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CITY OF SOMERVILLE

MASSACHUSETTS

ANNUAL REPORTS

1912

With Mayor's Inaugural Address

Delivered Jan. 6, 1913



SOMERVILLE JOURNAL PRINT

1913

INAUGURAL ADDRESS

DELIVERED BY

Mayor Charles A. Burns

MONDAY, JANUARY 6, 1913

Gentlemen of the Board of Aldermen:—

I desire to express to the people my deep appreciation of the honor which they have conferred upon me in electing me for the third time to the highest office within their gift. Having served the city two years as mayor, I fully realize the responsibilities of the office. You, gentlemen, have been elected to serve the city as aldermen for the present year. Very important questions will come before us, and it is extremely necessary that we give all matters careful and serious consideration before taking final action. I shall continue to co-operate with your honorable board to the end that business may be transacted harmoniously and expeditiously, and for the best interests of all the people.

We miss this morning the familiar face of the venerable Jairus Mann, who, ever since the incorporation of the city, year after year, so ably looked after the details of the inauguration of our city governments. Faithful in the performance of his duties, courteous and lovable, he set an example worthy to be emulated not only by city officials, but by all of us in our respective duties.

We have already passed the fortieth anniversary of our incorporation as a city. Our growth has been remarkable in these four decades. The population has increased from 16,000 to substantially 80,000, and our valuation from \$22,000,000 to \$69,000,000. The number of school children in 1872 was 3,128; in 1912, 13,987. In 1872 the public library was yet to be founded; last year its circulation was almost 600,000 volumes.

This progress would not have been possible unless the mayors who have preceded me had been men of sterling

character, and conducted the affairs of the city intelligently, always looking into the future, and unless their efforts had been ably assisted by the men who have been associated with them in the various city governments, and by those citizens who, with their money, brains, and influence, have done so much toward the development and upbuilding of our municipality.

At this time I desire to congratulate the Somerville Journal for its very valuable and interesting anniversary number, which contained an admirable exposition of the city's progress.

I am very much pleased to be informed that a booklet is to be issued by one of our organizations, advertising our city as a desirable place in which to live, and also showing its commercial advantages. We have a great many excellent business enterprises, but we need more, and I hope that all of the organizations of the city will do all in their power to induce first-class industries to locate in our midst. Our freight terminal facilities should be increased, and I expect that during the present year something will be accomplished in this direction.

If the Mystic river could be properly developed and widened it would be of great advantage to our city, since we would not have to depend entirely upon the railroads for the transportation of our freight. A certain amount of work is to be done immediately by the United States Government, an appropriation having been secured, but in order to have the work on the river continued, it will require the co-operation of our organizations, and we should urge our representatives in Congress to secure the necessary appropriations. I am of the opinion that the land in the vicinity of the Mystic should largely be used for mercantile purposes. There is also land available on the lines of the railroads. I am willing to co-operate with the boards of trade, and, if necessary, will recommend an appropriation for the purpose of promoting industrial development.

General Government.

The total funded debt of the city January 1, 1912, was \$1,519,000. This debt was increased during the year \$332,000. It was decreased \$177,000, leaving the net funded debt January 1, 1913, \$1,674,000, an increase of \$155,000. This increase is

substantially accounted for by the appropriations for the high school addition and the new public library.

To meet increased maintenance expenses, it was necessary to issue a municipal loan of \$35,000, maturing October 1, 1913, on which it will be necessary to pay only one year's interest.

The exact figures have not been ascertained, but there will be a substantial credit balance carried forward to 1913.

The city treasurer has placed in my hands a statement showing the financial condition of the city January 1, 1913. This statement is incorporated in this address, and should be read by every citizen.

From the best forecast I could make one year ago it appeared to me that the departments could be maintained within the limit prescribed by law, namely, twelve dollars on each \$1,000 of valuation. But, as the year progressed, there were extraordinary demands that had to be met. Wages are higher. The increased cost of supplies enters into the maintenance of a city the same as it does into that of a private business, and as wages are to be even higher this year than last, the maintenance account will necessarily be higher. It is expected that the present legislature will change the law in reference to the limit. I am somewhat skeptical about abolishing the limit, but the whole question revolves around the tax rate, and possibly the best solution of the problem is to put the whole matter squarely up to the governments of all the cities.

We are in good financial condition. Our credit is second to none. We meet our obligations promptly, and we are endeavoring to manage our affairs efficiently and economically.

We should make a special effort to increase the appropriations for the maintenance of our public buildings this year. Steam heating and ventilating systems should be installed in the Morse and Cummings schoolhouses. The land in the rear of the new Cutler school should be graded. A general renovation of the police building and the installation of a modern cell system are required. I recommended this latter improvement last year, but we were not able to provide the funds. I earnestly hope that something can be done this year, as the interior of the building and the cells are in bad condition.

The feasibility of charging a nominal fee for the issuance of each building permit is suggested for consideration.

The progress made in the various departments the past year has been steady, and deserves more than a passing word. An immense amount of work was accomplished in the constructing of new streets and sidewalks, the extension of the water and sewer systems, the continuation of the abolition of grade crossings, the completion of the S. Newton Cutler school, the erection of the new public library building, and many other things that time will not permit me to mention.

I desire at this time to publicly express my thanks to all heads of departments for their co-operation and attention to their respective duties.

Protection of Life and Property.

I shall, at an early date, recommend to your honorable board the retirement of members of the police department who are not in such physical condition that they are able to perform all kinds of police duty. I shall also recommend an amendment to the ordinances to permit of the appointment of two or three sergeants in addition to those whom we now have. I feel that the proper supervision of patrolmen requires a larger number of sergeants for street duty. I urge early consideration of the matter, so that I may request the civil service commission to give an examination for such promotions. The general work of the department the past year has been satisfactory. We are now installing an up-to-date police signal system, covering the entire city.

The fire department has done commendable work. It seems to be the general opinion that motor-driven apparatus should be purchased whenever new equipment is needed. There is now being built for the department a motor-driven combination chemical and hose apparatus. This will be a distinct addition to the equipment, and it will be placed in the central fire station. The men of the department have shown exceptional ability in constructing a piece of motor apparatus, and deserve a great deal of credit for this work. I hope that something further in this line may be accomplished this year. If, after investigation, I find that our finances will permit, I may early in the year recommend to your honorable board the purchase of another piece of apparatus to further equip the department.

The one day off in five granted the firemen by a

referendum vote at the city election has made it necessary to add to the permanent force. This, with the increase of pay granted the firemen, will increase the expense of the department this year about \$13,000. On general principles, I am opposed to the referendum, unless the matter to be voted upon can be placed before the voters intelligently. Probably very few voters realized how important this referendum was, and the expense it would involve upon the city. Laying aside the justice the firemen may have in this matter, I hope the legislature in the future will place all the facts concerning referendum measures before every voter previous to the election, and I urge our representatives to see that this is done.

The commissioner of electric lines and lights calls my attention to the need, from a fire standpoint, of having all electric wiring inspected. This should apply to all wires for light and power. No work should be allowed by any owner to be done without the inspection and approval of the electrical department.

Health and Sanitation.

There was added to the equipment of the highway department last year, for the refuse disposal work, an automobile truck. I believe it to be a good business proposition, although I feel that we should give it a trial of six months before making any further purchase of this kind. While the collection work increased materially last year, there was practically no increase in the cost of the work.

The contagious and tuberculosis hospitals have been doing excellent work the past year. Already the latter has reached the limit of its capacity, and the board of health has requested that an addition be provided. Since early last year there has been a waiting list of men applicants for admission who could not be accommodated. If this state of affairs continues, an addition will have to be erected.

I trust that the board of health will supplement in some way the admirable work begun three years ago in the extermination of disease-carrying insects. The fly is a menace to humanity, and is a carrier of disease, as well as the mosquito. Everyone should co-operate in exterminating these pests, and

should see to it that conditions about their premises that breed or attract these insects are removed.

Highways.

A large amount of street construction work and an unusually large amount of sidewalks construction was accomplished the past year. Not as much permanent construction on our main thoroughfares was done as I had hoped for, and I recommend that the remainder of Beacon street, the entire length of Elm street, a liberal portion of Summer street, and Broadway, from Dartmouth street to Teele square, where not already built, be constructed permanently. Water street has an immense amount of traffic, and while it has only just been accepted, I recommend that it be constructed this year with granite block paving.

A new plan for keeping the streets clean was adopted last year, which has met with considerable success, namely, the following of the refuse collection teams by other teams to pick up litter. We expect to increase the number of such teams this year. Keeping the streets clean is one of the greatest problems, and, as I stated in my inaugural address last year, in order to do it successfully, the city needs the co-operation of all the people. A person who throws litter upon the public highway is a lawbreaker and a hindrance to good government.

The sprinkling of the streets with oil is, I believe, a good sanitary measure. While somewhat objectionable when first applied, the results are much more permanent and satisfactory than by watering. Except on the paved squares, watering has been discontinued.

The lighting of Broadway by magnetite lamps has proved to be such a decided improvement that they are to be installed from Teele square, through Holland street, Highland avenue, Walnut street, Union square, Webster avenue, and Prospect street, to the Cambridge line, and in Walnut street, from Highland avenue to Broadway. The good lighting of a city is one of its best assets, and I hope that these lights can be still further installed, especially as there is no material increase in the total cost.

It is expected that during the present year the new bridge

which will span Alewife brook, including a roadway across the Metropolitan park reservation connecting Woodstock street in Somerville and Henderson street in Arlington, will be completed. The expense to our city for this work will be approximately \$3,500. I feel that this improvement will enhance the value of property in this district to at least the amount of the cost of construction, and be, as well, a great convenience for people and traffic in this locality.

I recommend an appropriation for the purchase of shade trees, so that they can be set out at the proper time this spring. A great many of our old trees are dying, and it is important that new ones replace them. I desire to consider with you in the near future the whole matter of the scientific treatment of our trees, their preservation and beautifying.

Charities.

Our city keeps abreast of the times in its varied work for the support of the needy. I commend to the citizens, for their hearty support, our various charitable organizations, and I recommend that the usual sum of \$5,000 be appropriated for the Somerville hospital.

Education.

Every pupil who goes through the high school should, when he finishes his course, know at least one thing well, and be in good physical condition. A recent writer, in an article on "The Twentieth Century School," well says that "the worst possible form of an educational plant is a massive brick and stone building with every device perfected for keeping children quiet in a strait-jacket school seat all day long." Education, he asserts, is not a mere mechanical study of books, nor the child a mere machine. So, in making additions to the high school buildings, we are trying to bring the school up to a higher standard, make it more efficient and modern in which to teach the practical subjects more intelligently, to have each pupil take physical exercise—in fact, to give the best we can to all the pupils of the city. The plans are being prepared, and work will commence as early in the spring as the condition of the ground will permit.

The S. Newton Cutler school, a commodious twelve-room building on Powder House boulevard, was completed and

occupied last fall, and it is a creditable addition to our school property.

The two industrial schools, one for boys and one for girls, are meeting with great success along lines of education which, I fear, the people generally do not fully appreciate. I commend both schools for the splendid work which they are accomplishing.

I recommend an appropriation for the establishing of cooking centres in such schools as the school committee may suggest, and as many as our finances will permit.

The report of the superintendent of schools, Charles S. Clark, has just been made, and I commend its careful perusal to all of the citizens.

Libraries.

The past year has been marked by great activity and the attainment of excellent results for our entire library system. The great need of a new and modern central plant for the successful operation of this large and ever-increasing business is being met by the erection of the new central library building. This building was made possible by the generous gift of Mr. Andrew Carnegie—\$80,000—together with \$45,000, the allowance made by the city as the cost of the old building. The new building will be ready for occupancy in the fall.

The criticism is sometimes made that a large percentage of books taken from a public library are works of fiction. This is true, but certainly the reading of good fiction is at least a harmless amusement. Now, if this is all the reading of fiction does, the library system has furnished over \$400,000 worth of amusement to the people of Somerville during the past year, or ten times the amount of money spent on the whole library system. Further than all this, the reading of good fiction does much more than amuse, and it is a constant source of anxiety to see that nothing but good fiction reaches the public through the libraries.

It is planned, after the new library building is completed and occupied, to remove the city hall annex, the city departments now there to be transferred to the present library building. I am absolutely in favor of preserving the annex building. I hope it can be moved to some convenient place near its present location, and I recommend that it be set apart for the use of

the Grand Army of the Republic and other patriotic organizations that meet there. After this building is removed, and the ground put in proper condition, this corner will be one of the beauty spots of the city.

Recreation.

The summer playgrounds seemed to be more popular the past year than ever before, and the association is to be complimented for its splendid system. Two playgrounds were surrounded with substantial iron fences, which made a great improvement, and this work will be continued. Our parks are so popular and so important to health and for recreation that I recommend that more land be purchased for park purposes where possible, when our finances will permit. I should like to see the park area at the junction of Main street and Broadway increased, as there is no more beautiful spot in our city than this.

Grade Crossings

The largest and most important work being carried on to-day in the city is the abolition of grade crossings. It is important not only on account of preventing loss of human life, but of improving traffic, and is of immense value to the commercial development of important business sections. The Medford and Dane-street crossings will be completed this year, and, it is expected, work on Park street commenced. We are to be congratulated that this work is being carried on so rapidly.

Metropolitan Boston.

The bill prepared by the Massachusetts Real Estate Exchange and presented by the governor of the commonwealth, with a special message, to the legislature last year, to incorporate into a real metropolitan Boston the forty-one cities and towns in the vicinity of Boston, will probably form the basis of any projected scheme that may be introduced in the present legislature. This question is of such vital importance that I wish to bring it to the attention of the people. I think that our citizens are practically unanimous against any such bill.

When riding through a neighboring city recently I noticed this immense electric sign: "Locate Here and Grow with Us."

This shows commendable public spirit, and is worthy of imitation. But let us not only advertise our city as a good place in which to live,—let us so govern it and lend our best efforts to its highest development, that it may be known far and wide as the best city in this commonwealth.

In opening I called attention to our remarkable growth, and to the ability and intelligence of preceding city governments, all of whom have made this growth possible. And again I wish to express my confidence in and respect for the governments that have preceded us. But we cannot rest on our past, no matter how honorable. This spirit of progress cannot be allowed to abate. Let us have a get-together spirit in our city. Let us work for the common good of all. We are one city, and there should be no sectional differences. Somerville is your home and my home. Induce the stranger within our gates to make it his home. Above all, keep her government, her schools, and all her institutions on the highest plane, so that we will continue in our pride of Somerville.

Financial Statement.

Funded Debt.—The funded debt of the city January 1, 1912, was as follows:—

City Loan	\$1,080,000 00
Sewer Loan	334,000 00
Paving Loan	5,000 00
Water Loan	44,000 00
Metropolitan Park Assessment Loan	18,000 00
Lowell Street Bridge Loan	33,000 00
	<hr/>
	\$1,519,000 00

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

High School Addition	\$125,000 00
S. Newton Cutler School	10,000 00
School Buildings, Fire Exits	5,000 00
Public Library Construction	45,000 00
Highway Construction	50,000 00
Highways, Paved Gutters and Crossings,	8,000 00
Sidewalks Construction	15,000 00
Sewers Construction	15,000 00
Police Signal System	8,000 00
	<hr/>
Amount carried forward	\$281,000 00

Amount brought forward	\$281,000 00
Fire Department, Additional Equipment,	6,000 00
Refuse Disposal, New Equipment	5,000 00
Electrical Department, Underground	
Construction	3,000 00
Playgrounds Extension	2,000 00
Municipal Loan	35,000 00
	<hr/>
	\$332,000 00

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

City Loan	\$146,000 00
Sewer Loan	18,000 00
Paving Loan	5,000 00
Water Loan	6,000 00
Metropolitan Park Assessment Loan	1,000 00
Lowell Street Bridge Loan	1,000 00
	<hr/>
	\$177,000 00

Leaving the funded debt of the city January 1, 1913, \$1,674,000 (an increase of \$155,000 over the previous year), in bonds classified as follows:—

City Loan, at 3½ per cent.	\$239,000 00
City Loan, at 4 per cent.	977,000 00
Sewer Loan, at 3½ per cent.	84,000 00
Sewer Loan, at 4 per cent.	247,000 00
Water Loan, at 4 per cent.	38,000 00
Metropolitan Park Assessment Loan, at	
3½ per cent.	17,000 00
Lowell Street Bridge Loan, at 3½ per	
cent.	37,000 00
Municipal Loan, at 4 per cent.	35,000 00
	<hr/>
	\$1,674,000 00

Taxes.—The assessors' warrant for the tax levy assessed upon the polls and estates of the inhabitants, as of April 1, 1912, was duly submitted to the collector.

The total amount of taxable property, not including non-resident bank shares, was \$69,632,540.00, and the rate established was \$18.80 on each \$1,000 valuation, as follows:—

Real estate, valuation	\$62,661,600 00
Personal estate, valuation	6,911,300 00
Resident bank shares	59,640 00
<hr/>	
Total valuation	\$69,632,540 00
At a rate of \$18.80 on each \$1,000 valuation	\$1,309,091 75
Polls, 22,821 at \$2	45,642 00
Street sprinkling	34,143 95
Extermination gypsy and brown-tail moths	398 86
<hr/>	
	\$1,389,276 56
Non-resident bank shares, \$82,360 at \$18.80	1,548 37
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Total amount of tax levy	\$1,390,824 93
Total number of persons assessed, resident and non-resident, 31,065.	

Appropriations were made as follows:—

General Government	\$73,712 00
Protection of Life and Property	215,400 00
Health and Sanitation	142,050 00
Highways	122,700 00
Charities	31,300 00
Soldiers' Benefits	40,650 00
Education	399,500 00
Libraries	38,050 00
Recreation	16,525 00
Unclassified	1,400 00
Municipal Indebtedness	246,000 00
Water Works	166,640 00
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Amounting in the aggregate to	\$1,493,927 00
Less estimated revenue	439,412 05
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Amount to be raised by taxation	\$1,054,514 95

STATE AND COUNTY TAXES, ETC.:—

State Tax	\$106,062 50
County Tax	58,374 94
Grade Crossing Tax	11,062 40
State Highway Tax	58 00
Abatement of Smoke, Boston and vicinity	158 32
Metropolitan Sewer Assessment	65,629 12
Metropolitan Park Assessment	33,049 42
<hr/>	
Amount carried forward	\$1,328,909 65

Amount brought forward	\$1,328,909 65
Charles River Basin Assessment	5,074 86
Alewife Brook Assessment	1,248 75
Wellington Bridge Assessment	527 47
Overlay and Abatement	18,973 02
Street Sprinkling	34,143 95
Extermination of Gypsy and Brown-tail Moths	398 86
	<hr/>
	\$1,389,276 56
Collected for state on non-resident bank shares	1,548 37
	<hr/>
	\$1,390,824 93

The tax rate of \$18.80 on \$1,000 of valuation may be divided as follows:—

State Tax	\$1.195
Metropolitan Assessments	1.490
Other State Assessments . . . . .	.188
County Tax . . . . .	.510
City Tax, Maintenance	11.611
City Tax, Debt Requirements	3.533
City Tax, Overlay . . . . .	.273
	<hr/>
	\$18.80

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

YEAR.	Amount of Funded Debt.	Increase of Funded Debt.	Reduction of Funded Debt.	Tax Rate per \$1,000 Valuation on Account of Reduc- tion of Funded Debt.
Town	\$593,349	. . .	. . .	. . .
Dec. 31, 1872	643,354	\$50,005	. . .	. . .
" 1873	809,354	166,000	. . .	. . .
" 1874	1,419,854	610,500	. . .	. . .
" 1875	1,571,854	152,000	. . .	. . .
" 1876	1,606,854	45,000	*\$55,130 62	\$2 07
" 1877	1,606,854	10,000	*58,828 58	2 30
" 1878	1,596,854	. . .	61,004 64	2 91
" 1879	1,585,000	. . .	64,915 76	3 42
" 1880	1,585,000	. . .	55,739 35	2 72
" 1881	1,585,000	. . .	58,498 64	2 59
" 1882	1,585,000	. . .	61,390 59	2 65
" 1883	1,585,000	. . .	64,479 01	2 70
" 1884	1,585,000	. . .	67,719 33	2 78
" 1885	†1,525,000	. . .	71,305 66	2 87
" 1886	1,525,000	. . .	66,894 23	2 57
" 1887	1,525,000	. . .	70,252 88	2 56
" 1888	†860,500	25,000	37,000 00	1 23
" 1889	952,500	130,000	38,000 00	1 27
" 1890	1,057,500	150,000	45,000 00	1 38
" 1891	1,045,500	45,000	57,000 00	1 55
" 1892	1,194,500	253,000	104,000 00	2 73
" 1893	1,279,500	222,000	137,000 00	3 27
" 1894	1,344,500	172,000	107,000 00	2 42
" 1895	1,506,500	247,000	85,000 00	1 83
" 1896	1,531,000	177,000	152,500 00	3 11
" 1897	1,548,000	167,000	150,000 00	2 39
" 1898	1,552,000	176,000	172,000 00	3 99
" 1899	1,492,500	110,000	169,500 00	3 30
" 1900	1,478,000	152,000	166,500 00	3 17
" 1901	1,461,000	146,000	163,000 00	3 02
" 1902	1,447,000	175,000	159,000 00	2 86
" 1903	1,505,500	197,500	169,000 00	2 96
" 1904	1,493,500	132,500	139,500 00	2 40
" 1905	1,510,000	148,000	136,500 00	2 30
" 1906	1,464,500	100,000	145,500 00	2 41
" 1907	1,508,000	198,000	154,500 00	2 51
" 1908	1,466,500	110,000	151,500 00	2 06
" 1909	1,503,000	190,000	153,500 00	2 42
" 1910	1,500,000	160,000	163,000 00	2 26
" 1911	1,519,000	188,000	169,000 00	2 41
" 1912	1,674,000	332,000	177,000 00	2 54

*\$10,000 applied to payment of bonds; balance to sinking funds.

†Sinking fund applied.

YEAR.	VALUATION.	TAX LEVY.	RATE.
1872 . . .	\$22,755,325 . . .	\$274,374 45 . . .	\$13 00
1873 . . .	29,643,100 . . .	389,214 48 . . .	12 80
1874 . . .	30,837,700 . . .	473,235 50 . . .	15 00
1875 . . .	31,317,000 . . .	518,161 40 . . .	16 20
1876 . . .	26,573,400 . . .	504,475 24 . . .	18 60
1877 . . .	25,479,400 . . .	471,789 14 . . .	18 10
1878 . . .	20,976,900 . . .	409,497 10 . . .	19 00
1879 . . .	18,950,100 . . .	352,553 80 . . .	18 00
1880 . . .	20,458,100 . . .	402,927 71 . . .	19 10
1881 . . .	22,569,100 . . .	452,945 45 . . .	19 50
1882 . . .	23,162,200 . . .	425,721 16 . . .	17 80
1883 . . .	23,812,900 . . .	411,645 43 . . .	16 70
1884 . . .	24,331,100 . . .	418,750 26 . . .	16 60
1885 . . .	24,878,400 . . .	428,605 44 . . .	16 60
1886 . . .	26,003,200 . . .	416,987 28 . . .	15 40
1887 . . .	27,471,800 . . .	424,309 14 . . .	14 80
1888 . . .	28,765,400 . . .	421,458 60 . . .	14 00
1889 . . .	30,004,600 . . .	440,324 40 . . .	14 00
1890 . . .	32,557,500 . . .	447,704 00 . . .	14 00
1891 . . .	36,843,400 . . .	539,137 10 . . .	14 00
1892 . . .	38,093,100 . . .	596,357 50 . . .	15 00
1893 . . .	41,873,600 . . .	675,886 80 . . .	15 50
1894 . . .	44,142,900 . . .	721,165 54 . . .	15 70
1895 . . .	46,506,300 . . .	745,609 02 . . .	15 40
1896 . . .	49,070,800 . . .	786,412 32 . . .	15 40
1897 . . .	50,231,000 . . .	913,574 42 . . .	17 30
1898 . . .	50,739,700 . . .	954,187 11 . . .	17 90
1899 . . .	51,262,400 . . .	882,580 96 . . .	16 30
1900 . . .	52,578,200 . . .	889,916 08 . . .	16 00
1901 . . .	53,924,200 . . .	907,439 82 . . .	15 90
1902 . . .	55,558,300 . . .	964,535 80 . . .	16 40
1903 . . .	57,062,000 . . .	1,038,849 84 . . .	17 20
1904 . . .	58,137,900 . . .	1,059,292 56 . . .	17 20
1905 . . .	59,233,000 . . .	1,144,000 14 . . .	18 30
1906 . . .	60,371,500 . . .	1,114,023 62 . . .	17 40
1907 . . .	61,627,200 . . .	1,144,434 92 . . .	17 40
1908 . . .	63,158,400 . . .	1,237,694 72 . . .	18 40
1909 . . .	63,658,953 20 . . .	1,260,144 32 . . .	18 60
1910 . . .	66,376,338 70 . . .	1,306,888 71 . . .	18 50
1911 . . .	67,284,066 00 . . .	1,366,240 92 . . .	19 10
1912 . . .	69,632,540 00 . . .	1,390,824 93 . . .	18 80

REPORT OF THE CITY TREASURER AND COLLECTOR OF TAXES.

Treasurer's Office, February 27, 1913.

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

Gentlemen: The undersigned presents herewith the forty-first annual report of the financial condition of the city, and a statement showing, in detail, the receipts and disbursements for the year ending December 31, 1912.

Public Property.

The property acquired during the year was as follows:—

City Hall, Additional Accommodations	\$150 00	
Police Department, Additional Equipment, balance paid on ambulance and patrol		1,715 00
Fire Station, Winter Hill, 7,829 feet of land		6,038 20
Sewers Construction, net payments	\$26,838 25	
Less catch basins and stock on hand	1,815 25	
	\$25,023 00	
Add to correct inaccuracies 1906-9	1,999 90	
		27,022 90
Refuse Disposal, New Equipment		4,950 00
City Home Addition		7,862 74
Bennett School Addition:—		
2,857 feet of land	\$150 00	
Grading and fencing	873 29	
		1,023 29
William H. Hodgkins School Addition:—		
15,067 feet of land	\$3,766 75	
Fence	342 43	
		4,109 18
Industrial School for Girls:—		
Building	\$948 88	
Equipment	197 40	
		1,146 28
S. Newton Cutler School:—		
Building	\$53,067 88	
Furniture	1,490 26	
		54,558 14
Books in School Contingent account		1,500 00
Prescott School, Fire Exit		2,677 66
Playgrounds Extension:—		
Kent street	\$500 00	
Joy street	400 00	
Somerville Field	600 00	
		1,500 00
Bennett School Shower Baths		497 42
Somerville Field		74 68
Water Works Extension	\$23,410 43	
Less amount Water Service Assess- ments	4,863 82	
		18,546 66
Amount carried forward		\$133,372 15

Amount brought forward	\$133,372 15
Police Building, Vault	143 10
Public Library Construction	25,021 71
	<hr/>
	\$158,536 96
Less books, Lincoln School, transferred to S. Newton Cutler School	500 00
	<hr/>
Property acquired in 1912	\$158,036 96
Value, December 31, 1911	5,519,001 67
	<hr/>
Making the total public property December 31, 1912	\$5,677,038 63

Funded Debt.

The funded debt December 31, 1911, as per Table B of the last annual report, was \$1,519,000.00.

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

High School Addition	\$125,000 00
S. Newton Cutler School	10,000 00
School Buildings, Fire Exits	5,000 00
Public Library Construction	45,000 00
Highways Construction	50,000 00
Highways, Paved Gutters and Crossings	8,000 00
Sidewalks Construction	15,000 00
Sewers Construction	15,000 00
Police Signal System	8,000 00
Fire Department, Additional Equipment	6,000 00
Refuse Disposal, New Equipment	5,000 00
Electrical Department, Underground Construction	3,000 00
Playgrounds Extension	2,000 00
Municipal Loan:—	
Grade Crossings Expenses	\$5,000 00
Police Department	6,000 00
Fire Department	5,000 00
Health Department	2,000 00
School Contingent	5,000 00
Maintenance School Buildings	5,000 00
Contingent Fund	7,000 00
	<hr/>
	35,000 00

Total amount of appropriations on Funded Debt account \$332,000 00

To provide for the above-mentioned appropriations, coupon bonds to the amount of \$332,000 at 4 per cent. were issued, viz.:—

City Loan Bonds, dated January 1, 1912:—

Nos. 4144 to 4154, payable 1913	\$11,000 00
Nos. 4155 to 4165, payable 1914	11,000 00
Nos. 4166 to 4176, payable 1915	11,000 00
Nos. 4177 to 4186, payable 1916	10,000 00
Nos. 4187 to 4196, payable 1917	10,000 00
Nos. 4197 to 4205, payable 1918	9,000 00
Nos. 4206 to 4214, payable 1919	9,000 00
Nos. 4215 to 4223, payable 1920	9,000 00
	<hr/>

Amount carried forward \$80,000 00

Amount brought forward	\$80,000 00	
Nos. 4224 to 4232, payable 1921	9,000 00	
Nos. 4233 to 4241, payable 1922	9,000 00	
Nos. 4242 to 4243, payable 1923	2,000 00	
Nos. 4244 to 4245, payable 1924	2,000 00	
Nos. 4246 to 4247, payable 1925	2,000 00	
Nos. 4248 to 4249, payable 1926	2,000 00	
Nos. 4250 to 4251, payable 1927	2,000 00	
Nos. 4252 to 4253, payable 1928	2,000 00	
Nos. 4254 to 4255, payable 1929	2,000 00	
Nos. 4256 to 4257, payable 1930	2,000 00	
Nos. 4258 to 4259, payable 1931	2,000 00	
Nos. 4260 to 4261, payable 1932	2,000 00	
Sewer Loan Bonds:—		
Nos. 549 to 563, payable 1913-1927	15,000 00	
		<u>\$133,000 00</u>

City Loan Bonds, dated July 1, 1912:—

Nos. 4262 to 4272, payable 1913	\$11,000 00	
Nos. 4273 to 4283, payable 1914	11,000 00	
Nos. 4284 to 4292, payable 1915	9,000 00	
Nos. 4293 to 4301, payable 1916	9,000 00	
Nos. 4302 to 4310, payable 1917	9,000 00	
Nos. 4311 to 4319, payable 1918	9,000 00	
Nos. 4320 to 4328, payable 1919	9,000 00	
Nos. 4329 to 4337, payable 1920	9,000 00	
Nos. 4338 to 4346, payable 1921	9,000 00	
Nos. 4347 to 4355, payable 1922	9,000 00	
Nos. 4356 to 4362, payable 1923	7,000 00	
Nos. 4363 to 4369, payable 1924	7,000 00	
Nos. 4370 to 4376, payable 1925	7,000 00	
Nos. 4377 to 4383, payable 1926	7,000 00	
Nos. 4384 to 4390, payable 1927	7,000 00	
Nos. 4391 to 4397, payable 1928	7,000 00	
Nos. 4398 to 4404, payable 1929	7,000 00	
Nos. 4405 to 4411, payable 1930	7,000 00	
Nos. 4412 to 4418, payable 1931	7,000 00	
Nos. 4419 to 4425, payable 1932	7,000 00	
		<u>164,000 00</u>

Municipal Loan Bonds, dated October 1, 1912:—

Nos. 4426 to 4460, payable 1913	35,000 00	
		<u>\$332,000 00</u>

The following bonds became due during the year:—

City Loan Bonds:—

Nos. 1716 to 1721, interest 4 per cent.	\$6,000 00
Nos. 2005 to 2018, interest 4 per cent.	14,000 00
Nos. 2188 to 2194, interest 4 per cent.	7,000 00
Nos. 2341 to 2344, interest 4 per cent.	4,000 00
Nos. 2481 to 2485, interest 4 per cent.	5,000 00
Nos. 2600 to 2603, interest 4 per cent.	4,000 00
Nos. 2741 to 2745, interest 3½ per cent.	5,000 00
Nos. 2854 to 2857, interest 3½ per cent.	4,000 00
Nos. Reg. 166, 2979 to 2980, 2983 to 2987, interest 3½ per cent.	9,000 00
Nos. 3092 to 3100, interest 4 per cent.	9,000 00

Amount carried forward \$67,000 00

Amount brought forward	\$67,000 00
Nos. 3166 to 3167, interest 4 per cent.	2,000 00
Nos. 3253 to 3261, interest 4 per cent.	8,000 00
No. Reg. 117, interest 3½ per cent.	9,000 00
No. Reg. 8, interest 4 per cent.	7,000 00
Nos. Reg. 15, 182, 3554 to 3555, 3558 to 3562, interest 4 per cent.	11,000 00
Nos. 3667 to 3673, interest 4 per cent.	7,000 00
Nos. 3748 to 3758, interest 3½ per cent.	11,000 00
No. Reg. 72, interest 4 per cent.	10,000 00
Nos. 3976 to 3989, interest 4 per cent.	14,000 00
Sewer Loan Bonds:—	
No. 72, interest 4 per cent.	1,000 00
Nos. 132 to 134, interest 4 per cent.	3,000 00
No. 188, interest 4 per cent.	1,000 00
No. 212, interest 4 per cent.	1,000 00
No. 234, interest 3½ per cent.	1,000 00
No. Reg. 170, interest 3½ per cent.	1,000 00
No. 287, interest 4 per cent.	1,000 00
No. 311, interest 4 per cent.	1,000 00
No. Reg. 135, interest 3½ per cent.	1,000 00
No. Reg. 2, interest 4 per cent.	1,000 00
No. Reg. 22, interest 4 per cent.	2,000 00
No. 442, interest 4 per cent.	1,000 00
No. 471, interest 3½ per cent.	1,000 00
No. Reg. 71, interest 4 per cent.	1,000 00
No. Reg. 529, interest 4 per cent.	1,000 00
Water Loan Bonds:—	
No. 296, interest 4 per cent.	1,000 00
No. Reg. 105, interest 4 per cent.	3,000 00
Nos. 430 to 431, interest 4 per cent.	2,000 00
Paving Loan Bonds:—	
Nos. 96 to 100, interest 4 per cent.	5,000 00
Metropolitan Park Assessment Loan Bonds:—	
No. Reg. 162, interest 3½ per cent.	1,000 00
Lowell Street Bridge Loan Bond:—	
No. 3, interest 3½ per cent.	1,000 00

Total amount of bonds maturing in 1912 \$177,000 00

Leaving the net funded debt December 31, 1912, \$1,674,000, classified as follows:—

City Loan Bonds at 3½ per cent.	\$239,000 00
City Loan Bonds at 4 per cent.	977,000 00
Municipal Loan Bonds at 4 per cent.	35,000 00
Sewer Loan Bonds at 3½ per cent.	84,000 00
Sewer Loan Bonds at 4 per cent.	247,000 00
Water Loan Bonds at 4 per cent.	38,000 00
Metropolitan Park Assessment Loan Bonds at 3½ per cent.	17,000 00
Lowell Street Bridge Loan Bonds at 3½ per cent.	37,000 00
	<hr/>
	\$1,674,000 00

Funded debt within the limit fixed by law:—

City Loan	\$1,216,000 00
Municipal Loan	35,000 00
	<hr/>
Amount carried forward	\$1,251,000 00

Amount brought forward	\$1,251,000 00	
Sewer Loan	292,000 00	
Lowell Street Bridge Loan	37,000 00	
	<hr/>	\$1,580,000 00

Funded debt beyond the limit fixed by law:—

Sewer Loan (Chapter 357, Acts 1895)	\$39,000 00	
Metropolitan Park Assessment Loan (Chapter 325, Acts 1902)	17,000 00	
	<hr/>	\$56,000 00
Water Loan	38,000 00	
	<hr/>	94,000 00
		<hr/> <hr/>
		\$1,674,000 00

Borrowing Capacity.

Valuation, 1910	\$66,376,338 70	
Supplementary	623,200 00	
	<hr/>	\$66,999,538 70
Valuation, 1911	\$67,284,066 00	
Supplementary	483,000 00	
	<hr/>	67,767,066 00
Valuation, 1912	\$69,632,540 00	
Supplementary	284,000 00	
	<hr/>	69,916,540 00
		<hr/>
		\$204,683,144 70
Abatements, 1910	\$769,500 00	
1911	627,400 00	
1912	345,900 00	
	<hr/>	1,742,800 00
		<hr/>
		\$202,940,344 70
Average, three years	1-3	67,646,781 57
	2½ per cent.	1,691,169 53
Amount within the limit		1,580,000 00
		<hr/>
Borrowing capacity, January 1, 1913		\$111,169 53
Maturities, January 1, 1913	\$12,000 00	
April 1, 1913	70,000 00	
July 1, 1913	\$98,000 00	
Less outside limit	5,000 00	
	<hr/>	93,000 00
October 1, 1913	\$42,000 00	
Less outside limit	5,000 00	
	<hr/>	37,000 00
		<hr/>
Maturities during the year within the limit		212,000 00
		<hr/> <hr/>
		\$323,169 53

Resources.

Taxes, Loans, and Revenue.

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 April 1, 1912, was

\$69,632,540, and the rate of taxation was \$18.80 on each \$1,000 of valuation, as follows:—

Real estate, valuation	\$62,661,600 00
Personal estate, valuation	6,970,940 00
	<hr/>
	\$69,632,540 00
At a rate of \$18.80 on \$1,000 valuation	\$1,309,091 75
Polls, 22,821 at \$2	45,642 00
Street sprinkling	34,143 95
Gypsy and brown-tail moth extermination	398 86
Non-resident bank shares to be paid to state	1,548 37
	<hr/>
Total amount of tax levy	\$1,390,824 93
Borrowed on Funded Debt account, to provide for the cost of public improvements	297,000 00
Municipal loan	35,000 00
Revenue, from Corporation Taxes, City Departments, etc.	461,691 61
	<hr/>
	\$2,184,516 54

Credit Balances.

Funded Debt Appropriations:—

Municipal Buildings, Vaults	\$21 93
Police Department, Additional Equipment	285 00
Police Signal System	7,842 26
Fire Department, Additional Apparatus	6,000 00
Electrical Department, Underground Construction	1,341 35
Sewers Construction	12 23
Refuse Disposal, New Equipment	50 00
Highways Construction	2,857 84
Sidewalks Construction	382 37
Alewife Brook Bridge	3,500 00
Grade Crossings Expenses	5,818 09
City Home Addition	120 69
Bennett School Addition	166 71
S. Newton Cutler School	5,744 38
Schoolhouses, Additional Window Space	30 34
High School Addition	124,248 33
School Buildings, Fire Exits	2,322 34
Public Library Construction	19,978 29
Playgrounds Extension	2 58
Building Public Buildings	450 73
	<hr/>
	\$181,175 46

Public Trust Funds, Income:—

Public Library:—	
Isaac Pitman Fund, Art	\$176 41
Isaac Pitman Fund, Poetry	46 28
Frances A. Wilder Children's Department Fund	13 31
Martha R. Hunt Fund, Books	70 79
Martha R. Hunt Fund, Art	52 50
S. Newton Cutler Library Fund	25 00
Public School:—	
S. Newton Cutler Fund	125 00
	<hr/>
	509 29
Amount carried forward	<hr/>
	\$181,684 75

Amount brought forward		\$181,684 75
Private Trust Funds:—		
Overplus on Tax Sales	\$118 13	
Sundry persons	719 56	
		837 69
Coupons unpaid		14,765 00
Reduction of Funded Debt (Balance premium on bonds) .		5,848 20
		<u>\$203,135 64</u>

Cash.

Balance on hand January 1, 1912		\$110,329 09
Total receipts for the year 1912		3,035,994 38
Service transfers		52,460 93
		<u>\$3,198,784 40</u>
Total cash disbursements for the year 1912		2,974,992 37
		<u>\$223,792 03</u>
Balance in the treasury December 31, 1912		\$223,792 03
Deposits in banks	\$222,022 75	
Cash on hand	1,769 28	
		<u>\$223,792 03</u>

Available Assets.

Cash in treasury		\$223,792 03
Funded Debt Balances	\$181,175 46	
Public Trust Funds	509 29	
Private Trust Funds	837 69	
Coupons unpaid	14,765 00	
Reduction of Funded Debt (balance of premiums)	5,848 20	
		<u>203,135 64</u>
		<u>\$20,656 39</u>
Taxes uncollected	\$278,330 07	
Overlay and Abatement	13,608 55	
		<u>264,721 52</u>
Highway Betterment Assessments, uncollected		2,589 69
Sidewalk Assessments, uncollected		12,865 21
Sewer Assessments, uncollected		8,242 54
Metered Water Charges, uncollected		19,145 90
Commonwealth of Massachusetts, cash advances:—		
State Aid	\$15,563 00	
Military Aid	342 00	
Soldiers' Burials	370 00	
		<u>16,275 00</u>
Grade Crossings (cash advances for land damages)		18,232 02
Real Estate Liens		691 43
		<u>\$363,419 70</u>

Liabilities.

Temporary Loans		\$350,000 00
		<u>\$13,419 70</u>
Balance (available for 1913)		\$13,419 70

Balance Sheet.

DEBIT.		
Public Property	\$5,677,038 63	
Excess of available assets for expenses	13,419 70	
	_____	\$5,690,458 33
CREDIT.		
Funded Debt	\$1,674,000 00	
Property and Debt Balance	\$4,003,038 63	
Excess and Deficiency	13,419 70	
	_____	\$5,690,458 33

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

Respectfully submitted,
 JOSEPH S. PIKE,
 Treasurer and Collector of Taxes.

APPENDIX TO TREASURER AND COLLECTOR'S REPORT.

TABLE A.—PUBLIC PROPERTY DECEMBER 31, 1912.

Central Hill land (389,920 feet)		\$270 000 00
City Hall	\$37,795 74	
Furniture and fixtures	10,000 00	
Storage vault	2,342 91	
	<hr/>	50,138 65
Public Library building	42,000 00	
Public Library land and building, West Somerville	31,449 52	
Public Library	25,000 00	
New Building, partially completed	25,021 71	
	<hr/>	123,471 23
City Hall Annex		20,655 02
Albion A. Perry Schoolhouse, Washington street, land (46,080 feet) and building	36,000 00	
Furniture	1,080 00	
Books	530 00	
	<hr/>	37,610 00
Bingham Schoolhouse, land (35,586 feet) and building	67,405 04	
Furniture	2,600 00	
Books	2,300 00	
	<hr/>	72,305 04
Burns Schoolhouse, land (16,080 feet) and building	33,300 00	
Furniture	1,460 00	
Books	1,000 00	
	<hr/>	35,760 00
Charles G. Pope Schoolhouse, land (27,236 feet) and building	83,600 00	
Furniture	2,160 00	
Books	2,600 00	
	<hr/>	88,360 00
Cummings Schoolhouse, land (11,300 feet) and building	11,200 00	
Furniture	720 00	
Books	500 00	
	<hr/>	12,420 00
Davis Schoolhouse, land (30,155 feet) and building	22,000 00	
Furniture	720 00	
Books	400 00	
Vocational equipment	5,183 50	
	<hr/>	28,303 50
Ederly Schoolhouse, land (24,000 feet) and building	43,800 00	
Furniture	2,230 00	
Books	2,800 00	
	<hr/>	48,830 00
English High Schoolhouse	137,259 66	
Furniture	3,900 00	
Philosophical and manual training ap- paratus	10,760 13	
	<hr/>	
Amounts carried forward	\$151,919 79	\$787,853 44

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 27

Amounts brought forward	\$151,919 79	\$787,853 44
Books	12,000 00	
	<hr/>	163,919 79
Forster Schoolhouse and Annex, land (30,632 feet) and buildings	82,000 00	
Furniture	3,290 00	
Books	4,100 00	
	<hr/>	89,390 00
George L. Baxter Schoolhouse, land (11,000 feet) and building	31,800 00	
Furniture	1,155 64	
Books	450 00	
	<hr/>	33,405 64
George O. Proctor Schoolhouse, building (on Armory lot) (40,244 feet)	\$41,029 16	
Furniture	1,791 30	
Books	1,200 00	
	<hr/>	44,020 46
George W. Durell Schoolhouse, land (13,883 feet) and building	19,000 00	
Furniture	720 00	
Books	500 00	
	<hr/>	20,220 00
Highland Schoolhouse, land (23,260 feet) and building	58,000 00	
Furniture	2,560 00	
Books	2,800 00	
	<hr/>	63,360 00
Jacob T. Glines Schoolhouse, land (28,800 feet) and building	78,200 00	
Furniture	2,340 00	
Books	2,100 00	
	<hr/>	82,640 00
Latin High Schoolhouse	112,061 29	
Furniture	2,700 00	
Philosophical apparatus	500 00	
Books	3,300 00	
	<hr/>	118,561 29
Lincoln Schoolhouse, land (17,662 feet) and building	17,500 00	
Furniture	720 00	
	<hr/>	18,220 00
Luther V. Bell Schoolhouse, land (22,262 feet) and building	46,496 63	
Furniture	2,400 00	
Books	2,400 00	
	<hr/>	51,296 63
Martin W. Carr Schoolhouse, land (21,530 feet) and building	51,410 00	
Furniture	2,800 00	
Books	2,800 00	
	<hr/>	57,010 00
Morse Schoolhouse, land (29,000 feet) and building	45,859 00	
Furniture	2,340 00	
Books	2,800 00	
	<hr/>	50,999 00
Amount carried forward		\$1,580,896 25

Amount brought forward		\$1,580,896 25	
Martha Perry Lowe Schoolhouse, land (21,650 feet) and building	\$50,346 16		
Furniture	1,480 00		
Books	800 00		
			52,626 16
O. S. Knapp Schoolhouse, land (24,517 feet) and building	48,000 00		
Furniture	2,540 00		
Books	3,000 00		
			53,540 00
Prescott Schoolhouse, land (22,000 feet) and building	66,677 66		
Furniture	2,260 00		
Books	2,700 00		
			71,637 66
Prospect-hill Schoolhouse, land (23,733 feet) and building			15,000 00
Benjamin G. Brown Schoolhouse, land (26,733 feet) and building	62,861 17		
Furniture	1,290 16		
Books	700 00		
			64,851 33
Sanford Hanscom Schoolhouse, land (16,767 feet) and building	72,210 46		
Furniture	1,080 00		
Books	500 00		
			73,790 46
Clark W. Bennett Schoolhouse, land (21,964 feet) and building	59,589 03		
Furniture	2,180 00		
Books	1,000 00		
			62,769 03
William H. Hodgkins Schoolhouse, land (47,379 feet) and building	77,359 88		
Furniture	2,400 00		
Books	2,300 00		
			82,059 88
S. Newton Cutler Schoolhouse, land (53,729 feet) and building	80,757 91		
Furniture	1,490 26		
Books	1,500 00		
			83,748 17
Industrial School for Girls, land (8,850 feet), Building	4,300 00		
Equipment	5,986 60		
	408 42		
			10,695 02
City Stables, dwelling houses and 462,623 feet of land	95,350 12		
Health Department, shed	1,189 79		
Incinerator	2,704 01		
Equipments for highway repairs	21,690 00		
Watering carts and sheds	5,000 00		
Spraying machine	1,289 00		
Refuse disposal equipment	4,950 00		
			132,172 92
Water Works, land and buildings (93,500 feet)			32,000 00
Amount carried forward			\$2,315,786 88

Amount brought forward		\$2,315,786 88
No. 1 Fire Station, land (8,937 feet) and building	33,200 00	
Engine No. 2 and apparatus	4,000 00	
Hose wagon No. 1 and apparatus	1,500 00	
Furniture	400 00	
	<hr/>	39,100 00
No. 2 Fire Station, land (5,500 feet) and building	10,400 00	
Furniture	400 00	
Hose wagon No. 2 and apparatus	1,500 00	
	<hr/>	12,300 00
No. 3 Fire Station, land (13,700 feet) and building	55,743 18	
Furniture	400 00	
Hose wagon No. 3 and apparatus	1,500 00	
Hook and ladder truck and apparatus	3,400 00	
Engine No. 3	5,375 00	
Combination hose and chemical	2,250 00	
	<hr/>	68,668 18
No. 4 Fire Station, land (9,100 feet) and building	15,500 00	
Furniture	400 00	
Engine No. 4 and apparatus	4,000 00	
Combination wagon and apparatus	2,500 00	
	<hr/>	22,400 00
No. 5 Fire Station, land (39,000 feet) and building	16,500 00	
Furniture	400 00	
Hose wagon No. 5 and apparatus	1,500 00	
	<hr/>	18,400 00
No. 6 Fire Station, land (8,113 feet) and building	17,600 00	
Furniture	600 00	
Apparatus	10,265 45	
Combination hose and chemical	2,250 00	
	<hr/>	30,715 45
Hook and Ladder Station No. 2, land (9,903 feet) and building	14,100 00	
Furniture	1,200 00	
Apparatus	12,458 37	
	<hr/>	27,758 37
Central Fire Station, land (11,738 feet) and building	36,700 00	
Furniture	500 00	
Engine No. 1 and apparatus	4,000 00	
Hose wagon and apparatus	2,000 00	
Two relief hose carriages	1,000 00	
One relief hook and ladder	400 00	
Chemical Engine A and equipment	2,498 53	
	<hr/>	47,098 53
Land for Fire Station, Winter Hill (7,829 feet)		6,038 20
Fire Alarm and Police Signal apparatus		36,610 00
Police Station, land (15,225 feet) and building	54,000 00	
Furniture	3,000 00	
Vault	2,994 90	
Ambulance and patrol auto	3,715 00	
	<hr/>	63,709 90
Amount carried forward		<hr/> <hr/> \$2,688,585 51

Amount brought forward		\$2,688,585 51
City Home, Broadway, land (421,646 feet) and buildings	44,287 75	
Furniture	1,808 72	
	<hr/>	46,096 47
Contagious and Tuberculosis Hospital buildings	28,499 55	
Land (88,364 feet)	15,600 00	
	<hr/>	44,099 55
Bath House		3,730 24
Water Works		957,153 67
Sewers		1,282,889 00
Prospect street, land (7,918 feet) and building		6,800 00
Broadway Park (cost \$212,993.20) (700,000 square feet)	\$270,000 00	
Park Buildings	2,726 89	
	<hr/>	272,726 89
Nathan Tufts Park (about 4 54-100 acres, 217,572 feet)		68,000 00
Lincoln Park, Washington street (288,764 square feet)	\$63,200 00	
Out-door Gymnasium	800 00	
Park Building	2,758 69	
	<hr/>	66,758 69
Prospect-hill Park (94,503 feet)	\$67,511 75	
Historical Building and Observatory	9,119 55	
	<hr/>	76,631 30
Kent-street Playground (40,000 feet)		12,500 00
Powder-house Boulevard (200,618 square feet) and build- ing		22,500 00
Joy street, land (2,700 feet)		900 00
Broadway, land (10,890 feet)		2,300 00
Webster avenue, land (10,000 feet)		2,500 00
Holland street, land (217,800 feet)		35,500 00
Gravel land in Waltham (about 30 acres)		10,234 17
Somerville Field		27,300 00
Clarendon-hill ledge		8,500 00
Oliver street, land (40,500 feet)		18,000 00
Beacon street, land (10,000 feet)		2,800 00
Passageway on Putnam street (1,135 feet)		400 00
Stand Pipe lot (17,176 feet)		5,100 00
Glen street, land (6,370 feet)		2,300 00
Somerville avenue, land (305 feet)		300 00
Broadway, junction Main street, land (1,260 feet)		900 00
Joy-street playground (20,000 feet)		9,750 00
Polling Booths		1,783 14
	<hr/>	
Total amount of public property		\$5,677,038 63

OUTSTANDING BONDS, JANUARY 1, 1913.

ISSUE.	Rate per cent. of Interest.	Water.	Municipal Loan.	Met. Park Assessment (Outside), Chap. 325, Acts 1902.	Lowell Street Bridge.	Sewer.	Sewer (Outside of limit) Chap. 357, Acts 1897.	City.	Total.
July 1, 1888	4	\$6,000	.....	.....	.....	.....	.....	.....	\$6,000
Oct. 1, 1889	4	16,000	.....	.....	.....	.....	.....	.....	16,000
Oct. 1, 1890	4	16,000	.....	.....	.....	.....	.....	.....	16,000
July 1, 1894	4	.....	.....	.....	.....	\$2,000	.....	\$12,000	14,000
July 1, 1895	4	.....	.....	.....	.....	.....	\$39,000	39,000	78,000
July 1, 1896	4	.....	.....	.....	.....	.....	.....	28,000	28,000
July 1, 1897	4	.....	.....	.....	.....	.....	.....	20,000	30,000
July 1, 1898	4	.....	.....	.....	.....	10,000	.....	30,000	41,000
July 1, 1899	4	.....	.....	.....	.....	11,000	.....	22,000	22,000
July 2, 1900	3 1/2	.....	.....	.....	.....	.....	.....	32,000	32,000
July 1, 1901	3 1/2	.....	.....	.....	.....	.....	.....	36,000	55,000
July 1, 1902	3 1/2	.....	.....	\$17,000	.....	19,000	.....	29,000	61,000
July 1, 1903	4	.....	.....	.....	.....	15,000	.....	49,000	65,000
Oct. 1, 1903	4	.....	.....	.....	.....	16,000	.....	22,000	22,000
July 1, 1904	4	.....	.....	.....	.....	.....	.....	41,000	58,000
April 1, 1905	3 1/2	.....	.....	.....	.....	23,000	.....	55,000	78,000
July 1, 1906	4	.....	.....	.....	.....	14,000	.....	33,000	47,000
April 1, 1907	4	.....	.....	.....	.....	50,000	.....	83,000	133,000
April 1, 1908	4	.....	.....	.....	.....	26,000	.....	52,000	78,000
April 1, 1909	3 1/2	.....	.....	.....	\$37,000	27,000	.....	87,000	151,000
April 1, 1910	4	.....	.....	.....	.....	28,000	.....	110,000	138,000
April 1, 1911	4	.....	.....	.....	.....	19,000	.....	154,000	173,000
Jan. 1, 1912	4	.....	.....	.....	.....	15,000	.....	118,000	133,000
July 1, 1912	4	.....	.....	.....	.....	.....	.....	164,000	164,000
Oct. 1, 1912	4	.....	\$35,000	.....	.....	.....	.....	.....	35,000
		\$38,000	\$35,000	\$17,000	\$37,000	\$292,000	\$39,000	\$1,216,000	\$1,674,000

BONDS DUE IN 1913.

ISSUE.	Rate per cent. of Interest.	City.	Sewer.	Sewer (Outside of limit) Chap. 357, Acts 1895.	Water.	Municipal Loan.	Metropolitan Park Assessment (Outside) Chap. 325, Acts 1902.	Lowell Street Bridge.	Total.
July 1, 1888	4	.....	.....	.....	\$1,000	.....	.....	.....	\$1,000
Oct. 1, 1889	4	.....	.....	.....	3,000	.....	.....	.....	3,000
Oct. 1, 1890	4	.....	.....	.....	2,000	.....	.....	.....	2,000
July 1, 1894	4	\$6,000	\$1,000	.....	.....	.....	.....	.....	7,000
July 1, 1895	4	13,000	.....	\$3,000	.....	.....	.....	.....	16,000
July 1, 1896	4	7,000	.....	.....	.....	.....	.....	.....	7,000
July 1, 1897	4	4,000	1,000	.....	.....	.....	.....	.....	5,000
July 1, 1898	4	5,000	1,000	.....	.....	.....	.....	.....	6,000
July 1, 1899	4	4,000	.....	.....	.....	.....	.....	.....	4,000
July 2, 1900	3 1/2	4,000	.....	.....	.....	.....	.....	.....	4,000
July 1, 1901	3 1/2	4,000	1,000	.....	.....	.....	.....	.....	5,000
July 1, 1902	3 1/2	3,000	1,000	.....	.....	.....	\$1,000	.....	5,000
July 1, 1903	4	9,000	1,000	.....	.....	.....	.....	.....	10,000
Oct. 1, 1903	4	2,000	.....	.....	.....	.....	.....	.....	2,000
July 1, 1904	4	8,000	1,000	.....	.....	.....	.....	.....	9,000
April 1, 1905	3 1/2	9,000	1,000	.....	.....	.....	.....	.....	10,000
July 1, 1906	4	7,000	1,000	.....	.....	.....	.....	.....	8,000
April 1, 1907	4	11,000	2,000	.....	.....	.....	.....	.....	13,000
April 1, 1908	4	7,000	1,000	.....	.....	.....	.....	.....	8,000
April 1, 1909	3 1/2	11,000	1,000	.....	.....	.....	.....	.....	13,000
April 1, 1910	4	10,000	1,000	.....	.....	.....	.....	\$1,000	11,000
April 1, 1911	4	14,000	1,000	.....	.....	.....	.....	.....	15,000
Jan. 1, 1912	4	11,000	1,000	.....	.....	.....	.....	.....	12,000
July 1, 1912	4	11,000	.....	.....	.....	.....	.....	.....	11,000
Oct. 1, 1912	4	.....	.....	.....	.....	\$35,000	.....	.....	35,000
		\$160,000	\$16,000	\$3,000	\$6,000	\$35,000	\$1,000	\$1,000	\$222,000

TABLE C.—SERVICE TRANSFERS (Departmental Transactions).

City Clerk's Department:—		
Police Department	\$2 00	
Election Expenses, City Clerk	305 00	
Election Expenses, Registrars of Voters	562 67	
Health Department	3 01	
Vital Statistics	1,210 00	
	<hr/>	\$2,082 68
Engineering Department:—		
Sewers Construction		330 00
Police Department:—		
Playgrounds Maintenance		42 50
Fire Department:—		
Police Department	\$106 00	
Electrical Department	196 48	
Sewers Maintenance	39 11	
Highways Maintenance	175 00	
	<hr/>	516 59
Electrical Department:—		
Electrical Department, Underground Construction		97 63
Health Department:—		
Contagious Disease Hospital		14 40
Sewers Construction:—		
Sidewalks Construction		11 83
Sewers Maintenance:—		
Sewers Construction	\$810 00	
Maintenance Sewer Buildings	40 00	
Water Maintenance	14 40	
	<hr/>	864 40
Highways Construction:—		
Paved Gutters and Crossings	\$1,590 74	
Highways Maintenance	187 27	
Sidewalks Construction	11 63	
Sidewalks Maintenance	33 10	
	<hr/>	1,822 74
Highways Maintenance:—		
City Messenger's Department	\$241 60	
Police Department	271 34	
Care of Trees	628 88	
Gypsy and Brown-tail Moth Extermination	102 74	
Elm-leaf Beetle Extermination	61 60	
Sewers Construction	17 07	
Cleaning Streets	3,580 32	
Refuse Disposal	3,301 08	
Highways Construction	6,307 64	
Paved Gutters and Crossings	429 24	
Sidewalks Construction	5,285 36	
Sidewalks Maintenance	610 50	
Street Sprinkling	2,792 34	
Parks Maintenance	713 90	
Playgrounds Maintenance	52 61	
Maintenance School Buildings	113 06	
Water Maintenance	179 35	
	<hr/>	24,688 63
Amount carried forward		<hr/> \$30,471 40

Amount brought forward		\$30,471 40
Paved Gutters and Crossings:—		
Care of Trees	\$0 58	
Highways Construction	4,823 99	
Highways Maintenance	10 80	
Sidewalks Maintenance	1 20	
Water Maintenance	96	
	<hr/>	4,837 53
Sidewalks Construction:—		
Sewers Construction	\$4 20	
Highways Maintenance	299 81	
Paved Gutters and Crossings	5 70	
Sidewalks Maintenance	31 20	
Highways Construction	8 10	
	<hr/>	349 01
Sidewalks Maintenance:—		
Highways Maintenance		90
Street Sprinkling:—		
Playgrounds Maintenance		72 00
Support of Poor, Miscellaneous:—		
Health Department		6 10
School Contingent:—		
Maintenance School Buildings	\$56 82	
Summer Playgrounds	68 09	
	<hr/>	124 91
Central Library:—		
School Contingent		29 74
Parks Maintenance:—		
Sidewalks Construction	\$75 46	
Playgrounds Extension	295 16	
Somerville Field	74 68	
	<hr/>	445 30
Playgrounds Maintenance:—		
Playgrounds Extension	\$274 62	
Summer Playgrounds	73 39	
	<hr/>	348 01
Water Maintenance:—		
Engineering Department	\$147 07	
Police Department	84 86	
Inspection of Milk and Vinegar	50 59	
Elm-leaf Beetle Extermination	20 56	
Sewers Construction	12 52	
Sewers Maintenance	8 59	
Refuse Disposal	25 50	
Highways Maintenance	61 74	
Street Sprinkling	202 80	
Support of Poor, City Home	6 00	
Maintenance School Buildings	19 93	
Central Library	30 00	
Parks Maintenance	62 43	
Summer Playgrounds	7 35	
Water Works Extension	15,036 09	
	<hr/>	15,776 03
		<hr/>
		\$52,460 93
		<hr/>

TABLE D.—REFUNDS.

Law Department: Costs Paul N. Raymond suit	\$53 26
Health Department: Commonwealth of Massachusetts, bill paid twice	12 86
School Teachers' Salaries: Annie E. McCarthy overpaid	11 00
Soldiers' Relief: Sundry persons, money not called for	20 00
State Aid: Sundry persons, money not called for	18 00
Maintenance School Buildings: General Electric Company, credit on motors	1 02
Maintenance Bathhouse: Iver Johnson Sporting Goods Company, bill paid twice	4 00
Interest: Accrued on bond issues	1,751 89
Overlay and Abatement: Taxes refunded	6 00
	\$1,878 03

Offsets to Outlays.

Sewers Construction:—	
George C. Brayley, sewer entrance fee	\$130 74
Eastern Clay Goods Company, bags re- turned	93 51
	\$224 25
Sidewalks Construction:—	
Abutters on Powder-house boulevard	\$1,000 00
Sundry persons, constructing sidewalks	321 36
Eastern Clay Goods Company, bags re- turned	806 49
	2,127 85
Bennett School Addition: P. J. Sullivan, old building	75 00
	\$2,427 10

TABLE E.—REVENUE.

Corporation Taxes.

Business, 1911	\$150 19	
1912	16,464 18	
	16,614 37	
Public Service, 1911	\$64 16	
1912	10,410 80	
	10,474 96	
		\$27,089 33
National Bank Tax, 1911	\$14 28	
1912	3,440 61	
	3,454 89	
Street Railway Tax		3,454 89
Boston Elevated Railway Tax		47,313 98
		9,851 49

Court Fees and Fines.

Police Court		\$1,963 00
County Court	\$223 00	
Less refund (cash)	50 00	
	173 00	
		2,136 00
Dog Licenses, from County		3,872 05
Amount carried forward		\$93,717 74

Amount brought forward			\$93,717 74
Interest.			
Taxes (cash)	\$8,242 35		
Real Estate Liens (journal)	24 15		
			<hr/>
		\$8,266 50	
Assessments		318 56	
Bank Balances, Treasurer	\$3,183 45		
City Clerk	13 24		
			<hr/>
		3,196 69	
			<hr/>
			11,781 75.
Licenses.			
Liquor (Druggists')		\$28 50	
Business, City Clerk		2,126 00	
Fireworks		15 00	
Health Department		310 00	
Milk		274 00	
Pedlers (State)		50 00	
Permits, Marriage		913 00	
All other (from City Clerk)		200 00	
			<hr/>
			3,916 50
Departmental Accounts.			
Treasury Department:—			
Costs: Taxes (cash)	\$3,897 17		
Real Estate Liens (journal)	4 50		
			<hr/>
		\$3,901 67	
Assessments		62 70	
Tax Lien certificates		217 00	
Redemption certificates		14 00	
Collecting National Bank Tax		15 48	
			<hr/>
			4,210 85
City Clerk's Department: Receipts			1,054 38
Engineering Department: Plans for sundry streets			68 00
Maintenance Municipal Buildings: G. A. R., rent			1 00
Police Department:—			
Cloth and equipment		536 05	
Services of officers		396 20	
Sundries		1 30	
			<hr/>
			933 55
Maintenance Police Building: Rent, from County			750 00
Fire Department:—			
Fines, callmen		\$628 00	
Edison Electric Illuminating Company, horses		1,000 00	
Boston Elevated Railway Company, damages		53 00	
Sale of old material		129 25	
			<hr/>
			1,810 25
Weights and Measures Department: Fees			465 12
Electrical Department:—			
Edison Electric Illuminating Company, grounding wires		\$250 00	
Boston and Maine Railroad, fire alarm box		150 00	
			<hr/>
			400 00
Amount carried forward			<hr/>
			\$119,109 14

Amount brought forward		\$119,109 14	
Gypsy and Brown-tail Moth Extermination Assessments (in taxes)			398 86
Health Department:—			
Commonwealth of Massachusetts	\$11 00		
Cities and Towns	94 95		
Wesley A. Maynard	50		
			<hr/> 106 45
Inspection of Milk and Vinegar:—			
H. E. Bowman	\$48 50		
Sundry persons, analytical work	208 00		
			<hr/> 256 50
Contagious and Tuberculosis Hospital:—			
Cities and Towns	\$5,330 90		
Commonwealth of Massachusetts	1,092 60		
County of Middlesex	15 00		
Support of Poor, Miscellaneous	30 00		
Sundry Persons	1,286 06		
			<hr/> 7,754 56
Highways, Refuse Disposal:—			
Paul N. Raymond, use of incinerator, 1911	\$225 00		
D. D'Stefano, use of incinerator, 1912	1,020 00		
Sundry Persons, offal	10,498 65		
			<hr/> 11,743 65
Highways Maintenance:—			
Sundry persons, constructing driveways	\$503 13		
Sundry persons, labor and material	488 04		
			<hr/> 991 17
Sidewalks Maintenance, Vernon H. Worster, repairs			20 22
Street Sprinkling:—			
Assessments (in taxes)	\$34,143 95		
Abutters on sundry streets	36 50		
			<hr/> 34,180 45
Maintenance Highway Buildings, sundry persons, rent			240 00
Support of Poor, Miscellaneous:—			
Commonwealth of Massachusetts	\$1,471 70		
Cities and Towns	2,620 33		
			<hr/> 4,092 03
City Home:—			
Contagious and Tuberculosis Hospital, produce	\$239 99		
J. Foster Colquhoun, produce	4,043 17		
Cities and Towns, board	786 00		
Sundry persons, board	31 52		
			<hr/> 5,100 68
Soldiers' Relief, Cities and Towns			126 00
Military Aid, Commonwealth of Massachusetts			342 00
State Aid, Commonwealth of Massachusetts			15,563 00
Soldiers' Burials, Commonwealth of Massachusetts			370 00
School Contingent:—			
Commonwealth of Massachusetts, In- dustrial Schools	\$4,743 30		
Commonwealth of Massachusetts, Tuition state wards	225 00		
Sundry persons, tuition	60 96		
Cities and Towns, tuition	400 63		
			<hr/> \$200,394 71
Amounts carried forward	\$5,429 89		

Amounts brought forward	\$5,429 89	\$200,394 71
Lumber sold	2 25	
Evening High School, registration fees forfeited	198 00	
	<hr/>	5,630 14
Maintenance School Buildings:—		
Walter T. Littlefield, telephone tolls	\$47 66	
old iron	2 50	
damage to property, rent of ward rooms,	5 25	
rent of ward rooms	17 00	
Sundry persons, rent of ward rooms	8 75	
damage to property, etc.,	9 25	
J. P. Flaherty, old boiler	25 87	
Sundry persons, teaming	4 00	
	<hr/>	120 28
Libraries:—		
Fines	\$1,554 69	
Books	8 55	
Telephone tolls	2 87	
Catalogues	2 60	
	<hr/>	1,568 71
Parks Maintenance, M. A. Philpots, sods		10 80
Somerville Field:—		
Somerville High School Athletic Associa- tion	\$1,000 00	
New England Baseball Association	250 00	
Clarendon Club	10 00	
Sundry persons	45 00	
	<hr/>	1,305 00
Maintenance Bathhouse:—		
Walter T. Littlefield, Commissioner of Public Buildings, bathhouse receipts		643 42
Water Maintenance:—		
Sundry persons, pipe, fittings, etc.	\$13,052 66	
Edison Electric Illuminating Company, grounding wires	250 00	
	<hr/>	13,302 66
Water Service Assessments:—		
Sundry persons, water services		4,863 82
Water Works Income:—		
Sales of water:—		
Metered Water Charges, fourth quarter, 1912, uncollected	\$19,145 90	
Received of sundry water takers	215,026 33	
	<hr/>	
	\$234,172 23	
Less Refunds of Water Charges	320 16	
	<hr/>	233,852 07
		<hr/>
		\$461,691 61
Revenue received in cash		\$392,069 41
Taxes (Special Assessments):—		
Gypsy and Brown-tail Moth Extermina- tion	\$398 86	
Street Sprinkling	34,143 95	
	<hr/>	34,542 81
Amount carried forward		<hr/>
		\$426,612 22

Amount brought forward		\$426,612 22
Journal Charges:—		
Interest, Real Estate Liens	\$24 15	
Treasury Department, Real Estate Liens (costs)	4 50	
	<hr/>	28 65
Metered Water Charges		19,145 90
Commonwealth of Massachusetts:—		
State Aid	\$15,563 00	
Military Aid	342 00	
Soldiers' Burials	370 00	
	<hr/>	16,275 00
		<hr/>
		\$462,061 77
Refunds:—		
Court fees and fines, cash	\$50 00	
Metered Water Charges:—		
Abatements	\$1 00	
Cash	319 16	
	<hr/>	320 16
		<hr/>
		370 16
		<hr/>
		<u>\$461,691 61</u>

TABLE F.—GENERAL ACCOUNTS AND BALANCES.

Cash.

	RECEIPTS.	
Balance from 1911		\$110,329 09
Revenue (See Table E)	\$392,069 41	
Taxes, 1904	\$216 72	
1908	102 80	
1909	275 78	
1910	1,010 65	
1911	259,207 84	
1912	1,114,275 30	
	<hr/>	1,375,089 09
Metered Water Charges		16,458 80
Highway Betterment Assessments		3,773 36
Sidewalk Assessments		16,789 74
Sewer Assessments		4,470 71
Commonwealth of Massachusetts:—		
Account liquor licenses	\$9 50	
Due for advances, 1911	17,113 00	
	<hr/>	17,122 50
Temporary Loans		750,000 00
Grade Crossings		109,305 55
Redemption of Tax Liens		1,502 05
Sundry Persons		22 23
Public Library Trust Funds		1,000 00
Public School Trust Funds		5,000 00
Funded Debt		332,000 00
Trust Funds, Income:—		
Public School: S. Newton Cutler		125 00
Public Library: Isaac Pitman, Art		170 14
Poetry		42 54
	<hr/>	
Amounts carried forward	\$3,024,941 12	\$110,329 09

Amounts brought forward	\$3,024,941 12	\$110,329 09
Frances A. Wilder Children's Department	7 16	
Martha R. Hunt, books	495 27	
S. Newton Cutler	25 00	
Reduction of Funded Debt, premium on bonds	6,220 70	
Credits to Appropriation accounts:—		
Refunds (See Table D)	1,878 03	
Offsets to Outlays (See Table D)	2,427 10	
Service Transfers (See Table C)	52,460 93	
	<hr/>	\$3,088,455 31
		<hr/>
		\$3,198,784 40

PAYMENTS.

Refunds of Revenue (See Table E)	\$369 16
Board of Aldermen Expenses	882 56
Clerk of Committees and Departments	3,761 44
Executive Department	4,234 28
Auditing Department	1,288 56
Treasury Department	13,221 40
Assessors' Department	11,005 71
City Clerk's Department	7,667 02
Law Department	2,432 55
City Messenger's Department	1,479 31
Engineering Department	11,898 00
Commissioner of Public Buildings	4,369 86
Maintenance Municipal Buildings	6,468 10
Municipal Buildings, Vaults	2,778 07
City Hall, Additional Accommodations	150 00
Election Expenses, City Clerk	1,646 71
Registrars of Voters	2,422 62
Pay of Election Officers,	3,688 00
Polling Places	711 10
Police Department	103,997 25
Maintenance Police Buildings	3,920 18
Police Department, Additional Equipment	1,715 00
Police Building, Vault	143 10
Police Signal System	157 74
Fire Department	98,426 96
Maintenance Police Buildings	4,736 70
Fire Station, Winter Hill	6,038 20
Militia	500 00
Weights and Measures Department	2,450 51
Electrical Department	8,748 38
Electrical Department, Underground Construction	2,736 02
Gypsy and Brown-tail Moth Extermination,	2,345 47
Elm-leaf Beetle Extermination	697 12
Care of Trees	2,598 20
Health Department	10,818 12
Inspection of Animals and Provisions	1,254 81
Inspection of Milk and Vinegar	1,786 56
Inspection of School Children	1,530 85
Vital Statistics	2,305 58
Contagious and Tuberculosis Hospital	16,052 28
Amount carried forward	<hr/>
	\$353,433 48

Amount brought forward	\$353,433 48
Maintenance Contagious and Tuberculosis Hospital	3,520 59
Sewers Construction	27,074 33
Sewers Maintenance	13,864 37
Maintenance Sewer Buildings	121 51
Refuse Disposal	79,880 11
Maintenance Refuse Buildings	962 18
Refuse Disposal, New Equipment	4,950 00
Incinerator Building	596 07
Street Cleaning	20,937 79
Highways Construction	56,507 35
Highways Maintenance	59,087 80
Highways, Paved Gutters and Crossings	5,829 15
Sidewalks Construction	38,575 43
Sidewalks Maintenance	3,775 05
Street Sprinkling	27,667 43
Street Lighting	54,500 00
Maintenance Highway Buildings	1,164 77
Support of Poor, Miscellaneous	19,201 33
City Home	8,998 97
Maintenance City Home Buildings	1,389 48
City Home Addition	7,862 74
Somerville Hospital	5,000 00
Soldiers' Relief	22,317 56
Military Aid	684 00
State Aid	15,581 00
Soldiers' Burials	370 00
School Contingent	37,030 37
School Teachers' Salaries	305,889 97
Maintenance School Buildings	72,797 13
Bennett School Addition	1,098 29
William H. Hodgkins School Addition	4,109 18
Industrial School for Girls	1,146 28
S. Newton Cutler School	54,558 14
Schoolhouses, Additional Window Space	374 12
High School Addition	751 67
School Buildings, Fire Exits	2,677 66
Public Library Construction	25,021 71
Central Library	21,929 72
Maintenance Central Library	3,532 98
West Somerville Branch Library	5,499 99
Maintenance West Somerville Branch Library	1,705 95
Ward One Branch Library	79 44
Union Square Branch Library	801 31
East Somerville Reading Room	1,999 99
Maintenance East Somerville Reading Room	785 60
Union Square Reading Room	2,398 38
Maintenance Union Square Reading Room,	610 07
Public Library Trust Funds, Income:—	
Isaac Pitman Fund, Art	279 02
Poetry	78 52
Martha R. Hunt Fund, Books	871 48
Parks Maintenance	8,722 38
Maintenance Park Buildings	234 87
Playgrounds Maintenance	3,647 86
Amount carried forward	<u>\$1,392,484 57</u>

Amount brought forward	\$1,392,484	57
Playgrounds Extension	1,997	42
Somerville Field	74	68
Summer Playgrounds	2,500	00
Maintenance Bathhouse	2,060	10
Memorial Day	425	00
Independence Day	500	00
Municipal Documents	2,352	47
Contingent Fund	561	80
Interest	28,914	52
Reduction of Funded Debt	177,372	50
Water Maintenance	56,198	10
Water Works Extension	23,410	48
Maintenance Water Buildings	460	78
Overlay and Abatement	300	69
Coupons	48,382	50
Commonwealth of Massachusetts, Taxes, etc.	333,651	35
Commonwealth of Massachusetts, 25 per cent. liquor licenses	9	50
County of Middlesex	58,374	94
Temporary Loans	750,000	00
Grade Crossings	87,405	37
Redemption of Tax Liens	1,502	05
Sundry Persons	53	55
Public Library Trust Funds, Investment	1,000	00
Public School Trust Funds, Investment	5,000	00
	<hr/>	
	\$2,974,992	37
Balance to debit of account, 1913	223,792	03
	<hr/>	
		<u>\$3,198,784 40</u>

Taxes.

CREDIT.

Receipts:—

Cash, received for taxes of 1904	\$216	72
“ “ “ “ 1908	102	80
“ “ “ “ 1909	275	78
“ “ “ “ 1910	1,010	65
“ “ “ “ 1911	259,207	84
“ “ “ “ 1912	1,114,275	30
	<hr/>	
		\$1,375,089 09

Overlay and Abatement:—

Abatements on taxes of 1903 and prior years	\$2,035	72
Abatements on taxes of 1904	369	12
“ “ “ “ 1905	424	56
“ “ “ “ 1906	419	68
“ “ “ “ 1907	439	86
“ “ “ “ 1908	1,026	72
“ “ “ “ 1909	2,377	78
“ “ “ “ 1910	3,756	40
“ “ “ “ 1911	7,545	07
“ “ “ “ 1912	7,156	56
	<hr/>	
		25,551 47

Amount carried forward \$1,400,640 56

Amount brought forward		\$1,400,640 56
Balance to debit of account, 1913:—		
Being uncollected taxes of 1910	\$660 95	
“ “ “ 1911	2,602 85	
“ “ “ 1912	275,066 27	
	<hr/>	278,330 07
Real Estate Liens, sale of unredeemed estate		30 95
		<hr/>
		\$1,679,001 58

DEBIT.

Balance from 1911	\$282,503 45	
Tax Levy, as per assessors' warrant of August 10, 1912	1,390,824 93	
Supplementary warrants, amounts credited to Overlay and Abatement account	5,673 20	
	<hr/>	\$1,679,001 58

Overlay and Abatement.

CREDIT.

Balance from 1911	\$20,308 49
Taxes, amount of overlay from assessors' warrant	18,973 02
Amount of assessors' supplementary warrants, 1912	5,673 20
	<hr/>
	\$44,954 71

Reduced by the following transfers:—

School Teachers' Salaries account	\$2,500 00
Support of Poor, Miscellaneous account	2,500 00
City Home account	500 00
	<hr/>
	5,500 00

	<hr/>	\$39,454 71
Balance to credit of account, 1913		13,608 55
		<hr/>
		\$25,846 16

DEBIT.

Taxes, amount of abatements	\$25,551 47
Cash, paid sundry persons, money refunded,	300 69
	<hr/>
	\$25,852 16
Refunds, taxes refunded	6 00
	<hr/>
	25,846 16

Real Estate Liens.

DEBIT.

Balance from 1911	\$631 83
Taxes, Interest and Costs, sale of unredeemed estate	59 60
	<hr/>
	\$691 43
Balance to debit of account, 1913	691 43
	<hr/>

Metered Water Charges.

CREDIT.

Cash, received of sundry water takers	\$16,458 80
Water Works Income account, abatements,	1 00
	<hr/>
	\$16,459 80
Balance to debit of account, 1913	19,145 90
	<hr/>
	\$35,605 70

DEBIT.

Balance from 1911	\$16,459 80	
Last quarter, district No. 1, uncollected	19,145 90	
	<u> </u>	<u>\$35,605 70</u>

Highway Betterment Assessments.

CREDIT.

Cash, received of sundry persons		\$3,773 36
Lowell Street Bridges account, abatements		2,050 00
Highways Construction account, abatements		115 00
Balance to debit of account, 1913		2,589 69
		<u> </u>
		<u>\$8,528 05</u>

DEBIT.

Balance from 1911	\$2,604 14	
Highways Construction account, assessments levied	5,923 91	
	<u> </u>	<u>\$8,528 05</u>

Sidewalk Assessments.

CREDIT.

Receipts:—

Cash, received of sundry persons		\$16,789 74
Balance to debit of account, 1913		12,865 21
		<u> </u>
		<u>\$29,654 95</u>

DEBIT.

Balance from 1911		\$13,101 95
Sidewalks Construction account, assessments levied,	\$17,195 62	
Less abatements	642 62	
	<u> </u>	16,553 00
		<u> </u>
		<u>\$29,654 95</u>

Sewer Assessments.

CREDIT.

Receipts:—

Cash, received of sundry persons		\$4,470 71
Balance to debit of account, 1913		8,242 54
		<u> </u>
		<u>\$12,713 25</u>

DEBIT.

Balance from 1911		\$4,872 53
Sewers Construction account, assessments levied	\$8,669 52	
Less abatements	828 80	
	<u> </u>	7,840 72
		<u> </u>
		<u>\$12,713 25</u>

Coupons.

CREDIT.

Balance of coupons unpaid January 1, 1912		\$11,087 50
Coupons maturing April 1, 1912:—		
Water Loan	\$360 00	
Sewer Loan	1,842 50	
	<u> </u>	<u> </u>
Amounts carried forward	\$2,202 50	\$11,087 50

Amounts brought forward	\$24,469 82	\$211,592 12
Serial Bond Requirements	445 46	
Interest	63,205 16	
Maintenance	16,111 70	
	<hr/>	109,232 14
State Highway Tax		58 00
Abatement of Smoke in Boston and vicinity		158 32
Grade Crossings Assessment:—		
Assessment	\$9,088 87	
Interest	1,973 53	
	<hr/>	11,062 40
Tax on Non-resident Bank Shares		1,548 37
		<hr/>
		\$333,651 35
Cash paid		<u>333,651 35</u>

Soldiers' Benefits.

Military Aid, 1911	\$414 00	
State Aid, 1911	16,218 00	
Soldiers' Burials	481 00	
	<hr/>	\$17,113 00
Military Aid, 1912	\$342 00	
State Aid, 1912	15,563 00	
Soldiers' Burials, 1912	370 00	
	<hr/>	16,275 00
		<hr/>
		\$33,388 00
Cash received		<u>17,113 00</u>
		<hr/>
Balance to debit of account, 1913		<u>\$16,275 00</u>

Liquor License Fees.

25 per cent. of liquor license fees		\$9 50
Cash paid		<u>9 50</u>

County of Middlesex.

CREDIT.

Taxes, 1912, county tax		\$58,374 94
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DEBIT.

(Expenditures.)

Cash, paid county tax		<u>\$58,374 94</u>
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Temporary Loans.

CREDIT.

Balance from 1911		\$350,000 00
Cash, borrowed by authority of the Board of Aldermen on notes as follows:—		
City Notes Nos. 99 to 104, 254 days, 2.79 per cent. and \$2 premium, discounted	\$100,000 00	
City Notes Nos. 105 to 116, 264 days, 2.79 per cent. and \$2 premium, discounted	200,000 00	
City Notes Nos. 117 to 119, 230 days, 2.75 per cent., discounted	50,000 00	
City Notes Nos. 120 to 125, 343 days, 3.68 per cent. and \$1 premium, discounted	100,000 00	
	<hr/>	
Amounts carried forward	\$450,000 00	<u>\$350,000 00</u>

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 47

Amounts brought forward	\$450,000 00	\$350,000 00
City Notes Nos. 126 to 128, 126 days, 3.40 per cent., discounted	50,000 00	
City Notes Nos. 129 to 135, 293 days, 3.58 per cent., discounted	100,000 00	
City Notes Nos. 145 to 150, 152 days, 4.75 per cent., discounted	150,000 00	
	<hr/>	750,000 00
		<hr/>
		\$1,100,000 00

DEBIT.
(Expenditures.)

Cash, paid as follows:—

City Notes Nos. 68 to 85	\$250,000 00	
City Notes Nos. 86 to 91	100,000 00	
City Notes Nos. 99 to 104	100,000 00	
City Notes Nos. 117 to 119	50,000 00	
City Notes Nos. 126 to 128	50,000 00	
City Notes Nos. 105 to 116	200,000 00	
	<hr/>	
	\$750,000 00	
Balance to credit of account, 1913	350,000 00	
	<hr/>	\$1,100,000 00
		<hr/>

Grade Crossings.

CREDIT.

Receipts:—

Decree on Seventh Report, Somerville Avenue:—		
Boston & Maine Railroad, Lessee	\$3,618 71	
Boston Elevated, Lessee	784 06	
Commonwealth of Massachusetts	723 74	
Commonwealth of Massachusetts, on ac- count of City of Somerville	603 12	
New York Central & Hudson River Rail- road, Lessee	301 56	
	<hr/>	\$6,031 19
Decree on Third Report, Certain Grade Crossings:—		
Boston Elevated, Lessee	\$21,786 62	
Commonwealth of Massachusetts, on ac- count of City of Somerville	20,935 39	
	<hr/>	42,722 01
Decree on Fourth Report, Certain Grade Crossings:—		
Boston Elevated, Lessee	\$4,247 95	
Commonwealth of Massachusetts	10,890 14	
Commonwealth of Massachusetts, on ac- count of City of Somerville	6,055 23	
Boston & Maine Railroad, Lessee	39,359 03	
	<hr/>	60,552 35
		<hr/>
		\$109,305 55
Balance to debit of account, 1913		18,232 02
		<hr/>
		\$127,537 57

DEBIT.
(Expenditures.)

Balance from 1911		\$39,314 11
Cash, paid E. G. Butman, services at Med- ford street	\$42 00	
	<hr/>	
Amounts carried forward	\$42 00	\$39,314 11

Amounts brought forward	\$42 00	\$39,314 11
Ella A. Blood, settlement	3,000 00	
Carrie F. Bent, Administratrix, settle- ment	1,550 00	
Edward A. Binney, appraising	77 50	
Joseph M. and John M. Bettencourt, settlement	500 00	
Lydia J. and Ada L. Briggs, settlement .	200 00	
Catherine C. Cotter, settlement	3,700 00	
James F. Connelly, services as watchman, Mary Grady and Margaret A. Cullen, settlement	18 00	
D. A. Carr, expert witness	600 00	
Peter Carrigan, services	25 00	
John P. Commins, et al., settlement	18 00	
Jeffrey Donahue, settlement	1,800 00	
Emily H. Doherty, transcript of evidence, Saetano and DiCiacchio Cavecchio, settle- ment	1,000 00	
Mary E. Dunlee, settlement	99 60	
Elphonso I. Everton, et al., settlement . .	1,400 00	
Mary E. Fitzgerald, settlement	1,300 00	
J. P. Foley, services as stenographer . . .	6,000 00	
Rosa Freeman, settlement	2,200 00	
John D. Flynn, settlement	7 50	
J. Robert Fenelon, services as expert . .	300 00	
Joseph J. Giles, services as expert	1,350 00	
Phillipena Hunzelman, damages	60 00	
James M. Harmon, services	100 00	
John Higgins, settlement	1,700 00	
Frederick E. Jones, making surveys	10 00	
Eugene H. Jones, photographs	5,025 00	
Margaret A. Kenney, settlement	197 00	
Frank W. Kaan, special counsel	63 00	
Walter T. Littlefield, professional ser- vices	800 00	
Thomas and Hannah Laffin, settlement . .	4,598 02	
Henry Locke, settlement	95 00	
Louis Miller, settlement	400 00	
William A. McLean, settlement	100 00	
J. Edward L. McLean, estimates	2,400 00	
Jose F. and Maria Mello, settlement . . .	50 00	
Lawrence J. Meaney, settlement	978 50	
Margaret McDonough, settlement	1,150 00	
William E. McNamara, settlement	1,800 00	
Andrew Mulcahey, Administrator, settle- ment	900 00	
Margaret J. McCullough, settlement	1,800 00	
Frank L. Nicod, settlement	2,200 00	
Daniel O'Hern, settlement	1,600 00	
Nathan H. Reed, estimates	600 00	
Mary J. Riley, Executrix, settlement . . .	200 00	
Roman Catholic Archbishop of Boston, settlement	800 00	
St. Joseph's School Corporation, settle- ment	7,353 67	
Somerville Journal Company, advertising,	13,646 33	
	3 75	
Amounts carried forward	\$75,417 87	\$39,314 11

Amounts brought forward	\$75,417 87	\$39,314 11
Somerville Savings Bank, settlement	800 00	
Ezra A. Stevens, settlement	300 00	
W. A. Snow Iron Works, Inc., testimony, Johanna E. and Mary J. Savage, settle- ment	2,500 00	
Mary A. Savage, settlement	1,900 00	
Levi L. Tower, Trustee, settlement	4,500 00	
Arthur P. Vinal, et al., settlement	500 00	
Harry Van Iderstine, services	77 50	
Frederick C. Waitè, settlement	1,400 00	

87,405 37

Grade Crossings Expenses account, amount transferred .

818 09

\$127,537 57

Redemption of Tax Liens.

CREDIT.

Receipts:—

Cash, received of sundry persons, redemption of tax liens, \$1,502 05

DEBIT.

(Expenditures.)

Cash, paid sundry persons, redemption of tax liens \$1,502 05

Overplus on Tax Sales.

CREDIT.

Balance from 1911 \$118 13

DEBIT.

Balance to credit of account, 1913 \$118 13

Sundry Persons.

CREDIT.

Balance from 1911 \$750 88

Cash, received of sundry persons 22 23

\$773 11

DEBIT.

Cash, paid tellers' shorts and overs \$53 55

Balance to credit of account, 1913 719 56

\$773 11

Public Library Trust Funds.

CREDIT.

Balance from 1911 \$20,414 58

S. Newton Cutler Library Fund 1,000 00

\$21,414 58

Balance to credit of account, 1913 21,414 58

Public Library Trust Funds, Investment.

CREDIT.

Balance to debit of account, 1913 \$21,414 53

DEBIT.

Balance from 1911 \$20,414 58

S. Newton Cutler Library Fund 1,000 00

\$21,414 58

Public School Trust Funds.

	CREDIT.	
S. Newton Cutler Fund		\$5,000 00
Balance to credit of account, 1913		<u>5,000 00</u>

Public School Trust Funds, Investment.

	CREDIT.	
Balance to debit of account, 1913		\$5,000 00
	DEBIT.	
S. Newton Cutler Fund		<u>\$5,000 00</u>

Public Property.

	CREDIT.	
Balance to debit of account, 1913		\$5,677,038 63
	DEBIT.	
Property and Debt Balance, property ac- quired in 1912	\$158,036 96	
Balance from 1911	<u>5,519,001 67</u>	
		<u>\$5,677,038 63</u>

Funded Debt.

	CREDIT.	
Funded Debt, January 1, 1912		\$1,519,000 00
Issues of 1912:—		
City Loan Bonds Nos. 4144 to 4425	\$282,000 00	
Sewer Loan Bonds Nos. 549 to 563	15,000 00	
Municipal Loan Bonds Nos. 4426 to 4460	<u>35,000 00</u>	
		<u>332,000 00</u>
		\$1,851,000 00
	DEBIT.	
Bonds maturing in 1912	\$177,000 00	
Present Funded Debt, balance of account	<u>1,674,000 00</u>	
		<u>\$1,851,000 00</u>

Property and Debt Balance.

	CREDIT.	
Balance from 1911		\$4,000,001 67
Public Property, property acquired in 1912		158,036 96
Funded Debt, bonds maturing in 1912		<u>177,000 00</u>
		\$4,335,038 63
	DEBIT.	
Funded Debt, issues of 1912	\$332,000 00	
Balance to credit of account, 1913	<u>4,003,038 63</u>	
		<u>\$4,335,038 63</u>

Excess and Deficiency.

	CREDIT.	
Balance from 1911		\$4,932 37
Amounts transferred to the following:—		
Municipal Documents	\$1,500 00	
Board of Aldermen Expenses	200 00	
Fire Station, Winter Hill	<u>50 00</u>	
		<u>\$1,750 00</u>
Amounts carried forward		<u>\$4,932 37</u>

Amounts brought forward	\$1,750 00	\$4,932 37
Contingent Fund	300 00	
Pay of Election Officers	1,400 00	
Union Square Reading Room	500 00	
Contagious and Tuberculosis Hospital	982 37	
	<hr/>	<hr/>
		\$4,932 37

Balances of 1912 accounts:—

	Debit.	Credit.
Board of Aldermen Expenses		\$117 44
Clerk of Committees and Departments		288 56
Executive Department		165 72
Auditing Department		61 44
Treasury Department		78 60
Assessors' Department	\$5 71	
City Clerk's Department		165 66
Law Department		20 71
City Messenger's Department	79 31	
Commissioner of Public Buildings		30 14
Maintenance Municipal Buildings	168 10	
Election Expenses, City Clerk	246 71	
Election Expenses, Registrars of Voters	122 62	
Election Expenses, Pay of Election Officers		224 00
Election Expenses, Polling Places	11 10	
Police Department		545 25
Maintenance Police Buildings	520 18	
Fire Department		89 63
Maintenance Fire Buildings	136 70	
Weights and Measures	50 51	
Electrical Department		99 25
Gypsy and Brown-tail Moth Extermination, Elm Leaf Beetle Extermination		154 53
Health Department		52 88
Inspection of Animals and Provisions	4 81	1,009 14
Inspection of Milk and Vinegar	86 56	
Inspection of School Children		19 15
Vital Statistics	5 58	
Contagious and Tuberculosis Hospital	1,069 91	
Maintenance Contagious and Tuberculosis Hospital	20 59	
Sewers Maintenance		03
Maintenance Sewer Buildings	21 51	
Refuse Disposal	316 39	
Maintenance Refuse Buildings	62 18	
Street Sprinkling		404 57
Maintenance Highway Buildings		35 23
Support of Poor, Miscellaneous	195 23	
Support of Poor, City Home		1 03
Maintenance City Home Buildings	89 48	
Soldiers' Relief		102 44
Military Aid		166 00
State Aid		737 00
Soldiers' Burials		130 00
School Contingent		694 54
School Teachers' Salaries		121 03
Maintenance School Buildings		1,601 55
Central Library		02
	<hr/>	<hr/>
Amounts carried forward	\$3,213 18	\$7,115 54

Amounts brought forward	\$3,213 18	\$7,115 54
Maintenance Central Library Building		117 02
West Somerville Branch Library		01
Maintenance West Somerville Branch Library Building	55 95	
East Somerville Reading Room		01
Maintenance East Somerville Reading Room	35 60	
Union Square Reading Room		1 62
Maintenance Union Square Reading Room, Parks Maintenance	477 08	39 93
Maintenance Park Buildings	34 87	
Playgrounds Maintenance		15
Maintenance Bathhouse		43 90
Contingent Fund		7,038 20
Interest		517 37
Water Maintenance	6,422 07	
Water Works Extension	410 48	
Maintenance Water Buildings		139 22
Revenue		9,055 96
		<hr/>
	\$10,649 23	
Balance to credit of account, 1913	13,419 70	
	<hr/>	<hr/>
	\$24,068 93	\$24,068 93

Balances.**General Accounts.**

Cash	\$223,792 03	
Taxes, 1910	660 95	
1911	2,602 85	
1912	275,066 27	
Overlay and Abatement		\$13,608 55
Real Estate Liens	691 43	
Metered Water Charges	19,145 90	
Highway Betterment Assessments	2,589 69	
Sidewalk Assessments	12,865 21	
Sewer Assessments	8,242 54	
Coupons		14,765 00
Commonwealth of Massachusetts	16,275 00	
Temporary Loans		350,000 00
Grade Crossings	18,232 02	
Overplus on Tax Sales		118 13
Sundry Persons		719 56

Maintenance Accounts.

See Excess and Deficiency account, pre- ceding	\$10,649 23	\$24,068 93
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Non-Revenue Accounts.

See Credit Balances, Funded Debt Ap- propriations, in first part of report		181,175 46
Reduction of Funded Debt		5,848 20

Trust Funds.

Public School		\$5,000 00
Public School, Investment	\$5,000 00	

Amounts carried forward	\$595,813 12	\$595,303 83
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Amounts brought forward	\$595,813 12	\$595,303 83
Public Library		21,414 58
Public Library, Investment	21,414 58	
Income:—		
Public School, S. Newton Cutler		125 00
Library:—		
Isaac Pitman, Art		176 41
Poetry		46 28
Frances A. Wilder, Children's Department		13 31
Martha R. Hunt, Books		70 79
Art		52 50
S. Newton Cutler		25 00
	<u>\$617,227 70</u>	<u>\$617,227 70</u>

TABLE G.—STATEMENT OF ACCOUNTS, SHOWING APPROPRIATIONS, EXPENDITURES, ETC., TO DECEMBER 31, 1912.

Appropriations.

	CREDIT.	
Taxes, amount assessed for municipal purposes		\$1,054,514 95
From Estimated Revenue		439,412 05
Property and Debt Balance, amount provided by issues of bonds		332,000 00
		<u>\$1,825,927 00</u>

DEBIT.

Appropriations:—

General Government.

Board of Aldermen Expenses	\$800 00	
Clerk of Committees and Departments	4,050 00	
Executive Department	4,400 00	
Auditing Department	1,350 00	
Treasury Department	13,300 00	
Assessors' Department	11,000 00	
City Clerk's Department	5,800 00	
Law Department	2,400 00	
City Messenger's Department	1,400 00	
Engineering Department	11,500 00	
Commissioner of Public Buildings	4,500 00	
Maintenance Municipal Buildings	6,300 00	
	<u> </u>	
Total General Government		\$66,800 00

Election Expenses.

City Clerk	\$1,400 00	
Registrars of Voters	2,300 00	
Pay of Election Officers	2,512 00	
Polling Places	700 00	
	<u> </u>	
Total Election Expenses		\$6,912 00

Protection of Life and Property.

Police Department	\$96,500 00	
Maintenance Police Building	2,700 00	
Fire Department	93,000 00	
	<u> </u>	
Amounts carried forward	\$192,200 00	\$73,712 00

Amounts brought forward	\$192,200 00	\$73,712 00
Maintenance Fire Buildings	5,300 00	
Militia	500 00	
Weights and Measures Department	2,400 00	
Electrical Department	8,750 00	

Total Protection of Life and Property		209,150 00
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Forestry.

Gypsy and Brown-tail Moth Extermination,	\$2,500 00	
Elm-leaf Beetle Extermination	750 00	
Highways, Care of Trees	3,000 00	

Total Forestry		6,250 00
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Health and Sanitation.

Health:—

Health Department	\$9,800 00	
Inspection of Animals and Provisions	1,250 00	
Inspection of Milk and Vinegar	1,700 00	
Inspection of School Children	1,550 00	
City Clerk's Department, Vital Statistics	2,250 00	
Contagious and Tuberculosis Hospital	12,000 00	
Maintenance Contagious and Tuberculosis Hospital	3,500 00	

Sanitation:—

Engineering Department, Sewers Maintenance	13,000 00	
Maintenance Sewer Buildings	100 00	
Highways, Refuse Disposal	73,000 00	
Maintenance Refuse Buildings	900 00	
Highways, Street Cleaning	23,000 00	

Total Health and Sanitation		\$142,050 00
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Highways.

Highways Maintenance	\$32,000 00	
Highways, Sidewalks Maintenance	4,000 00	
Street Sprinkling	31,000 00	
Street Lighting	54,500 00	
Maintenance Highway Buildings	1,200 00	

Total Highways		122,700 00
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Charities.

Support of Poor, Miscellaneous	\$16,500 00	
Support of Poor, City Home	8,500 00	
Maintenance City Home Buildings	1,300 00	
Somerville Hospital	5,000 00	

Total Charities		31,300 00
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Soldiers' Benefits.

Soldiers' Relief	\$23,000 00	
Military Aid	850 00	
State Aid	16,300 00	
Soldiers' Burials	500 00	

Total Soldiers' Benefits		40,650 00
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Amount carried forward		\$625,812 00
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Amount brought forward \$625,812 00

Education.

School Contingent \$32,000 00
 School Teachers' Salaries 303,500 00
 Maintenance School Buildings 64,000 00

Total Education 399,500 00

Libraries.

Central Library \$21,900 00
 Maintenance Central Library 3,900 00
 West Somerville Branch Library 5,500 00
 Maintenance West Somerville Branch
 Library 1,750 00
 East Somerville Reading Room 1,750 00
 Maintenance East Somerville Reading
 Room 800 00
 Union Square Reading Room 1,750 00
 Maintenance Union Square Reading Room, 700 00

Total Libraries 38,050 00

Recreation.

Engineering Department, Parks Maintenance \$7,800 00
 Maintenance Park Buildings 300 00
 Engineering Department, Playgrounds Maintenance 3,300 00
 School Department, Summer Playgrounds 2,500 00
 Maintenance Bathhouse 2,200 00

Total Recreation 16,100 00

Celebrations.

Memorial Day 425 00

Unclassified.

Municipal Documents \$600 00
 Contingent Fund 800 00

Total Unclassified 1,400 00

Municipal Indebtedness.

Interest \$80,000 00
 Reduction of Funded Debt 166,000 00

Total Municipal Indebtedness 246,000 00

Water Works.

Water Maintenance \$30,000 00
 Interest on Water Loan Bonds 1,740 00
 Reduction of Funded Debt, Water Loan Bonds 6,000 00
 Metropolitan Water Assessment (estimated) 111,100 00
 Water Works Extension 17,000 00
 Maintenance Water Buildings 800 00

Amount carried forward \$1,327,287 00

Amount brought forward	\$1,327,287 00
Total Water Works	166,640 00
	<hr/>
	\$1,493,927 00
Appropriations on Funded Debt account (see first part of Treasurer's Report)	332,000 00
	<hr/>
	<u>\$1,825,927 00</u>

GENERAL GOVERNMENT.

Board of Aldermen Expenses.

CREDIT.	
Appropriation	\$800 00
Excess and Deficiency account, amount transferred	\$200 00
Less balance returned	117 44
	<hr/>
	82 56
	<hr/>
	\$882 56

DEBIT.	
(Expenditures.)	
Cash, paid Boston Regalia Co., gavels	\$3 00
Bicknell & Fuller Paper Box Co., box	6 00
John F. Biggs & Co., printing	197 00
Boulevard Auto Co., Inc., automobile hire	112 50
F. M. Crosby Co., dinners	42 00
Glines Express Co., expressing	15
Thomas Groom & Co., stationery	14 71
E. F. Hicks, luncheon	25 00
Drew B. Hall, Librarian, expenses of aldermen to Springfield	15 85
Richard J. Keyes, services as stenog- rapher	47 00
Wesley A. Maynard, printing and adver- tising	75 35
G. F. McKenna & Son, carriage hire	25 00
Pneumatic Hand Stamp Co., stamps	5 16
The Quincy, dinners	42 00
Revere House, dinners	69 00
Somerville Post-office, postage	51 84
Walter H. Snow & Sons, catering	105 00
A. Stowell & Co., mounting gavel	7 00
Somerville Journal Co., printing	27 00
Somerville Enterprise Publishing Co., advertising	6 50
Smith-Premier Typewriter Co., rent	5 00
Thorpe's Express, expressing	50
	<hr/>
	\$882 56

Clerk of Committees and Departments.

CREDIT.	
Appropriation	\$4,050 00
Excess and Deficiency account, balance transferred	288 56
	<hr/>
	\$3,761 44

DEBIT.

(Expenditures.)

Cash, paid William P. Mitchell, salary as clerk of committees and departments	\$2,100 00	
appointment as justice of peace	7 00	
Laurence S. Howard, assistant	249 17	
clerical services	24 00	
Richard A. Keyes, assistant	602 45	
Lucia A. Manning, assistant	600 00	
Thomas Groom & Co., stationery	29 25	
W. A. Greenough & Co., directory	4 00	
Globe-Wernicke Co., cabinet and cards	5 10	
New England Telephone & Telegraph Co., service	57 08	
Remington Typewriter Co., repairing	5 25	
Smith-Premier Typewriter Co., platen	9 00	
Somerville Journal Co., printing	10 00	
Sampson & Murdock Co., directory	6 00	
Somerville Post-office, postage	45 22	
Samuel Ward Co., stationery	7 92	
		<u>\$3,761 44</u>

Executive Department.

CREDIT.

Appropriation	\$4,400 00
Excess and Deficiency account, balance transferred	165 72
	<u>\$4,234 28</u>

DEBIT.

(Expenditures.)

Cash, paid Charles A. Burns, salary as mayor	\$2,500 00	
Fred E. Warren, secretary to the mayor	1,400 00	
Edward O. Arnold, stenographic work	5 00	
Albert C. Aldrich, professional services	5 00	
A. R. Andrews, typewriter supplies	5 50	
American Express Co., expressing	40	
Boulevard Auto Co., rental	10 00	
George C. Burpee, report	6 30	
Somerville Enterprise, printing	42 00	
W. A. Greenough & Co., directory	4 00	
Drew B. Hall, Librarian, disbursements	15 85	
Hill-Michie Co., auto hire	20 75	
Jameson Bros., coach hire	10 00	
Charles A. Kendall, disbursements	38 60	
Richard A. Keyes, reporting	9 00	
New England Telephone & Telegraph Co., service	63 26	
Somerville Post-office, postage	26 00	
Sampson & Murdock Co., directory	6 00	
Somerville Journal Co., printing	14 90	
Underwood Typewriter Co., supplies	2 00	
Union Stamp Works, stamps	95	
Samuel Ward Co., stationery	28 77	
Somerville Young Men's Christian Association, rent of hall	20 00	
		<u>\$4,234 28</u>

Auditing Department.

CREDIT.

Appropriation	\$1,350 00
Excess and Deficiency account, balance transferred	61 44
	<hr/>
	\$1,288 56

DEBIT.

(Expenditures.)

Cash, paid Clarence T. Bruce, salary as auditor	\$800 01
American Express Co., expressing	70
Baker-Vawter Co., ledgers	21 39
Carter's Ink Co., ink	38
Thomas Groom & Co., warrants	85 00
Wesley A. Maynard, printing	5 50
Edwin L. Pride & Co., auditing	350 00
Pneumatic Hand Stamp Co., stamps	13 73
F. M. Reed, pens and pencils	1 25
Samuel Ward Co., stationery	2 25
Yawman & Erbe Mfg. Co., guide sets	8 35
	<hr/>
	\$1,288 56

Treasury Department.

CREDIT.

Appropriation	\$13,300 00
Excess and Deficiency account, balance transferred	78 60
	<hr/>
	\$13,221 40

DEBIT.

(Expenditures.)

Cash, paid Joseph S. Pike, salary as city treasurer	\$3,000 00
expenses to convention of accounting officers	45 50
Charles L. Ellis, deputy collector of taxes	1,500 00
disbursements	29 40
Beulah M. Peirce, first assistant	1,000 00
Louise B. McLaughlin, second assistant, postage stamps	750 00
	10 00
Florence M. Grow, third assistant	650 00
Marion C. Kendall, fourth assistant	650 00
Winnifred P. Briggs, fifth assistant	650 00
Lilla A. Johnson, clerical services	453 00
May G. Canfield, clerical services	350 69
Jeanette Hutchins, clerical services	22 67
Helen M. Keeler, clerical services	66 66
Marion F. Foster, clerical services	22 67
Florence W. Earle, clerical services	29 33
Florence M. Shaw, clerical services	24 00
Lillian M. Hildred, clerical services	13 33
Gladys Taylor, clerical services	8 00
Alice M. Keeler, clerical services	1 33
Zillah Campbell, clerical services	8 00
Lillian C. Scriven, clerical services	10 66
	<hr/>
Amount carried forward	\$9,295 24

Amount brought forward	\$9,295 24
Theodore H. Locke, services and collecting	86 39
Charles B. Palmer, fees for collecting	22 25
expense of defending suit	60 00
Malcolm E. Sturtevant, fees for collecting	16 00
National Security Bank, clearing house charges	43
Somerville National Bank, clearing house charges	5 67
American Surety Company of New York, bonds of treasurer and deputy collector	224 00
Andrews Paper Co., coin envelopes	23 03
S. H. Abbott, paper	1 80
Boston News Bureau, subscription	12 00
Burroughs Adding Machine Co., attention to machines	14 15
Carter's Ink Co., ink	2 25
Edwin O. Childs, Register, recording	17 55
Dennison Mfg. Co., bill straps	1 60
Davenport-Brown Co., wooden box	2 00
J. L. Fairbanks & Co., voucher checks	82 45
W. A. Greenough & Co., directories	11 00
Thomas Groom & Co., stationery	274 87
Howard Lowell & Son, carriage hire	120 00
Henry Lorentzen, services as safe expert	9 00
Wesley A. Maynard, printing	493 87
Morris-Ireland Safe Co., repairing	4 00
McGrath & Woodley, record books	33 00
New England Telephone & Telegraph Co., service	117 94
National Association of Accounting Officers, membership dues, and reports	14 00
Old Colony Trust Company, certification of bonds, etc.	150 00
bond book	18 00
Remington Typewriter Co., repairing	6 50
Smith-Premier Typewriter Co., repairing	1 00
Sampson & Murdock Co., directory	6 50
Somerville Journal Co., advertising tax sales, and printing deeds	515 93
printing	36 65
Sprague & Hathaway Co., framing	8 30
Somerville Post-office, postage	1,456 86
Thorpe's Express, expressing	25
Turner & Co., envelopes	46 27
Union Stamp Works, repairing	8 15
Samuel Ward Co., paper	7 50
Yale & Towne Mfg. Co., cleaning and insuring time lock	15 00
	<hr/>
	<u>\$13,221 40</u>

Assessors' Department.

CREDIT.

Appropriation	\$11,000 00
Excess and Deficiency account, balance transferred	5 71
	<hr/>
	\$11,005 71

DEBIT.

(Expenditures.)

Cash, paid George W. Perkins, salary as chairman of the board of assessors	\$2,000 00
Nathan H. Reed, assessor	800 00
George E. Elliott, assessor	800 00
Winsor L. Snow, assessor	800 00
Harry Van Iderstine, assessor	800 00
Fred B. Clapp, assistant assessor	250 00
James Wilson, assistant assessor	250 00
John F. Stackpole, assistant assessor	250 00
George I. Canfield, assistant assessor	250 00
J. Robert Fenelon, assistant assessor	250 00
William H. Wallis, assistant assessor	250 00
Abbie D. Southworth, assistant disbursements	750 00 13 80
Mabel E. Hall, assistant disbursements	650 00 3 70
Bertha M. Boyd, assistant	525 07
Stanley E. Converse, street clerk	64 00
Raymond A. Farr, street clerk	63 00
Theodore H. Locke, street clerk	60 00
Leonard C. Spinney, street clerk	78 00
Eleanor P. Turner, clerical services	101 33
Lula E. Chapman, clerical services	150 67
Eleanor Given, clerical services	57 33
Edna L. Goodwin, clerical services	33 33
Lillian M. Hildred, clerical services	189 33
Jeanette Hutchins, clerical services	144 00
Gertrude B. Roome, clerical services	136 00
William C. Abbott, use of automobile	10 00
Carter's Ink Co., ink	1 50
L. E. Clayton, elastic	1 10
Glines Express Co., expressing	45
W. A. Greenough & Co., directory	4 00
Harriott Co., badges	5 40
E. F. Hicks, catering	10 00
Wesley A. Maynard, advertising	108 47
New England Telephone & Telegraph Co., service	31 87
Pneumatic Hand Stamp Co., stamps	95
Somerville Journal Co., printing	761 03
Somerville Enterprise, advertising	37 00
Somerville Post-office, postage	40 08
Winter Hill Motor Co., automobile hire,	10 00
Samuel Ward Co., stationery	253 08
Yawman & Erbe Mfg. Co., stationery	6 22
	<hr/>
	\$11,005 71

City Clerk's Department.

CREDIT.

Appropriation	\$5,800 00
Vital Statistics account, amount transferred	50 00
	<hr/>
	\$5,750 00
Excess and Deficiency account, balance transferred	165 66
	<hr/>
	\$5,584 34

DEBIT.

(Expenditures.)

Cash, paid Frederic W. Cook, salary as city clerk	\$2,700 00
appointment as justice of the peace,	7 00
Howard E. Wemyss, assistant city clerk,	1,500 00
appointment as justice of the peace,	7 00
Clara B. Snow, first assistant	850 00
Edith A. Woodman, second assistant	637 58
Alice M. Vincent, third assistant	479 59
Florence H. Plimpton, fourth assistant	507 98
Susie G. Geist, clerical services	89 34
Gertrude Crowe, clerical services	1 33
Agnes M. Fitzmaurice, clerical services	123 33
Marguerite M. Scriven, clerical services	113 33
American Multigraph Sales Co., supplies,	20 49
American Express Co., expressing	55
Allen, Doane & Co., badges	5 75
T. H. Ball, mortgage blanks	6 00
Robert Burlen, binding	18 00
Carter's Ink Co., ink	13 53
John Donnelly & Sons, posting	36 00
Denison, Pratt Paper Co., paper	16 10
Glines & Co., expressing	1 69
Gray & Turner, premium	8 00
W. A. Greenough & Co., directory	4 00
Hobbs & Warren, forms	2 82
Library Bureau, index cards	9 00
Wesley A. Maynard, printing	20 40
New England Telephone and Telegraph Co., service	136 71
Pneumatic Hand Stamp Co., stamps	2 07
Remington Typewriter Co., supplies	32 40
Renner's Express, expressing	1 65
Somerville Post-office, postage	207 24
Somerville Journal Co., printing	64 00
Sampson & Murdock Co., directory	6 00
Thorpe's Express, expressing	1 35
Samuel Ward Co., stationery	36 22
F. S. Webster & Co., stationery	75
	<hr/>
	\$7,667 02
Service Transfers, from sundry accounts	2,082 68
	<hr/>
	\$5,584 34

Law Department.

CREDIT.

Appropriation	\$2,400 00
Excess and Deficiency account, balance transferred	20 71
	<hr/>
	\$2,379 29

DEBIT.

(Expenditures.)

Cash, paid Frank W. Kaan, salary as city solicitor	\$2,100 00	
disbursements	160 05	
James M. Harmon, salary as claim agent	100 00	
disbursements	3 00	
Addison C. Getchell & Son, printing	47 50	
Middlesex Co., printing	22 00	
	<hr/>	
	\$2,432 55	
Refund, costs in Raymond suit	53 26	
	<hr/>	
		<u>\$2,379 29</u>

City Messenger's Department.

CREDIT.

Appropriation	\$1,400 00
Excess and Deficiency account, balance transferred	79 31
	<hr/>
	\$1,479 31

DEBIT.

(Expenditures.)

Cash, paid Jairus Mann, salary as city messenger	\$142 24	
Fred E. Hanley, salary as city messenger	863 39	
disbursements	20 10	
D. J. Bennett, repairing harness	85	
H. A. Brownell, blanket, etc.	2 75	
J. H. Edwards, repairs	75	
Gray & Turner, bond	30 00	
Jameson Bros., board of horse	58 30	
J. A. Kiley, repairing buggy	55 40	
Morgan & Bond Co., repairing harness	17 11	
G. F. McKenna & Son, use of buggy	6 00	
New England Telephone & Telegraph Co., service	29 67	
Pearl Street Shoeing Forge, horseshoeing	7 40	
Somerville Journal Co., printing	2 25	
L. A. Wright, repairing	1 50	
	<hr/>	
	\$1,237 71	
Highways Maintenance account, board of horse	241 60	
	<hr/>	
		<u>\$1,479 31</u>

Engineering Department.

CREDIT.

Appropriation	\$11,500 00
Revenue account, amount transferred	68 00
	<hr/>
	\$11,568 00

DEBIT.

(Expenditures.)

Cash, paid Ernest W. Bailey, salary as city engineer	\$3,000 00
registration of automobile	7 50
committee expenses	18 75
Engineer's assistants	7,634 10
Engineer's assistants, car fares	200 45
American Express Co., expressing	1 13
N. A. Briggs, pencil pointer	4 50
Clinton E. Bray, maintenance of motor cycle	3 80
Charles E. Berry, repairing automobile	47 00
D. J. Bennett, repairing automobile	3 90
L. E. Clayton, cotton cloth	4 55
Davenport-Brown Co., stakes, etc.	19 63
E. W. Danforth, tires	50 75
Diamond Rubber Co., tire cases	211 03
Eyelet Tape Co., tape pins	2 50
J. H. Edwards, sharpening tools	75
Fisk Rubber Co., tire	23 14
Frost & Adams Co., paper	52 18
Gulf Refining Co., gasoline	1 38
Glines & Co., expressing	1 80
Thomas Groom & Co., office supplies	22 20
Gilman Express Co., expressing	40
Harvard Vulcanizing Co., repairing automobile	60 00
Hillman Auto Supply Mfg. Co., glass	9 75
Kee Lox Mfg. Co., typewriter ribbons	1 75
Ledder & Probst, ink	3 60
Library Bureau, cards	80
B. L. Makepeace, blue print paper	14 23
D. Mahoney, repairing rubber boots	7 90
Martin & Wood, batteries	1 00
New England Telephone & Telegraph Co., service	90 36
Pneumatic Hand Stamp Co., stamps	1 53
Smith-Premier Typewriter Co., carbon paper	1 20
Stromberg Motor Devices Co., repairing automobile	4 50
Somerville Post-office, postage	10 25
L. H. Truesdell & Co., signs	3 00
Underhill Hardware Co., office supplies	1 25
The Underhill Co., repairing automobile,	187 44
Samuel Ward Co., books and stationery,	16 04
Whitney & Snow, supplies	7 03
Western Electric Co., oscillating fan	15 91
F. S. Webster Co., cutters for sharpener,	75
Young & Small, pyro	1 20
	<hr/>
	\$11,750 93
Water Maintenance account, gasoline	147 07
	<hr/>
	\$11,898 00
Service Transfers, from Sewers Construction account	330 00
	<hr/>
	<u>\$11,568 00</u>

Public Buildings Department, Commissioner of Public Buildings.

CREDIT.	
Appropriation	\$4,500 00
Maintenance School Buildings account, amount transferred	100 00
	<hr/>
	\$4,400 00
Excess and Deficiency account, balance transferred	30 14
	<hr/>
	\$4,369 86

DEBIT.	
(Expenditures.)	
Cash, paid Walter T. Littlefield, salary as commissioner of public buildings	\$2,250 00
Florence Ham, assistant to commissioner of public buildings	646 16
Duncan C. Green, inspector of plumbing, A. R. Andrews, erasers, etc.	1,200 00
Hill-Michie Co., maintenance automobile	1 25
W. A. Greenough & Co., directory	9 90
Thomas Groom & Co., books and stationery	4 00
Alex. H. Irvin Co., staples	20 95
G. B. Lenfest, printing	30
Kee Lox, typewriter paper	27 00
B. L. Makepeace, drawing materials	4 45
New England Telephone & Telegraph Co., service	8 95
Somerville Post-office, postage	96 76
Somerville Journal Co., printing	4 60
Smith-Premier Typewriter Co., paper	58 75
Samuel Ward Co., stationery	8 55
Yawman & Erbe Mfg. Co., filing cards	11 14
	17 10
	<hr/>
	\$4,369 86

Public Buildings Department, Maintenance Municipal Buildings.

CREDIT.	
Appropriation	\$6,300 00
Excess and Deficiency account, balance transferred	168 10
	<hr/>
	\$6,468 10

DEBIT.	
(Expenditures.)	
Cash, paid janitors' salaries	\$2,435 35
Ashton Valve Co., fountain	3 60
George A. Ayer, plumbing	9 34
Brown, Howland Co., filing cabinet	10 00
James Bartley, soap, etc.	12 00
Arthur W. Berry, carpentering	455 33
Cambridge Gas Light Co., gas	13 55
Cambridge Ice Co., ice	20 40
Jackson Caldwell Co., carpets	553 68
Conant Bros. Co., mirror re-silvered	1 35
C. W. Cahalan, plumbing	45 68
	<hr/>
Amount carried forward	\$3,560 28

Amount brought forward	\$3,560 28	
James Duncan, repairing chair	12 50	
J. H. Edwards, cutting irons	3 05	
Edison Electric Illuminating Co., lighting	925 59	
F. C. Fuller & Co., hardware	3 06	
Fred W. Farrar, repairing clocks	10 50	
G. F. Gurney Co., sweeper	2 15	
Grimmons, Bailey-Weston Co., burlap, etc.	33 20	
J. J. Hurley & Co., valves	11 40	
S. D. Hicks & Son, repairing gutters	27 00	
James Harper & Co., repairing chair	3 00	
George T. Johnson Co., case paper	17 25	
Frank O. Johnson, plumbing	28 63	
John Kennedy, plastering	6 00	
Martin & Wood, keys, etc.	12 96	
Charles F. Mills, carpentering	54 20	
Robert Miller & Co., draping city hall	50 00	
J. Edward L. McLean, carpentering	129 74	
McKenney & Waterbury Co., electrical supplies	10 28	
Arthur T. McGilvrey & Co., electrical work	19 09	
Frank B. McGuinn, upholstering	93 00	
George W. Manning, labor on flag poles,	43 25	
New England Towel Supply Co., towels,	118 76	
N. D. B. Co., electrical work	25 45	
Newton & Dunbar, electrical work	3 59	
A. W. Phillips, plastering	27 38	
Pittsburg Plate Glass Co., glass	2 09	
W. E. Plumer & Co., hardware	5 12	
Pigeon-Fraser Hollow Spar Co., flag pole	75 00	
George L. Robinson, painting	33 11	
F. M. Rogers & Co., painting	247 00	
S. M. Spencer Mfg. Co., brass checks	4 89	
E. S. Sparrow & Co., hardware	14 60	
Daniel L. Shepard, mason work	232 45	
Underhill Hardware Co., hardware	7 65	
Frederick B. Witherly, grate	2 43	
Wellington-Wild Coal Co., fuel	534 20	
Window Appliance Mfg. Co., ventilators,	4 00	
Arthur W. Walker, repairing clocks	3 50	
F. S. Webster Co., cutters for pencil sharpener	75	
Whitney & Snow, hardware	5 40	
West Disinfecting Co., liquid soap	20 00	
Yawman & Erbe Mfg. Co., filing cards	44 60	
		<u>\$6,468 10</u>

Municipal Buildings, Vaults.

CREDIT.

Balance from 1911	\$2,800 00
Balance to credit of account, 1913	21 93
	<u>\$2,778 07</u>

DEBIT.

(Expenditures.)

Cash, paid C. Bowen, freight charge	\$ 25	
The General Fireproofing Co., installing vault fittings	2,633 07	
Martin & Wood, electrical work	59 75	
Mosley Safe Co., vault door	85 00	
		<u>\$2,778 07</u>

City Hall, Additional Accommodations.

CREDIT.

Balance from 1911	\$186 58	
Building Public Buildings account, amount transferred	36 58	
		<u>\$150 00</u>

DEBIT.

(Expenditures.)

Cash, paid Arthur W. Berry, on account of construction,	<u>\$150 00</u>
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Election Expenses, City Clerk.

CREDIT.

Appropriation	\$1,400 00	
Excess and Deficiency account, balance transferred	246 71	
		<u>\$1,646 71</u>

DEBIT.

(Expenditures.)

Cash, paid American Express Co., express- ing	\$1 00	
Boulevard Auto Co., car hire	155 00	
Boston Mailing Co., addressing	25 11	
The Carter's Ink Co., ink	6 00	
John Donnelly & Sons, posting	40 00	
Somerville Enterprise Publishing Co., advertising	93 63	
Gridley Lunch Co., lunch	4 76	
Glines & Co., expressing	40	
Gilman Express Co., expressing	50	
J. H. Kelley, repairing	80 00	
Henry S. Lombard, bags	7 00	
Wesley A. Maynard, advertising	171 38	
Oriental Tea Co., coffee	3 13	
Somerville Post-office, postage	139 93	
Somerville Journal Co., printing	593 93	
Samuel Ward Co., supplies	14 84	
Whitney & Snow, hardware	5 10	
	<u>\$1,341 71</u>	
City Clerk's Department, clerical work	305 00	
		<u>\$1,646 71</u>

Election Expenses, Registrars of Voters.

CREDIT.

Appropriation	\$2,300 00	
Excess and Deficiency account, balance transferred	122 62	
		<u>\$2,422 62</u>

DEBIT.

(Expenditures.)

Cash, paid Charles P. Lincoln, salary as registrar	\$200 00
Frederic W. Cook, salary as registrar	200 00
Douglass B. Foster, salary as registrar	200 00
Edwin D. Sibley, salary as registrar	200 00
Howard E. Wemyss, clerical services	71 00
Clinton E. Bray, clerical services	68 00
Frank B. Merrill, clerical services	6 00
Richard A. Keyes, clerical services	3 00
John H. Kelley, clerical services	56 00
Fred E. Warren, clerical services	56 00
Boulevard Auto Co., car hire	18 00
Robert Burlen, binding	4 75
John Donnelly & Son, posting	37 50
Thomas Groom & Co., books	47 00
Gridley's Lunch Co., lunch	8 00
Wesley A. Maynard, advertising	25 19
Pneumatic Hand Stamp Co., stamps	25
Somerville Post-office, postage	20 96
Somerville Journal Co., printing	569 70
Somerville Enterprise Co., advertising	61 75
Yawman & Erbe Mfg. Co., cards	6 85
	<hr/>
	\$1,859 95
City Clerk's Department, clerical work	562 67
	<hr/>
	<u>\$2,422 62</u>

Election Expenses, Pay of Election Officers.

CREDIT.

Excess and Deficiency account, amount transferred	\$1,400 00
Appropriation	2,512 00
	<hr/>
	\$3,912 00
Excess and Deficiency account, balance transferred	224 00
	<hr/>
	\$3,688 00

DEBIT.

(Expenditures.)

Cash, paid election officers	\$3,688 00
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	<u>\$3,688 00</u>

Election Expenses, Polling Places.

CREDIT.

Appropriation	\$700 00
Excess and Deficiency account, balance transferred	11 10
	<hr/>
	\$711 10

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries	\$94 86
F. C. Ayer, lumber	5 19
C. Bowen, moving voting booth	30 00
Davenport-Brown Co., wood	3 00
Edison Electric Illuminating Co., lighting	17 00
	<hr/>
Amount carried forward	\$150 05

Amount brought forward	\$150 05
Philip Eberle, use of hall	50 00
Chas. H. M. Hunnewell, plumbing	23 26
Percy A. Hall, rent of hall	10 00
T. E. Littlefield, lumber	12 39
J. Edward L. McLean, carpentering	15 45
G. F. McKenna & Son, teaming	167 00
Chas. F. Mills, carpentering	28 00
Newton & Dunbar, electric work	1 70
N. D. B. Co., electrical work	56 40
Arthur G. Pearson, use of hall	100 00
William A. Quigley, use of Day Street Church for election purposes	30 00
George L. Robinson, painting	1 01
E. S. Sparrow & Co., hardware	4 25
Underhill Hardware Co., padlocks	50
Western Electric Co., electrical supplies, Whitney & Snow, hardware	4 84 56 25
	\$711 10

PROTECTION OF LIFE AND PROPERTY.

Police.

CREDIT.

Appropriation	\$96,500 00
Interest account, amount transferred	2,000 00
Municipal Loan, amount appropriated	6,000 00
	\$104,500 00
Excess and Deficiency account, balance transferred	545 25
	\$103,954 75

DEBIT.

(Expenditures.)

Cash, paid Charles A. Kendall, chief	\$2,100 00
disbursements	82 29
Robert R. Perry, captain	1,575 00
Dennis Kelley, lieutenant	1,415 00
Eugene A. Carter, lieutenant	1,415 00
Charles E. Woodman, lieutenant	1,415 00
Edward McGarr, sergeant	1,239 35
George H. Carleton, sergeant	1,260 00
James M. Harmon, sergeant	1,293 60
John A. Ray, sergeant	1,296 60
Thomas Damery, inspector	1,186 88
Michael T. Kennedy, inspector	603 41
Patrolmen, salaries and extra duties	77,626 14
Drivers	2,803 38
Sundry persons, special patrolmen	457 50
Sundry persons, police duties at polling places	234 00
Retired, half pay:—	
Melville C. Parkhurst	1,000 00
George W. Bean	561 00
Ira S. Carleton	561 00
Amount carried forward	\$98,125 15

Amount brought forward	\$98,125 15
John E. Fuller	561 00
Herbert Hilton	589 05
William H. Johnston	185 85
James J. Pollard	561 00
Albion L. Staples	561 00
Minnie F. Woodland, matron	170 00
Auto List Publishing Co., subscription	10 00
American Towel Supply Co., towels	48 00
American Express Co., expressing	4 15
Allen Bros., badges	9 20
Henry Barrett, photographs	46 00
Bostonian Laundry Co., washing	24 69
Brown's Express, expressing	65
D. J. Bennett, harness repairing	15 60
Boulevard Auto Co., carriage hire	26 00
Henry F. Curtis, M.D., attending prisoners	2 00
Clarendon Stable, board of horse	31 56
Cotter's Express, expressing	1 35
Eugene A. Carter, disbursements	95 25
Jackson Caldwell & Co., use of saddle horses	24 00
George H. Carleton, committing prisoners, and disbursements	6 34
Edward J. Dailey, M.D., services	3 00
George E. Damon Co., supplies	25 65
Thomas Damery, disbursements	86 67
Elmer E. Drew, disbursements	4 58
Davenport-Brown Co., turning clubs	34 00
D. Evans & Co., buttons	32 00
Edward Edwards, supplies	3 80
Fresh Pond Ice Co., ice	10 48
Charles J. Fulton, charging storage batteries	50
Benjamin F. Freeman, finger prints	2 00
A. Ward Follett, M.D., services	5 00
Fred W. Farrar, repairing badges	1 25
Thomas Groom & Co., office supplies	27 30
Frank H. Graves, disbursements	18 15
W. A. Greenough & Co., directories	12 00
James M. Harmon, committing prisoners	2 10
George F. Hughes, M.D., services	6 00
George N. Holden, motor cycle	250 00
Hill-Michie Co., gasoline	32 24
James Harper & Co., repairing chair	1 00
Albert C. Hawes, disbursements	10 50
Iver Johnson Sporting Goods Co., equipment	91 12
Inman Hardware Store, sponges	1 80
Benjamin R. Jones, committing truants	2 20
Michael J. Kennedy, disbursements	30 69
Little, Brown & Co., law books	6 75
Lord & Webster, hay and straw	50 10
M. Linsky & Bro., caps, etc.	81 68
George W. Ladd, horseshoeing	4 00
Amount carried forward	\$101,934 40

Amount brought forward	\$101,934 40
E. Linegar & Co., re-charging tank	3 00
William H. Hitchings, veterinary services	2 00
Mary McEachern, meals for prisoners	34 25
Martin & Wood, keys	1 00
Morgan-Bond Co., felt	2 00
Thomas F. McNamara, disbursements	1 71
S. R. Masstrangialo, helmet	2 60
Frank L. Morse, automobile hire	10 00
New England Telephone & Telegraph Co., service	227 26
N. Y. Lubricating Oil Co., oil	23 75
Neostyle Co., stationery	2 00
George W. Norton, auto soap	1 00
Fulton O'Brion, grain	61 51
Proctor Bros., grain	23 90
Phelps Bros., hay	12 32
James E. Phillips, committing prisoner	3 62
Postal Telegraph Cable Co., telegram	2 78
Ira L. Roberts, horseshoeing	61 25
John B. Rufer, repairing	228 35
A. P. Rockwood, use of buggy	4 00
W. W. Reid, metal polish	2 00
Somerville Post-office, postage	14 00
The Frank Shepard Co., law book	4 00
Daniel G. Simons, committing prisoners, S. Slater & Sons, cloth	16 76
Stone & Forsyth, drinking cups	481 39
Somerville Journal Co., supplies	7 70
Charles R. Simpson, veterinary services, Shepard, Norwell Co., sheets and cases	30 50
Stoughton Rubber Co., blanket	22 50
R. M. Sturtevant, supplies	19 62
E. Teele & Co., repairing auto patrol	2 00
Nathan Tufts & Son, grain	35 65
Union Square Hotel, meals	16 85
Martin E. Vorce, stationery	12 10
Whitney & Snow, supplies	2 50
The White Company, automobile supplies	95
M. W. White, M.D., services	10 24
Samuel Ward Co., stationery	198 09
William H. Winship, repairing	2 00
	6 50
	5 00
	<hr/>
	\$103,533 05
Highways Maintenance account, board of horse, and shoeing	271 34
Water Maintenance account, gasoline	84 86
Fire Department, horse collar, and badges	106 00
City Clerk's Department, typewriter ribbons	2 00
	<hr/>
	\$103,997 25
Service Transfer, from Playgrounds Maintenance accounts	42 50
	<hr/>
	<u>\$103,954 75</u>

Public Buildings Department, Maintenance Police Building.

CREDIT.

Appropriation	\$2,700 00
Maintenance Fire Buildings account, amount transferred	700 00
	<hr/>
	\$3,400 00
Excess and Deficiency account, balance transferred	520 18
	<hr/>
	\$3,920 18

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries	\$1,300 25
F. C. Ayer, lumber	4 59
James Bartley, matches	20
Arthur W. Berry, carpentering	265 30
Cambridge Gas Light Co., gas	215 07
Jackson Caldwell & Co., furniture	27 50
P. E. Carrigan & Co., labor	3 60
Edison Electric Illuminating Co., lighting	337 32
Glines & Co., expressing	15
Arthur C. Gordon, setting glass	7 80
Wm. S. Howe, plumbing	7 70
Hub Range & Heating Co., grate	2 50
Ingalls & Kendricken, Inc., repairing radiator	1 00
E. S. Kearney Co., sawdust	25
John Kennedy, plastering	27 40
James Kenney, carpentering	9 84
Leavis & Doherty, plumbing	113 38
McKenney & Waterbury Co., electrical supplies	40 00
Martin & Wood, electrical work	85 31
J. Edward L. McLean, carpentering	542 68
Charles F. Mills, carpentering	4 00
P. W. Merrill Co., repairing screens	2 50
Pittsburgh Plate Glass Co., glass	4 54
W. E. Plumer & Co., hardware	4 60
George L. Robinson, painting	41 23
F. M. Rogers & Co., interior painting	163 00
Somerville Coal Co., fuel	58 00
Daniel L. Shepard, mason work	265 10
E. S. Sparrow & Co., hardware	90
Standard Charcoal Co., charcoal	6 00
Wellington-Wild Coal Co., fuel	363 21
Whitney & Snow, supplies	9 00
H. W. Waite & Co., dust layer	6 26
	<hr/>
	\$3,920 18 .
	<hr/>

Police Department, Additional Equipment.

CREDIT.

Balance from 1911	\$2,000 00
Balance to credit of account, 1913	285 00
	<hr/>
	\$1,715 00

DEBIT.

(Expenditures.)

Cash, paid The White Company, final payment on account of combination automobile patrol and ambulance	\$1,715 00
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Police Building, Vault.

CREDIT.

Balance from 1911	\$148 20
Building Public Buildings account, amount transferred	5 10
	<u>\$143 10</u>

DEBIT.

(Expenditures.)

Cash, paid Arthur W. Berry, on account of constructing vault	<u>\$143 10</u>
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Police Signal System.

CREDIT.

Appropriations, from Funded Debt, 1912	\$8,000 00
Balance to credit of account, 1913	7,842 26
	<u>\$157 74</u>

DEBIT.

(Expenditures.)

Cash, paid Electric Goods Mfg. Co., batteries	\$90 00
G. B. Lawrence Co., slate	40
New York Insulated Wire Co., wire	48 41
Western Electric Co., supplies	18 93
	<u>\$157 74</u>

Fire Department.

CREDIT.

Appropriation	\$93,000 00
Municipal Loan, amount appropriated	5,000 00
	<u>\$98,000 00</u>
Excess and Deficiency account, balance transferred	89 63
	<u>\$97,910 37</u>

DEBIT.

(Expenditures.)

Cash, paid Sewall M. Rich, salary as chief engineer	\$2,000 00
expenses	166 30
Edward W. Ring, assistant engineer	1,467 05
Joseph A. Cribby, assistant engineer	1,348 31
Joseph A. Cribby, call assistant, 1911	100 00
Permanent firemen and substitutes	69,301 49
Callmen:—	
Engine No. 4	1,387 23
Engine No. 6	395 70
Hose Co. No 2	799 00
Amount carried forward	<u>\$76,965 08</u>

Amount brought forward	\$76,965 08
Hose Co. No. 3	594 63
Hose Co. No. 5	200 00
Ladder Co. No. 1	1,379 04
Ladder Co. No. 2	1,574 52
Ladder Co. No. 3	1,000 00
Hose and Chemical No. 7	397 77
James R. Hopkins, pension	1,200 00
Charles H. Bridges, pension	100 00
Daniel R. Spike, pension	100 00
William J. Blaisdell, pension	100 00
John E. Hill, pension	100 00
Thomas J. Joy, pension	100 00
J. H. Edwards, horseshoeing	235 57
George W. Ladd, horseshoeing	107 35
E. E. Onley, horseshoeing	151 75
Ira L. Roberts, horseshoeing	131 10
John B. Rufer, horseshoeing	361 45
Harry Tobin, horseshoeing	45 60
J. H. Thompson, horseshoeing	67 40
I. B. Walker, horseshoeing	126 90
Auto Wind Shield Co., repairs	3 50
American Express Co., expressing	3 50
American-LaFrance Fire Engine Co., repairs	25 92
Andrews-Burr Paper Co., paper	5 50
George A. Ayer, brooms	46 75
Ame & Co., horse food	17 50
T. J. Anderson, painting	2 00
Andrews Paper Co., toilet paper	5 50
F. W. Barry-Beale & Co., stationery	54 80
Charles E. Berry, repairs	23 15
Boston Woven Hose & Rubber Co., hose	700 81
Bostonian Laundry Co., washing	198 25
H. A. Brownell, repairs	12 60
H. W. Bursaw, kerosene	99 05
A. & E. Burton, brushes	7 75
D. J. Bennett, repairing	9 05
James M. Berry, supplies	1 30
Braman, Dow & Co., glasses	6 27
Boston Coupling Co., repairs	3 15
Blount & Lovell, sprockets	16 67
Conant Bros. Co., glass	1 00
Chandler & Farquhar Co., supplies	135 42
F. E. Cheney & Co., supplies	20 20
Codman & Shurtleff, pump	3 00
Commonwealth Oil Co., soap	27 28
Joe Cotter, supplies	9 56
G. W. Cutter, medicine	1 50
Cornelius Callahan Co., lanterns	37 25
Cotter's Express, expressing	25
Cunningham Drug Co., supplies	1 80
Steam Gage & Valve Co., repairs	1 25
Commonwealth of Massachusetts, mops	14 00
Cambridge Ice Co., ice	31 85
Columbia Tire & Top Co., cover	14 00
Amount carried forward	<u>\$86,579 54</u>

Amount brought forward	\$86,579 54
Julian D'Este Co., repairing automobile, etc.	56 71
Davenport-Brown Co., lumber	28 75
Diamond Rubber Co., tire cases	85 50
Neils A. Dolleris & Son Co., repairing harness	75
Dodge Motor Vehicle Co., repairs	37 89
J. H. Edwards, repairs	37 08
Eastern Drug Co., acid	14 04
Fellows & Co., ladder, etc.	17 50
Firestone Tire & Rubber Co., tires	68 10
W. A. Fredericks, second automobile and magnets	376 50
F. E. Fitts Mfg. & Supply Co., waste and tray	17 48
Fresh Pond Ice Co., horse hire	117 49
Fenelon Pharmacy, medicine	50
George E. Grover, medicine	2 60
Gilman's Express Co., expressing	3 70
Glines & Co., expressing	26 54
E. A. Gillett & Sons, oak bent	75
Goodyear Tire & Rubber Co., repairing, W. A. Greenough & Co., directories	71 15
Heaney Mfg. Co., polish	16 00
Hill-Michie Co., automobile for chief, and supplies	45 00
William H. Hitchings, veterinary ser- vices	2,137 23
Jim Hodder, sheets, etc.	4 00
Harral Soap Co., soap powder	77 76
Hopkinson & Holden, cooler	12 00
S. D. Hicks & Son, supplies	4 75
Iver Johnson Sporting Goods Co., plugs	42 96
Henry S. Harris & Son, sharpening	7 15
A. A. Howard, polish	1 50
O. F. Kress & Co., brake, etc.	8 00
J. A. Kiley, iron, etc.	89 38
E. S. Kearney Co., sawdust	33 75
Lepusi, Clonney & Co., chamois	3 00
J. G. Lesure, V. S., medicine	57 82
Lord & Webster Co., hay and straw	30 00
Frank W. Leavitt, repairs	2,933 73
D. McDonald, repairs	59 60
A. S. Morss Co., handle, etc.	45 45
C. W. H. Moulton Co., shavings	2 36
Mathieson Alkali Works, soda	40 00
Mitchell Mfg. Co., badges	88 99
Morgan-Bond Co., supplies	14 90
Mystic Rubber Co., repairs	71 31
Martin & Wood, filing	17 45
Wesley A. Maynard, index cards	2 25
New England Telephone & Telegraph Co., service	42 25
George W. Norton, soap	141 73
Fulton O'Brion, oats and bran	52 25
Phelps Bros., grain	1,923 78
	536 72
Amount carried forward	<hr/> \$96,085 64

Amount brought forward	\$96,085 64
Proctor Bros. Grain Co., grain	1,031 78
John A. Pendergast, mops	12 00
The Prest-O-Lite Co., gas tanks	3 00
W. E. Plumer & Co., batteries, etc.	12 96
Fisher Keeler Rice, legal services	12 00
John B. Rufer, repairs	451 80
Renner's Express Co., expressing	15
Remington Typewriter Co., typewriter	69 50
Somerville Post-office, postage	5 00
Somerville Brush Co., sweeper	15 68
Charles R. Simpson, veterinary services	56 75
Sutherland & Co., oil	3 00
Somerville Journal Co., printing	29 10
Standard Oil Co., naphtha	192 15
Standard Range & Stove Co., gasket	65
Stewart & Salisbury, medicines	2 25
Thorpe's Express, expressing	1 00
Nathan Tufts & Son, grain	245 03
Underhill Hardware Co., supplies	21 23
U. S. Tire Co., tire	12 73
Vernon Street Garage, spring	1 72
West Disinfecting Co., disinfectant	112 05
Samuel Ward Co., books	6 50
Henry A. Wheeler & Co., bags	6 75
Whitney & Snow, hardware	17 60
Frederick B. Witherly, castings	4 44
Werner-Service Mfg. Co., renovator	2 50
L. A. Wright, repairing	12 00

\$98,426 96

Service Transfers, from sundry accounts 516 59

\$97,910 37

Public Buildings Department, Maintenance Fire Buildings.

CREDIT.

Appropriation	\$5,300 00
Maintenance Police Buildings account, amount transferred	700 00
	<hr/>
	\$4,600 00
Excess and Deficiency account, balance transferred	136 70
	<hr/>
	\$4,736 70

DEBIT.

(Expenditures.)

Cash, paid F. C. Ayer, lumber	\$109 99
John H. Adcock, plumbing	34 34
George A. Ayer, plumbing	25 13
Michael J. Bowdren, gardening	11 25
Cambridge Gas Light Co., gas	47 13
Charlestown Gas & Electric Co., gas	35 06
Cotter's Express, expressing	75
Jackson Caldwell & Co., shades, etc	90 55
C. W. Cahalan, plumbing	4 38
Carpenter-Morton Co., paints	12 00
P. E. Carrigan & Co., labor	3 60
	<hr/>
Amount carried forward	\$373 18

Amount brought forward	\$373 18
Davenport-Brown Co., wood	18 35
J. A. Durell, plumbing	2 60
Derby & Fish, repairing clock	1 00
Edison Electric Illuminating Co., light- ing	1,418 95
Clarence L. Egin & Co., repairing boiler	18 86
J. J. Fisher, plumbing	26 80
Fred W. Farrar, repairing clocks	13 00
A. C. Gordon, setting glass	4 05
Glines & Co., expressing	30
J. J. Hurley & Co., repairing heating apparatus	27 90
Charles H. M. Hunnewell, plumbing	24 53
Herbert L. Henderson, iron steps	160 00
William S. Howe, plumbing	2 50
T. E. Littlefield, lumber	5 59
John Lingard, setting glass	3 72
Charles McGrath, painting	112 00
C. J. Miers & Son, repairing roof	23 35
Martin & Wood, keys, etc.	5 40
Charles F. Mills, carpentering	243 40
George W. Manning, labor on flag poles, T. F. McGann & Sons Co., brass pipe	19 50
P. W. Merrill Co., painting screens	4 55
James W. O'Neil, plumbing	11 00
A. W. Phillips, mason work	75 72
Pittsburgh Plate Glass Co., glass	7 00
A. M. Pride, carpentering	6 33
W. E. Plumer & Co., hardware	33 15
Renner's Express, expressing	1 79
George L. Robinson, painting	15
John B. Rufer, bolts, etc.	120 56
Roberts Iron Works Co., supplies	27 50
W. A. Snow Iron Works, strainers	1 25
E. S. Sparrow & Co., hardware	1 50
Somerville Coal Co. fuel	31 49
Frederick B. Witherly, grates	536 50
Underhill Hardware Co., hardware	14 62
Whitney & Snow, hardware	3 90
Wellington-Wild Coal Co., fuel	80
John M. Woods & Co., lumber	1,200 37
Walker & Pratt Mfg. Co., grate	108 04
Arthur W. Walker, repairing block	50
L. A. Wright, bolts	2 00
Asahel Wheeler Co., paints	3 50
I. B. Walker, bolts, etc.	4 65
	3 85
	<hr/>
	\$4,736 70

Fire Station, Winter Hill.

	CREDIT.
Balance from 1911	\$5,000 00
Sewers Construction account, amount transferred	1,000 00
	<hr/>
	\$6,000 00
Building Public Buildings account, amount transferred	11 80
	<hr/>
Amount carried forward	\$5,988 20

Amount brought forward	\$5,988 20
Excess and Deficiency account, balance transferred	50 00
	<hr/>
	\$6,038 20

DEBIT.

(Expenditures.)

Cash, paid George W. Foster, land taken on Broadway	\$6,038 20
	<hr/>

Fire Department, Additional Equipment.

CREDIT.

Appropriations, from Funded Debt, 1912	\$6,000 00
Balance to credit of account, 1913	6,000 00
	<hr/>

Militia.

CREDIT.

Appropriation	\$500 00
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DEBIT.

(Expenditures.)

Cash, paid Company K, Eighth Regiment, rifle range expenses	\$250 00
Company M, Eighth Regiment, rifle range expenses	250 00
	<hr/>
	\$500 00
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Weights and Measures Department.

CREDIT.

Appropriation	\$2,400 00
Excess and Deficiency account, balance transferred	50 51
	<hr/>

\$2,450 51

DEBIT.

(Expenditures.)

Cash, paid John H. Dusseault, salary as sealer of weights and measures	\$1,100 00
disbursements	313 91
Benjamin S. Abbott, assistant sealer of weights and measures	900 00
Allen Bros., rubber stamp	1 25
Dennison Mfg. Co., labels and paste	3 65
Dunbar-Kerr Co., printing	15 00
Fairbanks Co., repairing scales	2 90
William & L. E. Gurley, dies and stamp	52 05
Glines & Co., expressing	70
W. A. Greenough & Co., directory	4 00
Wesley A. Maynard, advertising	4 00
New England Telephone & Telegraph Co., service	26 20
Somerville Enterprise Co., advertising	4 00
Somerville Journal Co., advertising	9 75
Thorpe's Express, expressing	30
R. Woodman Mfg. & Supply Co., brands,	11 20
Whitney & Snow, tools	1 60
	<hr/>
	\$2,450 51
	<hr/>

Electrical Department.

CREDIT.

Appropriation	\$8,750 00
Excess and Deficiency account, balance transferred	99 25
	<hr/>
	\$8,650 75

DEBIT.

(Expenditures.)

Cash, paid Walter I. Fuller, salary as commissioner of electric lines and lights	\$1,500 00
disbursements	41 51
Laborers	4,384 00
American Express Co., expressing	6 25
American Steel & Wire Co., wire	64 76
Allen Bros., rubber stamp	2 50
Beatty Zinc Works Co., battery zincs	67 50
Boston & Maine Railroad, freight	1 79
R. W. L. Barron, switch	20 00
D. J. Bennett, supplies for auto	1 75
Boston Tire & Rubber Co., repairing tire	1 25
Boulevard Auto Co., auto hire	13 50
Boston Tavern, lunches	6 75
Clifton Mfg. Co., tape	15 05
Chandler & Farquhar Co., tools	66 40
Joe Cotter, shafts, etc.	6 65
S. H. Couch Co., repairing keys	44 41
Chadwick-Boston Lead Co., solder	6 00
Davenport-Brown Co., lumber	5 87
American Dyewood Co., vitriol	62 04
Dodge Mfg. Co., shafting	10 73
Electric Goods Mfg. Co., gongs	3 75
Fred W. Farrar, repairing clock	2 00
Gamewell Fire Alarm Telegraph Co., supplies	869 42
Glines Express Co., expressing	10 57
Gilman Express Co., expressing	3 45
George E. Gilchrist Co., clips	2 38
Hill-Michie Co., gasoline	32 66
Harrington, King & Co., rope	12 18
Jenney Mfg. Co., oil	5 20
H. W. Johns-Manville Co., supplies	31 83
George W. Ladd, bolts	70
T. E. Littlefield, lumber	1 65
Wesley A. Maynard, advertising	13 00
New England Telephone & Telegraph Co., service	75 94
Perham's Express, expressing	1 00
W. E. Plumer & Co., supplies	70 11
Pettingell-Andrews Co., supplies	11 00
Charles E. Perry & Co., paper	33 39
John B. Rufer, painting, etc.	30 55
Renner's Express, expressing	1 25
Russell & Co., soap	1 39
Studebaker Corp., automobile and equipment	758 35
Somerville Journal Co., printing	11 75
	<hr/>
Amount carried forward	\$8,312 23

Amount brought forward	\$8,312 23	
Thorpe's Express, expressing	11 40	
Underhill Hardware Co., supplies	1 75	
Western Electric Co., supplies	139 92	
Whitney & Snow, hardware	4 00	
Samuel Ward Co., books	6 50	
Wagner Electric Mfg. Co., pulley	1 35	
Wetherbee Bros., tires, etc.	45 10	
Asahel Wheeler Co., enamel	26 40	
Waterbury Battery Co., zincs	3 25	
	<hr/>	
	\$8,551 90	
Fire Department account, care of horse	196 48	
	<hr/>	
	\$8,748 38	
Service Transfers, from Underground Construction account	97 63	
	<hr/>	
		<u>\$8,650 75</u>

Electrical Department, Underground Construction.

CREDIT.

Balance from 1911	\$1,077 37
Appropriations, from Funded Debt, 1912	3,000 00
	<hr/>
	\$4,077 37
Balance to credit of account, 1913	1,341 35
	<hr/>
	\$2,736 02

DEBIT.

(Expenditures.)

Cash, paid laborers	\$852 00
Barbour, Stockwell Co., castings	97 50
Gamewell Fire Alarm Telegraph Co., supplies	130 00
New York Insulated Wire Co., wire	1,544 60
Western Electric Co., supplies	3 79
Youlden, Smith, & Hopkins, teaming	10 50
	<hr/>
	\$2,638 39
Electrical Department account, materials	97 63
	<hr/>
	<u>\$2,736 02</u>

FORESTRY.

Gypsy and Brown-Tail Moth Extermination.

CREDIT.

Appropriation	\$2,500 00
Excess and Deficiency account, balance transferred	154 53
	<hr/>
	\$2,345 47

DEBIT.

(Expenditures.)

Cash, paid laborers	\$2,093 27
Barrett Mfg. Co., creosote	8 33
	<hr/>
Amount carried forward	\$2,101 60

Amount brought forward	\$2,101 60	
Frost Insecticide Co., arsenate lead	60 00	
Jeanette Hutchins, clerical services	33 33	
A. C. Libby & Sons, index	70	
Somerville Journal Co., printing notices,	35 00	
Underhill Hardware Co., supplies	2 35	
Samuel Ward Co., book	9 75	
		<hr/>
	\$2,242 73	
Highways Maintenance account, use of city teams and materials	102 74	
		<hr/>
		\$2,345 47

Elm-Leaf Beetle Extermination.

CREDIT.

Appropriation	\$750 00
Excess and Deficiency account, balance transferred	52 88
	<hr/>
	\$697 12

DEBIT.

(Expenditures.)

Cash, paid laborers	\$313 58
Boston Coupling Co., spray pipe	5 00
W. M. Farwell, couplings	15 00
Frost Insecticide Co., arsenate of lead	270 00
Fitzhenry, Guptill Co., hose and packing,	1 98
Wesley A. Maynard, signs	4 00
The Alden Speare's Sons Co., oil	3 00
Underhill Hardware Co., tacks and wire,	2 40
	<hr/>
	\$614 96
Highways Maintenance account, use of teams	61 60
Water Maintenance account, gasoline	20 56
	<hr/>
	\$697 12

Care of Trees.

CREDIT.

Appropriation	\$3,000 00
Highways Maintenance account, balance transferred	401 80
	<hr/>
	\$2,598 20

DEBIT.

(Expenditures.)

Cash, paid laborers	\$1,812 29
F. C. Ayer, lumber	17 64
E. S. Sparrow & Co., putty	30
Underhill Hardware Co., hardware	138 20
Whitney & Snow, hooks and wire	31
	<hr/>
	\$1,968 74
Highways Maintenance account, use of city teams and roller	628 88
Paved Gutters and Crossings, paving blocks,	58
	<hr/>
	\$2,598 20

HEALTH AND SANITATION.

HEALTH.

Health Department.

CREDIT.

Appropriation	\$9,800 00
Municipal Loan, amount appropriated	2,000 00
	<hr/>
	\$11,800 00
Excess and Deficiency account, balance transferred	1,009 14
	<hr/>
	\$10,790 86

DEBIT.

(Expenditures.)

Cash, paid Caleb A. Page, salary as agent	\$1,500 00
Sundry persons, burying dead animals	106 00
Frank L. Morse, M.D., salary as medical inspector	1,600 00
visits to dangerous cases	71 15
George H. Galpin, salary as clerk	191 10
Laurence S. Howard, salary as clerk	950 83
American Express Co., expressing	7 20
Town of Arlington, care of patients	315 43
Town of Attleboro, care of patients	116 50
City of Boston, care of patients	1,550 71
D. J. Bennett, harness repairs	5 50
Brown, Howland Co., cards	17 48
City of Cambridge, care of patients	732 35
Cambridge Ice Co., ice	40 60
Thomas Callahan & Co., printing	1 50
DePree Chemical Co., fumigators	115 20
Edward E. Edwards, delivering cultures, Charles F. Giles, groceries	102 00
Gilman Express Co., expressing	30
W. A. Greenough & Co., directory	4 00
Thomas Groom & Co., book	2 25
C. H. Goldthwaite, supplies	24 89
E. F. Hodgdon Co., portable cottage	260 50
City of Everett, care of patients	324 76
Percy A. Hall, delivering cultures	4 10
International Inst. Co., sundries	2 55
Library Bureau, index guides	5 85
Wesley A. Maynard, notices	10 00
City of Medford, use of pest house, and care of patients	163 00
Commonwealth of Massachusetts, care of patients	505 46
New England Telephone & Telegraph Co., service	127 88
North Reading Sanitarium, care of patients	564 58
Pneumatic Hand Stamp Co., dater	6 50
Henry W. Perry, delivering cultures	4 00
Remington Typewriter Co., ribbons	1 50
Ira L. Roberts, horseshoeing	33 50
	<hr/>
Amount carried forward	\$9,474 67

Amount brought forward	\$9,474 67
Rutland Sanitarium, care of patients	533 62
A. P. Rockwood, board of horse, and storage	388 75
Somerville Journal Co., printing	78 95
Smith-Premier Typewriter Co., paper, etc.	8 00
R. C. Small, wagon repairs	28 15
R. M. Sturtevant, groceries, and use of caravan	105 00
Somerville Post-office, postage	49 43
R. F. Stephenson, care of patient	34 00
City of Springfield, care of patient	10 14
Sidebottom Bros., printing	1 25
F. H. Thomas Co., tongue depressors	9 00
Samuel Ward Co., stationery	32 95
George W. Wood, groceries	2 00
Whitney & Snow, hardware	1 10
Westfield Sanitarium, care of patients	52 00

\$10,809 01

Support of Poor, Miscellaneous account, care of patients	6 10
City Clerk's Department account, typewriter ribbons	3 01

\$10,818 12

Service Transfer, from Contagious and Tuberculosis Hospital account	14 40
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\$10,803 72

Refund, Commonwealth of Massachusetts, bill paid twice	12 86
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\$10,790 86

Inspection of Animals and Provisions.

CREDIT.

Appropriation	\$1,250 00
Excess and Deficiency account, balance transferred	4 81

\$1,254 81

DEBIT.

(Expenditures.)

Cash, paid Charles M. Berry, salary as inspector of animals and provisions	\$1,200 00
Wesley A. Maynard, cards	2 50
New England Telephone & Telegraph Co., service	26 31
Somerville Journal Co., printing	26 00

\$1,254 81

Inspection of Milk and Vinegar.

CREDIT.

Appropriation	\$1,700 00
Excess and Deficiency account, balance transferred	86 56

\$1,786 56

DEBIT.

(Expenditures.)

Cash, paid Herbert E. Bowman, salary as inspector of milk and vinegar	\$1,300 00	
disbursements	181 56	
automobile supplies	136 29	
Dennison Mfg. Co., labels	41	
J. R. Fallon, milk agar	5 00	
Gilman Express Co., expressing	15	
George E. Grover, filters	1 25	
International Instrument Co., supplies	14 10	
Thomas C. Kelley & Co., repairing generator	12 00	
Lorenz Model Co., tester	13 06	
Mass. Agricultural Experiment Station, Babcock certificate, and expense	3 75	
Mass. State Prison, bag	4 50	
H. W. Perry, supplies	2 80	
Somerville Journal Co., printing	36 25	
Somerville Post-office, postage	21 12	
F. H. Thomas Co., cautery set	1 35	
Whitall, Tatum Co., supplies	2 38	
	<hr/>	
	\$1,735 97	
Water Maintenance account, gasoline	50 59	
	<hr/>	
		<u>\$1,786 56</u>

Inspection of School Children.

CREDIT.

Appropriation	\$1,550 00
Excess and Deficiency account, balance transferred	19 15
	<hr/>
	\$1,530 85

DEBIT.

(Expenditures.)

Cash, paid W. L. Bond, medical inspection	\$200 00	
Herbert Cholerton, medical inspection	200 00	
Edward J. Dailey, medical inspection	200 00	
Robert F. Gibson, medical inspection	200 00	
Loring H. Raymond, medical inspection, Francis Shaw, medical inspection	200 00	
H. M. Stoodley, medical inspection	200 00	
Michael W. White, medical inspection	100 00	
Hooper, Lewis & Co., index cards	16 60	
Wesley A. Maynard, printing	14 25	
	<hr/>	
		<u>\$1,530 85</u>

City Clerk's Department, Vital Statistics.

Appropriation	\$2,250 00
City Clerk's Department account, amount transferred	50 00
	<hr/>
	\$2,300 00
Excess and Deficiency account, balance transferred	5 58
	<hr/>
	\$2,305 58

DEBIT.

(Expenditures.)

Cash, paid Brown, Howland & Co., cards	\$7 49
Carter's Ink Co., carbon paper	5 18
George I. Canfield, canvassing births	40 10
Clara Z. Elliot, canvassing births	16 50
Annie M. Gilcrease, canvassing births	73 80
Glines Express Co., expressing	15
McGrath & Woodley, slips	22 50
Wesley A. Maynard, printing	77 00
Macey-Stetson-Morris Co., cards	24 50
George E. Pimpton, canvassing	37 60
Sundry persons, reporting births	416 00
Sundry persons, reporting deaths	136 00
Somerville Journal Co., printing	52 10
Leonard C. Spinney, canvassing	37 90
Somerville Post-office, postage	72 48
Elisabeth S. Webster, canvassing	13 00
Mary C. Webster, canvassing	7 20
Wright & Potter Printing Co., printing	2 75
Samuel Ward Co., supplies	44 33
Yawman & Erbe Mfg. Co., cards	9 00

\$1,095 58

City Clerk's Department account, clerical work	1,210 00
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\$2,305 58**Contagious and Tuberculosis Hospital.**

CREDIT.

Appropriation	\$12,000 00
Revenue account, amount appropriated	2,000 00
Excess and Deficiency account, amount transferred	982 37

\$14,982 37

Excess and Deficiency account, balance transferred	1,069 91
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\$16,052 28

DEBIT.

(Expenditures.)

Cash, paid Edith M. Grant, matron	\$1,000 00
incidental expenses	150 00
Nurses and assistants	6,863 14
Charles R. C. Borden, M.D., operations	150 00
Robert Burlen, binding	3 00
Joseph Breck & Sons, fertilizer	3 00
Cambridge Ice Co., ice	160 91
City Home, milk	239 99
S. H. Couch Co., repairing telephone	4 40
W. S. Furbush, supplies	275 15
Fleischmann Co., yeast	9 60
Globe-Wernicke Co., index cards	11 20
General Baking Co., bread	10 48
G. F. Gurney Co., supplies	15 40
C. H. Goldthwaite & Co., depressors	1 25
F. J. Hopkins, fish	196 31

Amount carried forward \$9,093 83

Amount brought forward	\$9,093 83
Martin L. Hall Co., tea and coffee	125 40
Hopkins & Holden, supplies	11 50
J. W. Howard, gardening	19 80
Hobbs & Warren, blanks	2 00
I. N. Holman, repairing	1 25
George T. Johnson, toilet paper	16 50
Jones, McDuffee & Stratton, dishes	14 89
Lewis Mfg. Co., gauze, etc.	17 47
Wm. Leavens Co., costumers	8 10
Jordan Marsh Co., supplies	282 69
Mitchell Wing Co., hoops, nets, etc.	42 71
Miley Soap Co., soap	17 50
National Biscuit Co., biscuits	63 85
New England Telephone & Telegraph Co., service	66 32
S. S. Pierce Co., sherry	12 45
Paine Furniture Co., chairs	48 00
Red Star Thermometer Co., thermom- eters	9 20
P. L. Rider, water bottles	36 75
Richardson, Wright & Co., repairing	21 25
Sidebottom Bros., printing	2 50
C. L. Stevens, groceries	3,862 10
W. C. Stickle, papers	6 23
Somerville Journal Co., printing	22 75
Sampson-Soch Co., supplies	19 96
Sampson & Murdock, directory	6 00
Stone & Forsyth, bags	87 25
A. N. Swallow & Co., groceries	628 34
E. S. Sparrow & Co., hardware	17 39
Smith Patterson Co., clock	4 50
Strong, Marson Co., meat	121 27
A. S. Tyler, milk	1,087 80
A. E. Thompson, brushes	3 00
West Disinfecting Co., disinfectant	4 50
Wm. J. Wiley, wire	1 12
Samuel Ward Co., supplies	11 50
Washburn, Crosby Co., flour	156 25
Wilson, Larrabee Co., dry goods	83 96

\$16,037 88

Health Department account, fumigators 14 40

\$16,052 28

**Public Buildings Department, Maintenance Contagious
and Tuberculosis Hospital.**

CREDIT.

Appropriation	\$3,500 00
Excess and Deficiency account, balance transferred	20 59
	<hr/>
	\$3,520 59

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries	\$824 29
M. P. Beyer, repairing flatiron	3 00
	<hr/>
Amount carried forward	\$827 29

Amount brought forward	\$827 29	
H. W. Bursaw, oil	90	
Benjamin's Express, expressing	15	
Cambridge Gas Light Co., gas	114 80	
Jackson Caldwell & Co., shades	3 90	
H. N. Dearborn, setting glass	1 60	
Davenport-Brown Co., wood	2 60	
J. H. Edwards, repairing	2 85	
Edison Electric Illuminating Co., light- ing	845 70	
W. J. Fermoyle, waxing floors	47 00	
Glines & Co., expressing	15	
The Grant Nail & Supply Co., pulley	4 30	
J. J. Hurley & Co., repairing heater	26 69	
Knight & Thomas, fire extinguishers	42 00	
E. H. Mendell, hardware	2 05	
Pittsburgh Plate Glass Co., glass	3 53	
Pierce, Butler & Pierce Mfg. Co., grate, A. M. Pride, painting, and building fence	379 70	
George L. Robinson, painting	18 69	
F. W. Smith Co., plumbing	3 45	
E. S. Sparrow & Co., hardware	10 60	
P. Sutherland & Co., oil	60	
Daniel Sullivan, oil	2 75	
Wellington-Wild Coal Co., fuel	1,070 90	
Wm. J. Wiley, plumbing and repairing	106 39	
		<u>\$3,520 59</u>

SANITATION.**Sewers Construction.**

CREDIT.

Balance from 1911		\$6,009 76
Appropriations, from Funded Debt, 1912		15,000 00
		<u>\$21,009 76</u>
Reduced by the following transfers:—		
Fire Station, Winter Hill account	\$1,000 00	
Sidewalks Construction account	1,000 00	
		<u>2,000 00</u>
		\$19,009 76
Sewer Assessments account, assessments levied	\$3,669 52	
Less abatements	828 80	
		<u>7,840 72</u>
Cash, received of George G. Brayley, sewer entrance fee, 130 74		<u>\$26,981 22</u>
Balance to credit of account, 1912		12 23
		<u>\$26,968 99</u>

DEBIT.

(Expenditures.)

Cash, paid laborers	\$3,977 57
Charles E. Berry, manhole covers, etc.	10 25
	<u>\$3,987 82</u>
Amount carried forward	\$3,987 82

Amount brought forward	\$3,987 82
Boston & Maine Railroad, freight	1 52
Edwin O. Childs, recording sewer re- leases	19 60
Eastern Clay Goods Co., cement	524 40
J. H. Edwards, steps	36 15
Harrington, King & Co., rope	8 52
Highland Coal Co., lime	2 50
Mary A. and Hugh Mulligan, settle- ment	25 00
New England Brick Co., bricks	7 20
Parry Brick Co., bricks	239 05
Portland Stone Ware Co., pipe	2,881 41
Joseph H. Perry, use of automobile	13 00
J. Silk Co., sand	3 50
Margaret A. Simpson, sand	22 00
Simpson Bros. Corporation, repairing pavement	69 75
James Tevlin, teaming	1,758 25
Union Clay Products Co., cement	25 16
Warren Bros. Co., repairing pavement	6 40
Frederick B. Witherly, traps and grates, Waldo Bros., drain pipe	818 39
Samuel Ward Co., ledger and day book, Bartholomew Burke, constructing sewers:—	8 25
Hillside and Sunset roads	797 48
Wisconsin avenue	480 10
Maurice Buttimer, constructing sewers:—	
Cady avenue and Corinthian road	321 29
Dennis I. Crimmings, constructing sewers:—	
Broadway:—	
Sewer	4,107 04
Drain	252 25
Mystic avenue:—	
Sewer	1,325 62
Drain	207 00
Rhode Island avenue	282 25
Cross Street and Pennsylvania avenue, Illinois avenue:—	706 80
Sewer	266 16
Drain	98 40
Indiana avenue:—	
Sewer	237 77
Drain	88 20
Michigan avenue:—	
Sewer	306 20
Drain	106 20
Minnesota avenue:—	
Sewer	354 12
Drain	117 40
Connecticut avenue:—	
Sewer	14 80
Drain	1,955 00
Osgood street	680 90
Amount carried forward	<u>\$23,349 63</u>

Amount brought forward	\$23,349 63	
Cross street:—		
Sewer	27 22	
Drain	33 88	
Pennsylvania avenue:—		
Sewer	121 25	
Drain	33 00	
Timothy F. Crimmings, constructing sewers:—		
Steeves circle	135 44	
Barton street	267 82	
Charles A. Kefley, constructing sewers:—		
Clarendon avenue	650 00	
Mystic avenue	1,282 30	
		<hr/>
	\$25,900 54	
Sewers Maintenance account, constructing drains	810 00	
Water Maintenance account, iron pipe	12 52	
Sidewalks Construction account, repairing sidewalk	4 20	
Highways Construction account, repairing sidewalk	17 07	
Engineering Department account, plans and inspection	330 00	
		<hr/>
	\$27,074 33	
Service Transfer, from Sidewalks Construc- tion	11 83	
		<hr/>
	\$27,062 50	
Refund, Eastern Clay Goods Co., bags returned	93 51	
		<hr/>
		<u>\$26,968 99</u>

Sewers Maintenance.

CREDIT.

Appropriation	\$13,000 00
Excess and Deficiency account, balance transferred	03
	<hr/>
	\$12,999 97

DEBIT.

(Expenditures.)

Cash, paid laborers	\$7,893 37
American Express Co., expressing	50
Clinton E. Bray, maintenance of motor cycle	22 75
Ernest W. Bailey, registration of auto- mobile	7 50
Boston Coupling Co., hose	29 60
Charles E. Berry, repairing sewers	119 91
Boston & Maine Railroad, freight	4 02
Cornelius Callahan Co., couplings	6 63
Consolidated Rendering Co., salt	8 00
E. W. Danforth, disbursements	32 75
Davenport-Brown Co., spruce	38
Diamond Rubber Co., inner tubes	9 94
P. F. Donnelly, bags	2 50
	<hr/>
Amount carried forward	\$8,137 85

Amount brought forward	\$8,137 85	
J. H. Edwards, sharpening picks	3 00	
Edson Mfg. Co., diaphragms	5 40	
Fred W. Farrar, repairing sewer clock	3 00	
Glines & Co., expressing	15	
Gulf Refining Co., kerosene	16 00	
Thomas Groom & Co., books	33 50	
Hemeon Bros., carpentering	254 17	
Howard Vulcanizing Co., repairing auto- mobile	27 10	
Wm. S. Howe, plungers	3 25	
George Latimer, cylinder oil	10 30	
D. Mahoney, repairing rubber boots	14 70	
George W. Manning, work on flagstaff	11 25	
Martin & Wood, batteries	5 40	
Frank L. Morse, oil	4 00	
M. Norton & Co., fire hose	37 50	
New England Brick Co., bricks	11 52	
New England Telephone & Telegraph Co., service	28 76	
Harry M. O'Brien, tire	27 00	
W. E. Plumer & Co., brooms	9 35	
Parry Brick Co., bricks	43 40	
The Alden Speare's Sons Co., oil and waste	22 34	
James Tevlin, teaming	4,855 28	
The Underhill Co., repairing automobile. M. L. Vinal, blank books	158 45	
Whitney & Snow, hardware	50	
I. B. Walker, ice bars, and sharpening	60 16	
Waldo Bros., drain pipe	18 70	
Windsor Cement Co., cement	1 59	
Frederick B. Witherly, trap	50	
Samuel Ward Co., ledger and day book, Young & Small, alcohol	2 50	
	8 25	
	1 80	
	<hr/>	
	\$13,816 67	
Water Maintenance account, repairing leak, Fire Department account, hose and coup- lings	8 59	
	<hr/>	
	39 11	
	<hr/>	
Service Transfers, from sundry accounts		\$13,864 37
		864 40
		<hr/>
		\$12,999 97
		<hr/>

Public Buildings Department, Maintenance Sewer Buildings.

CREDIT.

Appropriation	\$100 00
Excess and Deficiency account, balance transferred	21 51
	<hr/>
	\$121 51

DEBIT.

(Expenditures.)

Cash, paid J. Edward L. McLean, carpenter- ing	\$9 90
Charles F. Mills, carpentering	16 00
	<hr/>
Amount carried forward	\$25 90

Amount brought forward	\$25 90	
W. E. Plumer & Co., hardware	28	
A. W. Phillips, stone work	37 25	
George L. Robinson, painting	50	
Somerville Coal Co., fuel	11 60	
Wellington-Wild Coal Co., fuel	5 98	
		<hr/>
	\$81 51	
Sewers Maintenance account, part cost of material for repairing building in yard	40 00	
		<hr/>
		<u>\$121 51</u>

Refuse Disposal.

CREDIT.		
Appropriation		\$73,000 00
Street Sprinkling account, amount trans- ferred	\$3,000 00	
Highways Maintenance account, amount transferred	3,563 72	
		<hr/>
		6,563 72
		<hr/>
		\$79,563 72
Excess and Deficiency account, balance transferred		316 39
		<hr/>
		\$79,880 11

DEBIT.		
(Expenditures.)		
Cash, paid Edgar T. Mayhew, salary as superintendent	\$1,400 00	
Laborers	62,794 33	
Asa B. Prichard, registration of auto- mobile truck	2 50	
F. C. Ayer, lumber	32 97	
Anderson & Anderson, garbage pails	27 00	
Archibald Wheel Co., repairing wheels	11 19	
D. J. Bennett, harness work	120 20	
James I. Brooks, horse	275 00	
Boston Woven Hose & Rubber Co., hose, etc.	22 03	
Harold L. Bond Co., rope	38 42	
C. C. Cunningham, wrenches	4 50	
Burbank & Ryder Varnish Co., varnish	31 95	
Cotter's Express, expressing	15	
E. F. Caldwell, teaming	135 00	
G. S. Cheney Co., sundries	13 16	
Davenport-Brown Co., sawing, etc.	2 13	
K. W. Doe, labor and material	10 44	
Dodge-Haley Co., iron and steel	10 71	
J. H. Edwards, shoeing	17 00	
F. C. Fuller & Co., lead	8 00	
Glines & Co., expressing	45	
Thomas Groom & Co., blanks	14 50	
Arthur C. Harvey Co., metal	345 08	
William H. Hitchings, services	4 00	
William T. Kilmartin, teaming	250 00	
		<hr/>
Amount carried forward	\$65,570 71	

Amount brought forward	\$65,570 71
William Kirkland, teaming	90 00
George W. Ladd, shoeing	22 00
J. Loring & Co., horse feed	25 50
A. C. Libby & Sons, stationery	15 80
Lord & Webster, hay and straw	2,720 20
Patrick Lally & Sons, screw for wagon	45 00
George McDormand, shoeing	46 75
Mass. Highway Commission, registra- tion	5 00
Morgan & Bond, saddlery hardware	282 36
Wesley A. Maynard, cards	71 25
New England Telephone & Telegraph Co., service	31 90
Fulton O'Brion, grain	2,991 74
C. L. O'Neil, tip carts	215 00
W. E. Plumer & Co., brooms, etc.	6 75
Perrin, Seamans & Co., hooks, etc.	17 05
Proctor Bros. Grain Co., grain	1,216 11
Phelps Bros., grain	802 70
Rogers Bros., welding compound	1 00
Reed Bros. & Sawin, use of dump	600 00
Frank Richardson, shoeing	36 00
Stickney & Poor Spice Co., ginger	2 00
Somerville Journal Co., printing	7 50
Alden Speare's Sons Co., oil and grease, E. S. Sparrow & Co., hardware	5 00
C. Savord, teaming	24 47
Charles R. Simpson, veterinary services	20 00
Suburban Coal Co., teaming	181 33
Sulpho-Naphthol Co., milkol	85 00
Scott & Tinglof, buggy shaft	5 00
J. H. Thompson, teaming	1 25
Estate of William Tidd, repairing	347 00
Teel Mfg. Co., gasoline	50
Nathan Tufts & Son, grain	75
Underhill Hardware Co., ash barrels, etc.	429 32
Winchester Tar Disinfectant Co., dis- infectant	10 83
I. B. Walker, cart, and repairing	13 00
John Wilson, teaming	281 40
Samuel Ward Co., account books	155 00
A. M. Wood Co., repairing	8 80
L. A. Wright, repairing	111 78
Whitney & Snow, hardware	26 00
Waldo Bros., clay	23 25
	1 48

\$76,553 53

Highways Maintenance account, teaming 3,301 08
Water Maintenance account, gasoline 25 50

\$79,880 11

Refuse Disposal, New Equipment.

CREDIT.

Appropriations, from Funded Debt, 1912 \$5,000 00
Balance to credit of account, 1913 50 00

\$4,950 00

DEBIT.		
(Expenditures.)		
Cash, paid Shadbolt Mfg. Co., three ash trucks		\$1,275 00
Teel Mfg. Co., Inc., ash truck		3,675 00
		<hr/>
		\$4,950 00

Public Buildings Department, Maintenance Refuse Buildings.

CREDIT.		
Appropriation		\$900 00
Excess and Deficiency account, balance transferred		62 18
		<hr/>
		\$962 18

DEBIT.		
(Expenditures.)		
Cash, paid C. W. Cahalan, plumbing		\$32 69
Edison Electric Illuminating Co., lighting		214 63
T. E. Littlefield, lumber		11 20
Charles F. Mills, carpentering		70 20
Pittsburgh Plate Glass Co., glass		3 80
E. S. Sparrow & Co., hardware		10 70
Somerville Coal Co., fuel		81 20
Turner Asbestos Co., pipe covering		45 00
H. G. White Co., electrical work		52 00
John M. Woods & Co., lumber		38 04
Walsh Bros., re-building furnace		402 72
		<hr/>
		\$962 18

Incinerator Building.

CREDIT.		
Balance from 1911		\$121 11
William H. Hodgkins School Addition account, amount transferred		474 96
		<hr/>
		\$596 07

DEBIT.		
(Expenditures.)		
Cash, paid C. W. Cahalan, roofing and plumbing		\$66 96
J. E. L. McLean, carpenter work		251 96
Walsh Bros., iron work		277 15
		<hr/>
		\$596 07

Highways, Street Cleaning.

CREDIT.		
Appropriation		\$23,000 00
Highways Maintenance account, amount transferred		2,062 21
		<hr/>
		\$20,937 79

DEBIT.		
(Expenditures.)		
Cash, paid laborers		\$16,230 92
Teaming, hired teams		991 25
		<hr/>
Amount carried forward		\$17,222 17

Amount brought forward	\$17,222 17
American Broom Co., refilling broom	53 90
Charles E. Berry, repairing	50
Edison Mfg. Co., chain links	19 05
John A. Pendergast, push brooms	23 50
W. E. Plumer & Co., supplies	38 25

\$17,357 47

Highways Maintenance account, use of city teams	3,580 32
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\$20,937 79

HIGHWAYS.

Highways Construction.

CREDIT.

Balance from 1911		\$1,733 54
Appropriations, from Funded Debt, 1912		50,000 00
Highway Betterment Assessments account:—		
Assessments levied	\$5,923 91	
Less abatements	115 00	

5,808 91

\$57,542 45

Balance to credit of account, 1913		2,857 84
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\$54,684 61

DEBIT.

(Expenditures.)

Cash, paid laborers	\$9,118 07
Teaming, hired teams	2,665 00
Barrett Mfg. Co., tarvia	9,683 94
Coleman Bros., crushed stone	8,745 91
Edwin O. Childs, recording takings	33 47
C. W. Dolloff & Co., paving:—	
South street	6,146 58
Prospect street	3,095 20
Ball square and vicinity	352 85
Holland street	4,692 17
Teele square and vicinity	218 73
Elm street	83 00
Wesley A. Maynard, advertising	33 50
Parry Brick Co., paving bricks	99 98
Perrin, Seamans & Co., lanterns	15 68
Standard Oil Co., asphalt	237 44
Somerville Journal Co., printing	141 50
E. S. Sparrow & Co., paint	4 60

\$45,367 62

Highways Maintenance account, use of city teams	6,307 64
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Paved Gutters and Crossings account, labor and material	4,823 99
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Sidewalks Construction account, edge-stones	8 10
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\$56,507 35

Service Transfers, from sundry accounts	1,822 74
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\$54,684 61

Highways Maintenance.

CREDIT.		
Balance from 1911		\$2,769 90
Appropriation		32,000 00
Revenue, amount appropriated		503 13
Transferred from the following accounts:—		
Care of Trees	\$401 80	
Street Cleaning	2,062 21	
Sidewalks Maintenance	225 85	
	<hr/>	2,689 86
		<hr/>
		\$37,962 89
Refuse Disposal account, amount transferred		3,563 72
		<hr/>
		\$34,399 17

DEBIT.		
(Expenditures.)		
Cash, paid Asa B. Prichard, salary as street commissioner	\$2,400 00	
expenses	110 30	
Albert M. Burbank, foreman	1,318 50	
Laborers	31,809 31	
Teaming, hired teams	643 13	
American Express Co., expressing	1 66	
S. Armstrong Co., bungs	1 00	
F. C. Ayer, lumber	404 33	
Ames Plow Co., shovels	183 87	
Ashton Valve Co., repairing gage	7 70	
Archibald Wheel Co., axles, etc.	26 13	
Burbank & Ryder Varnish Co., varnish	15 00	
Bushway Ice Cream Co., damage to team	20 00	
Harold L. Bond Co., blocks	13 59	
Boston Grease Co., grease	7 50	
Boston Spring Co., springs	6 00	
Boston Bolt & Iron Co., bolts	1 59	
Boston & Maine Railroad Co.:—		
Freight	20 31	
Connecting tracks	232 62	
Joseph Breck & Sons, hoes and rakes	30 87	
Barrett Mfg. Co., tarvia	2,686 94	
H. W. Bowers, mittens	2 70	
Buffalo Steam Roller Co., rollers, shafts, etc.	447 95	
Brown's Express, expressing	25	
Charles E. Berry, supplies	3 72	
Boston Woven Hose & Rubber Co., hose, etc.	10 30	
Chandler & Farquhar Co., supplies	58 65	
G. S. Cheney Co., remedies	31 32	
Cotter's Express, expressing	15	
A. W. Chesterton Co., supplies	53 58	
Consolidated Rendering Co., salt	6 00	
Cling Surface Co., cling surface	7 00	
J. F. Connor & Son, storage of auto	29 60	
	<hr/>	
Amount carried forward		\$40,591 48

Amount brought forward	\$40,591 48
Coleman Bros., crushed stone	473 95
Dodge, Haley Co., axle boxes	1 35
R. W. Doe, labor	14 75
Davenport-Brown Co., milling	1 27
S. H. Davis Co., wrenches	3 36
Estate of Maria Dillingham, water	3 15
Walter W. Field & Son, repairing crusher	150 32
Fellows & Co., repairing ladder	7 35
Farrell Foundry & Machine Co., pinions,	11 50
F. C. Fuller & Co., lead, etc.	45 12
Ford Motor Co., swivel and gear	50
Thomas Groom & Co., stationery	1 25
Gilman Express Co., expressing	25
Glines & Co., expressing	16 80
Gulf Refining Co., kerosene	266 70
Thomas J. Grey Co., repairing plow	5 00
Freeman B. and Emma J. Horsman, settlement for injury to son	20 00
Arthur C. Harvey Co., iron	385 59
E. J. Hervey Co., dynamite	147 14
Samuel Hurwitz, supplies	7 53
Headley Good Roads Co., asphalt	335 38
J. W. Howard, plants	4 00
William H. Hitchings, veterinary ser- vices	112 00
Florence Ham, clerical services	2 50
Hill-Michie Co., repairing automobile	61 20
F. J. Hopkins, cod liver oil	2 00
William T. Kilmartin, gravel	61 50
Joy Mfg. Co., jack	5 00
Mary E. Kelleher, settlement of suit for injury	76 65
S. & R. J. Lombard, circle	57 02
Lamont & Nelson, lanterns	24 75
George W. Ladd, shoeing	75
A. C. Libby & Sons, stationery	30 85
T. E. Littlefield, clapboards	7 15
Lord & Webster, hay	2,384 09
J. Loring & Co., horse feed	38 50
J. F. McAllister, lumber	14 72
Medford Street Market, lard	2 00
Mass. Highway Commission, register- ing auto	10 00
G. F. McKenna & Son, wagon and harness	150 00
W. B. Mullen, gravel	1,252 48
John W. McLean & Co., tools	2 90
Martin & Wood, repairing	10 00
George McDormand, shoeing	2 76
Morgan & Bond, saddlery hardware	496 88
C. W. H. Moulton Co., ladders	12 70
D. J. McNahan, board of horse	178 00
Wesley A. Maynard, printing	6 50
Amount carried forward	<u>\$47,496 64</u>

Amount brought forward	\$47,496 64
Mrs. Horace G. Moulton, damage to coat	6 00
New England Telephone & Telegraph Co., service	129 55
New England Towel Supply Co., towels	7 20
Norton & Co., hay rakes	3 00
Rt. Rev. Wm. H. O'Connell, bricks	32 44
Fulton O'Brion, grain	3,413 85
Joseph H. Perry, use of automobile	14 00
Proctor Bros. Grain Co., grain	1,359 42
Priest, Page & Co., repairing scales	81 58
Peter Perault, stone	12 74
Pickering Governor Co., repairing roller	46
Parry Brick Co., paving bricks	56 76
F. W. Pendergast, repairing brooms	31 00
W. E. Plumer & Co., brooms, etc.	12 65
Joseph Palmer, buggy springs, etc.	12 75
Perrin, Seamans & Co., supplies and repairs	119 04
Henry W. Perry, medicine	3 35
Phelps Bros., grain	782 65
A. F. Robinson Boiler Works, repairing, Roberts Iron Works Co., repairing crusher	126 17
O. S. Ryerson, wheels	30 48
Emily Roberts, settlement of claim	41 00
Rogers Bros., welding compound	20 00
John B. Rufer, horse clipping	2 25
Sherburne & Co., tools	2 50
E. S. Sparrow & Co., hardware	3 30
Simpson Bros. Corp., paving blocks	190 16
Somerville Journal Co., printing	8 36
Somerville Post-office, postage	25 95
Sulpho-Naphthol Co., milkol	15 50
Walter H. Snow & Sons, catering	10 00
Stickney & Poor Spice Co., ginger	38 00
Alden Speare's Sons Co., oil	2 00
George R. Sampson, repairing piston	21 90
R. J. Todd & Co., hardware	18 70
Lewis E. Tracey Co., belts and hooks	83
Nathan Tufts & Sons, grain	5 81
Tiffin Wagon Co., cart sprinkler	670 68
Underhill Hardware Co., hardware	4 16
Annie E. Vincent, settlement	159 83
Valvoline Oil Co., oil	125 00
Welch & Hall Co., horses	36 73
Frederick B. Witherly, spring plates	700 00
A. J. Wilkinson, setting saw	2 66
I. B. Walker, shoeing	1 25
D. L. Webb, lard	74 11
Walworth Mfg. Co., repairs	70
Winchester Tar Disinfectant Co., disinfectant	11 88
Whitney & Snow, hardware	13 00
City of Waltham, taxes	60 31
A. M. Wood Co., shafts	228 96
	54 30
Amount carried forward	\$56,281 56

Amount brought forward	\$56,281 56	
Samuel Ward Co., books	20 50	
L. A. Wright, repairing	72 50	
Wellington-Wild Coal Co., fuel	1,390 67	
Joseph Weislinger, personal injuries	175 00	
Asahel Wheeler Co., paint	16 65	
Warren Bros. Co., repairing asphalt pavement	366 65	
White Sewing Machine Co., sewing machine	15 00	
Waldo Bros., clay and fire brick	6 20	
William J. Wiley, stove pipe	7 55	
	<hr/>	
	\$58,352 28	
Fire Department account, horse	175 00	
Paved Gutters and Crossings account, paving blocks	10 80	
Sidewalks Maintenance account, bricks	90	
Highways Construction account, crushed stone	187 27	
Sidewalks Construction account, use of city teams	299 81	
Water Maintenance account, pipe and fittings	61 74	
	<hr/>	
		59,087 80
Service Transfers, from sundry accounts		24,688 63
		<hr/>
		\$34,399 17

Highways, Paved Gutters and Crossings.

CREDIT.

Appropriations, from Funded Debt, 1912		\$8,000 00
Amounts transferred to the following accounts:—		
Sidewalks Construction	\$2,000 00	
Alewife Brook Bridge	3,500 00	
	<hr/>	
		5,500 00
		<hr/>
		\$2,500 00
Sidewalks Construction account, balance transferred		1,508 38
		<hr/>
		\$991 62

DEBIT.

(Expenditures.)

Cash, paid laborers	\$3,344 99	
Teaming, hired teams	127 50	
S. & R. J. Lombard, paving blocks	286 35	
J. F. McAllister, paving blocks	44 63	
	<hr/>	
	\$3,803 47	
Highways Construction account, paving blocks	1,590 74	
Highways Maintenance account, city teams,	429 24	
Sidewalks Construction account, cement	5 70	
	<hr/>	
		\$5,829 15
Service Transfers, from sundry accounts		4,837 53
		<hr/>
		\$991 62

Sidewalks Construction.

CREDIT.

Balance from 1911		\$62 38
Appropriations, from Funded Debt, 1912		15,000 00
Amounts transferred from the following accounts:—		
Lowell Street ^s Bridges		357 18
Paved Gutters and Crossings		3,508 38
Sewers Construction		1,000 00
		<hr/>
		\$19,927 94
Cash, received from abutters on Powder		
House boulevard	\$1,000 00	
Sundry persons, constructing sidewalks	321 36	
		<hr/>
		1,321 36
Sidewalk Assessments account, assessments		
levied	\$17,195 62	
Less abatements	642 62	
		<hr/>
		16,553 00
		<hr/>
		\$37,802 30
Balance to credit of account, 1913		382 37
		<hr/>
		\$37,419 93

DEBIT.

(Expenditures.)

Cash, paid laborers	\$20,053 57
Teaming, hired teams	2,643 75
F. C. Ayer, lumber	44 06
Charles R. Bunker, bricks	9 27
Harold L. Bond & Co., canvas	30 67
Joseph Breck & Sons, mats	14 00
Eastern Clay Goods Co., cement	3,756 72
Ella F. Haskell, bricks	7 00
Joseph M. Herlihy, use of water	3 00
George B. Jeffrey, sods	4 10
S. & R. J. Lombard, edgestones	4,534 18
Lamont & Nelson, hose	40 00
Parry Brick Co., paving bricks	1,882 55
Perrin, Seamans & Co., supplies	153 18
E. S. Sparrow & Co., tools	4 85
Mrs. Lelia L. Sawyer, bricks	7 00
Samuel Ward Co., ledger	3 25
	<hr/>
	\$33,191 15
Highways Maintenance account, city teams,	5,285 36
Sewers Construction account, edgestones	11 83
Highways Construction account, paving	
blocks	11 63
Parks Maintenance account, sods	75 46
	<hr/>
	\$38,575 43
Service Transfers, from sundry accounts	349 01
	<hr/>
	\$38,226 42
Refund, Eastern Clay Goods Co., bags	806 49
	<hr/>
	\$37,419 93

Sidewalks Maintenance.

CREDIT.

Appropriation	\$4,000 00
Highways Maintenance account, balance transferred	225 85
	<hr/>
	\$3,774 15

DEBIT.

(Expenditures.)

Cash, paid laborers	\$2,658 47
F. C. Ayer, lumber	17 97
Rt. Rev. Wm. H. O'Connell, bricks	31 15
Parry Brick Co., bricks	391 46
	<hr/>
	\$3,099 05
Highways Maintenance account, use of city teams	610 50
Paved Gutters and Crossings account, paving blocks	1 20
Highways Construction account, bricks	33 10
Sidewalks Construction account, cement	31 20
	<hr/>
	\$3,775 05
Service Transfer, from Highways Maintenance account	90
	<hr/>
	\$3,774 15

Street Sprinkling.

CREDIT.

Appropriation	\$31,000 00
Refuse Disposal account, amount transferred	3,000 00
	<hr/>
	\$28,000 00
Excess and Deficiency account, balance transferred	404 57
	<hr/>
	\$27,595 43

DEBIT.

(Expenditures.)

Cash, paid laborers	\$4,527 99
Cornelius R. Bowlby, sprinkling	145 00
Daniel Collins, sprinkling	30 00
James F. Doherty, sprinkling	125 00
Allen A. Emery, sprinkling	117 00
John F. Elkins, sprinkling	652 00
Villa E. Grills, sprinkling	4 00
J. A. Marsh Coal Co., sprinkling	148 00
City of Medford, sprinkling	66 43
A. M. Prescott, sprinkling	154 00
T. J. Reardon, sprinkling	115 00
David Smith, sprinkling	654 00
Suburban Coal Co., sprinkling	566 00
John Wilson, sprinkling	33 50
Bertha M. Boyd, clerical services	25 00
Boston Varnish Co., paint	10 00
Boston & Maine Railroad, freight	45 00
	<hr/>
Amount carried forward	\$7,417 92

Amount brought forward	\$7,417 92
A. B. Black Road Machinery Co., dis- tributor attachment	243 25
Barrett Mfg. Co., tarvia	338 50
Boston Woven Hose & Rubber Co., hose	1 00
A. W. Chesterton Co., rings	8 28
Cotter's Express, expressing	50
C. C. Cunningham, jack	5 00
Dustoline Co., dustoline	542 63
Edson Mfg. Co., hose, etc.	205 93
F. C. Fuller & Co., lead and oil	- 20 25
Edna L. Goodwin, clerical work	109 33
Hill-Michie Co., automobile	669 45
Headley Good Roads Co., oil	1,438 49
F. J. Hopkins, cod liver oil	1 00
Charles J. Jager Co., cells coil, etc.	23 62
Kenney Mfg. Co., sprockets for spray outfit	10 50
Lenox Mfg. Co., dust setter	25 00
Medford Street Market, lard	3 68
Joseph Palmer, wagon seat	7 50
Alden Speare's Sons Co., tasscoil	3,295 94
Standard Oil Co., road oil	9,498 42
Studebaker Corp., oiler attachments	782 50
E. S. Sparrow & Co., oil cup	30
Somerville Automobile Co., gasket	1 00
Underhill Hardware Co., tools	2 30
Samuel Ward Co., book	20 00

\$24,672 29

Highways Maintenance account, use of city teams	2,792 34
Water Maintenance account, maintenance of water posts	202 80

\$27,667 43

Service Transfer, from Playgrounds Main- tenance account	72 00
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\$27,595 43

Street Lighting.

CREDIT.

Appropriation	\$54,500 00
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DEBIT.

(Expenditures.)

Cash, paid Edison Electric Illuminating Co., street lighting	\$51,461 50
moving lamps	13 00
Boulevard Auto Co., car hire	25 50

\$54,500 00

Public Buildings Department, Maintenance Highway Buildings.

CREDIT.

Appropriation	\$1,200 00
Excess and Deficiency account, balance transferred	35 23

\$1,164 77

DEBIT.

(Expenditures.)

Cash, paid F. C. Ayer, lumber	\$10 72
Carlisle-Ayer Co., window frames	17 30
C. W. Cahalan, plumbing	39 63
Henry N. Clark Co., stove supplies	1 65
R. W. Doe, repairing heating apparatus	69 28
H. W. Delaney, plumbing	16 23
Edison Electric Illuminating Co., lighting	183 50
W. J. Fermoye, painting	182 40
J. J. Hurley & Co., repairing heating apparatus	9 13
S. D. Hicks & Son, repairing conductors, Jackson Caldwell & Co., desk	36 00
T. E. Littlefield, lumber	25 50
Charles F. Mills, carpentering	66 23
Martin & Wood, electrical work	106 60
George W. Manning, labor on flagstaff	29 09
The Penn. Metal Ceiling & Roofing Co., roofing	4 00
W. E. Plumer & Co., hardware	60 06
Pittsburgh Plate Glass Co., glass	56
George L. Robinson, painting	3 01
E. S. Sparrow & Co., hardware	14 23
Somerville Coal Co., fuel	172 70
A. J. Wilkinson & Co., pulleys	104 40
Arthur W. Walker, repairing clock	9 00
William J. Wiley, hardware	1 00
Walker & Pratt Mfg. Co., grate, etc.	65
	1 90
	<hr/>
	\$1,164 77
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Lowell Street Bridges.

CREDIT.

Balance from 1911	\$2,407 18
Sidewalks Construction account, balance transferred	357 18
	<hr/>
	\$2,050 00
Highway Betterment Assessments account, assessments abated	2,050 00
	<hr/> <hr/>

Alewife Brook Bridge.

CREDIT.

Paved Gutters and Crossings account, amount transferred	\$3,500 00
Balance to credit of account, 1913	3,500 00
	<hr/> <hr/>

Grade Crossings Expenses.

CREDIT.

Municipal Loan, amount appropriated	\$5,000 00
Grade crossings account, amount transferred	818 09
	<hr/>
	\$5,818 09
Balance to credit of account, 1913	5,818 09
	<hr/> <hr/>

CHARITIES.

Support of Poor, Miscellaneous.

CREDIT.	
Appropriation	\$16,500 00
Overlay and Abatement account, amount transferred	2,500 00
	\$19,000 00
Excess and Deficiency account, balance transferred	195 23
	\$19,195 23

DEBIT.	
(Expenditures.)	
Cash, paid Charles C. Folsom, salary as agent	\$1,700 00
disbursements	136 73
C. Clarke Towle, M.D., salary as city physician	1,500 00
Cora F. Lewis, secretary	700 00
Mabel F. Kenneson, clerical services	66 00
Jeanette M. Hutchins, clerical services,	116 00
H. G. Applin, groceries	130 50
Annie F. Brown, allowance	4 43
J. H. Brooks, dry goods	2 00
City of Boston, aid	3,517 58
Mrs. E. M. Bangs, board	104 59
James Bartley, groceries	774 00
Charles S. Butters, groceries	40 00
W. S. Burbank & Co., carriage hire	2 00
W. J. Casey & Co., groceries	117 50
C. Carbone & Co., groceries	84 00
A. P. Chase & Son, groceries	18 00
Edward Coliten & Son, groceries	135 50
Mercy J. Chase, allowance	45 60
City of Cambridge, aid	324 65
Children's Mission, board	122 50
Children's Aid Society, board	97 50
F. E. Cheney Co., groceries	32 00
Carter's Ink Co., ink	1 25
George L. Doherty, burial	15 00
Dearborn Hospital, medicine	1 46
James Davis, groceries	106 00
P. Diozzi, groceries	30 00
Edgar E. Donnell, board	104 59
Mary Drury, board	120 00
Harry A. Dunham, groceries	24 00
Edward Edwards, medicine	89 80
City of Everett, aid	24 00
Louis A. Fredericks, allowance	12 79
Fresh Pond Ice Co., ice	4 10
Thomas Groom & Co., stationery	12 85
W. S. Greenough & Co., stationery	18 00
W. A. Greenough & Co., directory	4 00
H. T. George, groceries	137 00
F. W. Gilbert, shoes	27 00
Amount carried forward	\$10,502 92

Amount brought forward	\$10,502 92
Charles F. Giles, groceries	641 50
City of Gloucester, aid	50 00
F. H. Grow, groceries	536 00
Glines & Co., expressing	15
Edgar O. Hunt, repairing vault	1 50
The G. F. Harvey Co., medicine	19 02
City of Haverhill, aid	34 72
J. B. Horton, board	8 72
F. A. E. Jewell, groceries	41 00
Eleanor Jenkins, board	25 72
C. R. King, groceries	225 50
H. L. Kyes, groceries	243 00
M. D. Lewis, groceries	202 50
M. D. Lovering, groceries	165 00
Howard Lowell & Son, carriage hire	17 00
City of Lowell, aid	4 00
City of Medford, aid	4 00
Alfred E. Mann, burials	59 00
Commonwealth of Massachusetts, board,	559 09
James H. Maguire Co., groceries	397 00
Monroe Pharmacal Co., medicine	145 54
Mary Murray, board	78 41
John S. McGowan, burial	25 00
Mass. Hospital School, board	169 71
New England Telephone & Telegraph Co., service	102 46
Edith M. Nutt, board	104 59
North Packing & Provision Co., groceries	201 25
City of Newton, aid	19 93
Frederick H. Perry, printing	6 00
Town of Pepperell, aid	104 00
P. H. Rafferty, burial	65 00
Town of Rockland, aid	78 89
A. E. Robie, groceries	2 00
Andrew F. Ryan, groceries	96 00
A. P. Rockwood, carriage hire	5 00
Town of Revere, aid	64 49
Remington Typewriter Co., repairing	2 15
City of Salem, aid	5 00
Hattie G. Sellon, board	52 31
Somerville Contagious Hospital, treat- ment	30 00
Somerville Journal Co., printing	21 50
Somerville Visiting Nursing Association, nursing	68 50
R. M. Sturtevant, groceries	729 75
Somerville Hospital, aid	2,122 88
Mrs. Warren Southward, board	21 78
Washingtonian Home, board	60 00
Benjamin E. White, groceries	310 00
George W. Wood, groceries	104 00
City of Worcester, aid	4 29
City of Woburn, aid	1 75
Wellington-Wild Coal Co., coal	557 81
Amount carried forward	<u>\$19,097 33</u>

Amount brought forward	\$19,097 33	
York County Children's Aid Society, board	104 00	
	<hr/>	
	\$19,201 33	
Service Transfer, from Health Department account	6 10	
	<hr/>	
		<u>\$19,195 23</u>

Support of Poor, City Home.

CREDIT.

Appropriation	\$8,500 00
Overlay and Abatement account, amount transferred	500 00
	<hr/>
	\$9,000 00
Excess and Deficiency account, balance transferred	1 03
	<hr/>
	\$8,998 97

DEBIT.

(Expenditures.)

Cash, paid J. Foster Colquhoun, salary as warden	\$850 00
disbursements	231 88
Mrs. Catherine Colquhoun, salary as matron	500 00
Sundry persons, farm help	1,139 26
Sundry persons, house help	687 82
Chris Ahlstrom, painting wagons	40 00
George W. Blanchard & Co., lumber	47 55
Bowers & DeWick, clothing	1 00
H. W. Bowers, clothing	1 00
D. J. Bennett, blanket	1 75
Joseph Breck & Sons, seeds	95 04
Boston Plate & Window Glass Co., glass	4 20
Braman, Dow & Co., boiler fixtures	2 06
John Briggs & Co., putty	17 11
H. A. Brownell, harness repairing	7 00
Andrew Blyth, groceries	12 67
Benjamin's Express, wagon hire	10 00
Brown Durrell Co., dry goods	41 81
Chapin Bros., potatoes	115 85
George W. Clatur Co., fish	38 90
E. W. Curtis, apples	9 25
Chase & Sanborn, coffee	107 57
Cambridge Ice Co., ice	50 05
Henry N. Clark Co., stove repairs	2 40
F. C. Dinsmore, horse hire	25 00
Derby & Co., repairs	2 10
Derby & Fish, repairs	2 60
Edison Electric Illuminating Co., lamps, J. B. Fellows & Co., sprinklers	4 70
Farley, Harvey & Co., blankets	6 00
Fox Bakery Co., bread	194 99
George G. Fox Co., bread	387 56
George G. Fox Co., bread	18 57
H. E. Gustin Sons, seeds	4 00
	<hr/>
Amount carried forward	\$4,659 69

Amount brought forward	\$4,659 69
Thomas Groom & Co., stationery	1 68
Gilman Express Co., expressing	8 40
G. F. Gurney Co., sweepers	4 07
Thomas J. Grey Co., seeds	74 23
W. A. Greenough & Co., directory	4 00
C. D. Gallagher, turnips	3 00
C. H. Goldthwaite & Co., truss	2 50
Hinds & Coon, hose	26 00
A. H. Hews & Co., flower pots	4 25
Percy A. Hall, medicine	64 27
Highland Coal Co., lime	5 00
F. J. Hopkins, groceries	127 40
C. P. Holmes, tomato boxes	84 60
Hydro Palm Soap Co., soap powder	2 35
Charles A. Holmes, vinegar	7 35
John Holman & Co., mattresses	20 00
Jordan Marsh Co., dry goods	50 04
Alfred E. Knight, dentistry	1 50
Amos Keyes & Co., butter, poultry, etc.	103 20
John E. Kauler, pasturing cow	13 00
Lever Bros. Co., soap	16 75
T. E. Littlefield, lumber	34 13
George W. Ladd, horseshoeing	36 25
Lord & Webster, hay	223 12
William Leavens & Co., furniture	42 00
Loose-Wiles Biscuit Co., crackers	22 91
Mystic Rubber Co., sheeting	6 75
Murphy Bros., pullets	14 40
Mitchell, Wing Co., soap	21 90
Mass. State Prison, clothing	36 00
McGreenery & Manning, pipes and tobacco	60 88
Miley Soap Co., soap	17 50
Martin & Wood, sharpening mowers	2 00
C. J. Miers & Son, roofing	7 00
Market Supply Co., boxes	5 00
National Biscuit Co., crackers	90 29
J. S. Newcomb Co., groceries	754 77
Nay & Taylor, ice cream	2 90
New England Mfg. Co., butterine	139 91
New England Telephone & Telegraph Co., service	40 22
New England Live Stock Co., boar	12 00
Fulton O'Brion, grain	600 62
Harris Ossman, shoe repairing	4 70
Parke Snow, dry goods	97 25
Phelps Bros., hay and grain	35 36
Proctor Bros., grain	120 25
W. E. Plumer & Co., hardware	11 15
Charles N. Page, dry goods	14 69
C. B. Runey, refrigerator	17 50
J. W. Roberts & Co., groceries	233 59
Reuben Ring & Co., medicine	19 40
John B. Rufer, clipping	24 15
Refuse Disposal, garbage	394 80
Amount carried forward	<hr/> \$8,456 67

Amount brought forward	\$8,456 67
Russell Shoe Co., shoes	11 35
E. S. Sparrow & Co., hardware	11 53
J. P. Squire & Co., shavings	12 50
C. L. Stevens, groceries	201 07
Sulpho-Naphthol Co., milkol	1 50
Somerville Journal Co., printing	4 50
Charles T. Sullivan, harness repairs	2 10
George H. Thayer, boots and shoes	44 75
A. S. Tyler, milk	16 80
Nathan Tufts & Sons, grain	29 90
U. S. Radiator Co., grate section	1 29
William J. Wiley, hardware	61 89
Whittier Woodenware Co., brooms, etc.,	23 19
West Disinfecting Co., disinfectant	4 50
Wilson-Larrabee Co., dry goods	13 08
Asahel Wheeler Co., olive oil	75
Whitcomb Metallic Bedstead Co., springs	60
L. A. Wright, wagon repairs	20 00
A. Young, cow	75 00

 \$8,992 97

Water Maintenance account, repairs 6 00

 \$8,998 97

Public Buildings Department, Maintenance City Home Buildings.

CREDIT.

Appropriation	\$1,300 00
Excess and Deficiency account, balance transferred	89 48
	<hr/>
	\$1,389 48

DEBIT.

(Expenditures.)

Cash, paid Frank P. Anthony, coil	\$6 00
Armstrong Bros., plumbing	2 65
A. W. Berry, carpentering	97 20
Cambridge Gas Light Co., gas	17 73
Timothy F. Crimmings, connecting and repairing drains	68 02
Edison Electric Illuminating Co., light- ing	188 72
W. J. Fermoyle, oiling floors	9 60
Grant Nail & Supply Co., pulleys	3 98
J. J. Hurley & Co., repairing heating apparatus	50 45
Charles H. M. Hunnewell, plumbing	3 35
Knight & Thomas, extinguishers	84 00
T. E. Littlefield, lumber	154 52
P. W. Merrill Co., screens	86 25
Newton & Dunbar, electrical work	3 70
Standard Charcoal Co., charcoal	9 00
E. S. Sparrow & Co., hardware	95
Wellington-Wild Coal Co., fuel	572 00
William J. Wiley, plumbing	31 36

 \$1,389 48

City Home Addition.

CREDIT.

Balance from 1911	\$7,983 43
Balance to credit of account, 1913	120 69
	<hr/>
	\$7,862 74

DEBIT.

(Expenditures.)

Cash, paid Armstrong Bros., plumbing	\$834 00
Arthur W. Berry, on account of construction	5,927 75
Alice I. Crawford, copying specifications	14 00
Jackson Caldwell & Co., shades	31 00
J. J. Hurley & Co., on account of installing heating plant	379 20
B. L. Makepeace, blue prints	4 35
Martin & Wood, electrical work	117 48
McKenney & Waterbury, electric fixtures	60 00
Richardson, Wright & Co., aseptic furniture	351 63
E. S. Sparrow & Co., hardware	67 18
Turner Asbestos Co., pipe covering	76 15
	<hr/>
	\$7,862 74

Somerville Hospital.

CREDIT.

Appropriation	\$5,000 00
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DEBIT.

(Expenditures.)

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

SOLDIERS' BENEFITS.

Soldiers' Relief.

CREDIT.

Appropriation	\$23,000 00
School Contingent account, amount transferred	600 00
	<hr/>
	\$22,400 00
Excess and Deficiency account, balance transferred	102 44
	<hr/>
	\$22,297 56

DEBIT.

(Expenditures.)

Cash, paid sundry persons as per pay rolls,	\$22,317 56
Refunds, money not called for	20 00
	<hr/>
	\$22,297 56

Military Aid.

CREDIT.

Appropriation	\$850 00
Excess and Deficiency account, balance transferred	166 00
	<hr/>
	\$684 00

DEBIT.

(Expenditures.)

Cash, paid sundry persons as per pay rolls	\$684 00
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State Aid.

CREDIT.

Appropriation	\$16,300 00
Excess and Deficiency account, balance transferred	737 00
	<u>\$15,563 00</u>

DEBIT.

(Expenditures.)

Cash, paid sundry persons as per pay rolls	\$15,581 00
Refunds, money not called for	18 00
	<u>\$15,563 00</u>

Soldiers' Burials.

CREDIT.

Appropriation	\$500 00
Excess and Deficiency account, balance transferred	130 00
	<u>\$370 00</u>

DEBIT.

(Expenditures.)

Cash, paid John H. Dusseault, services as burial agent	\$20 00
John Bryant's Sons, burials	105 00
T. F. Callahan, burial	35 00
Edwin L. Derby, burial	35 00
W. A. Frink, burial	35 00
Alfred E. Mann, burial	35 00
Vincent D. P. Reade, Jr., burial	35 00
Francis M. Wilson, burials	70 00
	<u>\$370 00</u>

EDUCATION.**School Contingent.**

CREDIT.

Appropriation	\$32,000 00
Soldiers' Relief account, amount transferred	600 00
Municipal Loan, amount appropriated	5,000 00
	<u>\$37,600 00</u>
Excess and Deficiency account, balance transferred	694 54
	<u>\$36,905 46</u>

DEBIT.

(Expenditures.)

Cash, paid Charles S. Clark, salary as superintendent of schools	\$3,500 00
disbursements	432 87
	<u>\$3,932 87</u>
Amount carried forward	\$3,932 87

Amount brought forward	\$3,932 87
Justin W. Lovett, assistant to superintendent	1,300 00
Mary A. Clark, assistant	766 67
Mildred A. Merrill, assistant	616 67
Benjamin R. Jones, truant officer	1,310 56
disbursements	16 40
Jairus Mann, truant officer	4 69
Flora E. Anderson, supplies	9 89
American Book Co., books	2,691 51
D. Appleton & Co., books	99 51
Adams, Cushing & Foster, supplies	1,620 56
John A. Avery, disbursements	44 37
American Express Co., expressing	3 25
A. R. Andrews, supplies	6 00
Allyn & Bacon, books	289 50
American School Board Journal, books	12 00
George I. Bowden, travel	7 95
The Beck Duplicator, supplies	12 00
Edward E. Babb & Co., books and supplies	5,152 45
Frederick H. Brown, books	1 75
Milton Bradley Co., supplies	1,168 02
Bumpus & Cook, repairing	59 70
Brown-Howland Co., supplies	7 72
C. S. Binney Corp., printing	17 80
Elizabeth J. Baker, disbursements	2 00
J. A. Bremner & Co., supplies	2 00
F. J. Barnard, binding	872 81
City of Boston, tuition	207 17
Mary H. Brown, disbursements	69 68
I. W. Black Co., repairing	4 00
C. C. Birchard & Co., books	189 87
Robert M. Brown, books	1 40
Barlow Mfg. Co., supplies	7 50
Burroughs Adding Machine Co., adding machine	220 50
Baker School Specialty Co., repairing	4 38
Brown Durrell Co., supplies	22 31
W. B. Clarke Co., books	90
James H. Chase, services	15 00
Thomas J. Callahan, printing	12 00
Cambridge Botanical Supply Co., supplies	10 45
Curtis Ink Co., supplies	2 00
Crimmings & McGrath Co., supplies	17 63
Clapp & Tilton, supplies	102 04
E. T. Curtis Co., supplies	95 25
Chandler & Farquhar Co., supplies	595 68
John Carter & Co., supplies	9 25
Mildred W. Clark, disbursements	18 50
Cotter's Express, expressing	44 87
Carter's Ink Co., supplies	48 07
Collieson Bros., supplies	80
Jackson Caldwell & Co., use of piano	7 00
N. H. Crowell, supplies	45 00
Chandler Shorthand Publishing Co., supplies	1 60
Amount carried forward	<u>\$21,781 50</u>

Amount brought forward	\$21,781 50
Chandler & Barber, supplies	28 22
Crisfield Oyster Co., supplies	2 00
Chickering & Sons, rent of piano	9 00
Central Scientific Co., supplies	210 97
E. F. Chaffee, supplies	12 71
Matthew C. Duggan, taking census	43 50
Oliver Ditson Co., music	28 80
Davenport-Brown Co., supplies	57
Andrew Dutton, supplies	1 40
J. A. Dean, supplies	2 50
R. W. Doe, supplies	1 10
Decatur-Caddick Lumber Co., supplies	86 79
E. M. Drury, supplies	16 67
Eimer & Amend, supplies	177 23
Eastern Metal & Refining Co., supplies	94
Educational Publishing Co., books	128 92
Eagle Oil & Supply Co., supplies	85
John S. Emerson, disbursements	12 03
Eagle Pencil Co., supplies	3 25
B. F. Elwell Glue Co., supplies	9 12
W. Douglas Fleming, taking census	8 80
Farley, Harvey & Co., supplies	25 58
Frost & Adams Co., supplies	175 56
J. H. Fellows Co., ink	12 00
First Methodist Church, use of edifice	75 00
Fresh Pond Ice Co., supplies	1 05
Albert Griffiths Saw Co., supplies	18 33
Glines & Co., expressing	66 02
Annie M. Gilcrease, taking census	38 68
Charles F. Giles, supplies	198 67
Ginn & Co., books	3,024 56
Gilman Square Fish Market, supplies	1 30
W. A. Greenough & Co., books	8 00
Vernon F. Grant, carriage hire	3 00
General Chemical Co., supplies	82 56
Gilman Express Co., expressing	1 15
Grand Rapids Furniture Record Co., books	1 00
J. W. Howard, supplies	1 40
S. Henry Hadley, disbursements	25 00
William S. Howe, supplies	3 65
E. C. Hartshorn, supplies	2 00
Ernest R. Hager, disbursements	17 96
H. F. Hathaway, disbursements	2 21
Harvard University, books	8 20
Sydney C. Haynes, expressing	1 25
A. L. Haskell, printing	181 15
D. C. Heath & Co., books	472 14
Houghton Mifflin Co., books	256 11
J. L. Hammett & Co., supplies	1,017 58
Arthur C. Harvey Co., supplies	69 61
U. T. Hungerman Brass & Copper Co., supplies	15 96
J. B. Hunter Co., supplies	496 45
Edward A. Hart, supplies	1 30
Charles W. Hurn, disbursements	3 75
Amount carried forward	<u>\$28,875 05</u>

Amount brought forward	\$28,875 05
Hill-Michie Co., supplies	7 75
Hinds, Noble & Eldredge, maps	6 48
Holden Patent Book Cover Co., supplies	4 35
International Time Recording Co., supplies	3 85
Eric A. Johnson, taking census	11 22
S. A. Johnson, travel	11 23
Harry L. Jones, disbursements	12 30
Jaynes Drug Co., supplies	2 33
Jordan Marsh Co., supplies	67 74
L. E. Knott Apparatus Co., supplies	6 86
Kenney Bros. & Wolkins, supplies	431 68
A. H. Keen, services	88
Little, Brown & Co., books	36 45
John Lane Co., books	5 00
Lyons & Carnahan, books	16 20
Lothrop, Lee & Shepard Co., books	1 49
Andrew J. Lloyd Co., supplies	4 42
E. L. Lovering, repairing	57 75
Liquid Carbonic Co., supplies	1 40
Ledder & Probst, supplies	10 05
J. A. Lyons & Co., books	39 16
Frank J. McCarthy, taking census	25 82
Francis J. Maloney, taking census	30 34
B. L. Makepeace, supplies	2 00
Malden City Lumber Co., supplies	79 21
City of Medford, tuition	15 00
McKinley Publishing Co., maps	18 33
Mitchell Mfg. Co., supplies	9 94
Wesley A. Maynard, printing	550 51
Middlesex County Truant School, board of truants	817 96
E. M. Morse, disbursements	32 98
D. C. McIntosh, books	28 50
Charles E. Merrill Co., books	85 09
F. W. Martin Co., printing	243 15
Charles F. Mills, supplies	119 75
Marine Biological Laboratory, supplies, Herman Meyer, supplies	8 95
New England Dressed Meat & Wool Co., supplies	25 70
Neostyle Co., supplies	1 95
New England Telephone & Telegraph Co., service	211 68
New England Calcium Light Co., supplies	195 83
Mary E. Northup, disbursements	2 25
William O'Brien, taking census	4 00
Oliver Typewriter Co., supplies	13 00
James J. O'Brien, supplies	5 00
Parker & Page Co., supplies	3 60
W. E. Plumer & Co., supplies	2 94
Joseph Palmer, supplies	76 93
C. E. Parkhurst, supplies	5 50
Percy & Fleming, printing	11 25
	9 25
Amount carried forward	<hr/> \$32,250 05

Amount brought forward	\$32,250 05
Remington Typewriter Co., typewriter, and supplies	151 10
Rand, McNally & Co., charts	41 00
Somerville Enterprise Publishing Co., printing	30 00
Somerville Journal Co., printing	935 41
Somerville Industrial School for Girls, services	5 00
Singer Sewing Machine Co., rent of machine	15 00
School Board Journal, subscription	1 00
Charles Scribner's Sons, books	42 15
School Arts Publishing Co., supplies	1 15
Smith & McNance, books	6 75
Schoenhof Book Co., books	428 77
Silver, Burdett & Co., maps	306 78
Shattuck & Jones, supplies	2 85
Francis C. Smith, taking census	7 08
Sutherland & Co., supplies	27 20
Henry Siegel Co., supplies	3 20
Stuart-Howland Co., supplies	118 02
Francis Supple, supplies	48 45
Scott, Foresman Co., supplies	47 72
Small, Maynard & Co., books	1 53
Stone & Forsyth, supplies	13 00
J. Frank Shea, taking census	11 26
Benjamin H. Sanborn & Co., books	34 14
Smith-Premier Typewriter Co., repair- ing	11 50
William D. Sprague, disbursements	9 81
Walter H. Snow & Sons, luncheon	5 00
Sibley & Co., books	38 80
Somerville Dental Dispensary, supplies	38 78
Stevens-Duryea Co., supplies	1 70
Frank W. Seabury, disbursements	1 17
Mary C. Thurston, disbursements	10 00
Lewis E. Tracy Co., supplies	1 50
W. F. Turner, picture	1 00
O. W. Short, services	10 00
F. H. Thomas Co., supplies	2 10
Underwood Typewriter Co., supplies	24 55
S. N. Ufford & Son, supplies	18 00
Union Paste Co., supplies	4 65
Martin E. Vorce, books	6 50
Thomas J. Woods, taking census	7 58
Elisabeth S. Webster, taking census	54 64
Elisabeth M. Wood, services	28 00
John M. Woods & Co., supplies	1,932 66
F. S. Webster Co., supplies	5 44
Wells Bros. Co., supplies	1 44
Whitney & Snow, supplies	27 01
Whitcomb & Barrows, books	2 89
Wadsworth, Howland & Co., supplies	108 73
Wellington-Wild Coal Co., supplies	3 15
Samuel Ward Co., supplies	1 96
Amount carried forward	\$36,887 17

Amount brought forward	\$36,887 17	
The Washburn Shops, supplies	11 40	
Wilcox & Gibbs Sewing Machine Co., supplies	3 03	
D. E. Wilson, repairing	2 25	
Lester P. Winchenbaugh, supplies	10 65	
A. J. Wilkinson & Co., supplies	4 50	
Young Folks Educational League, sup- plies	16 25	
Yawman & Erbe Mfg. Co., supplies	33 88	
Evangeline W. Young, services	31 50	
	<hr/>	
	\$37,000 63	
Central Library account, books lost	29 74	
	<hr/>	
	\$37,030 37	
Service Transfers, from sundry accounts	124 91	
	<hr/>	
		\$36,905 46

School Teachers' Salaries.

CREDIT.

Appropriation	\$303,500 00
Overlay and Abatement account, amount transferred	2,500 00
	<hr/>
	\$306,000 00
Excess and Deficiency account, balance transferred	121 03
	<hr/>
	\$305,878 97

DEBIT.

(Expenditures.)

Cash, paid school teachers' salaries	\$305,889 97
Refunds, amount overpaid	11 00
	<hr/>
	\$305,878 97

Public Buildings Department, Maintenance School Buildings.

CREDIT.

Appropriation	\$64,000 00
Municipal Loan, amount appropriated	5,000 00
Revenue, amount appropriated	1,867 86
Amounts transferred from the following accounts:—	
Reduction of Funded Debt	2,579 80
Commissioner of Public Buildings	100 00
Maintenance Water Buildings	200 00
Maintenance Bathhouse	100 00
Maintenance Park Buildings	100 00
Maintenance Union Square Reading Room	50 00
Maintenance East Somerville Reading Room	50 00
Maintenance West Somerville Branch Library	100 00
Maintenance Central Library	250 00
	<hr/>
	\$74,397 66
Excess and Deficiency account, balance transferred	1,601 55
	<hr/>
	\$72,796 11

DEBIT.	
(Expenditures.)	
Cash, paid janitors' salaries	\$27,603 95
American Metal Polish Co., putx cream,	5 40
American School Board Journal, sub-	
scription	1 00
American Express Co., expressing	1 45
F. C. Ayer, lumber	93 25
F. C. Alexander, carpenter work	211 01
Armstrong Bros., plumbing	29 78
John H. Adcock, plumbing	15 08
George A. Ayer, plumbing	192 36
The Ashton Valve Co., bubblers	16 20
William Allen Sons Co., mouthpiece for	
boiler	8 00
Edward H. Barter, repairing clock	12 00
Albert Briggs, cleaning windows	18 00
H. W. Bursaw, oil	22 21
Blake & Knowles Steam Pipe Works,	
repairing	18 35
Benjamin's Express, expressing	3 70
J. A. Bremner & Co., painting	418 96
A. & E. Burton Co., brushes	236 50
Mary H. Brown, reimbursement for	
keys	2 25
Baker School Specialty Co., blackboards,	223 92
Broad Gage Iron Works, flag pole	
fittings	27 45
M. J. Bowdren, gardening	187 25
Boston Cleaning Co., cleaning	11 60
Boston Varnish Co., varnish	52 80
Boston Feather Duster Co., dusters	62 10
C. Bowdren, moving safe	14 00
Boulevard Auto Co., hire of automobile,	16 50
John Blake, labor	3 15
J. F. Brown, repairing clock	3 75
Blodgett Clock Co., repairing clock	12 38
Carlisle-Ayer Co., skylight	2 50
P. E. Carrigan & Co., repairing heating	
apparatus	72 29
T. A. Cunningham, brushes	6 13
John W. Cremen, weighing coal	25 00
Jackson Caldwell Co., chairs, etc.	480 55
Bernard S. Coddling, repairing clocks	16 75
Cotter's Express, expressing	15 30
Crown Window Shade Co., shades	28 00
Carpenter, Morton Co., paint, etc.	48 72
Cambridge Gas Light Co., gas	1,034 85
Edwin H. J. Connell, plumbing	85
J. E. Callahan Co., repairing shades	74 11
C. W. Cahalan, plumbing	175 96
Charlestown Gas & Electric Co., gas	230 78
L. E. Clayton, cheese cloth	6 82
M. P. Canfield, gardening	65 00
Chandler & Farquhar, pulleys, etc.	47 22
James Duncan, repairing chairs	86 00
Amount carried forward	\$31,941 18

Amount brought forward	\$31,941 18
Davenport-Brown Co., wood	125 08
H. N. Dearborn, setting glass	103 75
R. W. Doe, repairing furnaces	25 11
J. A. Durell, hardware	1 25
H. W. Delaney, plumbing	9 33
Derby Desk Co., recovering desk top	9 50
Derby & Fish, repairing clocks	7 75
S. H. Davis Co., hardware	6 00
Edison Electric Illuminating Co., lighting	4,341 54
Enterprise Rubber Co., gaskets	103 95
J. H. Edwards, repairing chairs	15 70
Fuller & Nary, repairing bell	2 35
W. J. Fermoyle, painting, etc.	555 74
F. C. Fuller & Co., hardware	44 60
James H. Fannon, concreting	1,201 80
Frank E. Fitts Mfg. & Supply Co., wheelbarrows	12 90
Fred W. Farrar, repairing clocks	30 50
Eugene Girroir, services	100 75
Gray & Turner, boiler insurance	14 65
A. C. Gordon, painting	76 91
Walter J. Godfrey, painting	65 35
Glines & Co., expressing	43 34
Grant Nail & Supply Co., repairing belt,	2 45
Gilman Express Co., expressing	4 80
Grace & Hatfield, rock salt	1 00
William S. Howe, hardware	19 35
Hosmer & Wedgwood, insurance	7 50
J. J. Hurley & Co., repairing heating apparatus	789 82
Charles H. M. Hunnewell, plumbing	39 38
Hill-Michie Co., tube and shoe	88 31
Hinckley Rendering Co., soap powder	57 77
Humphrey Co., burner and valve	7 50
James Harper & Co., repairing chairs	40 75
House Cleaning Co., cleaning	17 30
Edgar O. Hunt, plumbing	37 62
William Hall & Co., repairing	9 95
Highland Coal Co., lime	6 25
James Heggie, gardening	66 55
S. D. Hicks & Sons, roofing	1,052 00
Frank O. Johnson, plumbing	53 24
Johnson Service Co., repairing registers,	50 21
Jenkins Bros., plug keys	3 70
H. W. Johns-Manville Co., fuse plugs	42
Jordan Marsh Co., carpets, etc.	86 58
Frank J. Jameson, sponges	21 39
J. A. Kiley, repairing fire scraper	1 65
Knight & Thomas, fire extinguishers	137 90
Mrs. Clara M. Kenney, cleaning	191 51
John Kennedy, plastering	483 40
E. & F. King & Co., soda ash	10 41
Kenney Bros. & Wolkins, furniture	1,284 03
E. S. Kearney & Co., sawdust	14 05
James Kenney, carpentering	191 88
Amount carried forward	<u>\$43,617 70</u>

Amount brought forward	\$43,617 70
John H. Kelley, reimbursement for telephone expenses	21 50
Walter T. Littlefield, mileage of auto- mobile	92 85
Link-Belt Co., washers, etc.	1 73
Arthur D. Little, testing coal	45 40
Howard Lowell & Son, board of horse, Leavis & Doherty, plumbing	330 25
John Lingard, painting and glazing	580 93
John Lingard, painting and glazing	503 21
J. E. Locatelli Co., carpentering	149 50
George W. Ladd, repairing shovel	35
C. A. Legallee, plumbing	190 48
S. P. Larsen & Son, repairing roof	13 77
T. E. Littlefield, lumber	49 14
Mrs. Arthur Means, damages	10 00
George W. Manning, labor on flagstuffs, Daniel McIntire, gardening	161 20
Daniel McIntire, gardening	65 35
McKenney & Waterbury Co., electrical supplies	121 64
P. W. Merrill Co., screens	64 30
Arthur T. McGilvray, electrical work	138 99
Martin & Wood, batteries	160 38
Charles F. Mills, carpentering	522 40
George E. Morris, damages	10 00
G. F. McKenna & Son, teaming	732 00
A. M. Morton & Co., repairing pipe	10 66
C. W. H. Moulton, brooms	50 25
J. C. McLean, chairs	73 50
William J. McCarthy Co., teaming, etc., D. McDonald, straps	6 05
D. McDonald, straps	3 00
J. Edward L. McLean, carpentering	650 10
N. D. B. Co., electrical work	50 77
New England Iron Works Co., boiler supplies	37 13
New England Telephone & Telegraph Co., service	563 86
Newton & Dunbar, batteries	71 23
Norton Door Check Co., door check	26 24
James W. O'Neil, plumbing	8 75
John F. O'Brien, weighing coal	18 00
Patrick J. O'Neil, gardening	11 85
W. H. Pembroke, repairing automobile, The Powers Regulator Co., repairing temperature regulator	60 05
The Powers Regulator Co., repairing temperature regulator	4 15
A. W. Phillips, brick work	559 73
W. E. Plumer & Co., hardware	22 07
Pittsburgh Plate Glass Co., glass	158 09
Pigeon-Fraser Hollow Spar Co., pole and truck	70 00
Penn Decorating Co., varnish, etc.	636 15
Pettingell-Andrews Co., electrical sup- plies	1 78
A. M. Pride, carpenter work	167 40
John A. Pendergast, brooms	16 00
Ella F. Rines, cleaning	3 22
George L. Robinson, painting	635 15
Amount carried forward	<u>\$51,498 25</u>

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 117

Amount brought forward	\$51,498 25
Albert Rich, janitor's services	126 00
Roberts Iron Works Co., gaskets	63 59
F. M. Rogers & Co., interior painting	1,195 00
Renner's Express, expressing	6 00
Robb-Mumford Boiler Co., repairing, and boilers	924 26
Simplex Glass Cleaner Co., glass cleaners	5 00
Standard Charcoal Co., charcoal	21 00
B. F. Sturtevant Co., repairing engine	5 00
James D. Sharkey, painting automobile	30 00
Shepard, Clark Co., brushes	175 33
E. S. Sparrow & Co., hardware	116 50
P. Sutherland & Co., oil	55 10
Daniel L. Shepard, mason work	397 55
B. Y. Snow, clenso	2 40
C. H. Sanborn, repairing heating ap- paratus	219 52
City of Somerville, sidewalk assessment, Daniel Sullivan, oil	51 61
The Somerville Mfg. Co., installing heater and boiler	14 30
St. James' Parish, rent of parish house	48 25
Thorpe's Express, expressing	92 50
R. P. Tiltman, janitor services	25
Harry Tobin, horse shoeing	167 51
Turner Asbestos Co., pipe covering	39 25
Underhill Hardware Co., hardware	109 77
Sylvester Woods, carpentering	192 93
Mrs. M. J. Whitney, repairing flag	151 79
L. A. Wright, repairing	25 00
William J. Wiley, plumbing	17 10
Whitney & Snow, hardware	52 95
Asahel Wheeler Co., paints	59 67
H. W. Waite & Co., floor sprayers, etc., Wellington-Wild Coal Co., fuel	178 65
Charles A. G. Winther, washers, etc.	119 42
Walworth Mfg. Co., pipe fitting	15,746 24
Arthur W. Walker, repairing clocks	11 78
John M. Woods & Co., lumber	11 62
Frederick B. Witherly, castings	2 00
Henry A. Wheeler & Co., ensigns	188 65
West Disinfecting Co., disinfectant	12 22
Waldo Bros., clay, lime, etc.	88 45
G. A. Walker, painting	38 50
F. W. Webb Mfg. Co., curtain hooks	47 65
Yawman & Erbe Mfg. Co., filing case	215 00
Joseph A. Wickes, painting	2 00
I. B. Walker, repairing furnace	59 00
	4 50
	18 26
	<hr/>
	\$72,607 32
Highways Maintenance account, labor and trees	113 06
	<hr/>
Amount carried forward	\$72,720 38

Amount brought forward	\$72,720 38	
School Contingent account, furniture	56 82	
Water Maintenance account, gasoline, etc.,	19 93	
		<hr/>
	\$72,797 13	
Refunds, General Electric Co., credit on motors	1 02	
		<hr/>
		<u>\$72,796 11</u>

Bennett School Addition.

CREDIT.

Balance from 1911	\$1,190 00
Cash, received of P. J. Sullivan, old building	75 00
	<hr/>
	\$1,265 00
Balance to credit of account, 1913	166 71
	<hr/>
	<u>\$1,098 29</u>

DEBIT.

(Expenditures.)

Cash, paid William B. Dever, claim	\$150 00
J. F. Elkins, filling and grading yard	75 00
James H. Fannon, concreting	528 37
Leavis & Doherty, plumbing	62 13
W. J. McCarthy & Co., crushed stone	84 69
Sylvester Woods, building fence, etc.	198 10
	<hr/>
	<u>\$1,098 29</u>

Burns School Addition.

CREDIT.

Balance from 1911	\$778 00
Industrial School for Girls, amount transferred	778 00
	<hr/>
	<u>\$1,556 00</u>

William H. Hodgkins School Addition.

CREDIT.

Balance from 1911	\$5,029 85
Amounts transferred to the following accounts:—	
Industrial School for Girls	\$206 00
Incinerator Building	474 96
	<hr/>
	680 96
	<hr/>
	\$4,348 89
Building Public Buildings account, balance transferred	239 71
	<hr/>
	<u>\$4,109 18</u>

DEBIT.

(Expenditures.)

Cash, paid W. A. Snow Iron Works, con- structing fence	\$342 43
Margaret A. Simpson, land	3,766 75
	<hr/>
	<u>\$4,109 18</u>

Industrial School for Girls.

CREDIT.

Balance from 1911	\$162 28
William H. Hodgkins School Addition account, amount transferred	206 00
Burns School Addition account, amount transferred	778 00
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	\$1,146 28

DEBIT.

(Expenditures.)

Cash, paid C. C. Bowles & Co., machine	\$23 00
J. E. Locatelli & Co., mason work	317 20
J. E. L. McLean, on account of contract	440 68
Singer Sewing Machine Co., machine	86 40
Frank E. Seavey, roofing	191 00
Wilson & Gibbs Sewing Machine Co., machine, etc.	88 00
	<hr/>
	\$1,146 28

S. Newton Cutler School.

CREDIT.

Balance from 1911 (Schoolhouse in Ward Seven account), Appropriations, from Funded Debt, 1912	\$50,302 52
	10,000 00
	<hr/>
	\$60,302 52
Balance to credit of account, 1913	5,744 38
	<hr/>
	\$54,558 14

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries	\$166 86
F. C. Ayer, lumber	8 73
Ashton Valve Co., bubblers	35 28
Boston American, advertising	112 50
Boston Herald, advertising	28 60
Boston Post, advertising	70 20
Jackson Caldwell & Co., furniture	567 50
Carlisle-Ayer Co., house fittings	28 55
S. H. Couch Co., telephone installing	98 27
Alice I. Crawford, typewriting specifications	28 08
Fred W. Farrar, clocks, and repairing	46 50
W. J. Fermoyle, painting	41 00
Globe Newspaper Co., advertising	30 60
J. E. Gallagher, cutting name in stone	72 00
George E. Gilchrist Co., clips for pipe	2 80
Gilman Express Co., expressing	10 80
J. H. Gerlach Co., lumber	364 28
Kenney Bros. & Wolkins, desks	894 65
Leavis & Doherty, plumbing	3,288 00
T. E. Littlefield, lumber	23 43
Albert B. Murdough, on account of constructing school building	34,266 00
	<hr/>
Amount carried forward	\$40,184 63

Amount brought forward	\$40,184 63	
B. L. Makejeace, blue prints	11 03	
Wesley A. Maynard, advertising	3 56	
T. F. McGann & Sons, bronze rail	210 00	
William J. McCarthy & Co., labor and teaming	867 75	
George F. McKenna & Son, teaming	192 00	
N. Y. Insulated Wire Co., wire	184 42	
Newton & Dunbar, electrical work	575 43	
Pittsburgh Plate Glass Co., glass	3 01	
A. M. Pride, carpentering	103 20	
Pigeon-Fraser Hollow Spar Co., flag pole	154 00	
Pettingell-Andrews Co., electrical sup- plies	78 89	
H. T. Paiste Co., electrical supplies	30 04	
Somerville Enterprise, advertising	10 00	
P. J. Sullivan, installing steam heating plant	10,640 00	
Somerville Journal Co., advertising	7 50	
E. S. Sparrow & Co., hardware	699 19	
Sprague-Hathaway Co., framing	5 10	
William Thumith, excavating	246 00	
Western Electrical Co., electrical sup- plies	352 39	
		<u>\$54,558 14</u>

Schoolhouses, Additional Window Space.

CREDIT.

Balance from 1911	\$404 46
Balance to credit of account, 1913	30 34
	<u>\$374 12</u>

DEBIT.

(Expenditures.)

Cash, paid J. E. Locatelli & Co., mason and carpenter work, adding new windows in Morse school	<u>\$374 12</u>
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High School Addition.

CREDIT.

Appropriations, from Funded Debt, 1912	\$125,000 00
Balance to credit of account, 1913	124,248 33
	<u>\$751 67</u>

DEBIT.

(Expenditures.)

Boulevard Auto Co., hire of automobile	\$7 50
Brainerd & Leeds, plans	100 00
Alice I. Crawford, typewriting	17 40
H. J. Carlson, services	200 00
Kilman & Hopkins, plans	100 00
Israel P. Lord, plans	100 00
George S. McLaughlin, plans	100 00
Wesley A. Maynard, advertising	1 50
B. L. Makepeace, blue prints	12 52
	<u>\$638 92</u>
Amount carried forward	\$638 92

Amount brought forward	\$638 92	
W. H. & Henry McLean, plans	100 00	
Somerville Enterprise Co., advertising	9 25	
Somerville Journal Co., advertising	3 50	
		\$751 67

School Buildings, Fire Exits.

CREDIT.

Appropriations, from Funded Debt, 1912	\$5,000 00	
Balance to credit of account, 1913	2,322 34	
		\$2,677 66

DEBIT.

(Expenditures.)

Cash, paid John Lingard, painting	\$114 50	
C. S. Parris, iron stairs	925 00	
Daniel L. Shepard, building fire exit	1,638 16	
		\$2,677 66

Public School Trust Funds, Income.

CREDIT.

Cash, received from executors of estate of S. Newton Cutler, interest on legacy	\$25 00	
Income from invested funds	100 00	
		\$125 00
Balance to credit of account, 1913	125 00	
		125 00

LIBRARIES.

Public Library Construction.

CREDIT.

Appropriations, from Funded Debt, 1912	\$45,000 00	
Balance to credit of account, 1913	19,978 29	
		\$25,021 71

DEBIT.

(Expenditures.)

Cash, paid W. J. Dobinson, engravings	\$14 48	
Benjamin F. Freeman, photographs	10 00	
Kennedy & Peterson Construction Co., on account of contract	20,869 15	
B. L. Makepeace, blue prints	31	
Wesley A. Maynard, advertising	1 50	
G. F. McKenna & Son, teaming	87 00	
Somerville Journal Co., advertising	3 50	
Edward L. Tilton, architectural services,	4,034 62	
Whitney & Snow, spade	1 15	
		\$25,021 71

Central Library.

CREDIT.

Appropriation	\$21,900 00	
Excess and Deficiency account, balance transferred	02	
		\$21,899 98

DEBIT.	
(Expenditures.)	
Cash, paid Drew B. Hall, salary as librarian	\$2,644 24
disbursements	130 18
Nellie M. Whipple, assistant librarian .	878 84
disbursements	88 68
Esther M. Mayhew, cataloguer	700 00
Edith B. Hayes, assistant cataloguer . .	50 00
Bessie L. Duddy, librarian secretary . .	650 00
Anna L. Stone, assistant	650 00
Sundays	4 50
Mabel E. Bunker, assistant	674 00
Sundays	39 20
Mary S. Woodman, assistant	650 00
disbursements	1 82
A. Myrtle Merrill, assistant	603 20
Ruby G. White, assistant	36 92
A. Lisette Parker, assistant	262 34
Helen Spear, assistant	435 06
Myrtle Nicholson, assistant	40 28
Zoe E. Nelson, assistant	355 44
disbursements	1 82
William Mullaney, attendant	138 00
Margaret J. Hill, assistant	110 21
Helen M. Kaula, assistant	89 96
Susan W. Curtis, assistant	243 21
disbursements	1 82
Robert L. Stevenson, attendant	188 90
Gertrude F. Root, executive assistant .	460 34
disbursements	1 75
Marion Lovis, assistant	416 74
Edgar L. Kaula, attendant	133 60
Sundays	35 10
Richard Barlow, attendant	121 60
Oscar Cederlund, attendant	92 35
Ethel M. Nute, Sundays	6 10
Juliana Donovan, assistant	124 72
Sundays	3 20
disbursements	1 82
Dudley F. Holden, attendant	9 00
Hugh E. Maguire, attendant	76 00
Joseph K. Kelleher, attendant	78 00
Lucinda F. Spofford, Sundays	1 50
Louis T. O'Day, attendant	35 00
Bessie S. Cobb, Sundays	3 00
Richard J. Trum, attendant	21 60
Gordon Hall, attendant	28 05
Frank C. Stackpole, attendant	20 33
Thomas West, attendant	14 05
A. R. Andrews, sundries	1 75
American Library Association, book . . .	5 00
A. L. A. Publishing Board, books	28 45
Robert Appleton Co., books	18 00.
American Express Co., expressing	16 34
D. Appleton & Co., books	23 00
Amount carried forward	\$11,445 01

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 123

Amount brought forward	\$11,445 01
American Book Co., books	14 40
American Academy of Political and Social Science, periodicals	5 00
Annual Review Publishing Co., books	3 80
Architectural Review, periodical	5 00
Brown-Howland Co., sundries	389 51
Boston Book Co., periodicals	16 30
N. J. Bartlett & Co., books	9 90
Buffalo Public Library, books	3 00
F. J. Barnard & Co., binding	356 66
Justin J. Bradshaw, sundries	2 25
Benjamin's Express, expressing	1 25
N. A. Briggs, sharpener	5 00
College Bindery, binding	45 85
Charles H. Colgate, books	2 00
T. H. Castor & Co., books	2 15
W. B. Clarke Co., books	59 83
Committee on New Building, disburse- ments	60 68
Century Co., books	68 67
Council of Supervisors, books	15 00
Bernard Coddling, sundries	3 00
Carter, Rice & Co., stationery	43 87
Carnegie Library, Pittsburgh, books	12 60
Frances Rathbone Coe, revising	367 50
DeWolfe, Fiske Co., books	3,723 57
Oliver Ditson Co., music	3 00
Davenport-Brown Co., sundries	7 40
George E. Damon Co., books	2 20
Dennison Mfg. Co., sundries	1 89
Dodd, Mead & Co., books	8 10
Democrat Printing Co., catalogue rules	3 15
Thomas M. Durell, sundries	38 40
Essex Institute, books	5 00
Fitzherbert & Wing, periodicals	26 30
Franklin Institute, periodical	3 75
Ginn & Co., books	18 84
Gaylord Bros., supplies	4 00
Glines & Co., expressing	30 60
Gilman Express Co., expressing	73 34
W. A. Greenough & Co., directories	11 00
Thomas Groom & Co., stationery	89 16
Globe Stamp Works, supplies	30 48
Herman Goldberger, periodicals	987 05
Fritz N. Gienandt, books	3 00
J. B. Hunter & Co., supplies	15 25
L. A. E. Harding, agency	45 87
H. R. Hunting Co., books	349 08
Houghton Mifflin Co., books	39 64
Hopkinson & Holden, baskets	23 00
International Correspondence Schools, books	20 00
Incidentals, paid from fines, sundries	105 72
Frank J. Jameson, waste baskets	7 50
W. E. Lackey, periodicals	7 78
Library Art Club, membership	6 00
Amount carried forward	\$18,628 30

Amount brought forward	\$18,628 30
Little, Brown & Co., books	43 65
George E. Littlefield, books and peri- odicals	9 50
Library Bureau, supplies	139 87
Lothrop, Lee & Shepard Co., books	48 27
Lewiston Journal Co., periodicals	4 00
Library of Congress, stationery	250 00
Mercantile Press Club, books	1 25
Manual Arts Press, periodical	1 50
Marshall, Jones Co., periodicals	10 50
Medford Historical Society, periodicals,	1 00
Mixer Bros., sundries	5 80
McGraw-Hill Book Co., books	38 38
Mississippi Valley Historical Associa- tion, books	2 00
Wesley A. Maynard, periodicals	32 15
McDevitt-Wilson Bargain Book Shop, books	130 13
Ruth B. McLean, revising	59 30
Macmillan Co., books	11 21
James H. Matthews & Co., date holder	10 25
Mosler Safe Co., repairing lock	2 00
New England Historical Genealogical Society, periodical	5 00
New England Telephone & Telegraph Co., service	83 80
National Education Association, peri- odical	2 00
National Housing Association, books	2 00
National Conference of City Planning, books	5 30
Old Corner Book Store, books	39 03
Office, Bank & Library Co., keys	2 40
Prang & Co., books	4 00
Publishers' Weekly, periodicals	11 00
A. W. Phillips, express	5 30
Public Speaking Review, periodical	3 00
G. P. Putnam's Sons, books	5 70
Prince Society, books	15 00
Ritter & Flebbe, books	40 90
Harry J. Ramsey, agency	20 00
Royal Typewriter Co., machines	82 50
Remington Typewriter Co., repairing	16 00
L. C. Smith Typewriter Co., rent of machine	3 00
A. Storrs & Bement Co., supplies	6 38
Edward M. Sullivan, services	4 95
Charles Scribner's Sons, books	21 00
Stone & Forsyth, supplies	53 40
Society for Americana, books	7 50
Smith-Premier Typewriter Co., sundries,	3 50
Sampson & Murdock Co., books	12 50
Special Libraries Association, periodical,	2 00
Somerville Post-office, postage	95 82
Somerville Journal Co., printing	342 72
Thorpe's Express, expressing	3 75
Amount carried forward	<hr/> \$20,328 52

Amount brought forward	\$20,328 52
C. W. Thompson Co., music	145 72
University of Chicago Press, books	2 75
M. L. Vinal, sundries	23 29
L. A. Wells, binding	1,277 66
Samuel Ward Co., stationery	25 54
H. W. Wilson Co., supplies	101 86
F. S. Webster Co., carbon paper, etc.	7 22
Weekly Bulletin Publishing Co., books	2 50
Albert F. Ward, periodical	9 41
Warwick & York, periodical	1 50
Wisconsin Free Library Commission, books	2 50
Zion's Herald, periodical	1 25

\$21,929 72

Service Transfer, from School Contingent account	29 74
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\$21,899 98

Public Buildings Department, Maintenance Central Library.

CREDIT.

Appropriation	\$3,900 00
Maintenance School Buildings account, amount trans- ferred	250 00
	<u>\$3,650 00</u>
Excess and Deficiency account, balance transferred	117 02
	<u>\$3,532 98</u>

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries	\$1,133 81
George A. Ayer, plumbing	2 70
H. W. Bursaw, oil	30
Cambridge Gas Light Co., gas	40 67
Cotter's Express, expressing	1 35
Jackson Caldwell Co., desk	27 00
James Duncan, repairing chair	8 50
Davenport-Brown Co., wood work	11 87
Edison Electric Illuminating Co., light- ing	1,263 28
A. C. Gordon, painting	5 70
J. J. Hurley & Co., plumbing	20 61
Frank O. Johnson, plumbing	5 45
Knott & Heald Co., electrical supplies	83 17
J. C. McLean, table	2 50
J. Edward L. McLean, carpentering	22 13
Charles F. Mills, carpentering	27 80
Martin & Wood, key	5 95
N. D. B. Co., electrical work	83
W. E. Plumer & Co., hardware	25
A. W. Phillips, mason work	5 00
A. M. Pride, carpentering	46 46
George L. Robinson, painting	12 37

Amount carried forward \$2,727 70

Amount brought forward	\$2,727 70
Daniel L. Shepard, mason work	160 10
E. S. Sparrow & Co., hardware	20
C. H. Sanborn, repairing heating apparatus	6 80
Daniel Sullivan, oil	11
Underhill Hardware Co., supplies	6 40
Wellington-Wild Coal Co., fuel	601 67

 \$3,502 98

Water Maintenance account, service pipe 30 00

 \$3,532 98

West Somerville Branch Library.

CREDIT.

Appropriation	\$5,500 00
Excess and Deficiency account, balance transferred	01

 \$5,499 99

DEBIT.

(Expenditures.)

Cash, paid Alice W. Sears, branch librarian,	\$78 14
Lucy B. Crain, branch librarian	677 73
disbursements	36 32
Ethel M. Nute, assistant	51 77
Bessie S. Cobb, assistant	534 15
Ruth S. Fales, assistant	420 07
Helen Spear, assistant	16 00
Myrtle Nicholson, assistant	379 79
disbursements	1 82
Mary L. Foss, assistant	24 98
Ronald Moore, assistant	114 60
Mabel Williams, assistant	237 50
Marion Parker, attendant	9 15
Beulah Church, attendant	10 05
Arline Maxwell, attendant	6 75
Harold Ruggles, attendant	8 75
Butler Furniture Co., furniture	12 60
Boston Book Co., periodical	1 55
Cambridge Ice Co., ice	8 40
Carter, Rice & Co., mounts	3 00
Century Co., books	68 67
DeWolfe, Fiske & Co., books	1,857 15
Dodd, Mead & Co., books	8 10
W. A. Greenough & Co., directories	11 00
Herman Goldberger, periodicals	80 05
Thomas Groom & Co., office supplies	2 00
Gaylord Bros., binders	4 83
H. R. Huntting Co., books	38 85
Library Bureau, periodical	2 00
Lothrop, Lee & Shepard Co., books	18 62
Wesley A. Maynard, periodical, etc.	12 60
New England Telephone & Telegraph Co., service	24 41
The Prang Co., books	3 20
Somerville Journal Co., printing	3 40

 Amount carried forward \$4,768 00

Amount brought forward	\$4,768 00
Sampson & Murdock Co., directory	6 50
Leslie H. Steele, periodicals	39 23
C. W. Thompson & Co., music	73 54
H. W. Wilson Co., periodicals	34 00
L. A. Wells, binding	578 72
	<hr/>
	\$5,499 99

**Public Buildings Department, Maintenance West Somerville
Branch Library.**

CREDIT.

Appropriation	\$1,750 00
Maintenance School Buildings account, amount transferred	100 00
	<hr/>
	\$1,650 00
Excess and Deficiency account, balance transferred	55 95
	<hr/>
	\$1,705 95

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries	\$778 00
M. P. Canfield, gardening	32 00
Edison Electric Illuminating Co., lighting	423 90
A. C. Gordon, signs	21 00
Charles H. M. Hunnewell, plumbing	12 69
Knott & Heald Co., piping	3 24
Leavis & Doherty, grate bars	11 50
McKenney & Waterbury Co., electrical supplies	33 92
J. Edward L. McLean, carpentering	4 15
Arthur McGivrey & Co., electrical work	25 72
C. W. H. Moulton & Co., step ladder	4 50
Martin & Wood, repairing lock	75
Newton & Dunbar, electrical work	1 20
George L. Robinson, painting	43 06
E. S. Sparrow & Co., gasoline	5 30
I. B. Walker, sign irons	1 20
H. W. Waite & Co., floor oil	3 75
Wellington-Wild Coal Co., fuel	243 32
Henry A. Wheeler & Co., awnings	56 75
	<hr/>
	\$1,705 95

Ward One Branch Library.

CREDIT.

Balance from 1911	\$132 72
Building Public Buildings account, amount transferred	53 28
	<hr/>
	\$79 44

DEBIT.

(Expenditures.)

Cash, paid F. W. Leeman, repairing and painting	\$39 50
Martin & Wood, electrical work	39 94
	<hr/>
	\$79 44

Union Square Branch Library.

CREDIT.

Balance from 1911	\$815 55
Building Public Buildings account, balance transferred	14 24
	<hr/>
	\$801 31

DEBIT.

(Expenditures.)

Cash, paid J. Edward L. McLean, carpentering	\$801 31
	<hr/>

East Somerville Reading Room.

CREDIT.

Appropriation	\$1,750 00
Revenue account, amount appropriated	250 00
	<hr/>
	\$2,000 00
Excess and Deficiency account, balance transferred	01
	<hr/>
	\$1,999 99

DEBIT.

(Expenditures.)

Cash, paid Edith B. Hayes, salary as	
custodian	\$329 09
disbursements	18 90
Ruby G. White, assistant	497 23
A. Lisette Parker, assistant	166 83
Susan W. Curtis, assistant	64 83
Alice E. Meehan, attendant	9 15
Marion Towle, attendant	9 60
DeWolfe & Fiske Co., books	498 12
Thomas Groom & Co., stationery	5 92
Globe Stamp Works, sundries	1 30
W. A. Greenough & Co., directory	4 00
Herman Goldberger, periodical	4 50
Gaylord Bros., binders	2 33
H. R. Huntting Co., books	33 80
Library Bureau, sundries	3 30
Wesley A. Maynard, printing	3 75
New England Telephone & Telegraph	
Co., service	24 44
Nangle Bros., periodicals	13 05
Somerville Journal Co., printing	3 35
Sampson & Murdock Co., directory	6 50
	<hr/>
	\$1,999 99

Public Buildings Department, Maintenance East Somerville Reading Room.

CREDIT.

Appropriation	\$800 00
Maintenance School Buildings account, amount transferred	50 00
	<hr/>
	\$750 00
Excess and Deficiency account, balance transferred	35 60
	<hr/>
	\$785 60

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries	\$252 18	
J. M. Andrews & Son, carpentering	12 74	
Armstrong Bros., plumbing	1 10	
Bernard S. Codding, repairing clock	2 00	
Jackson Caldwell & Co., tables and chairs	102 40	
Edison Electric Illuminating Co., lamps	36 35	
J. H. Edwards, wrench	40	
A. C. Gordon, signs	26 25	
Gilman Express Co., expressing	40	
E. E. Gray Co., rent of block for library	90 00	
Knight & Thomas, fire extinguisher	14 00	
John Lingard, painting and whitewashing	26 50	
C. W. H. Moulton & Co., step ladder	4 50	
J. Edward L. McLean, carpentering	2 60	
Martin & Wood, keys	80	
Estate of Safrona P. Roberts, rent	60 00	
Herbert H. Roberts, rent	100 00	
George L. Robinson, painting	50	
Stone & Forsyth, towel rolls	1 20	
I. B. Walker, sign irons	80	
Henry A. Wheeler & Co., awning recovered	15 00	
Wellington-Wild Coal Co., fuel	35 88	
		<u>\$785 60</u>

Unlon Square Reading Room.

CREDIT.

Appropriation	\$1,750 00
Excess and Deficiency account, amount transferred	500 00
Revenue account, amount appropriated	150 00
	<u>\$2,400 00</u>
Excess and Deficiency account, balance transferred	1 62
	<u>\$2,398 38</u>

DEBIT.

(Expenditures.)

Cash, paid Mrs. Lucinda F. Spofford, custodian	\$552 42
disbursements	26 30
Ethel M. Nute, assistant	528 68
A. Lisette Parker, assistant	36 00
Helen M. Kaula, assistant	13 50
Zoe E. Nelson, assistant	64 63
Juliana Donovan, assistant	97 39
Velma Zeigler, attendant	9 00
Ruth Alexander, attendant	6 75
Elsie Abrams, attendant	90
De Wolfe & Fiske Co., books	800 89
Gaylord Bros., pamphlet binders	2 32
Amount carried forward	<u>\$2,138 78</u>

Amount brought forward	\$2,138 78
W. A. Greenough & Co., books	4 00
Globe Stamp Works, sundries	1 30
Thomas Groom & Co., stationery	6 55
Herman Goldberger, periodicals	111 05
H. R. Huntting Co., books	34 80
Library Bureau, sundries	13 85
George V. McCauley, newspapers	15 72
McDevitt-Wilson Co., books	32 50
New England Telephone & Telegraph Co., service	23 74
Somerville Journal Co., printing	3 40
Sampson & Murdock Co., directory	6 50
Samuel Ward Co., sundries	6 19
	<u>\$2,398 38</u>

**Public Buildings Department, Maintenance Union Square
Reading Room.**

CREDIT.

Appropriation	\$700 00
Maintenance School Buildings account, amount trans- ferred	50 00
	<u>\$650 00</u>
Excess and Deficiency account, balance transferred	39 93
	<u>\$610 07</u>

DEBIT.

(Expenditures.)

Cash, paid janitor's salary	\$287 00
Jackson Caldwell & Co., table and chairs,	128 80
Edison Electric Illuminating Co., light- ing	42 10
Fred W. Farrar, repairing clock	2 00
A. C. Gordon, signs	17 25
Knight & Thomas, fire extinguishers	28 00
J. C. McLean, table and mirror	6 50
Martin & Wood, keys	50
New England Telephone & Telegraph Co., service	1 16
W. E. Plumer & Co., hardware	28
E. S. Sparrow & Co., hardware	2 45
I. B. Walker, sign irons	80
Wellington-Wild Coal Co., fuel	93 23
	<u>\$610 07</u>

PUBLIC LIBRARY TRUST FUNDS.

Public Library, Isaac Pitman Fund, Income, Art.

CREDIT.

Balance from 1911	\$285 29
Cash, income from invested funds	170 14
	<u>\$455 43</u>
Balance to credit of account, 1913	176 41
	<u>\$279 02</u>

DEBIT.

(Expenditures.)

Cash, paid for books and pictures:—

Central Library	\$276 33	
West Somerville Branch Library	2 69	
		\$279 02

Public Library, Isaac Pitman Fund, Income, Poetry.

CREDIT.

Balance from 1911	\$82 26	
Cash, income from invested funds	42 54	
		\$124 80
Balance to credit of account, 1913	46 28	
		\$78 52

DEBIT.

(Expenditures.)

Cash, paid for books:—

Central Library	\$55 21	
West Somerville Branch Library	9 81	
East Somerville Reading Room	6 75	
Union Square Reading Room	6 75	
		\$78 52

Public Library, Martha R. Hunt Fund, Income, Books.

CREDIT.

Balance from 1911	\$447 00	
Cash, income from invested funds	495 27	
		\$942 27
Balance to credit of account, 1913	70 79	
		\$871 48

DEBIT.

(Expenditures.)

Cash, paid for books:—

Central Library	\$589 45	
West Somerville Branch Library	53 42	
East Somerville Reading Room	138 30	
Union Square Reading Room	90 31	
		\$871 48

Public Library, Martha R. Hunt Fund, Income, Art.

CREDIT.

Balance from 1911	\$52 50	
Balance to credit of account, 1913	52 50	
		\$105 00

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

CREDIT.

Balance from 1911	\$6 15
Cash, income from invested funds	7 16
	<hr/>
	\$13 31
Balance to credit of account, 1913	13 31
	<hr/> <hr/>

S. Newton Cutler Library Fund, Income.

CREDIT.

Cash, received from trustees, interest on legacy	\$5 00
Income on invested funds	20 00
	<hr/>
	\$25 00
Balance to credit of account, 1913	25 00
	<hr/> <hr/>

RECREATION.

Engineering Department, Parks Maintenance.

CREDIT.

Appropriation	\$7,800 00
Excess and Deficiency account, balance transferred	477 08
	<hr/>
	\$8,277 08

DEBIT.

(Expenditures.)

Cash, paid laborers	\$5,168 01
Joseph Breck & Sons, repairing mower, Barrett Mfg. Co., tarvia	5 00
Charles E. Berry, sharpening mowers, etc.	327 91
J. A. Durell, supplies	72 04
Davenport-Brown Co., posts	6 45
Fellows & Co., repairing ladder	2 40
F. C. Fuller & Co., rakes	90
Thomas J. Grey Co., knife blade	1 95
A. C. Gordon, carpentering	1 10
Gilman's Express Co., expressing	53 36
J. W. Howard, plants, bulbs, etc.	1 25
Hemeon Bros., carpentering	1,316 90
Kantskid Tread Mfg. Co., repairing casings	126 19
George W. Manning, halyards	41 00
Martin & Wood, sharpening saws, etc.	17 75
M. Norton & Co., hay rakes	21 80
Annie E. O'Brien, repairing flag	51 30
Mrs. K. Patri, repairing flag	2 00
W. E. Plumer & Co., hardware	3 00
E. S. Sparrow & Co., hardware	10 87
James Tevlin, teaming	26 28
Underhill Hardware Co., supplies	514 76
The Underhill Co., repairing automobile, etc.	12 80
	45 09
Amount carried forward	<hr/>
	\$7,830 11

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 133

Amount brought forward	\$7,830 11	
L. A. Wright, handle	2 50	
Whitney & Snow, hardware	75 54	
Waldo Bros., lime	1 50	
Samuel Ward Co., ledger and day-book,	6 50	
I. B. Walker, sharpening	15 16	
Henry A. Wheeler & Co., flags	14 74	
	<hr/>	
	\$7,946 05	
Highways Maintenance account, labor and materials	713 90	
Water Maintenance account, repairing pipes, etc.	62 43	
	<hr/>	
	\$8,722 38	
Service Transfers, from sundry accounts	445 30	
	<hr/>	
		<u>\$8,277 08</u>

Public Buildings Department, Maintenance Park Buildings.

CREDIT.

Appropriation	\$300 00
Maintenance School Buildings account, amount transferred	100 00
	<hr/>
	\$200 00
Excess and Deficiency account, balance transferred	34 87
	<hr/>
	<u>\$234 87</u>

DEBIT.

(Expenditures.)

Cash, paid janitor's salary	\$4 00
Ashton Valve Co., bubblers	5 40
Armstrong Bros., plumbing	98
George A. Ayer, plumbing	5 53
F. C. Ayer, lumber	20 84
Michael J. Bowdren, gardening	3 75
Jackson Caldwell & Co., chairs	13 75
Davenport-Brown Co., cypress posts	5 40
Edison Electric Illuminating Co., lighting	27 20
temporary service	15 00
Leavis & Doherty, plumbing	4 75
T. E. Littlefield, lumber	20 27
Charles F. Mills, carpentering	24 00
J. Edward L. McLean, carpentering	24 70
G. F. McKenna & Son, teaming	15 00
Somerville Coal Co., fuel	43 50
E. S. Sparrow & Co., hardware	80
	<hr/>
	<u>\$234 87</u>

Engineering Department, Playgrounds Maintenance.

CREDIT.

Appropriation	\$3,300 00
Excess and Deficiency account, balance transferred	15
	<hr/>
	<u>\$3,299 85</u>

DEBIT.	
(Expenditures.)	
Cash, paid laborers	\$2,183 71
F. C. Ayer, lumber	20 71
American Express Co., expressing	20
Charles E. Berry, supplies	120 68
Braman, Dow & Co., pipe	36 78
C. W. Cahalan, plumbing and supplies	87 54
E. W. Danforth, tire, etc.	26 50
Davenport-Brown Co., poles	6 15
Fellows & Co., lumber	2 04
A. C. Gordon, score board	8 00
Gilman Express Co., expressing	2 00
Hemeon Bros., carpentering	94 48
Highland Coal Co., lime	11 25
Ideal Supply Co., pipe	3 70
Iver Johnson Sporting Goods Co., flags, etc.	2 20
Harvard Vulcanizing Co., repairing tubes	4 70
Hanson's Somerville Express, express- ing	3 00
The Linen Thread Co., netting	2 19
Charles F. Mills, carpentering	44 00
George W. Manning, repairing gym- nasium	11 25
Parker & Page Co., dowels	4 79
George W. Rogers & Co., canvas	106 00
E. S. Sparrow & Co., paint	8 80
Sullivan & Daley Co., battery	60 00
Alden Speare's Sons Co., tasscoil	333 36
James Tevlin, teaming	200 38
The Underhill Co., repairing automobile, L. A. Wright, bolts and plates	21 58
I. B. Walker, repairing	1 00
Whitney & Snow, hardware	3 93
Wright & Ditson, bases and plates	38 23
	31 60
	<hr/>
	\$3,480 75
Street Sprinkling account, tasscoil	72 00
Highways Maintenance account, crushed stone	52 61
Police Department account, service of officers	42 50
	<hr/>
	\$3,647 86
Service Transfers, from sundry accounts	348 01
	<hr/>
	<u>\$3,299 85</u>

Playgrounds Extension.

CREDIT.	
Appropriations, from Funded Debt, 1912	\$2,000 00
Balance to credit of account, 1913	2 58
	<hr/>
	\$1,997 42

DEBIT.

(Expenditures.)

Cash, paid laborers	\$60 45	
C. W. Cahalan	660 57	
W. A. Snow Iron Works, fence and gates	698 45	
H. P. Tibbetts, lumber and carpentering,	8 17	
		<hr/>
	\$1,427 64	
Playgrounds Maintenance account, labor and material	274 62	
Parks Maintenance account, labor and materials	295 16	
		<hr/>
		<u>\$1,997 42</u>

Somerville Field.

CREDIT.

Balance from 1911 (Recreation Field, Alewife Brook account)	\$74 68
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DEBIT.

(Expenditures.)

Parks Maintenance account, construction work	<u>\$74 68</u>
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School Department, Summer Playgrounds.

CREDIT.

Appropriation	\$2,500 00
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DEBIT.

(Expenditures.)

Cash, paid laborers	\$1,489 50
Boston Dry Goods Co., supplies	16 83
Charles E. Berry, labor and material	34 24
Boston Badge Co., prize pins	15 00
Charles S. Clark, disbursements	2 20
Elizabeth M. Collins, disbursements	27 20
Mary A. Donovan, salary	10 92
Dame, Stoddard Co., supplies	5 00
Davenport-Brown Co., lumber	48 92
Dennison Mfg. Co., tags	7 45
Arthur L. Doe, hooks	1 75
Gilman Express Co., expressing	2 65
James A. Houston Co., swings and bath supplies	2 40
J. W. Howard, trees	16 00
J. L. Hammett Co., supplies	46 20
Hill-Michie Co., rent of automobile	3 00
J. B. Hunter & Co., supplies	5 35
Iver Johnson Sporting Goods Co., towels	36 00
Frank Mahoney, travel	2 00
New England Towel Supply Co., bath supplies	35 68
W. E. Plumer & Co., supplies	55 09
A. R. Rockwood, carriage hire	18 50
	<hr/>
Amount carried forward	\$1,881 88

Amount brought forward	\$1,881 88	
John Shea, labor	7 00	
S. M. Spencer Mfg. Co., stencils	1 08	
Stuart-Howland Co., tape	8 00	
A. G. Spaulding & Bros., swings	62 85	
Teel's Band, services	70 40	
James Wall, salary	18 00	
Whitney & Snow, supplies	18 36	
John W. Wallen, travel	1 90	
I. B. Walker, supplies	33 50	
Wright & Ditson, supplies	185 16	
Walworth Mfg. Co., pipe	55 29	
N. G. Wood & Sons, stop watch	7 00	
Yawman & Erbe Mfg. Co., supplies	75	
		<hr/>
	\$2,351 17	
Playgrounds Maintenance account, labor and materials	73 39	
School Contingent account, jumping stand- ards, etc.	68 09	
Water Maintenance account, stock and labor	7 35	
		<hr/>
		<u>\$2,500 00</u>

Public Buildings Department, Maintenance Bathhouse.

CREDIT.

Appropriation	\$2,200 00
Maintenance School Buildings account, amount trans- ferred	100 00
	<hr/>
	\$2,100 00
Balance to credit of account, 1913	43 90
	<hr/>
	\$2,056 10

DEBIT.

(Expenditures.)

Cash, paid weekly salaries	\$811 78
F. C. Ayer, lumber	87 45
George A. Ayer, plumbing	50
Carlisle-Ayer Co., supplies	11 85
C. W. Cahalan, plumbing	18 67
Cambridge & Somerville Laundry, laundering	140 91
Edwin P. Fitzgerald, balance due as life guard, 1911	39 00
Gilman Express Co., expressing	15
P. Hurley, lamp lighting	30 00
Iver Johnson Sporting Goods Co., sup- plies	218 25
Knight & Thomas, fire extinguishers	42 00
William J. McCarthy Co., sand	372 60
Martin & Wood, keys	35
Charles F. Mills, carpentering	136 00
G. F. McKenna & Son, teaming	7 00
Pittsburgh Plate Glass Co., glass	2 62
	<hr/>
Amount carried forward	\$1,919 13

Amount brought forward	\$1,919 13	
William Read & Son, supporter	90	
George L. Robinson, painting	22 00	
E. S. Sparrow & Co., hardware	78 69	
S. M. Spencer Mfg. Co., stencil and brush	57	
Trimount Press, printing tickets	14 00	
Underhill Hardware Co., hardware	60	
Asahel Wheeler Co., paints	12 21	
Henry A. Wheeler & Co., awning	12 00	
	<hr/>	
	\$2,060 10	
Refunds, Iver Johnson Sporting Goods Co., bill paid twice	4 00	
	<hr/>	
		<u>\$2,056 10</u>

CELEBRATIONS.

Memorial Day.

	CREDIT.	
Appropriation		\$425 00
	DEBIT.	
	(Expenditures.)	
Cash, paid Frank E. Draper Camp, 41, S. A. W. V., observance of Memorial Day	\$75 00	
Willard C. Kinsley Post, 139, G. A. R., observance of Memorial Day	350 00	
	<hr/>	
		<u>\$425 00</u>

Independence Day.

	CREDIT.	
Contingent Fund account, amount transferred		\$500 00
	DEBIT.	
	(Expenditures.)	
Cash, paid Somerville Fourth of July Association, cele- bration of Independence Day		\$500 00
	<hr/>	
		<u>\$500 00</u>

UNCLASSIFIED.

Municipal Documents.

	CREDIT.	
Excess and Deficiency account, amount transferred	\$1,500 00	
Appropriation	600 00	
Revenue account, amount appropriated	252 47	
	<hr/>	
		\$2,352 47
	DEBIT.	
	(Expenditures.)	
Cash, paid Somerville Journal Co., printing annual reports	\$1,561 78	
ordinances	773 19	
Somerville Post-office, postage	17 50	
	<hr/>	
		<u>\$2,352 47</u>

Contingent Fund.

CREDIT.	
Excess and Deficiency account, amount transferred	\$300 00
Appropriation	800 00
Municipal Loan, amount appropriated	7,000 00
	<hr/>
	\$8,100 00
Independence Day account, amount transferred	500 00
	<hr/>
	\$7,600 00
Excess and Deficiency account, balance transferred	7,038 20
	<hr/>
	\$561 80

DEBIT.	
(Expenditures.)	
Cash, paid John Bousfield, ringing bell	\$11 00
John H. Dusseault, expenses	47 80
Fifth Massachusetts Regiment Veteran Association, reunion expenses	150 00
Benjamin F. Freeman, frame, portrait, etc.	101 00
Enoch Ghent, ringing bell	8 00
George N. Hager, ringing bell	3 00
J. W. Howard, floral designs	60 00
H. A. Kendall, ringing bell	9 00
Howard Lowell & Sons, carriage hire	10 00
M. G. Staples, ringing bell	7 00
W. C. Towne, ringing bell	5 00
Thirty-ninth Massachusetts Regiment Association, catering and music	150 00
	<hr/>
	\$561 80
	<hr/> <hr/>

Building Public Buildings.

CREDIT.	
Balance from 1911	\$90 02
Amounts transferred from the following accounts:—	
City Hall, Additional Accommodations	36 58
Police Building, Vault	5 10
Fire Station, Winter Hill	11 80
Hodgkins School Addition	239 71
Ward One Branch Library	53 28
Union Square Branch Library	14 24
	<hr/>
	\$450 73
Balance to credit of account, 1913	450 73
	<hr/> <hr/>

MUNICIPAL INDEBTEDNESS.**Interest.**

CREDIT.	
Appropriation	\$80,000 00
Water Works Income account, amount appropriated	1,740 00
	<hr/>
	\$81,740 00
Police Department account, amount transferred	2,000 00
	<hr/>
Amount carried forward	\$79,740 00

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 139

Amount brought forward	\$79,740 00
Cash, received accrued interest on bond issues, 1912	1,751 89
	<hr/>
	\$81,491 89
Excess and Deficiency account, balance transferred	517 37
	<hr/>
	\$80,974 52

DEBIT.

Coupons maturing April 1, 1912	\$12,635 00	
Coupons maturing July 1, 1912	13,317 50	
Coupons maturing October 1, 1912	11,787 50	
Coupons maturing January 1, 1913	14,320 00	
	<hr/>	\$52,060 00
Cash, paid interest on Registered Bonds:—		
Interest due April 1, 1912	\$4,475 00	
Interest due July 1, 1912	1,560 00	
Interest due October 1, 1912	3,980 00	
Interest due January 1, 1913	1,990 00	
	<hr/>	12,005 00
On Temporary Loans:—		
Notes Nos. 99-104, 254 days	\$1,968 50	
Notes Nos. 105-116, 264 days	4,092 00	
	<hr/>	
	\$6,060 50	
Less premium	2 00	
	<hr/>	\$6,058 50
Notes Nos. 117-119, 230 days	878 47	
Notes Nos. 120-125, 343 days	\$3,506 22	
Less premium	1 00	
	<hr/>	3,505 22
Notes Nos. 126-128, 126 days	595 00	
Notes Nos. 125-135, 288 days	2,864 00	
Notes Nos. 145-150, 152 days	3,008 33	
	<hr/>	16,909 52
		<hr/> <hr/>
		\$80,974 52

Memorandum Showing Total 1912 Interest.

Interest on Temporary Loans of City	\$16,909 52
Interest on City Bonds:—	
Water Bonds	\$1,740 00
City Loan, etc.	62,325 00
	<hr/>
	64,035 00
Amount carried forward	<hr/> <hr/>
	\$80,974 52

Amount brought forward	\$80,974 52
Interest on Metropolitan Assessments:— (See Commonwealth of Massachusetts account)	
Metropolitan Sewers	\$27,206 08
Metropolitan Parks	13,350 94
Charles River Basin	2,771 33
Alewife Brook	498 75
Metropolitan Water Assessment	68,205 16
	<hr/>
	112,032 26
Interest on State Assessments:— (See Commonwealth of Massachusetts account)	
Abolition of Grade Crossings	1,973 53
	<hr/>
	<u>\$194,980 31</u>

Reduction of Funded Debt.

	CREDIT.	
Balance from 1911		\$7,579 80
Appropriation		166,000 00
Water Works Income, amount appropriated (Water Bonds)		6,000 00
		<hr/>
		\$179,579 80
Maintenance School Buildings account, amounts transferred		2,579 80
		<hr/>
		\$177,000 00
Balance to credit of account, 1913		5,848 20
		<hr/>
		\$171,151 80
Cash, received premiums on bonds		6,220 70
		<hr/>
		\$177,372 50
	DEBIT. (Expenditures.)	
Cash, paid bonds maturing in 1912	\$177,000 00	
Old Colony Trust Company, preparation and certification of bonds	372 50	
	<hr/>	
		<u>\$177,372 50</u>

Memorandum of Total Payments in 1912 on Account of Debt.

Water Bonds	\$6,000 00
City Loan, Sewer, etc.	171,000 00
On account of Metropolitan District Debt:— (See Commonwealth of Massachusetts account)	
Metropolitan Sewers	\$15,364 74
Metropolitan Parks	4,705 82
Charles River Basin	200 64
Alewife Brook	750 00
Metropolitan Water Assessment	24,915 28
	<hr/>
	45,936 48
On account of State Assessment:— (See Commonwealth of Massachusetts account)	
Abolition of Grade Crossings	9,088 87
	<hr/>
	<u>\$232,025 35</u>

PUBLIC SERVICE ENTERPRISES.**Water Maintenance.**

CREDIT.	
Appropriation	\$30,000 00
Revenue, amount appropriated	4,000 00
	<hr/>
	\$34,000 00
Excess and Deficiency account, balance transferred	6,422 07
	<hr/>
	\$40,422 07

DEBIT.	
(Expenditures.)	
Cash, paid laborers	\$22,058 07
Frank E. Merrill, salary as water commissioner	2,300 00
disbursements, and auto use	326 41
Lillian E. Leavitt, assistant	900 00
Laura E. Peavey, assistant	228 82
Marion L. Morrison, assistant	632 72
Josephine M. Sander, assistant	219 26
Lula E. Chapman, clerical services	204 00
Edna L. Goodwin, clerical services	64 00
Eleanor P. Turner, clerical services	9 34
Charles R. Hildred, foreman assistant	1,033 50
American Express Co., expressing	24 61
American Belting & Tanning Co., leather	1 05
C. Bowen, teaming	16 00
Boston & Lockport Block Co., hose	10 50
Charles Booth, wood	8 00
Patrick J. Bergin, disbursements	4 00
D. J. Bennett, harness repairs	60 75
Boston & Maine Railroad, freight	243 54
Braman, Dow & Co., service fittings	950 68
Brown-Howland Co., cards	9 80
Builders' Iron Foundry, castings	787 30
George L. Brown, torch	2 00
Harold L. Bond Co., packing and tools	109 55
W. H. Broderick, veterinary services	6 00
Cambridge Ice Co., ice	3 93
Commonwealth of Massachusetts, inspection	5 00
Columbia Tire & Top Co., repairing curtains	5 50
Frank E. Cutter, automobile	500 00
Joe Cotter, sheet iron	12 00
Chadwick-Boston Lead Co., lead pipe	1,236 39
City of Cambridge, offset	5 35
Earl C. Combie, disbursements	8 96
Chapman Valve Mfg. Co., valves	255 30
Crossman Plating Co., side lights	3 25
W. R. Conard, inspection	56 91
Cambridge Gas Light Co., repairing pipe	4 46
Leander T. DeCelles, labor	11 17
Neils A. Dolleris & Son Co., tanks	3 00
Amount carried forward	<hr/> \$32,321 12

Amount brought forward	\$32,321 12
Julian D'Este Co., brass, etc.	161 25
J. A. Durell, fittings	70
Davenport-Brown Co., lumber	2 90
L. J. Dervin, services	2 00
The Elliott Co., stencil blanks	6 31
J. H. Edwards, blacksmithing	230 88
Edson Mfg. Co., tools	13 23
Eastern Salt Co., salt	15 59
A. M. Eames & Co., rims	3 00
Frank E. Fitts Mfg. & Supply Co., waste	22 69
Firestone Tire & Rubber Co., tires	70 60
Fresh Pond Ice Co., ice	72 01
Green & Swett Co., oils	62 36
W. A. Greenough & Co., directory	4 00
Glines & Co., expressing	55
A. C. Gordon, painting	1 50
The B. F. Goodrich Co., tires	109 38
Gilman Express Co., expressing	54 58
F. W. Gilbert, rubber boots	51 00
Thomas Groom & Co., books	47 00
Globe Gas Light Co., furnaces	10 69
Gulf Refining Co., oil	115 72
Grace S. Graves, multigraphing	8 00
The Gould Mfg. Co., leathers	20
The Charles R. Gow Co., labor	63 40
R. D. Hildred, carfares	11 30
Fred A. Houdlette & Son, pipe	2,563 50
Hood Rubber Co., tires	21 75
Hill-Michie Co., oil and tires	85 63
Hersey Mfg. Co., meter parts	44 29
William S. Howe, tray, etc.	18 89
Hoffman Paint & Varnish Co., oil	9 31
International Harvester Co., repairs to truck	110 11
The Kehew Bradley Co., oil	3 00
J. A. Kiley, labor on truck	70 90
Ludlow Valve Mfg. Co., valves	601 70
Lord & Webster Co., hay	207 12
George W. Ladd, blacksmithing	193 45
Lead Lined Iron Pipe Co., pipe and fittings	2,025 03
T. E. Littlefield, lumber	138 29
Library Bureau, cards	56 64
Mason Regulator Co., engine parts	35 37
Metropolitan Water & Sewerage Board, pipe, etc.	155 35
H. Mueller Mfg. Co., service fittings	431 52
Melrose Automobile Co., vaporizer	1 50
Wesley A. Maynard, printing	13 50
Thomas McNeill, disbursements and overtime	62 47
Martin & Wood, sharpening tools	6 95
Millett Signal Co., detectorphone	10 00
New England Towel Supply Co., use of towels	5 40
Amount carried forward	<u>\$40,333 63</u>

Amount brought forward	\$40,333 63
New England Telephone & Telegraph Co., service	183 34
National Meter Co., meter parts	39 53
Neptune Meter Co., meters	515 58
Norwood Engineering Co., hydrants	561 95
North Somerville Coal Co., use of horse	6 00
Fulton O'Brion, grain	344 24
Elizabeth Oxley, claim	20 00
Owl Supply Co., clips	4 50
The Pratt & Cady Co., gates	319 94
W. E. Plumer & Co., tools, etc.	113 68
Parry Brick Co., bricks	19 35
Phelps Bros., grain	74 18
George G. Page Box Co., meter boxes	34 30
Postal Telegraph Cable Co., telegrams	89
Henry W. Perry, acid	1 04
The Prest-O-Lite Co., tanks re-charged	60
Proctor Bros. Grain Co., grain	134 85
Russell Shoe Co., rubber boots	10 50
Renner's Express, expressing	15
Rensselaer Valve Co., valves and hy- drants	647 65
John B. Rufer, blacksmithing	72 15
Remington Typewriter Co., repairs	2 70
Sanborn Map Co., corrections	10 00
Florence P. Stoddard, claim	1 50
Stewart & Clark Mfg. Co., shafts	6 55
E. S. Sparrow & Co., tools	91 85
Standard Oil Company of New York, gasoline	808 23
Stanley Motor Carriage Co., repairs	191 68
Frederick W. Shepperd, subscription	3 00
Somerville Iron Foundry, castings	435 89
Somerville Journal Co., printing	452 35
J. Silk Co., sand	14 00
Standard Cast Iron Pipe & Foundry Co., pipe and fittings	2,872 68
Somerville Post-office, postage	752 48
Scott & Tingloff, oak rings	17 50
L. H. Truesdell & Co., labor, etc.	7 00
Thompson, Durkee Co., tips for bubblers	5 88
Fred J. Thomsen, disbursements	13 05
Turner Asbestos Co., pipe covering	9 26
Turner & Co., envelopes	52 50
Thomson Meter Co., meters	2,029 14
William J. Thompson & Co., wood	159 60
Nathan Tufts & Sons, grain	59 20
Underhill Hardware Co., tools	66 62
Union Water Meter Co., meters and service fittings	1,477 04
Vernon Street Garage, chains	7 20
William E. Valentine & Co., stencils	4 93
W. H. Vinton, washers	2 75
I. B. Walker, labor	75
Amount carried forward	<u>\$52,993 38</u>

Amount brought forward	\$52,993 38
R. Woodman Mfg. & Supply Co., wire	33 14
Samuel Ward Co., books	106 48
Wetherbee Bros., engine, etc.	17 00
Walworth Mfg. Co., service fittings	96 66
Henry R. Worthington, meters	1,982 59
The Wilkins Press, order books	16 10
R. D. Wood & Co., hydrants and valves,	198 94
Waldo Bros., pipe and cement	48 97
Wadsworth, Howland & Co., paint	6 54
Whitney Mfg. Co., chain links	71
A. J. Wilkinson & Co., tools, etc.	95 50
Frederick B. Witherly, castings	347 47
Webber Washer Co., washers	7 63
C. L. York Co., teaming	52 28

\$56,003 39

Sewers Maintenance account, constructing chamber	14 40
Highways Maintenance account, re-locating tracks, etc.	179 35
Paved Gutters and Crossings account, bricks	96

\$56,198 10

Service Transfers, from sundry accounts 15,776 03

\$40,422 07

Water Works Extension.

CREDIT.

Appropriation	\$17,000 00
Revenue, amount appropriated	6,000 00
	<u>\$23,000 00</u>
Excess and Deficiency account, balance transferred	410 48

\$23,410 48

DEBIT.

(Expenditures.)

Cash, paid laborers	\$6,147 32
T. Allen, teaming	10 00
Boston & Maine Railroad, freight	7 63
C. Bowen, teaming	40 00
Bartholomew Burke, excavating	344 44
Denis I. Crimmings, contract labor	839 00
Timothy F. Crimmings, contract labor	27 50
H. N. Dearborn, setting glass	3 00
Charles A. Kelley, contract labor	910 00
C. L. York Co., teaming	45 50

\$8,374 39

Water Maintenance account, stock 15,036 09

\$23,410 48

Refunds on Water Charges.

DEBIT.

(Expenditures.)

Cash, paid sundry persons, money refunded	\$319 66
Transferred to debit of Water Works Income account	319 66

319 66



FUN ON SOMERVILLE PLAYGROUNDS.

Public Buildings Department, Maintenance Water Buildings.

CREDIT.

Appropriation	\$800 00
Maintenance School Buildings account, amount transferred	200 00
	<hr/>
	\$600 00
Excess and Deficiency account, balance transferred	139 22
	<hr/>
	\$460 78

DEBIT.

(Expenditures.)

Cash, paid Harold L. Bond Co., coal barrow	\$7 00	
Charlestown Gas & Electric Co., gas	22 90	
Edison Electric Illuminating Co., lighting	202 20	
Gray & Turner, boiler insurance	8 20	
Gilman Express Co., service	50	
J. J. Hurley & Co., repairing heating apparatus	5 50	
W. E. Plumer & Co., supplies	2 40	
George L. Robinson, painting	4 91	
Somerville Coal Co., fuel	11 60	
Turner Asbestos Co., pipe covering	10 00	
Wellington-Wild Coal Co., fuel	185 57	
	<hr/>	
		<hr/> <hr/> \$460 78

REVENUE ACCOUNTS.

Revenue.

Assessed under \$12 Limit	\$808,514 95	
Assessed for Municipal Indebtedness	246,000 00	
Revenue from Corporation Taxes and Departmental Earnings, etc.	461,691 61	
Reduction Funded Debt, balance from 1911, Excess and Deficiency, balance from 1911	7,579 80	
Less amount transferred to Fire Station, Winter Hill	\$4,932 37	
	50 00	
	<hr/>	
		4,882 37
Interest Refunds (accrued interest on bonds)	1,751 89	
Highways Maintenance, balance from 1911, Municipal Loan	2,769 90	
Less Grade Crossings Expenses	\$35,000 00	
	5,000 00	
	<hr/>	
		30,000 00
Overlay and Abatement, amounts transferred		5,500 00
		<hr/>
		\$1,568,690 52

Expenditures.

General Government	\$74,711 28
Protection of Life and Property	227,764 05
	<hr/>
Amount carried forward	\$302,475 33

Amount brought forward	\$302,475 33	
Health and Sanitation	152,143 09	
Highways	121,433 52	
Charities	34,583 68	
Soldiers' Benefits	38,914 56	
Education	415,580 54	
Libraries	38,432 94	
Recreation	17,592 90	
Unclassified	2,614 27	
Municipal Indebtedness	257,974 52	
Water Works	173,525 47	
		<u>\$1,555,270 82</u>
Balance to Excess and Deficiency Account available for expenditures of 1913		<u>\$13,419 70</u>

NON-REVENUE ACCOUNTS.

Receipts.

Funded Debt Accounts:—		
Balances to credit December 31, 1911		\$88,509 63
Grade Crossings, to Grade Crossings Expenses (Transfer)		818 09
Loan, January 1, 1912	\$133,000 00	
July 1, 1912	164,000 00	
October 1, 1912 (Municipal Loan)	\$35,000 00	
Less credited to Maintenance accounts	30,000 00	
		<u>5,000 00</u>
		302,000 00
Offsets, credited back	\$2,427 10	
Refunds in this amount	900 00	
		<u>1,527 10</u>
Transferred from Excess and Deficiency account		50 00
Assessments:—		
Highway Betterment	\$5,923 91	
Sidewalk	17,195 62	
Sewer	8,669 52	
		<u>\$31,789 05</u>
Deductions:—		
Abatements:—		
Sewers Construction	\$828 80	
Highways Construction	115 00	
Sidewalks Construction	642 62	
Lowell Street Bridges	2,050 00	
		<u>3,636 42</u>
		28,152 63
		<u>\$421,057 45</u>
Premium received on bonds, credited to Reduction of Funded Debt account	\$6,220 70	
Less expense of certification, etc.	372 50	
		<u>5,848 20</u>
		<u>\$426,905 65</u>

Expenditures.

General Government		\$2,928 07	
Protection of Life and Property		10,790 06	
Health and Sanitation		32,515 06	
Highways		93,096 16	
Charities		7,862 74	
Education		64,715 34	
Libraries		25,902 46	
Recreation		2,072 10	
		<hr/>	
		\$239,881 99	
Balances forward to 1913 (see first part of report)	\$181,175 46		
Balances forward to Reduction of Funded Debt account	5,848 20		
	<hr/>	187,023 66	
		<hr/>	\$426,905 65

TRUST FUNDS.

PUBLIC TRUST FUNDS.

Public Library:—			
Balance to credit December 31, 1911		\$20,414 58	
S. Newton Cutler Library Fund (legacy),		1,000 00	
		<hr/>	\$21,414 58
Public School:—			
S. Newton Cutler Fund (legacy)			5,000 00
			<hr/>
			\$26,414 58

Investment.

Public Library (per report 1911)		\$20,414 58	
S. Newton Cutler Library Fund		1,000 00	
		<hr/>	\$21,414 58
Public School:—			
S. Newton Cutler Fund			5,000 00
			<hr/>
			\$26,414 58

Income.

Public Library:—			
Balance to credit December 31, 1911		\$873 20	
From investments		735 11	
From interest on legacy		5 00	
		<hr/>	\$1,613 31
Public School:—			
From investments		\$100 00	
From interest on legacy		25 00	
		<hr/>	125 00
			<hr/>
			\$1,738 31

Expenditures.

Public Library	\$1,229 02	
Balance to 1913, Public Library	384 29	
Balance to 1913, Public School	125 00	
	<hr/>	\$1,738 31
		<hr/> <hr/>

PRIVATE TRUST FUNDS.

Overplus on Tax Sales, balance December 31, 1911	\$118 13	
Sundry Persons:—		
Balance December 31, 1911	\$750 88	
Credited Sundry Persons	22 23	
	<hr/>	773 11
		<hr/>
		\$891 24

Expenditures.

Sundry Persons	\$53 55	
Balance to 1913, Overplus on Tax Sales	118 13	
Balance to 1913, Sundry Persons	719 56	
	<hr/>	\$891 24
		<hr/> <hr/>

REPORT OF THE SCHOOL COMMITTEE.

School Committee Rooms, December 30, 1912.

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

CHARLES S. CLARK,
Secretary of School Board.

SCHOOL COMMITTEE, 1912.

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

Members.

	Term expires January.
EX-OFFICIIS.	
CHARLES A. BURNS, Mayor, 27 Thurston street	1913
JOSEPH O. KNOX, President Board of Aldermen, 109 Rogers ave.	1913

WARD ONE.

EMORY F. CHAFFEE,	109 Pearl street	1913
MRS. MARY G. WHITING,	61 Mt. Vernon street	1914

WARD TWO.

THOMAS M. CLANCY,	52 Springfield street	1913
DANIEL H. BRADLEY,	19 Concord avenue	1914

WARD THREE.

ALBERT C. ASHTON,	33 Columbus avenue	1913
GEORGE E. WHITAKER,	75 Walnut street	1914

WARD FOUR.

GEORGE W. FOSTER,	7 Evergreen avenue	1913
CHARLES A. KIRKPATRICK,	27 Sewall street	1914

WARD FIVE.

J. WALTER SANBORN,	183 Central street	1913
HENRY H. FOLSOM,	103 Central street	1914

WARD SIX.

MRS. MARY R. BREWER,	170 Summer street	1913
FREDERICK A. P. FISKE,	44 Cherry street	1914

WARD SEVEN.

MRS. LILLA H. TAINTER,	46 Chester street	1913
GEORGE C. MAHONEY,	97 College avenue	1914

Superintendent of Schools.

CHARLES S. CLARK.

Office: City Hall Annex, Highland avenue.

Residence: 82 Munroe street.

The Superintendent's office will be open on school days from 8 to 5; Saturdays, 8 to 10. His office hours are from 4 to 5 on school days, and 8 to 9 on Saturdays.

Office telephone, 314; house telephone, 12.

Superintendent's office force:—

Justin W. Lovett, 13 Hudson street.

Mary A. Clark, 42 Highland avenue.

Mildred A. Merrill, 26 Cambria street.

STANDING COMMITTEES, 1912.

Note.—The member first named is chairman.

High Schools.—Sanborn, Mahoney, Clancy, Ashton, Foster, Fiske, Mrs. Whiting.

District I.—Chaffee, Mrs. Whiting, Clancy.

PRESCOTT, HANSCOM, BENNETT.

District II.—Clancy, Bradley, Chaffee.

KNAPP, PERRY, BAXTER.

District III.—Ashton, Whitaker, Mrs. Whiting.

POPE, BELL, CUMMINGS.

District IV.—Foster, Kirkpatrick, Sanborn.

EDGERLY, GLINES.

District V.—Sanborn, Folsom, Kirkpatrick.

FORSTER, BINGHAM.

District VI.—Mrs. Brewer, Fiske, Folsom.

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

District VII.—Mrs. Tainter, Mahoney, Fiske.

HIGHLAND, HODGKINS, LINCOLN, LOWE.

Finance.—Kirkpatrick, Sanborn, Clancy, Chaffee, Whitaker, Foster, Folsom, Burns, Knox.

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

Industrial Education.—Foster, Sanborn, Kirkpatrick, Mrs. Whiting, Ashton, Clancy, Mrs. Tainter.

School Accommodations.—Mahoney, Bradley, Chaffee, Fiske, Mrs. Brewer, Kirkpatrick, Sanborn, Burns, Knox.

Teachers.—Fiske, Whitaker, Bradley, Mrs. Tainter, Folsom.

Playgrounds and School Hygiene.—Mrs. Whiting, Mrs. Brewer, Mahoney, Clancy, Ashton.

Rules and Regulations.—Bradley, Fiske, Mahoney.

REPORT OF THE SUPERINTENDENT OF SCHOOLS.

To the School Committee of Somerville:—

I have the honor to submit herewith a report of the conditions of the schools for 1912, the fifth report which I have written, and the forty-first in the series of annual reports of the School Committee of Somerville.

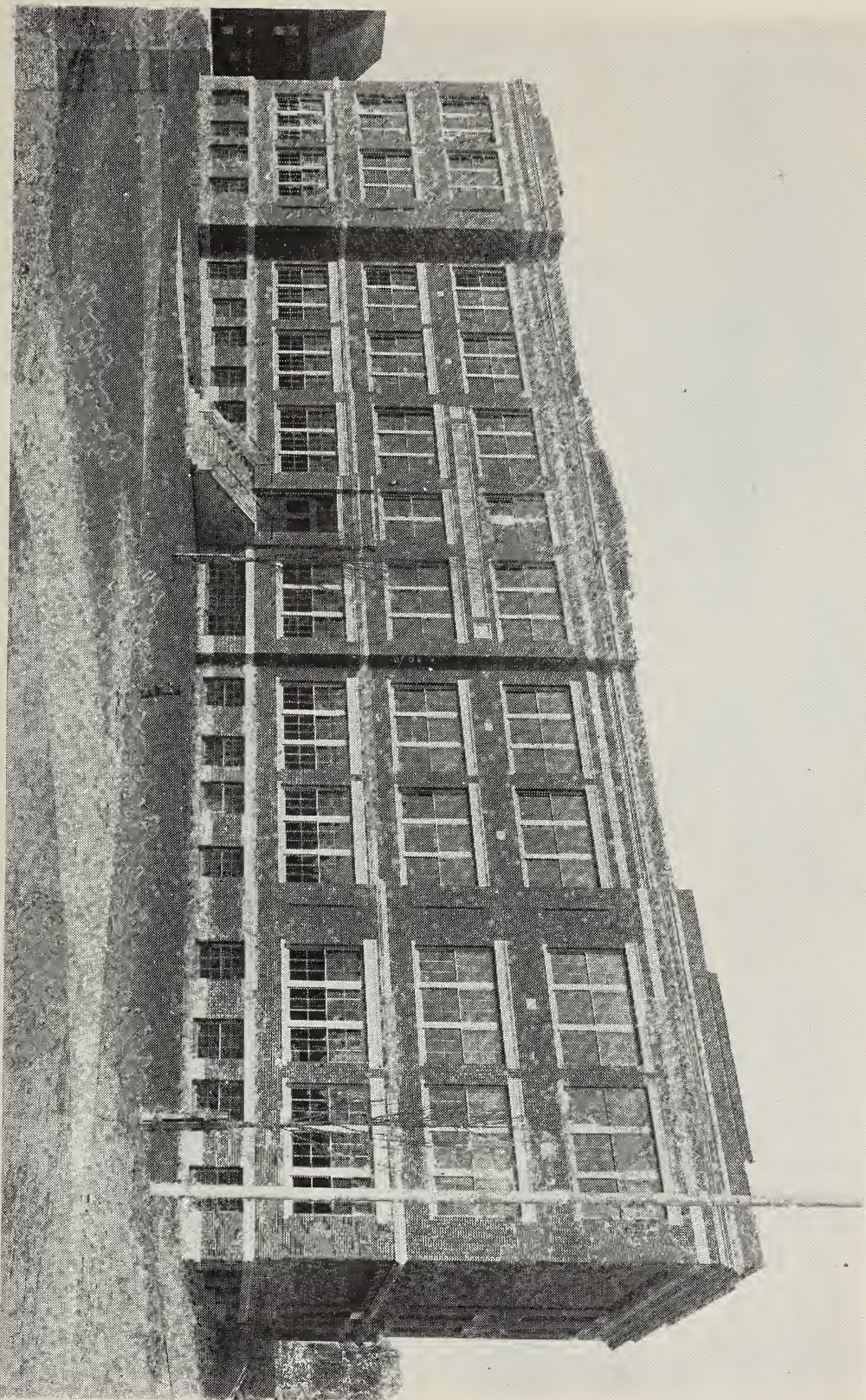
Attendance. The number of pupils enrolled during the present year has varied but little from the number last year. This fact is in accordance with the growth of the city during the same period. The population of the city in 1911 was estimated to be 78,000; in 1912 it is estimated to be 80,000. The membership of all the schools on October 31, 1911, was 11,872; on the same date in 1912 it was 11,978, an increase this year of 106. The membership of the schools in October, 1912, was distributed as follows:—

Membership in the	high school.....	1,819
“ “ “	elementary schools.....	9,847
“ “ “	kindergartens	211
“ “ “	vocational schools.....	101

Three hundred and forty-nine teachers are now employed, an increase of 6 over last year. Four more teachers are employed in the high school, 1 in the kindergarten, 2 in the Industrial School for Girls, and 1 in the grammar school manual training. There are no cadet teachers this year, whereas last year there were 2. There were in the grammar and primary schools on October 31, 221 classes, having an average of 44+ pupils, and in the kindergarten department 4 classes, having an average of 51+ each.

The increase in the number of teachers in the high school is due to the introduction of new subjects, to the extension of the commercial department, to demands created by the plan of semi-annual promotions and to the holding of an afternoon session for the first year pupils. The additional kindergarten teacher is an assistant at the Clark Bennett School, who was appointed to a vacancy which had been filled for a number of months by pupil teachers from kindergarten training schools. Of the two additional teachers in the Girls' Industrial School, one is a pupil teacher and the other is an assistant in the dress-making department. On the other hand one of the teachers of last year is now employed only a half of each day. This summary shows that there has been no considerable change, either in the attendance of the schools or in the teaching force.

Cost of the Schools. Three hundred and forty-three thousand dollars were appropriated for the expenses of the schools during the year 1912 which are under the control of the School Committee. Of this sum, \$306,000 were for teachers' salaries and \$37,000 for contingent expenses. Five thousand



S. NEWTON CUTLER SCHOOL,
Powder House Boulevard.

Architect, Walter T. Littlefield, Commissioner of Public Buildings, Somerville, Mass.

dollars of the contingent account were appropriated in December to provide for a deficiency of nearly that amount. Both of these sums are larger than the amount for preceding years. The sum expended for teachers' salaries during the current fiscal year is \$305,878.97. This is larger by \$12,611.67 than the sum spent last year. This increase was distributed in round numbers as follows: Elementary school teachers' increase of pay, \$8,000; high school, \$1,600; elementary school increases due to longevity, etc., \$3,000. The estimate of the School Committee furnished in January was that \$315,500 would be needed for salaries, including an increase of pay to the elementary school teachers. The amount actually spent is \$9,621.03 less than the sum estimated and \$121.03 less than the appropriation.

The sum estimated for the contingent fund was \$32,500. The amount actually expended was \$37,030.37. This excess of expenditure over the amount provided was due to several causes which could not accurately be foreseen. Among the number are the following: Increased demands in the high school, books and supplies for the S. Newton Cutler School, changes in and replacements of text-books, paper for use in the schools, printing, manual training supplies, drawing supplies, and board of truants. A detailed expenditure of this fund is given in a table printed as a part of this report.

A careful study of these expenditures has been made during the whole of the present fiscal year. The number of teachers is as small as the efficient teaching of the schools will permit. The salary schedules provide the second element in the problem and the total expenditure for salaries is the amount which these two factors produce. With the number of teachers at the lowest point that efficiency will permit, and the scale of salaries no higher than it ought to be, there is little opportunity for decreasing the amount to be expended for instruction.

In the contingent fund, where the expenditure has been larger than formerly, it may be possible to spend less another year, although the effort to keep within the bounds of the appropriation for supplies and books within the last year has had the effect of unfavorably restricting the equipment of the schools.

Schoolhouses. In 1912 a new schoolhouse was opened in Ward Seven. This building, to which the name of S. Newton Cutler had been given by the Board of Aldermen, is located on Powder-house boulevard west of Curtis street. It is three stories in height, made of brick, and contains twelve classrooms besides two rooms for special uses. There is also a well-lighted room in the basement, which is occupied by a manual training equipment.

Upon the opening of this building all the classes in the Lincoln School and 291 pupils from the Hodgkins School were

transferred to it and all of the twelve rooms were occupied by classes ranging from the first to the ninth grades inclusive. Several important consequences followed this change. All overcrowding in the schools of Ward Seven was relieved. A basement room in the Hodgkins School which had been used for several years was vacated and two half-time classes were put upon whole time. For a number of years it had been necessary to send to the Lowe and Highland Schools, children who lived in the Hodgkins School district, but there was room enough for them in the Hodgkins School after the opening of the Cutler School and they then came back to the home school. The Lincoln School is now unoccupied and there is a vacant room in the Lowe School.

The following table contrasts the condition of the schools in Ward Seven, October, 1912, with that of October, 1911:—

Name.	No. Pupils Belonging.		No. Teachers.		No. Rooms			
	1911.	1912.	1911.	1912.	Used.		Vacant.	
					1911.	1912.	1911.	1912.
Highland..	566	511	12	12	12	12	0	0
Hodgkins..	644	499	15	12	*14	12	0	2
Lincoln....	205	0	5	0	†5	0	0	5
Lowe.....	333	302	8	8	8	8	0	0
Cutler.....	0	536	0	12	0	12	0	0
Total....	1,748	1,847	40	44	39	44	0	7

* Includes 1 basement room and 1 hall.

† Includes 1 room in church.

Repairs and improvements were made at many of the schoolhouses during the summer vacation. Perhaps the most important change was that made at the Clark Bennett School. Here enough land was added to the lot to provide a playground very well adapted to the needs of the pupils. During the summer it was graded, given a good surface, and enclosed by a substantial fence. Later several pieces of standard play apparatus were set up and a border five feet wide for flowers and shrubs was prepared around two sides of the grounds. Before the frost came every pupil had planted one or more bulbs in the school garden for blooming next spring. Four shower baths were installed in the basement of the schoolhouse and were opened for use during the latter part of August. They were used daily thereafter by children who attended the summer playground at this school and after schools opened they were used by the pupils of the schools. At the request of citizens of Ward One the Committee on Playgrounds decided to open the baths on Wednesday and Saturday evenings for men, and on Tuesday and Thursday evenings for women. So popular was this feature that it was maintained from the last of August until the close of December. Elsewhere is printed as part of this report a statement which shows the facts of

attendance at the baths and the cost of their maintenance.

At the Morse School additional windows were provided and a great improvement in the lighting of several of its classrooms was made thereby. The grounds at the Carr School were graded and improved and more artificial light was furnished at the Forster School. At the Prescott School a fire escape was built so as to give egress from each story to an iron stairway enclosed in a brick structure. A new heating plant was installed at the Edgerly schoolhouse and minor repairs were made at other buildings. All in all, a good deal has been done during the present year to add to the working value of the schoolhouses. Although more than half of them have been in use over twenty years all of the buildings are in good repair and in a wholesome condition. Some of the older ones are still deficient in window space and some in artificial lighting as well. This is a fault which ought not to continue longer. It could be remedied by a comparatively small outlay and the benefit which would follow the remedy would be great and lasting.

Promotions. Promotion of pupils is a matter of vital consequence in any system of graded schools. The term specifically applies to the progress of pupils from one grade to another higher grade. Its synonym is progress; its antonym is demotion. A graded school system provides certain divisions of instruction and of learning, and fixes certain time limits in which the pupil is to complete the prescribed work. The term grade is indiscriminately applied sometimes to the content of instruction and learning and sometimes to the time interval fixed therefor. Normal progress in school is to pass through each grade of instruction in the allotted time. By as much as a pupil fails to do this he is retarded; by as much as he advances more rapidly he is accelerated. If all children in a given class were of equal capacity, or if all were equally well adapted to do the prescribed school work, then progress would be uniform and there would be neither retardation nor acceleration. As children differ widely in these respects, differences develop in their rates of progress, resulting in retardation as well as promotion. Some acceleration also results. It has long been one of the most difficult problems of school administration so to deal with the various elements involved in promotion as to give to children of varying ability the kinds of opportunity which they need. Retardation has been recognized as an evil of the graded school system and varying devices have been employed to overcome it. These devices have for their object providing elasticity of management and avoiding the rigidity which the graded system tends to create. In our schools pupils are now re-classified semi-annually. In addition to this provision, pupils may be pro-

moted at other than the stated times of promoting. The determining of the fitness of a pupil for promotion is placed in the hands of the grade teacher, who forms her opinion in the matter upon the average performance of the pupils. Formal examinations are not required as the test of the child's fitness for promotion, and a spirit of liberality is manifested in the teacher's attitude towards the interests of the child in this matter. As a result, our school system stands high in the success which has been attained in the promoting of pupils. Several methods have been proposed by which to estimate the efficiency of schools in this particular: First, by considering the distribution of pupils by ages; second, by finding the number of repeaters or retarded pupils and comparing them with the whole number; third, by locating in the various grades pupils of a given age, as for example, thirteen years; fourth, by determining the rate of progress of pupils. This means to find out how long it has taken each child to reach his present standing in the school system. This method is the most valuable of all, but it is also the most difficult to apply inasmuch as it demands the keeping of elaborate data and the making of complex compilations of data. The first three of these methods can be applied to our own schools. Tables 19, 19A, and 19B printed herewith show the facts concerning these criteria. It is a creditable fact that only 17.8 per cent. of all the children thirteen years old are below the normal grade for that age, while of the remaining 82.2 per cent. the larger part are further advanced than the normal grade. While this showing gives reason for continued effort to improve, it nevertheless discloses a condition very creditable to the schools of our city. Compared with other cities the percentage of promotion is high and the percentage of over-age pupils is very low. Great credit for this condition must be given to our principals and teachers because they are the ones who have brought about this result. Without the help of special devices such as additional teachers for slow children or classes for backward children, they have managed, nevertheless, to teach their classes, generally large ones, and to promote an exceptionally high percentage of their pupils.

Elimination of the Ninth Grade. Owing to the crowded condition of the high school buildings and to the uncertainty of the time when additional room would be provided it has not seemed wise to take any steps this year towards eliminating the ninth grade. While we have waited several of our neighbors have acted and have accomplished the change. But now that it is settled that enlarged facilities will be provided at the high school it is desirable to plan for this transition. In general, two years are required in the process. Beginning this

year to plan therefor the change should be effected by September, 1915. One of the incidents to be expected from this change will be an abnormally large attendance in the high school for the four years following the elimination of the ninth grade, for the reason that when the last ninth grade class enters the high school the first eighth grade class will also enter.

Changes of Teachers. Twenty-three teachers resigned, nine were granted leaves of absence and two died, during the past year. Forty-six persons were elected to positions as teachers in our schools during the same period. Of these forty-six, eleven had served the city as assistant or substitute teachers before receiving an election. Thirty-five new teachers were added to the teaching corps. The significance of this fact is that one-tenth of the teaching corps were unacquainted with the curriculum and methods of our schools, and consequently were, for a while, at a lower state of efficiency than the other nine-tenths. To find thirty-five eligible teachers and to investigate their records has placed a large burden upon the supervising force and has taken a large part of its energies away from the other work of the schools. Last year the number of resignations was not quite as large, although, then, it was seventeen. There appears to be no way to prevent such a change in the teaching corps inasmuch as the causes are recurrent and not subject to control. Of the twenty-three resignations during the present year eight were on account of marriage, nine were for professional advancement, and five were on account of sickness.

Salaries of Elementary Teachers. In March an increase of \$50 was made in the maximum salaries of elementary teachers below the rank of supervising principals, bringing that of the grade teacher up to \$750. This increase is smaller than the teachers had hoped to receive, but it was accepted by them cheerfully, as a partial recognition of what they considered to be their just claims for larger pay. But by this increase the teachers have not gotten ahead very much. The cost of living within the year has advanced for those who live in the city, so that their balance at the end of the year is little more than before. Nor has the increase changed materially the relation of our maximum to that of neighboring cities. Increases have been granted recently in many of them as a result of which the difference between their maximum salaries and ours is no greater now than it has been for a number of years. Consequently the inducement which our salary maximum holds out to competent teachers of other cities and towns has not increased in proportion to this increase of our maximum. Therefore it cannot be considered that the question of the salary of grade teachers has yet been satisfactorily settled.

High School. The present administration of the High School and the plan of organization which was adopted when the Latin and the English High Schools were combined have had the test of a year and a half. During the school year which closed last June the plans adopted the preceding September were in effect. These plans were designed both to meet the new conditions incident to combining the two High Schools and to meet other new conditions incident to the necessity of conducting the whole membership of the school on a basis of a morning session for the three upper classes and an afternoon session for the first year class. Along with these difficulties there was encountered another new one incident to the extension of the semi-annual promotion movement which last February reached the second year class. All of these new conditions were handled efficiently, and the school year which closed June, 1912, was as satisfactory as could be reasonably demanded when all of the difficulties are considered. The discomforts which were experienced by pupils and parents were in the main necessary consequences of the over-crowding of the high school buildings and the necessity of having an afternoon session, but the experience of this first school year under the new plan enabled the administration to make improvements in minor details of the plans for the present school year, which have removed some of the discomforts of the first year. At the present time the school is being conducted upon a double-session plan, with the first-year class attending in the afternoon, and the details of administration are working smoothly and satisfactorily. This result testifies to the efficiency of the high school organization on the side of administration. The plan of organization distributes responsibility and locates it, and also provides for and distributes initiative in matters of administration among the members of the high school faculty. There has been also a gain in the educational supervision of the school. In respect to it as well as in the case of administration the plan places responsibility and provides for initiative. While during the last school year there was some delay and hesitation in establishing the work of the Board of Supervision, this year it has been taken up with vigor and certainty. So far, then, as the organization of the faculty is concerned, the plan adopted is working well, and has within itself the possibility and the promise of efficiency. At the present time the senior and junior classes are working under a programme of studies which was in force before the present grouping of studies into courses was adopted. The sophomores and freshmen, however, are grouped in the four courses provided for in the present organization of the work of the school. These courses are the preparatory, general, commercial, and manual

arts. Pupils upon entering the High School now are required to take one of these courses. In each course there are certain prescribed studies, and a liberal list of optional studies. These courses are well defined in a pamphlet which was distributed at the opening of the school year.

In the commercial course a new grouping of studies has been made so as to offer a distinct course to those who want a training in business subjects extending over only two years. That such a provision is desirable would seem to be clearly evident from the fact that of the number of pupils who yearly enter the High School nearly one-half drop out before the beginning of the third year. Whatever the value to them of the studies they have pursued during the period those who drop out before the third year have decided for themselves that a two-years' high school experience or course was all they could have. As has been said, the number of such students has for many years been nearly one-half of the entering class. Formerly most of the commercial studies were by design placed in the third and fourth years of the curriculum, thereby being beyond the reach of those who left at the end of the second year or earlier. Recently we have altered that condition somewhat. Now we are giving a chance for this element of the school which stays only two years to elect a group of studies of a commercial nature, unified in two years, and designed to give knowledge and skill in the elements of business practice. No pupil will be encouraged to take this course by the thought that it will be easy, for the reverse will be the case. Nor will it be held out to the pupil that this is a short cut to the kind of a position which can only be reached after four years of equally hard application. But it will offer a good solid training two years in length mainly in subjects relating to business. At the end of this course the pupil may continue another two years, if he so elects, and complete the regular four years' course.

It is altogether probable that courses two years in length, but capable of extension into four years, should be arranged in other departments of the High School, for similar reasons.

From the report of Headmaster Avery, and from the figures showing the number of pupils in the High School pursuing various studies which accompanies it, the fact appears that a large proportion of the pupils are now pursuing either the preparatory course or the commercial course. The explanation offered by Mr. Avery for the comparative neglect of the manual arts course is probably correct. The condition, however, is one unfavorable to the best interests of many children. It cannot be doubted that among so many pupils as are enrolled in our High School, a larger proportion should

fit themselves for vocations connected with the industries. As the manual training facilities at the present time furnish opportunity only for working in wood, and for a period of only two years, these facilities must be enlarged and the course extended in time before any considerable improvement in this matter can be made. In the enlarged accommodations of the High School this improvement can undoubtedly be undertaken. With an enlarged equipment, and with industrial courses strongly vocational, many of the school pupils who now drift into commercial or literary courses might find their true opportunity.

Playgrounds. An appropriation of \$2,500 for summer playgrounds was provided by the Board of Aldermen to be expended by the School Committee. The Somerville Playgrounds Association offered to co-operate with the School Committee again in carrying on this work, and raised the sum of \$1,446.62 for this purpose. As this offer was accepted by the School Committee, \$3,946.62 were available for the expenses of the season. It was decided to follow the plans of organization and activities which had been worked out last year, and to expend part of the money upon supervision and a part upon permanent apparatus and play material. Twelve playgrounds were conducted during the period beginning July 8 and ending August 28. The attendance was good, and the interest of the children was well maintained throughout the summer. The season closed with an athletic meet for boys, and with a play festival for girls. The athletic contest for boys was held on Lincoln Park, and drew a large attendance of boys and of spectators. The play festival for girls was held on the lawn on Central Hill Park. More than a thousand girls took part in the games, marches, and dances, and a large gathering of spectators was present. Teel's band furnished music for the exercises.

Profiting by the experiences of the last year or two, the Committee on Playgrounds was able to start the season with plans well matured, and with a corps of supervisors well prepared for the work. Consequently there was attained a higher degree of efficiency than in any preceding year. In the future it seems desirable, however, to add to the programme for boys some forms of manual occupations. While the girls devoted a large portion of each day to needle work, no attempt was made to give the boys hand training of any kind. This fact was due to the conviction held by the committee that it would be best this year to improve upon lines already laid down before beginning new ones. Another year such a necessity would not exist, and some new work for boys might be undertaken. Among the projects which might profitably be

considered are gardening, manual training, chair caning, and make-up classes. I hope it will be possible to try some or all of these occupations for the benefit of the boys who have to stay in the city during the summer.

School Savings Banks. In March of this year school savings banks were started in the elementary schools. This enterprise was undertaken in accordance with Chapter 211, Acts of the Legislature of 1911, to inculcate thrift among the pupils of the public schools. For nine years saving had been encouraged in the schools through the operation of the stamp savings system, and a good deal of success had been attained by that method. The substitution of the new system for the old one was rendered necessary by the withdrawal of the Associated Charities from longer participation in that work. Being obliged to assume the whole conduct of the enterprise, or to allow the matter to go by default, the School Committee authorized the establishment of school savings banks in the schools of the city in co-operation with the Somerville Institution for Savings. Banks were established in twenty of the elementary school buildings, and are now in operation.

The method of keeping the accounts in the bank savings system is totally different from that employed in the stamp savings system, and opinions differ as to which imposes more labor upon the teachers, and which better promotes thrift. Some like the new system better than the old, while others hold just the opposite opinion. There is a corresponding difference among the schools in the success with which the system is operated. As will be seen from the statement printed with this report, several schools show nearly as large total deposits made during the eight months of the existence of the banks as they made during the preceding year under the stamp savings system, while three have actually increased their deposits. It is too early, therefore, to pronounce final judgment upon the success of the new venture. Other cities of the commonwealth are having the same experience, and are solving the problem. If this matter is to merit a place in the activities of the school it must be recognized as a school enterprise deserving the amount of time and attention necessary to its successful conduct. It will be of little avail to conduct the savings system in a perfunctory way, but it will be of great importance so to deal with this matter as to bring to the attention of all school children the importance of thrift, and to cultivate in them the habit of saving their money. It can not be doubted that such a habit tends to make its possessor a better citizen, and to increase his chances of success in life. On this basis the enterprise rests its claim for a place in the activities of the schools.

Evening Schools. Evening schools were maintained in the High School and in the Bell and Highland Schoolhouses.

The Evening High School afforded the large variety of subjects which has characterized that school for a number of years. It affords training in extension of their daily callings to many workmen. Its work is well done, and it is adequately meeting the needs of the community.

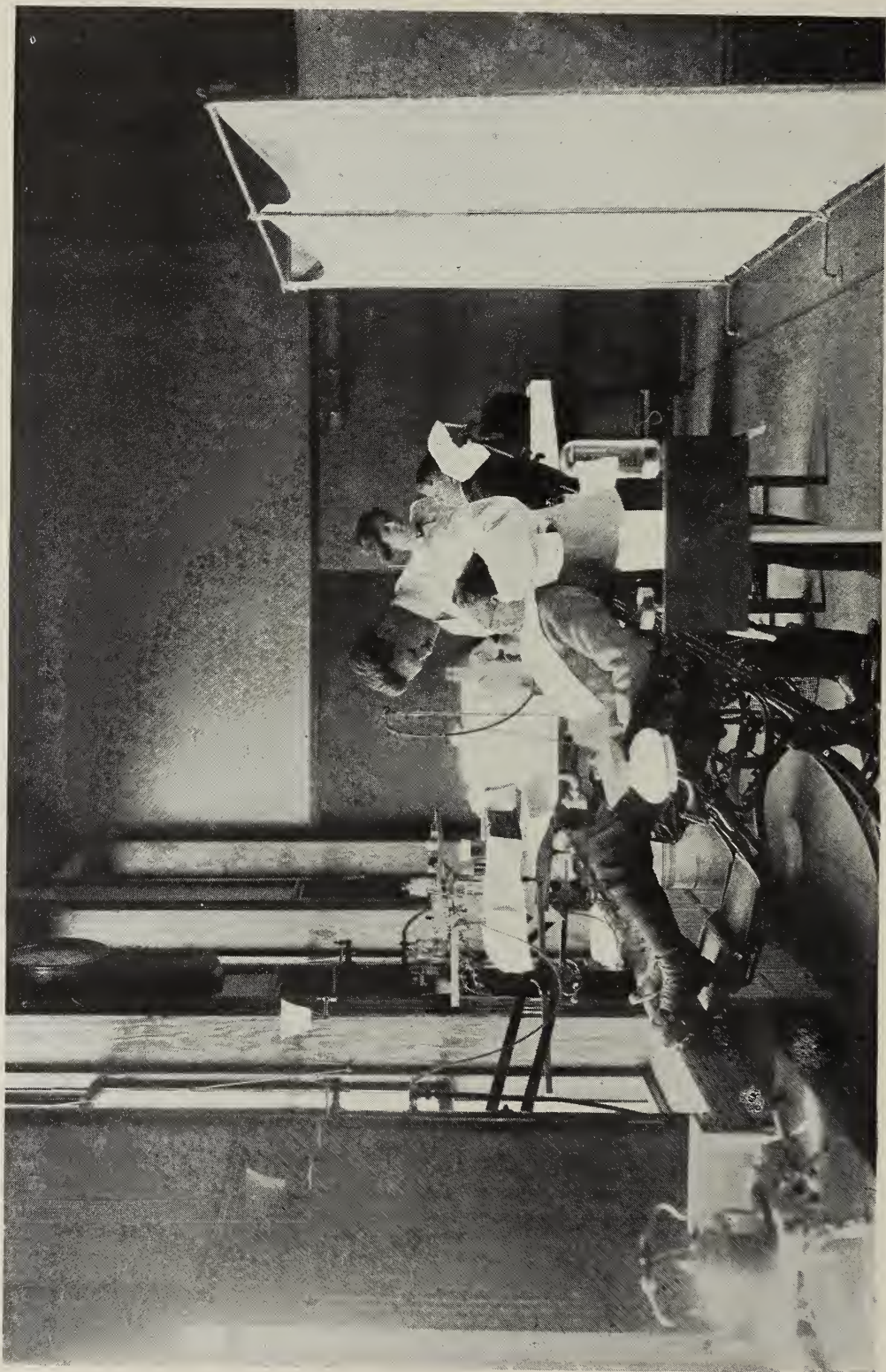
The Elementary Evening Schools are serving a different constituency, but are doing a work fully as important. At these schools there is a large attendance of non-English speaking foreigners, who here get their first instruction in the English language. The evening school has an important part to fill in making American citizens of these newcomers.

Vocational Schools. The Boys' Industrial School last June graduated its first class of students from a full two-years' course. These boys, thirteen in number, have all been placed advantageously in positions for which their school training has fitted them. This fall fifty-two boys are enrolled, and the work of the school is being carried on in an efficient manner. Through lack of funds the enlargement of the school, which was under consideration in the early part of this summer, was not undertaken. No further extension of this work can be made until more room is provided for it. I think that the plan for increased accommodations, which failed because of lack of funds, should be put into effect during the approaching school year, or some other one which will afford an equal amount of room should be adopted.

Girls' Industrial School.—This school, which was started a year ago last October, has had a successful year. Its courses of study have been well thought out, and have been put into successful practice. The enrollment at various times during the year has exceeded fifty pupils.

Details of the work of the year of these two schools will be found in the reports of the principals.

Atypical Class. Mention, although brief, should be made of the meritorious work which is being done for feeble-minded children in the Atypical Class at the Bell School. The fifteen children who have been taught there during the present school year have been withdrawn from the classes, where they were totally out of place, and have been given a sympathetic training suited to their needs. Attendance upon this class is entirely voluntary, but there has been no time during the present year when there was less than the full number of pupils enrolled. Another class of this character in another part of the city would doubtless be the means of withdrawing an equal number of children from the schools which they are now attending without profit to themselves.



PUBLIC SCHOOL DENTAL DISPENSARY, PROCTOR SCHOOL BUILDING.

Dental Dispensary. After three years of work performed without charge by the Somerville dentists, the dental dispensary has now been placed upon a secure basis as a part of the school system. A dentist has been employed by the School Committee to have charge of the dispensary, and to render service there every morning when schools are in session. Assignments of time are made so that each school may send pupils to the dispensary in turn. For the present treatment will be limited to giving relief in cases of toothache, and cleaning and filling teeth.

It is the hope that much more than this can be undertaken before long. An effort will be made to secure the co-operation of dentists in treating a limited number of cases to be sent to them from the dispensary. Arrangements will be made to conduct pupils to dental clinics, where they can receive free treatment in cases which require more time than the public school dispensary can give.

While the services of the dispensary are given only to pupils who cannot pay the charges of dentists in their private practice, and are intended to help those who cannot help themselves, the influence of this work will be felt far beyond the pupils treated, and better care of the teeth, both by pupils and by parents, will result therefrom. If the dispensary did little else than to arouse parents who can afford to pay to have their children's teeth properly cared for, but who are neglecting to do so, and to convince them of the great menace to the health and happiness of their children which this neglect creates it would render a service fully justifying existence.

Co-operation from Outside of the Schools. The school is no longer an institution whose business is solely to teach pupils in the various branches of learning. Today society demands of the schools the exercise of functions much broader than that. The duty of making good citizens of the children who pass through the schools can be met only by means of varied activities. The school must reach out into the community in the discharge of its duties and it needs to have the aid of the community in return. Today co-operation between the home and the schools is very much in evidence. By means of it the schools are benefited and improved. Evidences of such a spirit in our city are many. But it is desirable that the spirit should extend and that aid should come to the schools from a wider circle of interested agencies. Among those who have helped the schools during the past year the following deserve special mention: The dentists of Somerville, for their unselfish work in the conduct of the Dental Dispensary; the local papers for their cordial attitude in publishing information concerning the schools; the City Departments, for their will-

ingness to assist in the work of the schools in whatever way they could; the Playgrounds Association, for its great work in helping to maintain summer playgrounds; the Boston Museum of Fine Arts, for its courtesy to the teachers of the schools; the Parents' Associations of the various schools, for their interest in the welfare of the children in those schools; the Washington Street Day Nursery Association, for its support of a school visitor in connection with one of the schools of the city; the W. C. Kinsley Post, No. 139, G. A. R., in furnishing speakers for Decoration Day celebrations; the Woman's Relief Corps, for its gift of silk flags to the S. Newton Cutler School; and friends who have furnished pianos for two of the schools.

Doubtless this list is incomplete, but it is given to show that co-operation with organizations outside of the schools for the betterment of the schools actually exists, and that it is appreciated.

Conclusion. This review of the work of the year has given brief mention to important phases of the school work. It has omitted entirely much that could profitably be set forth. The effort has been made, however, to show what the dominant purposes of the year have been and how they are working out. The effort also has been made to define some of the needs of the immediate future. For the sake of greater clearness concerning the latter I present, in the form of recommendation, some of these needs. Several I bring over from my last year's Report, although I have not discussed them in detail in this Report. The stating of the needs will help to bring them into consideration and may advance the time when the needs can be met. They are as follows:—

Increasing the efficiency of the high school by,—providing larger opportunity for industrial training for boys, by providing larger opportunity for training girls in domestic science.

The provision of centres for teaching cooking to girls in the elementary schools.

Additional window space in several school buildings.

Additional artificial light in several school buildings.

The purchase of parcels of land to increase the playgrounds of several schools.

Further consideration of an increase in pay of elementary teachers.

The employment of a woman to act as home visitor and to assist the truant officer.

Increased co-operation between the homes and the schools.

In closing I extend to the members of the School Board, individually and collectively, my sincere thanks for their un-

failing support and encouragement during the year now drawing to a close. I desire also to express publicly my admiration for the unselfishness which has been displayed by the members of the School Board in giving their time freely, and in large measure, to the interests of the schools. I want also to acknowledge the spirit of cordiality manifested throughout the year by the teachers and principals of the schools. The combination of these influences has produced the success which has crowned the work of the year.

Respectfully submitted,

CHARLES S. CLARK,
Superintendent of Schools.

December 30, 1912.

HIGH SCHOOL REPORT FOR YEAR 1912.

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

Dear Sir: A year ago my first report as head master of the Somerville High School was presented to you and in it was outlined the new plan of organization. Since then the school has completed one year and begun a second, and I feel that I am now able to speak intelligently on the results of our plan.

Spirit of the School. To combine two schools of different character and organization is far from an easy proposition and can well be undertaken by any principal with considerable trepidation and uncertainty of results. I can safely say, now that the first year has passed, that it was one of the pleasantest, if not the pleasantest, in my experience, and I must give the credit unreservedly to the hearty co-operation of the school authorities and the enthusiastic loyalty of teachers and pupils. I bespeak a continuance of the same unanimity of purpose that the school may grow in achievement and efficiency.

Administration. The administration of a large school is a matter of considerable moment, and I feel that the formation of a board of administration, composed of the three masters of the school, was a happy solution of the problem. The men constituting this board have worked faithfully and unselfishly, and deserve much commendation. The serious illness of Mr. Murray was a great loss to the school, but we were fortunate in having his assistance and advice practically all of the year. Much of the excellent spirit and serious purpose of the school must be attributed to the manner in which this board has attended to its duties. Discipline cases have been handled in a firm yet sympathetic manner, and greater opportunity has thus been afforded to the head master for the consideration of the broader interests of the school.

Educational Activities. During the past year much time and thought have been given by the board of supervision and the head master to the reconstruction of the curriculum, with a view to enriching and broadening the work of each pupil. Division into courses, rather than a broad elective system, seemed to be the plan best fitted to the needs of our school, and to this end carefully outlined courses were adopted in preparation for higher institutions, for commercial work, for the study of manual arts, and for acquiring a general education. A pupil upon entering the school has the opportunity of selecting one

of these courses: Preparatory, Commercial, Manual Arts (including Domestic Science), and General, and is guaranteed a complete and thorough preparation along his chosen line. An outline of these courses is given elsewhere in this report. Although a very short time has passed since these courses were put into effect, they have already demonstrated their value.

The Preparatory Department of the school sent last September the usual large number of pupils to higher institutions—seventy-seven pupils in all—divided as follows: To Bowdoin College, two; Boston University, three; Boston College, four; Brown University, one; Dartmouth College, six; Harvard College, five; Jackson College, two; Mt. Holyoke College, two; Massachusetts Agricultural College, three; Massachusetts Institute of Technology, seven; Norwich University, two; Radcliffe College, four; Simmons College, five; Tufts College, eleven; Wellesley College, two; Wesleyan University, one; Wheaton College, three; Normal Schools, fourteen. Many of these pupils were granted an entrance certificate by the school, thus freeing them from the necessity of taking the college examinations. In other cases, where the scholarship records did not justify the granting of certificates, the pupils by taking examinations had little difficulty in satisfying the requirements of the college, a gratifying evidence of the scholastic efficiency of this department of the school.

The Commercial Department graduated many pupils, all of whom secured good positions. In fact, more positions came to our attention than could be filled. This course has been strengthened by the addition of a third year of stenography and two years of business practice. After a long search for a head for this department, the School Committee finally selected Mr. John L. Hayward of the Everett High School, who will commence his duties with the new year. Under his guidance, the department will take under advisement a systematic study of the needs and preparation of the individual pupil, a careful investigation of the requirements for a commercial training from the business man's standpoint, and the establishment of a helpful bureau of employment.

The Manual Arts course (including Domestic Science for girls) has not met with the enthusiastic reception that was expected. This is probably due to the lack of full appreciation by parents of its worth and purpose, and to the fact that its equipment and accommodation are very inadequate. The work of this department in other schools is much more extensive, and the department is given a much more important position than in our school. I sincerely hope that this department in our school may be speedily placed on a footing worthy of its great value.

The General course is less readily defined than the other courses, yet in no sense is it less valuable. A pupil taking this

course should acquire in four years a broad and cultural training that should enable him in equipment and mental attitude to fit readily into many walks of life.

Lectures. Effort has been made during the past year to present speakers who, from their peculiar fitness and experience, might bring valuable suggestions for the consideration and help of pupils. A partial list of the speakers is as follows: Mr. Sprague, Mr. Jones, and Mr. Hatch of the school faculty on "The Respective Merits of a College, Manual Arts, and General Training"; Mr. Walter A. Hawkins, manager of Jordan Marsh Company, on "The Qualities Necessary for Success in Business"; Miss Helen P. Goodwin, public stenographer, on "The Practical Side of Stenography"; Mr. George R. Glendinning, business manager of the "Banker and Tradesman," on "Advertising"; Mr. Charles S. Clark, superintendent of schools, on "The Teacher"; Mayor Charles A. Burns on "Citizenship"; and others. Stereopticon lectures on History and Science have also been given by teachers of the school.

Music. Music has always been a prominent feature of our school and in this department we hope to make still further progress during the coming year. Several cantatas and oratorios have been produced with great success in the past under the direction of our enthusiastic and able director of music, Mr. S. Henry Hadley. During the coming spring, it is our purpose to add to our laurels by the performance of Verdi's Requiem, by a chorus of eight hundred selected voices. A very excellent school orchestra was formed last year, which for the first time furnished the orchestral music at the graduation exercises.

It has long been my hope to see music assume a much greater importance in the curriculum of the school, and while it is perhaps unwise to expect that harmony, composition, or the study of any particular instrument may be undertaken by instruction in the school, still it may be entirely within our province to give pupils school credit for outside study in music under competent teachers. Many pupils leave school because of their inability to continue an exhaustive study of music along with the full high school course. These pupils could be retained in school if proper recognition could be granted them for their outside work in music.

School Elections. A practical instance of the good work in civics has been furnished by the Senior Class in the election of its class officers. After the presentation of nominees through nomination papers, the class went through all the processes of a regular election, using printed ballots and an election booth of the city. Wardens, clerks, and inspectors chosen from the class carried out the form of a regular city election to the

slightest detail. The practice value to young people about to cast their first ballot cannot be overestimated.

Two Sessions. For three years it has been necessary to organize the school on a two-session plan in order to accommodate the large membership in a building of an insufficient size. Many hardships have resulted to school and home,—among them, lack of unified work among teachers and pupils, great inconvenience to teachers, a sacrifice of scholarship standard particularly among first year pupils, unhygienic arrangement of meal hours, instruction under artificial light, and a curtailing of many of the activities of the school which can only be obtained under normal conditions.

Teachers, parents, and pupils are duly thankful that additions to the school now under preparation will remove the necessity for this unsatisfactory arrangement.

Attendance. It would have been a matter of little surprise if this unusual arrangement of hours had seriously interfered with a high percentage of attendance, and it is with considerable satisfaction that I report an increase rather than a falling off in this respect. The average per cent. of attendance for the past five years is as follows: In 1907-8, 94.9 per cent.; in 1908-9, 95.3 per cent.; in 1909-10, 94.9 per cent.; in 1910-11, 95.4 per cent.; in 1911-12, 95.4 per cent.

Loss in Membership. The causes for pupils leaving school are of various kinds, but may be reduced to two major classes,— the unavoidable, including change of residence, illness, etc.; the avoidable, including discouragement, lack of interest, etc. The enrollment of the school from September 9 to December 4 was 1,896; the membership December 4 was 1,803; the loss being 93. The following table gives the loss by classes with the reasons:—

CAUSES.	1913		1914		1915-A		1915-B		1916-A		1916-B		Totals.
	Girls.	B. ys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	
Work	1	3	..	7	..	3	1	3	..	..	1	9	28
Other schools	1	..	1	..	1	1	2	..	2	..	2	4	12
Ill health	1	1	1	1	..	1	3	..	1	..	3	1	10
Moved . . . . .	..	..	..	..	..	..	2	2	..	1	5	5	18
Cause unknown . . . . .	..	..	..	..	..	..	1	..	2	4	7	6	20
Indifference . . . . .	..	1	2	..	1	..	..	..	..	..	1	..	5
	3	5	4	8	2	5	6	6	5	5	19	25	
Totals	8		12		7		12		10		44		93

A special effort has been made this fall to investigate the reasons for pupils leaving school and a committee of teachers has undertaken the task of visiting the homes and conferring with parents and pupils, thus showing by their personal interest the desire of the school to work with and to make itself helpful to the home.

Co-operation with Parents. Parents have a two-fold right upon sending their children to the high school, first, to know thoroughly the curriculum of the school and to make from it a wise and judicious selection; second, to know the school itself and its teachers, and to follow carefully the progress of their children. The school acknowledges this right on the part of parents and is anxious to help whenever possible. To aid parents in understanding the work of the school and the opportunities which it furnishes, the head master has spoken during the past year to the Parents' Associations of two grammar schools, to parents and graduates of three other grammar schools, and to the parents of the class which will enter the high school in February. In addition, two receptions to parents have been given this year by the teachers at the school building.

Special tables showing certain phases of High School conditions:—

Music and Outside Work, November, 1912.

SENIOR CLASS.

	Boys.	Girls.	Total.
1. Doing nothing outside school.....	42	86	128
2. Taking music, but doing no outside work....	16	57	73
3. Taking music, and doing outside work.....	19	8	27
4. Doing outside work, but taking no music....	55	18	73

A. MUSIC.

1. Studying instrumental music.....	10	45	55
(a) Piano (with instruction).....	5	38	43
(b) Piano (without instruction)...	3	12	15
(c) Violin	2	4	6
(d) 'Cello	1	1	2
(e) Guitar	0	1	1
(f) Clarinet	1	0	1
(g) Cornet	1	0	1
(h) Piano and Organ.....	1	0	1
2. Studying vocal music (with instruction)	5	9	14
3. Studying vocal music (without instruction)	1	0	1
(a) In choir.....	3	0	3
4. Studying vocal and instrumental music	0	4	4
5. Earning money by music.....	2	3	5
6. Time taken by practising:—			
(a) Less than 5 hours per week...			8
(b) Between 5 and 10 hours per week			57
(c) Between 10 and 25 hours per week			27

B. OUTSIDE WORK.

1. Times of work:—			
(a) Friday after school and Saturday	32	7	39
(b) After school on other days....	38	20	58
2. Hours of work per week:—			
(a) Less than 10 hours.....	16	20	36
(b) Between 10 and 20 hours.....	32	4	36
(c) Between 20 and 25 hours.....	11	3	14
(d) Between 25 and 37 hours.....	10	0	10
(e) 50 hours per week.....	1	0	1
3. Kinds of work:—			
(a) In market.....	12	0	12
(b) Clerk in store.....	25	8	33
(c) Newspapers	3	1	4
(d) Clerical work.....	5	4	9
(e) Driving auto or delivery wagon,	10	0	10
(f) Library work.....	1	10	11
(g) Miscellaneous	15	5	20

JUNIOR CLASS.

	Boys.	Girls.	Total.
1. Doing nothing outside school.....	54	121	175
2. Taking music, but doing no outside work.....	13	66	79
3. Intending to study music.....	3	7	10
4. Taking music, and doing outside work.....	12	10	22
5. Doing outside work, but taking no music.....	81	19	100

A. MUSIC.

1. Studying instrumental music:—			
(a) Piano	17	61	78
(b) Violin	1	6	7
(c) 'Cello	1	2	3
(d) Cornet	1	0	1
(e) Trombone	0	1	1
(f) Traps and drums.....	1	0	1
(g) Pipe organ.....	1	0	1
(h) Two instruments.....	0	3	3
2. Studying vocal music.....	3	4	7
3. Studying vocal and instrumental music	0	1	1
4. Time occupied in practising:—			
(a) Less than 5 hours per week...	1	5	6
(b) Between 5 and 10 hours per week	8	60	68
(c) Between 10 and 25 hours per week	4	23	27

B. OUTSIDE WORK.

1. Times of work:—			
(a) At end of school week.....	45	9	54
(b) During school week.....	48	20	68
1. Evening work.....	13	6	19
2. Hours of work per week:—			
(a) 10 hours a week or less.....	25	16	41
(b) Between 10 and 25 hours a week	45	6	51
(c) Between 25 and 40 hours a week	23	6	29
3. Kinds of work:—			
(a) In market.....	23	0	23
(b) Clerk in store.....	28	8	36
(c) Newspapers	9	0	9
(d) Clerical work.....	6	2	8
(e) Driving wagon.....	7	0	7
(f) Carpenter work.....	3	0	3
(g) Drafting	2	0	2
(h) Caring for children.....	0	7	7
(i) Housework	0	2	2
(j) Music teaching.....	0	4	4
(k) Teaching of dancing.....	—	1	1
(l) Miscellaneous	17	5	22

**Number of Pupils in High School Pursuing Various Studies
December, 1912.**

ARRANGED BY CLASSES.

	Senior.	Junior.	IIb.	IIa.	Ib.	Ia.	Total.
English	323	350	61	430	150	494	1808
History	229	341	38	287	61	341	1297
Elocution	156	195	41	323			715
Mathematics	201	223	25	206	149	450	1254
Chemistry	113	76					189
Physics	69	31		16			116
Biology	17	9		12			38
Physiology	16	200					216
Latin	82	101	20	187	79	162	631
Greek	23	27	9	20	1		80
French	131	195	31	141	35	185	718
German	122	125	5	104		17	373
Spanish	5	17		27	1	30	80
Manual training	1	2	14	34	38	96	185
Applied arts	6	14	3	10			33
Cooking				43	23	67	133
Mechanical drawing	38	34	14	93	38	103	320
Freehand drawing	24	22	5	26	72	96	245
Bookkeeping	58	53					111
Commercial arithmetic	16		37	211			264
Business practice					64	219	283
Penmanship	49	112	39	180			380
Commercial geography	24	6					30
Commercial law	24	6					30
Stenography	92	127					219
Typewriting	104	137	28	187		44	500

With heartiest thanks to you and the School Committee for assistance and interest, and with pleasant anticipations for the coming years under improved conditions and enlarged opportunities, I am

Very respectfully yours,
JOHN A. AVERY.

Somerville, Mass.

December 21, 1912.

REPORT OF THE INDUSTRIAL SCHOOL FOR GIRLS, 1912-1913.

Mr. Charles S. Clark,
Superintendent of Schools.

Dear Sir: The second year of the Industrial School for Girls opened in September, 1912, with additional courses in household arts and trade cooking, the need for broader training having developed during the first year. These courses met with instant success from both the extended educational and practical points of view.

The course in household arts is designed for those who wish a practical knowledge of home making, and the training is so planned to meet the needs of each girl individually that should she so desire, she can find employment later in any one of the major subjects. This course covers a period of two years, and includes the study of dressmaking, millinery, and cooking; the related subjects of textiles, design, and home economics; the vocational subjects of English, business arithmetic, household chemistry, administration, and personal hygiene. Throughout the course the aim is toward developing the girls in judgment and initiative.

While cooking is given to all the girls, the course has been expanded into a trade course for those who wish to accept one of the many opportunities for employment for women along the lines of household science. It includes both plain and fancy cooking, the study of food values, planning menus and estimating cost of same, table and waitress service.

As a required part of the training the girls act as waitresses at the school luncheon period, and as occasion arises are sent out as accommodators for formal and informal affairs.

Throughout the year many luncheons are given which are planned by the girls, and the materials purchased by them. From the orders received for cakes, preserves, rolls, and salads, it is realized that there is a demand in the community for such skilled service.

The school is prepared to do catering for small luncheons and evening affairs and furnish waitresses for the same, as a means of testing the girls' ability along these lines preparatory to trade work.

Sewing is given in this course, the sewing that will enable girls to become skilled in the accommodating line. They are taught the making of simple cotton dresses, the mending and care of table linens, laundering fine laces and embroideries, mending stockings, and darning woollen and cotton goods.

With the problem always before us of the dull season in millinery, and the substitution of some supplementary training,

several subjects have been added to that course for the period during the winter affected by the dull season in trade. A three-months' course in salesmanship for this class includes textiles, sales-slip practice, and knowledge of good selling points. Practical work in the shops is required of each girl and a report required of her progress. These girls are also given additional lessons in home economics and mending, with the plain sewing required in the making of a simple cotton dress. The girl studying millinery has thus opportunities of becoming, first, a milliner's helper during the season; second, selling in the stores during the Christmas season; third, serving as waitress in some one of the women's lunch rooms, and, fourth, becoming an independent accommodator or mothers' helper.

To the trade courses have been added the studies of design and textiles. Design includes the drawing of small conventional patterns that can be applied to the work in the respective trades; the transferring of designs, reconstructing dress and hat designs along the lines of practicability; training in quick sketching of dresses and hats from model and memory; also the study of color and color schemes, reproduction of materials, matching color to fashion sheets, and stenciling.

The study of textiles is connected with schoolroom problems. The most important fibres, such as cotton, flax, silk, and wool, are analyzed, as well as materials used in the construction of wearing apparel.

Visits have been made by the students to millinery openings and to the School for the Blind to see how materials are woven.

Opportunities are found for the girls to earn money while still in school, although a certain amount of outside shop work is required of all the girls while still in training.

The advanced class in millinery was placed at part time work during the fall season in several of the Boston shops, and all employers have given gratifying reports of the careful training they have received, and of their interest in their work. Eighty-six dollars was earned by the girls during the three months.

Four girls were engaged as accommodators at Thanksgiving and Christmas, and ten dollars was earned by them on those days. One girl is acting as waitress at noon at a boarding house near the school, and four have worked for a time in a department store for the necessary experience to be gained by an insight in store routine. Some girls have been placed permanently. One is in a restaurant for women on full time work, and is doing very well. Several have gone out to work with dressmakers; one has been given a permanent position in the millinery department of a department store.

In the spring several of the girls from the dressmaking and millinery classes will be placed in permanent positions, and some, who need additional school work, will be placed at part time.

The work of the Vocational Counselor has been of the greatest importance as connecting the school, the home, and the work shop. All the homes are visited, and a better understanding of the school and its aims has been the result. The schools are visited and the children told of this new form of education and what it will mean to them. The workshops are visited and records kept of each one, the kinds of work offered, sanitary conditions, wages, and opportunities for advancement. When the time comes to place the girl the Vocational Counselor endeavors to find the right place for each girl—following her placement to see that there is satisfaction for both the employer and employee. The Vocational Counselor also investigates opportunities open to girls other than the needle trades, and as occasion arises girls are recommended to these positions.

A physical examination has been given to each girl by a woman physician, and as a result of this examination one girl was referred to an alienist, three were found to have heart trouble that meant avoiding violent exercise, two were referred to the Massachusetts General Hospital for special advice, one of these being compelled to leave school and take special corrective exercises there, and girls with eye and teeth troubles were sent to the special oculists or clinics.

Arrangements were made with the dentist at the Public School Dental Dispensary to have one morning every other week set aside at his office for the girls of the school who had no regular dentist, and this work for them has been most satisfactory.

The Students' Aid Fund was founded this year, its object being to help, by a temporary loan, any student needing medical advice or treatment. This fund was started by a small percentage being taken from the money earned by the girls during school hours, and with their consent, and it has been added to since by the teachers. As there is no other money to be drawn on for this purpose it is hoped that interested persons will help keep this fund available.

At the noon recess there are three teams to play captain ball, and there are other games for those who cannot make the team. To make the team the pupils must stand well in all their work. There is a breathing space midway of the morning and afternoon periods, when all the girls play briskly for a few minutes.

This year classes in practical arts were started in the

evening at the Industrial School and Clark Bennett School. These courses in dressmaking, millinery, and cooking offer opportunity for the girl working at her trade during the day to take up advanced work along these same lines in the evening, and so advance more rapidly in her business. To the woman living at home these classes are also open, and it has been very gratifying to see the numbers increase to the full capacity of the school. These classes have been in session from October to March.

Respectfully submitted,

MARY HENLEIGH BROWN,

Principal.

December, 1912.

REPORT OF THE SOMERVILLE INDUSTRIAL SCHOOL FOR BOYS, 1912-1913

Mr. Charles S. Clark,
Superintendent of Schools.

Dear Sir: The Industrial School for Boys, in the Davis School building on the corner of Tufts and Glen streets, East Somerville, is a part of the system of Somerville Public Schools.

One half the cost of maintaining this school is borne by the State of Massachusetts. This fact recommends the school as being well up to the standard established by the State for schools of this type, and taken together with the value of the products of the school itself, at market prices, makes the cost, to the city, of this more expensive education, compare favorably with that of other schools.

The aim of this school is vocational guidance for boys from fourteen to sixteen years of age. This aim includes the keeping up of the study of the "three R's" and other subjects essential to good citizenship. The school seeks not to imitate, but to express genuine conditions of life that call for the use of information in the subjects taught. Like the "quality of mercy" the essence of instruction also is not strained. Nothing is presented apart from its clearly reasonable and practical application.

Two trades are taught at present—the machinist trade and cabinetmaking. In either trade the boy, in accordance with his taste, may develop into a worker in heavy or light materials, or in coarse or fine products. He may become a builder of typewriters or of locomotives, a fine cabinetmaker or a house carpenter. Also, he may remain at the bench or become an engineer or an architect. Or he may decide to forsake the industries for the professions. All these possibilities are fully presented to the boys, and the individual boy is encouraged to investigate his own natural preferences.

Not the least important part of each day is the fifteen-minute parliament in the morning. All matters pertaining to the school, including improvements and repairs, government of school, annual exhibitions, and athletics, are considered and disposed of in an efficient manner. Questions of politics, of capital and labor, of social propriety, in short, the spontaneous interest of actual emergencies in affairs, are freely discussed as they occur in the progress of "business."

The first graduating class (June, 1912,) numbered 13. Eight of these are engaged at trades begun in the school, and the others are working in industrial positions at an advantage due to their course in the school.

The school is now full, and has a waiting list. The limited capacity of the school prevents its growth, so that no great advance has been made in the membership since the first year. During the first year (1910-11) 67 boys enrolled, and 40, or 60 per cent., were on the roll in June. In the second year (1911-12), 77 enrolled, and 49, or 63.6 per cent., remained until the close of the year. This year 85 have enrolled, and the present membership is 56, or 64.7 per cent. of the enrollment. The average membership for this year to date has been 55.75.

It will be seen at once that many boys leave the school before the close of the course. It is fair to say that 75 per cent. of the total enrollment is made up of those who are unsettled as to their immediate future. They have for various reasons become dissatisfied with the long-established schools, and come to this school in the hope, but not with the certainty of finding what they need. The two lines of activity offered, though consisting of the two great trades, naturally do not meet the aptitudes and temperaments of all who apply for admission, nor is it possible for them or for the school to decide in many cases until after a trial, whether or not they are adapted to these pursuits. Characters and destiny are at best matters of conjecture at the age of fourteen.

Also, the school is as yet in its infancy, and so is not convincing to many who depend upon wide popularity and prestige for their guidance. Each year brings greater confidence, and the school is steadily gaining a representative constituency throughout the city.

It will be of interest to note the reasons why boys have left the school this year. Ten have been compelled to go to work to support themselves or parents. At least five of these are working at their own or kindred trades. The parents in several cases have noted marked development of mechanical ability, and have not been willing to wait for graduation before putting their boys to work. Two have moved away, and one of these is working at his trade in Waltham. Four have left to enter more advanced courses, or other lines of training. One of these is in Wentworth Institute, Boston. Another entered the Lynn apprentice school, but is now working in a market in Boston. Another withdrew to enter a technical school in Cambridge. These boys were at least sixteen years of age. Four others were consistently indolent, or totally indifferent after thorough trial. These were advised to find employment. Three of these did not prove their unfitness for this school until the second year. Some of our best boys have come into their own during their second year. It is hard to say who should remain and who go. Two were continuously

or frequently ill, and unsuited to inside work. A considerable number have little attention at home.

The nature of the work done in this school is shown by the kind and variety of the product. During the year the wood department has turned out cabinets of various kinds, book-cases, drawing boards, chairs, tables, umbrella stands, office desks, roll tops, a revolving bookcase, many and intricate wooden patterns. Interior alterations have been made in the building so as to completely transform the appearance and arrangement.

The machine department has about completed the work of rebuilding an automobile. It has a new drill press well under way. It has built two emery grinders, several grindstone machines, and the wood shop transmission. It has done all its own repairing on machinery besides turning out much work for concerns in exchange for castings from our patterns.

The following simple statement shows the value at market prices of the commercially marketable labor which the boys have performed during the calendar year of 1912 (i.e., January 1, 1912, to January 1, 1913). In other words the articles upon which this labor was put were either ordered by patrons or by the city, or required for use in the school, and would have been bought in the open market if not made by the boys, so that the cost to the city was reduced by the amount of the difference between what it actually did pay for raw materials and what it would have paid for the finished articles. Private patrons paid their part of this difference, amounting for the year to \$26.93, which money is used for purchasing more materials.

For the

Wood Department, 1912	\$854 09
Machine Department, 1912	727 09
	<hr/>
	\$1,581 18

Respectfully submitted,

E. MINOR MORSE,

Principal.

December, 1912.

REPORT OF THE PRINCIPAL OF THE ATYPICAL CLASS.

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

Dear Sir: The class for atypical children which is held in the Bell School has its full membership of fifteen, five being new pupils. The ages of the children range from eight to fifteen years.

Progress in the regular studies is in many cases extremely slow, but under the individual teaching made possible by a small class each one progresses as fast as he is able. These children vary greatly in ability, from those who might easily pass for normal children down to those whose mentality is plainly below normal. In some of these cases, to attempt to teach the regular studies is manifestly a waste of time, since the little that has been so painfully won will inevitably slip away as soon as school days are over, leaving the child nothing to show for his time and labor, whereas if the same amount of time had been spent in industrial training he might have learned to do many useful things. Every child in the class has made progress along industrial lines, some of them gaining so steadily and surely as to give earnest of becoming capable of self-support when they reach maturity.

Examples Illustrating the Nature of the Work.

This is R. L.'s third year in the class. He is fifteen, with the mental capacity of a child of eight according to the Binet test. When he entered he could add a little, and knew parts of the multiplication table, but could neither subtract, multiply, nor divide. He has now overcome all difficulties in subtraction, can multiply by three figures, and is doing and proving examples in long division. He could not or would not read, but now reads one or more paragraphs every day, with help. Can take dictation, a word at a time, if I let him spell each word orally. It is something new for him to be willing to attempt this. As he gains confidence in his power to accomplish he has fewer fits of temper, and more courage to attempt new things. He is less sullen and resentful in appearance, and sometimes is bright and cheerful. The teacher in whose class he was, three years ago, visited us the other day, and noticed the change in the boy. She spoke of his evident ability to occupy himself in his work, and was surprised to see him try to overcome for himself the difficulties that he met.

D. F. is a bright appearing boy of thirteen who entered the class last September. His waywardness had caused his teachers and principal much annoyance. He could add, sub-

tract, and multiply examples of third grade A, with difficulty, but could not read or spell. He had little power of voluntary attention, so that he could not set himself to a task that was difficult and uninteresting. I let him begin long division to encourage him, and the thought that he is making progress helps him to hold his wavering attention to the point he is at work upon. He can now do and prove an easy example and frequently reminds me, when I praise him for it, that this is the first time he ever tried to do long division. He is trying hard (for him) to learn to read, and to write from dictation. He is so bright a boy in many ways that it is hard to think of his being handicapped through life by inability to read and write, but only time will tell whether it is really possible for him to learn or not. I do not yet see much improvement. He does excellent work in basketry and woodwork. He is ready, resourceful, and cheerful.

A. B., eleven, was at about the same point in his studies as D. F. when he entered the class two weeks later. His improvement has been more marked, both in arithmetic and reading. His gain in ability to make out words for himself is gratifying, and I have great hopes of teaching him to read. Although he had never done long division, he is now dividing by three figures, and seldom needs help on an example.

S. W., a little girl of eight, could not read a word, and could not combine numbers at all although she could count to ten when she entered in September. She was so nervous and restless that she could not fix her attention upon a word long enough to see how it really looked. Nothing that I gave her for occupation held her interest longer than a few seconds, except stringing beads and making paper chains, which she had learned to do in kindergarten. She was very noisy, often making guttural noises, humming or whistling, apparently unconscious of making any disturbance. Some days she has been so noisy and uncontrolled that I have sent her out to run around the building. She has gradually quieted down, and now enjoys doing the work given her. Sometimes it is tracing, Montessori fashion, a sand paper letter, then marking around a cardboard pattern of the same letter, filling it in with colored crayon, then cutting it out to "take home to mamma." She has learned to do spool knitting, to weave a mat, and is learning to outline. She takes about four stitches now correctly, then gets the work in a hopeless snarl, but even this shows progress in her case. She can combine numbers to five, and has learned to recognize ten words at sight. I expect to see great improvement in her by the end of the year.

A most interesting case is that of F. J., a boy of eleven, with a mentality of six years. For a year and a half he has had almost daily drill in the rudiments of reading and writing,

and has received much individual attention. He showed apparent progress last year when he became able to name twelve of the first grade words that were written on the blackboard, but it proved to be merely mechanical memory, as he was unable to tell a single word out of its regular order. He can write the words *can*, *see*, *me*, also his name. He has learned, with infinite patience on his part, to write his name without a copy (muscular memory), but if I ask him to write *can* he is just as likely to write *see*, and vice versa, since he cannot recognize these words by their printed or written forms. If I spell either of these two words for him he knows what it is, from having heard me spell it out probably some fifty times while guiding his hand in writing it. This is plainly one of those cases of which Dr. Goddard says: "When the part of the brain where word memories are located is injured the child cannot learn to read."

Great progress has been made in recent years in localizing our faculties in their corresponding brain areas. Dr. William Hanna Thompson gives some interesting examples of this in his book, "Brain and Personality," citing, for instance, the case of a patient of his who suddenly lost her ability to read, although her eyesight was unimpaired. A tiny blood clot clogged the artery that nourished that part of the brain, and from that time until her death, two years later, she was unable to read a word.

In the case of this boy who cannot recognize the simplest word at sight, after a year and a half of patient effort to learn, it is evident that the brain centre where word images are located is defective. Then is it not manifestly a waste of time to continue trying to teach him to read? He can do useful hand work in weaving, basketry, and chair-caning. He has some constructive ability, and is happy with hammer, nails, and wood, working out his ideas. Plainly, what this boy needs is training along concrete lines, in which alone he is capable of development.

Respectfully submitted,

MARY A. HOLT,

Teacher of Atypical Class, Bell School.

REPORT OF THE SUPERVISOR OF MANUAL ARTS.

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

Dear Sir: The following is a brief description of the aims, work, and results accomplished in Manual Arts.

In February, 1911, the drawing and manual training were combined under the name of Manual Arts. After investigating existing conditions, a course for the grades was adopted to suit the needs of the present school system. The course of study comprises a detailed outline for the nine grades with suggestions and illustrated data for the teachers. The aim of the course is to impart a general knowledge of the arts which will be of practical service to the pupils after they leave school, and at the same time assist them in the development of culture, refinement, and taste.

In the lower grades, correlation is emphasized, the drawing and constructive work being utilized as a help in other studies. "Centre work" is a strong feature of the course in the lower grades. This centre plan may be briefly described as follows: It provides certain topics in each of the grades, around which the work of the class is developed as long as the topic remains of interest.

In the upper grades the drawing is correlated with the different lines of handwork. The knife work of the boys in the sixth and seventh grades has been continued with a few changes, and much initiative work is beginning to show itself.

Classes for teachers in grade drawing and design and knife work have been held with good results. This work ought to be continued.

Three manual training centres are now in operation, a new course has been adopted, and the correlation of constructive drawing, language, arithmetic, geography, and spelling is now possible.

To obtain desired results the correlating of all classroom work with the boy's activities in the shops should be carried out as far as possible.

Special handwork, as basketry, weaving, booklet making, knife work, and cardboard construction, is carried on in certain grades below the sixth.

I believe handwork of many kinds could be carried along successfully through all the grades. This would necessitate a special teacher. Right here I wish to commend the teachers for their interest and co-operation in this new work.

In the High School several new courses have been adopted.

The Manual Arts for boys and the Household Arts for girls are briefly explained as follows:—

Work is planned for a four-years' course for boys and for girls with room and equipment for but two years.

In the Manual Arts for boys consideration is given to two important facts:—

1. The majority of high school graduates enter upon the work of some wage earning occupation.

2. Few, if any of those who enter high school know at the time of entrance what their future work is to be.

Therefore the work of the first two years is both cultural and industrial in character, and represents as many fundamental mechanical activities as our limited equipment affords. Hundreds of boys in the past have been unable to continue any form of handwork owing to the lack of facilities in the high school.

The work of the last two years should be specifically industrial in character and should serve particularly the needs of those who will enter the industries.

The general aim of the Household Arts course is:—

1. To prepare the girl for practical home-keeping.

2. To develop efficiency through practice.

3. To show the girl how she may gain best results with the least expenditure of material, time, and money.

4. To teach the value of different foods, and to get the full value for money expended.

5. To raise the general standard of home-making by helping the girl to realize her part in the home life, her responsibility for the comfort and health of the immediate family, and thus, in a broader sense, of the community at large.

At present, a limited equipment of two years' work only is furnished.

With adequate equipment all the girls in the High School may pursue a short course in cookery and sewing.

At present our High School is mainly academic and vocational in but a small way. I believe there should be a vocational tendency in all branches.

If one is to receive a profitable return he must prepare particularly to do what is required of those engaged in that occupation. Inasmuch as a majority of those at any time enrolled in the public schools must find a livelihood early in life, it is imperative that the public schools, even in the lower grades, offer an opportunity for vocational work.

Respectfully yours,

HARRY L. JONES.

December, 1912.

**STATEMENT CONCERNING THE CONDUCT OF SUMMER PLAY-
GROUNDS, SEASON OF 1912.**

The playground season for 1912 opened on Monday, July 8, with the following seven grounds in operation: Boys,—Lincoln Park, Kent street, City Field, Hodgkins School yard, Fellsway East, Joy street, and Glen street. Girls,—Perry School yard, Kent street, City Field, Hodgkins School yard, Broadway park, Davis School yard, Bennett School yard, and Central Hill Park. The playgrounds at the Prospect Hill School yard and the Morse School yard were not opened.

The Central Hill, Bennett School yard, and Kent street, for girls, Fellsway East, Kent street, and Joy street, for boys, were new grounds.

After a season of eight weeks the work of the playgrounds was brought to a close with an athletic meet for boys on Lincoln Park and with a playground festival for girls. The boys' athletic meet included contests between baseball teams representing the several field and track events in which individual representatives from the several grounds took part.

The playground festival was held on Central Hill on Wednesday, August 28. More than 1,000 children from the various playgrounds took part in the games and dances. Music was furnished by Teel's band. A new feature of the playgrounds activities this year was the operation of shower baths in the Clark Bennett schoolhouse.

The following table shows the receipts and expenditures for the conduct of the playgrounds work during 1912.

Receipts and Expenditures, 1912.

Amount appropriated by City Government		\$2,500 00	
Revenue from baths		61 55	
Paid for salaries of supervisors and in- structors	\$1,390 00		
Paid for equipment:—			
Teeters, swings, giant strides, etc., including material used for installing	\$385 45		
Trees	16 00		
Teaming	32 53		
Labor	31 86		
		465 84	
Athletic supplies:—			
Baseballs, bats, basket balls, volley balls, indoor base- balls, etc.	\$170 68		
Medals, etc.	15 65		
		186 33	
Band for Festival		70 40	
Baths:—			
Salaries of bath attendants	\$133 92		
Supplies, including launder- ing	45 33		
		179 25	
Miscellaneous supplies and disbursements		269 73	
Balance unexpended . . . . .		.....
		<u>\$2,561 55</u>	<u>\$2,561 55</u>

Somerville Playgrounds Association.

Amount raised		\$1,446 62	
Paid for salaries of supervisors and in- structors	\$983 40		
Supplies	269 11		
Miscellaneous disbursements	76 60		
Balance unexpended	117 51		
		<u>\$1,446 62</u>	<u>\$1,446 62</u>

FIRST REPORT OF THE BANK SAVINGS SYSTEM.

Statement concerning the operation of the School Savings Banks, showing the schools in which they are conducted and facts concerning deposits, from the opening of the system March 1, 1912, to January 1, 1913:—

Name.	Amount Deposited.	Amount Withdrawn.	Amount Transferred.	Balance Jan. 1, 1913.
Hanscom	\$54 10	\$7 70	\$21 25	\$25 15
Bennett	39 80	3 30	3 00	33 50
Knapp	266 03	65 87	73 95	126 21
Perry	69 10	10 65	13 00	45 45
Baxter	134 66	35 51	.....	99 15
Cummings	134 49	77 97	.....	56 52
Pope	307 70	82 75	100 00	124 95
Bell	248 08	80 52	31 00	136 56
Edgerly	638 50	70 45	441 80	126 25
Glines	261 80	18 95	152 50	90 35
Forster	388 15	12 85	242 60	132 70
Bingham	672 21	84 02	344 00	244 19
Morse	118 52	21 55	42 00	54 97
Burns	182 23	5 20	29 85	147 18
Durell	100 05	29 55	6 00	64 50
Proctor	201 41	21 20	75 25	104 96
Brown	462 35	20 20	304 00	138 15
Highland	556 82	47 55	324 00	185 27
Hodgkins	548 92	29 05	214 75	305 12
Lowe	237 60	17 70	78 25	141 65
	<u>\$5,622 52</u>	<u>\$742 54</u>	<u>\$2,497 20</u>	<u>\$2,382 78</u>

SOMERVILLE TEACHERS' ASSOCIATION.**OFFICERS, 1912-1913.**

President, Frank W. Seabury.
 Vice-President, Harry L. Jones.
 Vice-President, Mary Henleigh Brown.
 Secretary-Treasurer, Irene Vincent.

Executive Committee:—

Superintendent Charles S. Clark, ex-officio.

Edyth M. Grimshaw, Prescott.	Margaret A. Orr, Glines.
Charles W. Hurn, Boys' Industrial School.	Grace Shorey, Forster.
Mary B. Nelson, Hanscom.	Mary F. Mead, Bingham.
Eleanor W. Nolan, Bennett.	Mary E. Soule, Carr.
Etta R. Holden, Baxter.	Mina J. Wendell, Morse.
Bessie N. Page, Knapp.	Mary S. Richardson, Proctor.
Florence E. Locke, Pope.	Grace E. Packard, Durell.
Rena S. Hezeltón, Bell.	Alice E. Morang, Burns.
Lucia Alger, Cummings.	Alice R. Gould, Brown.
Annie L. Dimpsey, Edgerly.	Arthur L. Doe, Hodgkins.
	Harlan P. Knight, Cutler.
	Stella M. Holland, Lowe.

The meetings held under the auspices of this association in the year 1912 were as follows:—

- February 14—Rev. Edward Cummings of Cambridge. Subject: "Plato as a Twentieth Century Educator."
 February 17—Social Evening.
 March 28—Discussion of the Federation Platform.
 April 10—Rev. Edward Cummings. Subject: "Things We Need to Know and Teach."
 October 9—Dr. David Snedden, Commissioner of Education for the State of Massachusetts. Subject: "Problems of Teachers' Retirement."
 December 11—Mr. Walter Sargent, Professor of Aesthetic and Industrial Education, Chicago University. Subject: "Relation Between Utility and Beauty."

SOMERVILLE TEACHERS' CLUB.

OFFICERS, 1912-1913.

President, Miss Elizabeth J. O'Neil.
 Vice-Presidents, { Miss Grace E. W. Sprague.
 { Miss Grace T. Merritt.
 Recording Secretary, Miss Blanche L. Paine.
 Corresponding Secretary, Miss Alice E. Morang.
 Treasurer, Miss Olevia M. Woods.
 Auditor, Miss Katherine Pike.

OBJECT.

The object shall be to secure a close union among the women teachers in Somerville; to promote the spirit of mutual helpfulness; to advance professional interests; to create a deeper sense of the dignity of the profession; to unite the interests of home and school.

PROGRAMME.

January 9—Chafing-dish demonstration, Minnie S. Turner.
 January 24—Guest night. Mrs. Christabel W. Kidder, reader.
 February 13—Musical. Artists: Miss Myra L. Eckoff, Mr. Herbert W. Smith, Mr. Arthur K. Hadley, Mrs. Irene O. Grant.
 March 12—Reading of Oscar Wilde's comedy, "The Importance of Being Earnest," Professor Thomas Crosby, Brown University.
 April 9—Musical. "The History of Scottish Song," Ellen Elizabeth Doane.
 April 24—A play, "Lords and Ladies; or, Just for Fun," by club members.
 May 28—Annual meeting.
 October 8—Opening fall meeting. Addresses by Mrs. Blanche E. Herbert and Mrs. Mary G. Whiting. Reception.
 October 21—Special meeting. Subject: "Teachers' Pensions," Mr. Hamilton of the State Board of Education.
 November 12—Address, "Equal Suffrage," Mrs. Lucia Ames Mead.

At the meeting of the School Board held on January 29, 1912, the following resolution was adopted:—

Miss Mary A. Lawry passed from this life on January 24, after an illness of one day. She was a teacher of great fidelity and earnestness of purpose. In her death the schools lose an enthusiastic and valuable worker. In appreciation of her high character and devoted work for the schools, the School Committee places this expression upon its minutes, and directs that a copy hereof be sent to the family of the deceased.

At the meeting of the School Board held on April 29, 1912, the following notice was given:—

The Superintendent of Schools announced the death on Friday, April 26, of Naomi E. Stevens, teacher in the Bingham School.

CONTENTS OF APPENDIX.

SUMMARY OF STATISTICS

Population and school census
 School buildings
 Teachers
 Attendance for year
 Cost of school maintenance
 Teachers' salaries
 Results of eye and ear tests

MISCELLANEOUS TABLES

CONCERNING FINANCE

No. of Table

1. Schedule of school property
2. Cost of maintaining schools, school year 1911-1912
3. Cost per capita of maintaining schools, school year 1911-1912
4. Cost of maintaining schools for a series of years
5. Cost per capita for maintaining schools for a series of years
6. Amount spent annually for new school buildings and for repairs for a series of years

CONCERNING PUPILS

7. Population and school census
8. Attendance, etc., of the schools for school year 1911-1912
9. Statistics of the high schools, for school year 1911-1912
11. Separate statistics for grammar and primary schools, for school year 1911-1912
12. Admissions to first grade in February and September
13. Number of grammar school graduates, 1912
14. Truant statistics for a series of years
15. Evening school statistics, 1911-1912
16. Grammar school graduates for a series of years
17. Attendance statistics of all schools for a series of years
18. Statistics of the high school for a series of years
19. Promotions, 1912
- 19-A. Distribution of pupils by ages, October 1, 1912
- 19-B. Distribution of pupils, 14 but not 15, October 1, 1912

CONCERNING TEACHERS

20. Resignations of teachers, 1912
21. Teachers elected in 1912
22. Leave of absence of teachers
23. Transfers of teachers
24. Number of teachers employed for a series of years

STATISTICAL AND GENERAL TABLES

25. Changes in text-books, 1912
26. High school graduation exercises, 1912
27. Grammar school graduation exercises, 1912
28. Organization of school board for 1913
29. Teachers in service January, 1913
30. Officers in service January, 1913
31. School janitors

SUMMARY OF STATISTICS.

1.—POPULATION AND SCHOOL CENSUS.

Population, state census, 1895.....	52,200
Population, United States census, 1900.....	61,643
Population, state census, 1905.....	69,272
Population, United states census, 1910.....	77,236
Children between five and fifteen years of age, October, 1911, by school census.....	12,758
Children between five and fifteen years of age, October, 1912, by school census.....	12,470
Decrease	288

2.—SCHOOL BUILDINGS.

	1911.	1912.	Change.
Number of school buildings....	27	27	0
Number of classrooms in use in June	281	281	0
Valuation of school property... \$	1,507,112	\$1,596,041	

3.—TEACHERS.

	1911.	- 1912.	Change.
In high schools.....	62	66	+4
In grammar schools.....	169	169	0
In primary schools.....	83	83	0
In kindergartens.....	7	8	+1
Total in elementary schools.....	259	260	+1
Industrial school for boys.....	4	4	0
Industrial school for girls.....	6	8	+2
Atypical class.....	1	1	0
Cadet teachers.....	2	0	-2
Special	9	10	+1
Total	343	349	+6

4.—ATTENDANCE FOR YEAR.

	†1911.	*1912.	Change.
Entire enrollment for the year....	14,301	13,272	-1,029
Average number belonging	11,871	11,710	-161
Average number attending.....	11,186	11,083	-103
Per cent. of daily attendance....	94.2	94.6	+0.4
High school graduates.....	277	296	+19
Grammar school graduates.....	805	781	-24

5.—COST OF SCHOOL MAINTENANCE.

	†1911.	*1912.	Change.
Salaries of teachers..... \$	293,267.30	\$299,193.32	+\$5,926.02
Salaries of officers.....	7,125.80	7,515.82	+390.02
Cost of books and supplies	24,968.48	30,319.38	+5,350.90
Cost of light.....	4,750.65	5,995.20	+1,244.55
Cost of janitors' services,	26,031.12	30,219.41	+4,188.29
Cost of fuel.....	14,907.12	15,675.94	+768.82
Telephones	528.63	511.81	-16.82
Total cost of day and evening schools..... \$	371,579.10	389,430.88	+17,851.78
Per capita cost.....	29.07	30.66	+1.59

	†1911.	*1912.	Change.
Cost of high school in- struction	73,302.95	72,930.75	-372.20
Per capita cost.....	42.69	40.25	-2.44

6.—MISCELLANEOUS.

	1911.	1912.	Change.
Paid for new school buildings	\$7,148.74	\$35,527.55	+\$28,378.81
Repairs and permanent improvements	18,911.04	14,163.46	-4,747.58
Total school expendi- tures	397,638.88	439,121.89	+41,483.01
Number of dollars spent to maintain schools out of every \$1,000 of valuation.....	5.52	5.56	+0.04
Valuation of city.....	67,284,066.00	69,632,540.00	+2,348,474.00
Number of dollars spent for all school pur- poses out of every \$1,000 of valuation...	5.98	6.16	0.18

†Fiscal year.

*School year.

Cost of the Schools. The total amount spent for the maintenance of the schools of Somerville for the municipal year 1912 is \$392,687.64. This does not include the sums spent on schoolhouse repairs and for new buildings. It does cover the amount paid for the care of school buildings, for janitors' services, fuel, light, and school telephones. This expenditure is wholly in charge of the city government.

The amount paid for janitors is.....	\$27,965.46
The cost of fuel is.....	15,758.24
The cost of light is.....	5,523.61
The cost of the school telephones is.....	530.99
<hr/>	
A total cost of.....	\$49,778.30
The cost per capita.....	3.92
Cost of repairs.....	\$24,620.38

The second important expenditure is wholly under the control of the Board, and is covered by what is known as the "School Contingent" appropriation. The following is the itemized account:—

Officers' salaries.....	\$7,498.59
Books	\$9,141.79
Stationery	6,538.68
Laboratory and manual training sup- plies	3,120.92
Bookkeeping blanks.....	412.95
Maps, charts, etc.....	222.04
Drawing	1,172.74

Amounts carried forward	\$20,609.12	\$7,498.59
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Amounts brought forward.....	\$20,609.12	\$7,498.59
Typewriters and supplies.....	256.87	
Printing	1,664.25	
Telephones	195.93	
Postage	251.84	
Travel	255.27	
Expressage	107.84	
Bookbinding	872.81	
Board of truants.....	817.96	
Census	251.92	
Kindergarten supplies.....	273.39	
Graduation exercises.....	435.50	
Repairing and tuning pianos.....	57.75	
Tuition for pupils in Boston.....	207.17	
Tuition for pupil in Medford school..	15.00	
Industrial school for boys.....	1,543.09	
Industrial school for girls.....	409.11	
Atypical school.....	15.23	
Evening Practical Arts Classes.....	15.00	
Cooking Classes, High School.....	274.73	
Dental supplies.....	80.51	
Adding machine.....	220.50	
Miscellaneous	700.99	
	<hr/>	
Total for school supplies, etc.....		29,531.78
		<hr/>
Total outlay on school contingent account.....		\$37,030.37
Appropriation		32,000.00
		<hr/>
Deficiency		\$5,030.37

The third, and by far the largest, element of the cost of schools is the sum spent for the salaries of teachers. The following shows the monthly payments:—

January	\$30,190.93
February	30,346.01
March	30,750.05
April	30,021.00
May	30,059.27
June	29,903.06
September	29,858.50
October	31,341.32
November	31,941.63
December	31,467.20
	<hr/>
Total	\$305,878.97
Amount of appropriation.....	306,000.00
	<hr/>
Balance	\$121.03

The estimate of the School Board for teachers' salaries amounted to \$315,500. The expenditure was \$9,621.03 less.

The total outlay for all school purposes in 1912 was as follows:—

Care of schoolhouses.....	\$49,778.30
Administration	7,498.59
School supplies.....	29,531.78
Teachers' salaries.....	305,878.97
<hr/>	
Total for school maintenance.....	\$392,687.64
Paid for repairs.....	24,620.38
<hr/>	
Total for all school purposes.....	\$417,308.02

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

	1907.	1908.	1909.	1910.	1911.	1912.	
Janitors' salaries.....	\$0.070	\$0.070	\$0.071	\$0.070	\$0.071	\$0.071	
Heat and light.....	0.057	0.051	0.052	0.054	0.053	0.054	
Administration	0.016	0.015	0.015	0.017	0.019	0.020	
School supplies.....	0.072	0.072	0.061	0.071	0.068	0.076	
Teachers' salaries...	0.785	0.792	0.801	0.788	0.789	0.779	
<hr/>		<hr/>		<hr/>		<hr/>	
Total	\$1.000	\$1.000	\$1.000	\$1.000	\$1.000	\$1.000	

Per Capita Cost. The proper method of comparison of the cost of schools year by year is to consider the sum spent for each pupil in the average membership. In this computation we exclude the cost of evening schools, the sum being so large as possibly to mislead. The following shows

THE PER CAPITA COST OF DAY SCHOOLS FOR 1911 AND 1912.

	High Schools.			Grammar and Primary Schools.			All Day Schools.		
	1911.	1912.	Increase.	1911.	1912.	Increase.	1911.	1912.	Increase.
Instruction . . .	\$42 85	\$41 13	—\$1 72	\$21 18	\$21 99	\$0 81	\$24 68	\$24 97	0 29
Supplies	4 78	5 63	0 85	1 36	1 71	0 35	2 06	2 34	0 28
Care	5 08	5 39	0 31	3 45	3 94	0 49	3 77	4 16	0 39
<hr/>		<hr/>		<hr/>		<hr/>		<hr/>	
Total	\$52 71	\$52 15	—\$0 56	\$25 99	\$27 64	\$1 65	\$30 51	\$31 47	\$0 96

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

	1909.	1910.	1911.	1912.	
Cost of instruction.....	\$24.06	\$23.05	\$23.50	\$23.61	
Cost of supplies.....	1.76	2.03	1.95	2.12	
Cost of care.....	3.66	3.59	3.62	3.99	
<hr/>		<hr/>		<hr/>	
Total	\$29.48	\$28.67	\$29.07	\$29.72	

An examination of these tables shows that we have paid \$1.72 more for the instruction of each pupil in the high school than in 1911, and eighty-five cents more per pupil for supplies.

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

CLASSIFIED STATEMENT SHOWING DISTRIBUTION OF EXPENDITURES CONTROLLED BY THE SCHOOL BOARD.

SCHOOLS.	SALARIES					Administration	Books.	White Paper.	Manila Paper.	Blank Books.	Pencils, Pens, etc.	Maps and Charts.	Bookbinding.	Kindergarten Supplies.	Manual Training Supplies.	Drawing Supplies.	Laboratory Supplies.	Bookkeeping Blanks.	Cooking Supplies.	Typewriters and Supplies.	Printing.	Expressage.	Mending Tape, Paste, etc.	Piano Tuning and Repairing.	Travel.	Graduation Expenses.	Postage.	Tuition and Board of Truants.	Miscellaneous.	Totals.
	Regular.	Substitute.	TEACHERS Special.	Kindergarten.	Total.																									
High	\$73,725 00	\$721 00	\$406 35		\$74,852 35		\$3,352 76	\$675 04	\$195 80	430 38	\$189 68	\$70 08	\$378 33		\$1,146 89	\$511 78	\$640 91	\$144 40	\$274 23	\$394 72	\$445 46	\$22 62	\$14 57	\$7 00	\$13 32	\$310 42	\$30 35		\$163 69	\$9,412 43
Prescott	10,711 25	100 75	557 18		11,369 18		279 54	134 80	33 74	14 08	46 37	21 21	28 83	\$2 65	95 37	38 64						3 65	9 40		11 23	8 32			11 90	739 73
Hanscom	7,111 88	50 25	196 56	\$1,079 88	8,438 07		140 17	66 41	67 34	4 12	36 87	8 85	7 82	79 34	1 72	41 01						1 00	2 66	7 00				12 99	477 30	
Bennett	7,115 00	141 50	190 29	750 00	8,196 79		286 65	36 58	36 70	4 40	32 01	17 65	41 26	66 65	7 22	63 51						1 50	1 57	6 00				15 06	616 82	
Baxter	4,001 88	42 00	114 20	945 00	5,103 08		67 77	65 95	29 94	12 30	28 43	3 75	2 21	28 14		22 56						1 05	2 18	5 00				11 55	280 83	
Knapp	11,432 69	40 50	694 60		12,167 79		452 03	162 91	48 41	31 02	54 68	51	37 47	6 05	115 80	49 61						11 75	8 75					12 75	1,068 79	
Perry	4,342 81	100 25	145 85		4,588 91		119 92	20 52	25 06	1 20	15 77		1 87	3 00	7 61	24 58						1 10	1 12	2 00				9 23	232 98	
Pope	10,433 50	22 50	594 54		11,050 54		221 94	64 49	35 57	20 11	44 83		30 09	2 00	108 11	44 82						1 35	14 34	2 00				18 60	618 37	
Bell	8,626 12	61 75	562 62		9,250 49		158 04	57 93	18 00	15 08	48 41		43 86	12 22	99 57	50 42						1 05	5 95	4 00				17 68	548 08	
Cummings	2,910 38	27 50	61 56		2,999 44		81 94	17 10	22 60		6 66			2 82		11 03						40	1 98					12 87	158 03	
Edgerly	10,086 50	49 75	572 22		10,708 47		474 99	107 79	57 76	18 15	90 00		12 41	2 24	98 65	49 75						1 20	5 83	50				28 25	962 37	
Glines	10,898 87	44 50	555 22	992 50	12,491 09		266 72	45 25	69 59	9 37	49 33		12 16	28 91	69 61	39 67						2 35	6 35					17 00	627 24	
Forster	13,858 84	42 50	723 69		14,625 03		323 02	176 92	73 21	24 55	95 08		49 60	20 96	123 97	85 57						30	6 28	6 00	9 61	20 78	1 25	16 98	1,034 08	
Bingham	14,065 13	72 50	702 92		14,840 55		471 62	124 55	45 23	21 56	60 71	14 55	51 51	14 51	106 96	58 77						1 80	7 74	2 00	2 21	9 72		18 13	1,011 57	
Carr	14,221 32	108 00	766 84		15,096 16		472 55	100 63	36 28	15 47	55 87	19 25	14 11	19 38	103 77	76 63						1 55	5 97	2 75				17 74	949 40	
Morse	9,477 63	86 75	530 55		10,094 93		260 27	69 67	66 42	24 61	50 13	13 95	13 09	18 07	70 62	51 60						55	5 68					17 61	675 82	
Proctor	5,559 51	81 75	186 84		5,828 10		173 66	68 63	50 27	5 75	27 65		25 67	5 15	15 23	19 08						1 10	4 20					18 00	414 39	
Durell	2,745 12	40 75	68 52		2,854 39		77 77	19 70	15 08		9 22		2 89	4 19		12 76						75	1 86					12 56	157 41	
Burns	6,264 88	55 00	205 03		6,524 91		82 16	51 75	28 41	6 72	25 85	1 95		17 63	15 24	31 75						90	9 75	3 50				14 91	239 62	
Brown	8,917 62	35 50	470 86		9,423 98		391 33	54 21	26 98	13 70	31 13	6 48	38 59	7 87	70 57	23 85						1 30	7 94	3 00	10 39	12 20		18 19	717 73	
Highland	10,439 75	83 75	735 54		11,259 04		206 64	136 60	50 72	29 45	32 22		16 66		158 20	41 02						40	4 74	5 00	85	24 08		10 85	717 43	
Hodgkins	12,048 75	280 25	686 57		13,015 57		371 21	100 12	15 21	17 86	40 46	32 57	39 79	12 34	93 02	43 85						3 60	6 30	2 00				22 89	815 67	
Lincoln	2,045 00	66 25	40 80		2,152 05		12 87	20 53	21 69	2 56	11 66			17 41		4 62						55	2 92					15 19	110 00	
Lowe	6,200 24	38 00	137 02		6,375 26		201 76	28 58	36 87	2 97	14 74	4 67	3 74	9 48		33 37						1 45	1 92					15 50	355 05	
Cutler	3,798 24	28 50	172 88		3,999 62		224 98	144 62	70 33	16 59	60 57			1 15	59 34	26 04						3 05	5 25					19 67	631 59	
Atypical	815 00				815 00		89	82	1 67		2 86				11 64	3 65							1 00					10	22 63	
Boys' Industrial	3,990 18		100 00		4,090 18		11 73								1,111 47	116 57									14 70	4 25	11 75	174 22	1,555 71	
Girls' Industrial	5,697 50				5,697 50		13 44								183 09	3 15									3 05	19 86		130 94	412 59	
Evening, High	4,142 50				4,142 50			22 38	5 60	7 37	12 55					165 42	2 70	282 13										1 80	572 05	
Evening, Bell	2,704 00				2,704 00			21 14	7 91	2 90	9 20																	1 15	71 18	
Evening, Highland	753 00				753 00			4 93	3 15	3 24	2 33																	1 10	24 91	
Stock Administration						\$7,498 59	25 98					4 95	141 00	6 40	1 15								17 82					161 31	356 63	
Miscellaneous							41 94								6 85	35 66							250 10	682 23	30 85			297 69	1,715 32	
Evening, Industrial	303 50				303 50																					1 02	\$1,040 13	387 00	1,976 36	
Dental Service	67 50				67 50																							15 00	15 00	
Totals	\$289,510 59	\$2,421 75	\$10,179 25	\$3,767 38	\$305,878 97	\$7,498 59	\$9,266 29	\$2,600 55	\$1,195 54	\$756 83	\$1,185 27	\$220 42	\$869 21	\$523 16	\$3,886 92	\$1,781 89	\$643 61	\$426 53	\$298 79	\$695 37	\$1,718 66	\$142 13	\$186 07	\$57 75	\$281 37	\$505 37	\$233 45	\$1,040 13	\$1,719 20	\$30,284 51

Less stock on hand sent out to schools \$752 73

Amount spent for supplies from Contingent, 1912 \$29,531 78

According to the Annual Report of the State Board of Education for 1911-'12, the amount yielded for each child in the average membership of the public schools was \$33.31, giving to Somerville the rank of 106 among the cities and towns of Massachusetts. In 1910-'11 the rank was 109. By the same report it is shown that Somerville appropriated to the support of the public schools \$5.95 for each thousand dollars of valuation, and had the rank of 138. The year before the amount spent was \$5.75 and the rank 132.

The amount spent for the fiscal year 1912 was \$5.64, or twelve cents more than that spent in 1911. The amount yielded for each child in the average membership of the schools for 1912, not including the industrial schools, was \$33.06.

Teachers' Salaries. The salaries paid to teachers in January, 1913, are as follows:—

1 man	\$3,200	2 women	\$850
3 men	2,000	17 women	825
9 men, 2 women.....	1,900	7 women	800
1 man	1,850	5 women	775
3 men	1,800	165 women	750
8 men	1,700	25 women, 1 man.....	700
1 man, 1 woman.....	1,600	16 women	650
3 men	1,500	14 women, 1 man.....	600
2 men, 1 woman.....	1,400	1 woman	525
1 man	1,300	1 woman	500
3 women	1,200	2 women	475
3 men	1,100	1 woman	425
2 men	1,050	2 women	400
1 man, 15 women.....	1,000	1 woman	375
3 women	950	2 women	350
18 women	900	3 women	275
2 women	875		

Sight and Hearing.

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

EYES.

	1911.	1912.	Change.
Tested	10,794	10,933	+139
Defective	1,822	1,765	—57
Per cent. defective.....	16.9	16.1	—0.8
Notices sent to parents.....	1,098	1,085	
Professionally treated.....	181	169	

EARS.

	1911.	1912.	Change.
Tested	11,303	11,634	+331
Defective	292	270	—22
Per cent. defective.....	2.6	2.3	—0.3
Notices sent to parents.....	202	182	
Professionally treated.....	33	26	

TABLE 1.—SCHOOLHOUSES.

NAME.	No. of Classrooms.	No. of Sittings.	Size of Lot, including Space Occupied by Building.	Material.	How Heated.	How Ventilated.	Valuation, including Furniture.	When Built.	Enlargements.
High } West	17	1,272	*.....	Brick	Steam	Fan	\$141,160	1895	8 rooms added 1906
School } East	14		.....	Brick	Steam	Fan	114,761	1871	
Prescott	12	585	22,000	Brick	Steam	Fan	66,260	1867	
Knapp	13	636	24,517	Brick	Steam	Gravity	50,540	1889	4 rooms added 1894
Pope	12	578	27,236	Brick	Steam	Gravity	85,760	1891	
Bell	12	501	22,262	Brick	Steam	Fan	48,897	1874	
Edgerly	12	533	24,000	Brick	Steam	Gravity	46,030	1871	{ 4 rooms added 1882 { 4 rooms added 1892
Glines	14	674	28,800	Brick	Steam	Gravity	80,740	1891	5 rooms added 1896
Forster	18	823	30,632	Brick	Steam	Gravity	85,290	1866	6 rooms added 1899
Bingham	16	797	35,586	Brick	Steam	Gravity	70,005	1886	{ 4 rooms added 1894 { 8 rooms added 1904
Carr	17	776	20,450	Brick	Steam	Gravity	54,210	1898	
Morse	12	520	29,000	Brick	Furnace	Furnace	48,199	1869	6 rooms added 1890
Highland	12	583	23,260	Brick	Steam	Gravity	60,560	1880	4 rooms added 1891
Hodgkins	14	557	35,034	Brick	Steam	Gravity	75,651	1896	
Cutler	12	551	53,729	Brick	Steam	Steam	88,929	1912	
Bennett	12	507	17,000	Brick	Steam	Gravity	60,248	1902	
Hanscom	12	481	12,756	Brick	Steam	Fan	73,290	1897	4 rooms added 1907
Carried forward	231	10,374	.....	.....	.....	.....	\$1,250,530	....

(a) There are besides, nine recitation rooms, a chemical, a physical, and a biological laboratory, four manual training rooms, a cooking room a typewriting room, three drawing rooms, two libraries, two offices, three teachers' rooms, two lecture halls, and a lunch room in the basement.
*Buildings are located on Central Hill Park, which contains 13 1-10 acres.

TABLE I (Concluded).—SCHOOLHOUSES.

NAME.	No. of Classrooms.	No. of Sittings.	Size of Lot, including Space Occupied by Building.	Material.	How Heated.	How Ventilated.	Valuation, including Furniture.	When Built.	Enlargements.
Brought forward	231	10,374	.....	.....	.....	.....	\$1,250,530	....
Brown	10	487	20,093	Brick	Steam	Gravity	64,151	1901	4 rooms added 1907
Proctor	9	343	18,000	Brick	Steam	Gravity	42,820	1905	
Burns	8	387	16,080	Brick	Steam	Gravity	34,760	1886	4 rooms added 1899
Lowe	8	337	21,650	Brick	Steam	Gravity	51,826	1903	
Baxter	6	298	11,000	Brick	Steam	Gravity	32,956	1901	
Perry	6	321	46,080	Brick	Steam	Gravity	37,080	1899	
Girls' Industrial	6b	50	8,850	Wood	Furnace	Furnace	9,338	1911	
Boys' Industrial	4	50	30,155	Wood	Furnace	Furnace	22,720	1884	
Cummings	4	167	11,300	Wood	Furnace	Furnace	11,920	1884	
Durell	4	198	13,883	Brick	Steam	Gravity	19,720	1894	
Lincoln* . . . . .	..	..	17,662	Wood	Steam	Gravity	18,220	1885	
Total	296	13,012	.....	....	.....	.....	\$1,596,041	....

(b) There are besides one girls' dining room, one teachers' dining room, one stock room, four fitting rooms, one infirmary, and a principal's office.
* Temporarily out of use.

TABLE 2.—COST OF MAINTAINING SCHOOLS
FOR SCHOOL YEAR 1911-12.

SCHOOLS.	FROM SCHOOL APPROPRIATION.		SPENT BY CITY GOVERNMENT.	Total.
	Instruction and Supervision.	Supplies.	Care.	
High	\$74,529 17	\$10,396 29	\$9,758 19	\$94,683 65
Prescott	11,496 32	993 53	1,842 01	14,331 86
Knapp	12,216 04	1,001 64	1,760 72	14,978 40
Pope	11,544 26	836 56	2,023 18	14,404 00
Bell	9,817 85	844 08	1,467 99	12,129 92
Edgerly	10,797 64	993 38	1,638 54	13,429 56
Glines	12,618 85	735 93	2,275 38	15,630 16
Forster	14,763 00	1,180 28	3,146 34	19,089 62
Bingham	15,024 29	1,127 55	2,100 29	18,252 13
Carr	15,192 72	1,281 86	2,274 71	18,749 29
Morse	10,324 60	721 62	1,679 55	12,725 77
Brown	9,444 27	734 86	1,548 72	11,727 85
Highland	11,232 22	1,032 29	1,642 19	13,906 70
Hodgkins	14,495 06	1,216 36	1,781 60	17,493 02
Bennett	8,507 02	638 26	1,822 04	10,967 32
Hanscom	8,758 64	569 31	1,770 38	11,098 33
Proctor	6,004 31	502 63	1,418 01	7,924 95
Burns	6,560 40	497 34	1,363 88	8,421 62
Lowe	6,684 77	438 85	1,394 08	8,517 70
Baxter	4,932 92	348 12	1,090 46	6,371 50
Perry	4,638 54	285 71	1,128 29	6,053 54
Cummings	3,136 70	251 97	1,136 13	4,524 80
Durell	2,983 82	219 04	902 22	4,105 08
Lincoln	3,623 41	278 61	1,381 04	5,283 06
Evening	7,573 95	548 21	1,977 09	10,099 25
Atypical	820 66	46 52	34 13	901 31
Boys' Industrial	3,996 95	1,837 15	1,363 47	7,197 57*
Girls' Industrial	4,990 76	761 43	680 73	6,432 92*
Total	\$306,709 14	\$30,319 38	\$52,402 36	\$389,430 88

* This total for industrial schools is about \$7,004 larger than the cost to the city for maintaining them, as the city will be reimbursed that amount by the state under provisions of Statute.

TABLE 3.—PER CAPITA COST OF MAINTAINING SCHOOLS.
FOR SCHOOL YEAR 1911-12.

SCHOOLS.	Instruction and Supervision.	Supplies.	Care.	Total.
High	\$41 13	\$5 63	\$5 39	\$52 15
Prescott	22 72	1 96	3 64	28 32
Knapp	24 19	1 98	3 48	29 65
Pope	24 10	1 75	4 22	30 07
Bell	22 67	1 95	3 39	28 01
Edgerly	22 92	2 11	3 48	28 51
Glines	23 63	1 38	4 26	29 57
Forster	21 58	1 73	4 60	27 91
Bingham	20 47	1 54	2 86	24 87
Carr	23 20	1 96	3 47	28 63
Morse	23 52	2 64	3 82	28 98
Brown	22 07	1 72	3 62	27 41
Highland	21 60	1 99	3 16	26 75
Hodgkins	23 45	1 97	3 88	28 30
Bennett	20 35	1 53	4 36	26 24
Hanscom	19 33	1 26	3 91	24 50
Proctor	20 70	1 73	4 89	27 32
Burns	20 37	1 54	4 24	26 15
Lowe	20 20	1 33	4 21	25 74
Baxter	21 45	1 51	4 74	27 70
Perry	19 57	1 21	4 76	25 54
Cummings	20 50	1 65	7 43	29 58
Durell	19 13	1 40	5 78	26 31
Lincoln	18 68	1 44	7 11	27 23
Evening	7 64	55	2 00	10 19
Atypical	54 71	3 10	2 28	60 09
Gram. and primary	21 99	1 71	3 94	27 64
All schools	23 61	2 12	3 99	29 72
Boys' Industrial*	83 27	38 27	28 41	149 95
Girls' Industrial .	113 43	17 31	15 47	146 21

* Deducting from the cost of supplies the value of the product of the school, which is \$1,581.18 for this year, the per capita expense is \$117.01.

TABLE 4. — ANNUAL COST OF MAINTAINING THE SCHOOLS
FOR A SERIES OF YEARS.

Amounts are given to the nearest dollar and include what has been paid for maintaining day and evening schools of all grades.

YEAR.	Average Membership.	FROM SCHOOL APPROPRIATION.		SUM SPENT UNDER DIRECTION OF CITY GOVERNMENT.				Total.
		Instruction and Supervision.	School Supplies.	Light.	Heating.	Janitors.	School Tele-phones.	
1886	4,985	\$83,542	\$6,676	\$624	\$4,929	\$4,194	...	\$99,865
1887	5,198	86,713	7,526	765	6,475	5,084	...	106,563
1888	5,488	88,967	7,421	953	7,121	5,892	...	110,354
1889	5,956	96,466	9,903	805	6,081	6,448	...	119,703
1890	6,486	104,184	10,371	1,004	5,586	7,539	...	128,684
1891	6,502	114,066	13,899	1,047	8,032	8,544	...	145,588
1892	7,035	124,232	12,944	1,064	7,148	9,794	...	155,183
1893	7,217	128,720	10,137	1,014	8,312	10,160	...	158,333
1894	7,212	132,919	10,919	958	9,673	10,686	...	165,155
1895	7,617	144,113	15,063	1,398	8,796	11,581	...	180,951
1896	8,077	161,551	17,601	1,469	9,962	14,160	...	204,743
1897	8,589	180,222	14,815	1,920	10,065	16,251	...	223,273
1898	9,085	189,244	14,986	2,075	9,767	17,393	...	233,465
1899	9,502	197,660	16,131	2,472	10,821	17,831	...	244,915
1900	9,823	212,863	15,735	1,729	10,840	19,236	...	260,403
1901	9,991	226,556	18,707	1,731	13,723	20,078	...	280,796
1902	10,402	234,210	19,386	1,803	10,489	20,859	...	286,747
1903	10,719	242,964	20,873	2,015	18,052	21,042	...	304,946
1904	11,094	255,481	21,411	1,436	15,315	22,024	\$237	315,904
1905	11,543	259,597	20,137	4,345	15,167	21,949	482	321,677
1906	11,762	266,197	22,589	2,875	14,162	23,143	380	329,346
1907	11,909	273,107	24,317	3,760	15,236	23,999	433	340,852
1908	12,159	294,400	26,377	3,831	14,912	25,245	386	365,151
1909	12,423	298,839	21,819	4,071	14,798	26,072	550	366,149
1910	12,131	298,420	26,292	6,109	14,003	25,803	595	371,222
1911	11,871	300,393	24,968	4,751	14,907	26,031	529	371,579
*1912	11,710	306,709	30,319	5,995	15,676	†30,219	512	389,431

* Facts are given for School Year July 1, 1911, to June 30, 1912, inclusive.

† Salaries, \$27,708; Supplies, \$2,511.

TABLE 5.—ANNUAL COST PER CAPITA OF MAINTAINING SCHOOLS

FOR A SERIES OF YEARS.

[Based on the average membership.]

YEAR.	Instruction and Supervision.	School Supply Expenses.	Janitors, Water, Heat, and Light.	Total.	Assessors' Valuation of City.	Ratio of Cost of School Maintenance to Valuation.
1886	\$16 76	\$1 34	\$1 94	\$20 03	\$26,003,200	.00384
1887	16 68	1 45	2 37	20 50	27,469,300	.00388
1888	16 21	1 36	2 54	20 11	28,756,400	.00384
1889	16 20	1 66	2 24	20 10	30,004,600	.00399
1890	16 06	1 60	2 18	19 84	32,557,500	.00395
1891	17 54	2 14	2 71	22 39	36,843,400	.00395
1892	17 66	1 84	2 56	22 06	38,093,100	.00407
1893	17 84	1 40	2 70	21 94	41,773,600	.00379
1894	18 43	1 51	2 96	22 90	44,142,900	.00374
1895	18 92	1 98	2 86	23 76	46 506,300	.00390
1896	20 00	2 18	3 17	25 35	49,013,050	.00418
1897	20 98	1 73	3 29	26 00	50,173,775	.00444
1898	20 83	1 65	3 22	25 70	50,739,700	.00460
1899	20 80	1 70	3 28	25 78	51,202,350	.00478
1900	21 67	1 60	3 24	26 51	52,513,400	.00496
1901	22 67	1 87	3 56	28 10	53,924,200	.00521
1902	22 52	1 86	3 19	27 57	55,485,370	.00517
1903	22 67	1 95	3 84	28 46	56,981,360	.00535
1904	23 03	1 93	3 52	28 48	58,056,700	.00544
1905	22 50	1 74	3 63	27 87	59,146,600	.00544
1906	22 63	1 92	3 45	28 00	60,371,500	.00546
1907	22 93	2 04	3 65	28 62	61,527,750	.00554
1908	24 21	2 17	3 65	30 03	63,158,400	.00578
1909	24 06	1 76	3 66	29 48	63,659,210	.00575
1910	23 05	2 03	3 59	28 67	66,376,338	.00559
1911	23 50	1 95	3 62	29 07	67,284,066	.00552
*1912	23 61	2 12	3 99	29 72	69,632,540	.00556

* Facts given for school year July 1, 1911, to June 30, 1912, inclusive.

TABLE 6.—AMOUNT SPENT ANNUALLY FOR ALL SCHOOL PURPOSES

FOR A SERIES OF YEARS.

YEAR.	For New Schoolhouses.	For Repairs and Permanent Improvements.	For Maintaining Schools.	Amount Spent for all School Purposes.
1886	\$15,515	\$8,706	\$99,865	\$114,086
1887	14,839	13,636	106,563	135,038
1888	4,996	13,994	110,354	129,344
1889	20,167	14,225	119,703	154,095
1890	75,775	19,168	128,684	223,627
1891	84,902	14,847	145,588	245,337
1892	12,679	17,734	155,183	176,001
1893	22,809	12,440	158,333	193,582
1894	82,206	44,764	165,155	292,125
1895	87,680	15,651	180,951	284,282
1896	61,016	33,240	204,743	298,999
1897	46,621	20,507	223,273	290,400
1898	49,983	21,274	233,465	304,722
1899	72,516	15,637	244,915	333,068
1900	51,232	21,745	260,403	333,380
1901	49,203	11,000	280,796	340,999
1902	56,501	13,079	286,747	356,327
1903	59,822	12,261	304,946	377,029
1904	23,703	18,209	315,904	357,816
1905	51,987	8,306	321,677	381,970
1906	38,457	11,951	329,346	379,754
1907	31,804	18,008	340,852	390,664
1908	18,271	17,792	365,151	401,214
1909	828	21,195	366,149	388,172
1910		21,864	371,222	393,086
1911	7,149	18,911	371,579	397,639
*1912	35,527	14,163	389,431	439,121

* Facts are given for school year July 1, 1911, to June 30, 1912, inclusive.

TABLE 8. — ATTENDANCE OF THE PUBLIC SCHOOLS FOR THE SCHOOL YEAR 1911—12.

Rooms Occupied in June.	SCHOOLS.	Annual Enrollment.	Average Membership.	Average Attendance.	Per cent. of Attendance.	No. Attending in October.	No. Attending in June.	Average No. to Classroom in June.
39	High . . .	2,032	1,812	1,729	95.4	1,795	1,776	27.3*
12	Prescott . . .	586	506	480	94.9	525	495	41.2
11	Hanscom . . .	542	453	421	92.9	453	440	40.0
10	Bennett . . .	496	418	388	92.8	432	396	39.6
6	Baxter . . .	299	230	216	93.9	218	227	37.8
13	Knapp . . .	584	505	483	95.6	514	510	39.2
6	Perry . . .	279	237	226	95.4	225	234	39.0
12	Pope . . .	534	479	457	95.4	493	464	38.6
10	Bell . . .	472	433	412	95.2	431	400	40.0
4	Cummings . . .	168	153	143	93.5	144	164	41.0
11	Edgerly . . .	549	471	445	94.5	482	450	40.9
13	Glines . . .	594	534	508	95.1	517	529	40.7
16	Forster . . .	746	684	646	94.9	683	682	42.6
16	Bingham . . .	842	734	688	93.7	748	725	45.3
16	Carr . . .	732	655	617	94.2	667	621	38.8
11	Morse . . .	497	439	419	95.4	464	423	38.5
7	Proctor . . .	323	290	273	94.1	300	271	38.7
4	Durell . . .	184	156	148	94.9	162	159	39.7
8	Burns . . .	356	322	304	94.4	326	330	37.5
10	Brown . . .	499	428	401	93.7	436	398	39.8
12	Highland . . .	585	520	501	96.3	525	478	39.8
14	Hodgkins . . .	721	618	592	95.8	612	600	42.9
5	Lincoln . . .	247	194	181	93.3	197	198	39.6
8	Lowe . . .	359	331	307	93.0	309	314	39.3
1	Atypical . . .	15	15	13	86.7	14	14	....
3	Boys' Industrial	31	48	43	89.6	32	35	....
4	Girls' Industrial	6	44	40	90.9	..	31	....
281	Total	13,272	11,710	11,083	94.6	11,704	11,364	

* Per teacher.

TABLE 9.—STATISTICS OF HIGH SCHOOL FOR SCHOOL YEAR, SEPTEMBER 6, 1911, TO JUNE 27, 1912.

Number of teachers, including head masters	65
Number of days school kept	188
Number enrolled	2,023
Average number belonging	1,812
Average daily attendance	1,729
Per cent. of attendance	95.4
Tardiness	2,030
Dismissals	477
In Class I-B September, 1911	622
June	512
Per cent. of loss	17.7
In Class I-A February, 1912	195
June	181
Per cent. of loss	7.2
In Class II-A September, 1911	75
June	71
Per cent. of loss	5.3
In Class II-B September, 1911	423
June	383
Per cent. of loss	9.5
In Class III. September, 1911	383
June	357
Per cent. of loss	6.8
In Class IV. September, 1911	314
June	304
Per cent. of loss	3.2
Special students, September, 1911	19
June	12
Total, September, 1911	1,836
June	1,820
Per cent. of loss	0.8
Number of graduates, male	102
Number of graduates, female	194
Total	296
Average age, male graduates	18-7
Average age, female graduates	18-9
Number entering college	54
Number of graduates entering technical schools	19
Number of graduates entering normal schools	11
Cost of instruction	\$73,374 86
Cost of supplies	9,689 75
Total cost	83,064 61
Per capita cost of instruction	40 49
Per capita cost of supplies	5 35
Total cost per capita	45 84

**TABLE 11.—PUPILS IN HIGH AND GRAMMAR SCHOOLS,
1911—1912.**

	High School.	Grammar and Primary Schools.	Kindergartens.	Industrial School for Boys.	Industrial School for Girls.	Atypical School.	Total.
Annual enrollment	2,032	10,940	248	31	6	15	13,272
Average membership	1,812	9,598	193	48	44	15	11,710
Average attendance	1,729	9,085	173	43	40	13	11,083
Per cent. of attendance	95.4	94.7	89.6	89.6	90.9	86.7	94.6
Number cases of tardiness	2,000	3,716	...	434	112	45	6,307
Number cases of dismissal	477	2,400	...	142	..	1	3,020
Number cases of punishment . . . . .	....	230	...	...	..	...	230
Membership, October, 1911	1,795	9,647	216	32	..	14	11,704
Membership, June, 1912	1,776	9,321	187	35	31	14	11,364

**TABLE 12.—NUMBER OF PUPILS ADMITTED TO GRADE 1
IN SEPTEMBER AND FEBRUARY.**

School.	1907.	1908.	1909.	1910.	1911.	1911-12.	
						Sept.	Feb.
Prescott	61	33	35	27	38	38	1
Hanscom	39	75	42	50	84	69	14
Davis	39	35	41	..	..	..	..
Bennett	94	99	92	76	68	53	18
Baxter	59	46	62	29	28	28	10
Knapp	35	39	41	25	23	11	12
Perry	51	42	52	20	29	28	12
Pope	28	30	39	17	31	28	3
Bell	35	38	21	..	11	..	..
Cummings	40	34	45	26	41	41	11
Edgerly	39	33	35	..	32	32	12
Glines	63	60	60	29	49	47	23
Forster	77	73	63	20	55	45	19
Bingham	70	84	88	29	67	51	36
Carr	64	65	64	..	40	16	13
Morse	53	57	55	29	34	22	9
Proctor	48	55	47	20	39	32	10
Durell	43	38	37	12	46	35	9
Burns	48	45	55	14	37	28	17
Brown	57	73	63	27	51	42	16
Highland . . . . .	..	..	..	..	..	..	..
Hodgkins	43	54	52	17	31	31	1
Lincoln	52	57	50	25	58	41	22
Lowe	72	93	83	29	55	43	19
Total	1,210	1,258	1,222	521	947	761	287
Grand Total	....	....	....	....	....	1,048	

TABLE 13.—GRAMMAR SCHOOL GRADUATES, 1912.

SCHOOLS.	Number receiving Diplomas.	Number Certificated for High School.		Number Entering High School.	
		Conditionally.	Unconditionally.	Conditionally.	Unconditionally.
Prescott	40	7	33	3	22
Knapp	79	4	57	2	48
Pope	62	15	31	14	20
Bell	75	3	68	2	45
Edgerly	70	5	59	2	40
Glines	33	3	27	3	26
Forster	79	11	68	4	56
Bingham	47	5	40	2	27
Carr	43	5	33	4	21
Morse	56	5	50	4	43
Brown	45	3	42	3	38
Highland	90	2	88	2	63
Hodgkins	62	12	46	7	37
Total	781	80	642	52	486

TABLE 14.—COMPARATIVE STATISTICS OF THE TRUANCY DEPARTMENT.

	1910.	1911.	1912.	Change.
Number of cases investigated	1,600	1,953	1,589	—364
Number of cases found to be truancy or absenteeism	296	402	426	+24
Number of different pupils who were truants or habitual absentees	219	318	310	—8
Number who were truants for the first time	142	252	235	—17
Number who were truants for the second time	35	96	102	+6
Number who were truants for three or more times	118	54	89	+35
Number of girls who were truants or absentees	19	69	44	—25
Number of truants from the high school	5	20	17	—3
Number of truants or absentees from the public schools	115	329	309	—20
Number of truants or absentees from the parochial schools	104	73	117	+44
Number of complaints to the court for truancy	11	12	10	—2
Number placed on probation by the court	9	4	2	—2
Number committed to the County Training school	3	8	9	+1
Number of complaints made to the court for illegally keeping children out of school	1	4	2	—2
Number of convictions secured for illegally keeping children out of school	1	4	1	—3
Number of visits to the schools	617	771	975	+204
Number of visits to the homes	1,561	1,810	1,437	—373
Number of cases of parental neglect of children found and reported to charitable institutions	15	13	10	—3
Number of cases of removal of children from the custody of parents by order of the court	5	3	3	0
Number of visits to mercantile or manufacturing establishments	26	49	41	—8
Number of minors found to be working without age and schooling certificates	28	51	57	+6
Number of age and schooling certificates issued to boys	277	264	339	+75

TABLE 14 (Continued).—COMPARATIVE STATISTICS OF THE TRUANCY DEPARTMENT.

	1910.	1911.	1912.	Change.
Number of age and schooling certificates issued to girls.	204	255	249	—6
Number of certificates of literacy issued to minors over 16 years of age	124	374	642	+268
Number of newspaper licenses issued to boys 11 to 14 years of age . . . . .	....	117	90	—27
Number of transfer cards investigated	975	1,315	1,169	—146
Number of truants in the County Training school at the close of the year	13	15	20	+5
Amount paid for board of truants	\$618.28	548.72	817.96	+269.24
Salaries of the Truant Officers	1,250.00	1,300.00	1,350	+50.00
Benjamin R. Jones	50.00	50.00	....	....
Jairus Mann				

TABLE 14-A.—TRUANCIES AND ABSENTEEISM BY AGES AND GRADES.

GRADE.	BY AGES.											Totals.
	6	7	8	9	10	11	12	13	14	15	16 or Over	
I.	5	8	1	1	1	..	..	..	..	..	..	16
II.	11	6	8	4	1	3	1	1	..	..	35
III.	5	5	13	7	2	..	1	..	..	..	33
IV.	4	15	34	17	15	6	3	..	..	94
V.	2	10	23	22	4	4	..	..	65
VI.	1	7	28	24	7	..	..	67
VII.	3	5	20	11	1	..	40
VIII.	1	10	8	8	2	29
IX.	1	4	4	1	10
X.	1	..	2	2	5
XI.	2	1	7	10
XII.	2	2
Industrial	8	2	1	11
Ungraded	1	1	2	2	1	1	1	9
Total	5	24	16	39	58	54	76	70	49	19	16	426

TABLE 14-B.—TRUANTS AND ABSENTEES BY SCHOOLS.

School.	No. of Truants.
High	17
Prescott	16
Hanscom	6
Bennett	33
Baxter	10
Knapp	23
Perry	19
Pope	26
Bell	13
Cummings	3
Edgerly	11
Glines	8
Forster	4
Bingham	14
Carr	31
Morse	6
Proctor	9
Durell	5
Burns	3
Brown	1
Highland	6
Hodgkins	16
Lowe	11
Cutler	3
Industrial School for Boys	11
Highland Evening.....	1
Parochial	117
Not attending school; found on street.....	3
Total	<hr/> 426

TABLE 15.—ATTENDANCE IN ELEMENTARY EVENING SCHOOLS, FROM OCTOBER, 1911, TO MARCH, 1912.

		Bell.	Highland.	Total.
Enrolled	Male	516	96	612
	Female	88	45	133
	Total	604	141	745
Ave. membership	Male	199	54	253
	Female	51	29	80
	Total	250	83	333
Ave. attendance	Male	152	43	195
	Female	39	23	62
	Total	191	66	257
Per cent. Att. out of No. belonging		76.4	79.5	77.2
Per cent. Att. out of No. enrolled		31.6	46.8	34.5
Ave. No. of teachers	Male	2	1	3
	Female	15	4	19
	Total	17	5	22
No. of sessions		77	77	154
Teachers, cost of		\$2,586.50	\$661.00	\$3,247.50
Janitors, supplies and light, cost of		414.72	158.26	572.98
Total		\$3,001.22	\$819.26	\$3,820.48
Cost per pupil per evening		\$0.156	\$0.128	\$0.150
Cost per evening		38.98	10.64	24.81
Cost per pupil in ave. membership		12.00	9.87	11.47
Cost per pupil in ave. attendance		15.71	12.41	14.87

TABLE 15 (Concluded).—Evening High School, Season of 1911-1912.

	Male.	Female.	Total.
Enrolled	457	613	1,070
Average membership.....	278	380	658
Average attendance.....	209	179	388
Number of teachers.....	13	12	25
Number of sessions.....			57
Cost of instruction.....		\$4,249.50	
Cost of supplies and light.....		808.61	
Total cost.....			\$5,058.11
Cost per pupil per evening.....			0.135
Average attendance: October, 526; November, 459; December, 390; January, 350; February, 299; March, 300.			

Statistics of Evening Schools for a Series of Years.

		No. Sessions.	Enrollment.	Average Attendance.	Cost.	Cost Per Pupil Per Evening.
High*	1900-1901 . .	48	192	79	\$1,433	\$0 378
	1901-1902 . .	46	211	99	1,424	0 316
	1902-1903 . .	47	178	78	1,331	0 379
	1903-1904 . .	48	191	74	1,378	0 388
	1904-1905 . .	74	762	224	6,699	0 404
	1905-1906 . .	93	605	154	5,548	0 387
	1906-1907 . .	77	631	177	4,802	0 352
	1907-1908 . .	56	614	295	4,009	0 243
	1908-1909 . .	58	710	314	4,205	0 231
	1909-1910 . .	57	766	337	4,615	0 240
	1910-1911 . .	59	842	361	5,083	0 238
1911-1912 . .	57	1,070	388	5,058	0 228	
Elementary	1900-1901 . .	74†	612	220	\$3,809	\$0 232
	1901-1902 . .	75	700	260	5,452	0 279
	1902-1903 . .	86	741	264	5,857	0 257
	1903-1904 . .	92	859	333	7,286	0 237
	1904-1905 . .	75	747	329	6,088	0 247
	1905-1906 . .	84	698	324	6,303	0 233
	1906-1907 . .	76	917	328	5,313	0 213
	1907-1908 . .	75	918	363	5,248	0 193
	1908-1909 . .	78	763	290	4,637	0 205
	1909-1910 . .	76	707	267	4,399	0 217
	1910-1911 . .	79	727	215	3,645	0 214
1911-1912 . .	77	745	257	3,520	0 193	

*Drawing school only until 1904-1905.

†Average of four schools.

TABLE 16.—GRAMMAR SCHOOL GRADUATES
FOR A SERIES OF YEARS.

YEAR.	Prescott.	Bell.	Forster.	Morse.	Highland.	Egderly.	Pope.	Knapp.	Hodgkins.	Glines.	Carr.	Bingham.	Brown.	Total.	Average Membership of Grammar and Primary Schools.	Per cent. of Average Membership Graduating.	Entered High School.	Per cent. Entering of those Graduating.
1890	54	106	45	56	57									318	6,062	5.24	184	57.86
1891	44	73	41	55	44	39								296	6,035	4.90	199	67.23
1892	41	36	75	49	45	49	36							370	6,525	5.67	228	61.62
1893	40	60	48	63	67	46	36	39						398	6,674	5.97	240	60.30
1894	39	29	79	66	68	41	35	38						389	6,600	5.89	253	65.04
1895	36	32	58	63	73	42	35	34						374	6,955	5.37	255	68.18
1896	38	34	72	38	70	46	37	35						370	7,201	5.13	281	76.00
1897	34	39	50	48	41	29	30	25	45	27				368	7,602	4.84	273	74.19
1898	36	43	31	46	36	50	36	28	41	35				382	8,029	4.75	281	73.56
1899	37	50	62	48	49	40	34	34	39	37	38			468	8,351	5.60	345	73.72
1900	36	45	43	31	43	47	44	34	42	36	33			434	8,689	4.99	317	73.00
1901	34	38	70	43	72	47	43	38	41	35	36			497	8,811	5.64	372	74.80
1902	41	48	61	45	67	46	35	31	32	40	51			497	9,328	5.33	350	70.40
1903	34	45	62	35	65	51	28	34	52	31	47			484	9,362	5.17	354	73.14
1904	31	35	84	46	79	44	36	38	40	36	43			512	9,739	5.26	367	71.68
1905	40	40	74	44	85	47	42	48	61	36	58	31		606	10,298	5.88	463	76.40
1906	35	54	67	44	109	49	44	64	58	40	43	33		640	10,209	6.22	474	74.10
1907	37	62	67	44	126	81	36	56	59	62	60	35		725	10,440	6.94	561	77.40
1908	44	51	71	71	88	50	64	66	61	42	58	36	40	742	10,410	7.13	551	74.26
1909	27	59	73	44	95	82	48	70	55	43	66	36	43	741	10,582	7.00	546	73.68
1910	30	53	72	48	96	68	56	80	62	32	57	39	50	743	10,451	7.10	521	70.12
1911	35	69	82	63	93	48	43	82	73	75	59	37	46	805	10,101	7.97	609	75.65
1912	40	75	79	56	90	70	62	79	62	33	43	47	45	781	9,806	7.96	538	68.88
	863	1,176	1,466	1,146	1,658	1,112	861	985	823	640	692	394	224	11,940	198,260	6.02	8,562	71.71

TABLE 17. — ATTENDANCE STATISTICS

FOR A SERIES OF YEARS.

DECEMBER.	ENROLLMENT.	Average Membership.	Average Attendance.	Per cent. of Attendance.	Number of Tardinesses.	Ratio of Tardiness to Average Attendance.
1886	6,350	4,985	4,678	93.8	2,834	0.606
1887	6,605	5,198	4,879	93.8	2,699	0.553
1888	7,262	5,488	5,174	94.0	2,938	0.549
1889	7,757	5,956	5,585	93.8	2,780	0.498
1890	7,878	6,485	6,075	93.6	3,133	0.516
1891	8,510	6,502	6,091	93.7	3,182	0.522
1892	9,120	7,035	6,608	93.9	3,181	0.481
1893	9,632	7,217	6,790	94.1	3,375	0.497
1894	9,387	7,212	6,840	94.8	3,000	0.419
1895	9,913	7,617	7,255	95.2	2,736	0.377
1896	10,582	8,077	7,663	94.9	2,743	0.358
1897	11,293	8,589	8,144	94.8	2,486	0.305
1898	11,577	9,085	8,636	95.1	2,941	0.341
1899	11,975	9,502	8,965	94.3	2,566	0.286
1900	12,345	9,823	9,174	93.4	2,759	0.300
1901	12,499	9,991	9,350	93.6	2,937	0.294
1902	13,116	10,402	9,733	93.5	3,335	0.343
1903	13,475	10,719	10,056	93.9	3,428	0.342
1904	13,804	11,094	10,422	93.9	3,887	0.373
1905	14,296	11,543	10,897	94.4	3,746	0.344
1906	14,551	11,762	11,069	94.1	4,046	0.366
1907	14,802	11,909	11,166	93.8	4,170	0.373
1908	15,105	12,159	11,458	94.2	3,882	0.344
1909	15,363	12,423	11,666	93.9	4,422	0.379
1910	14,481	12,131	11,435	94.3	4,320	0.378
1911	14,301	11,871	11,186	94.2	6,017	0.538
*1912	13,272	11,710	11,083	94.6	6,307	0.569

* June.

TABLE 18.—MEMBERSHIP, ETC., OF HIGH SCHOOL
FOR A SERIES OF YEARS.

YEAR.	Average Membership all Schools.	Largest Number in High School.	Per cent. of Average Membership of all Schools.	Number of Graduates of High School.	Per cent. of Average Membership of all Schools.
1867	2,157	119	5.51	7	0.32
1868	2,285	141	6.17	17	0.75
1869	2,480	158	6.37	25	1.01
1870	2,639	165	6.25	16	0.65
1871	2,549	161	6.31	33	1.29
1872	2,799	186	6.64	21	0.75
1873	3,217	190	5.91	28	0.87
1874	3,265	198	6.06	26	0.79
1875	3,515	213	6.06	31	0.88
1876	3,712	226	6.09	33	0.81
1877	3,788	227	5.91	37	0.98
1878	3,992	250	6.26	31	0.78
1879	4,169	246	5.90	34	0.82
1880	4,278	254	5.93	27	0.63
1881	4,064	256	6.29	34	0.84
1882	4,263	280	6.57	33	0.77
1883	4,438	278	6.26	43	0.97
1884	4,804	315	6.55	46	0.96
1885	4,904	385	7.85	46	0.94
1886	4,985	374	6.70	56	1.12
1887	5,198	387	7.44	53	1.02
1888	5,488	435	7.92	60	1.09
1889	5,956	444	7.45	67	1.12
1890	6,485	487	7.51	60	0.93
1891	6,502	535	8.23	68	1.05
1892	7,035	577	8.20	80	1.14
1893	7,217	626	8.67	82	1.14
1894	7,274	691	9.50	111	1.52
1895	7,617	775	10.17	92	1.21
1896	8,077	858	10.62	119	1.47
1897	8,589	885	10.31	121	1.59
1898	9,085	890	9.80	130	1.43
1899	9,502	985	10.70	137	1.49
1900	9,823	1,031	10.49	131	1.33
1901	9,991	1,098	10.99	152	1.52
1902	10,402	1,138	10.94	164	1.58
1903	10,719	1,208	11.27	181	1.70
1904	11,094	1,286	11.60	179	1.61
1905	11,543	1,372	11.89	211	1.83
1906	11,762	1,473	12.52	208	1.77
1907	11,909	1,614	13.55	223	1.87
1908	12,159	1,707	14.04	235	1.93
1909	12,423	1,828	14.71	265	2.13
1910	12,131	1,796	14.80	266	2.20
1911	11,871	1,836	15.47	277	2.33
*1912	11,710	2,023	17.28	296	2.53

*For school year ending June 30, 1912.

TABLE 19.—PROMOTIONS FOR SCHOOL SEMESTER ENDING JANUARY 31, 1912.

GRADE.	On Promotion List.	Unconditionally Promoted One-half Grade.	Promoted on Trial.	Retarded One-half Grade.	Promoted More than One-half Grade.	Special Promotions during the Semester.	Promotees Dropped Back after Two Months' Trial.
I	1,072	821	38	155	58	3	..
II	919	763	22	98	36	4	2
III	1,315	1,031	75	171	38	10	8
IV	1,302	1,050	83	147	22	6	5
V	1,154	797	118	186	53	2	1
VI	1,212	834	123	213	42	2	3
VII	1,061	735	168	130	28	..	1
VIII	909	655	130	90	34	11	4
IX	773	634	53	35	51	8	3
Total	9,717	7,320	810	1,225	362	46	27

Percentage of Promotions for Semester Ending January 31, 1912.

GRADE.	On Promotion List.	Unconditionally Promoted One-half Grade.	Promoted on Trial.	Retarded One-half Grade.	Promoted More than One-half Grade.	Special Promotions during the Semester.	Promotees Dropped Back after Two Months' Trial.
I	100	76.6	3.5	14.5	5.4	0.2	..
II	100	83.0	2.4	10.7	3.9	0.4	0.2
III	100	78.4	5.7	13.0	2.9	0.7	0.6
IV	100	80.6	6.4	11.3	1.7	0.4	0.3
V	100	69.1	10.2	16.1	4.6	0.1	..
VI	100	68.8	10.1	17.6	3.5	0.1	0.2
VII	100	69.3	15.8	12.3	2.6	..	..
VIII	100	72.1	14.3	9.9	3.7	1.2	0.4
IX	100	82.0	6.9	4.5	6.6	1.0	0.3
Average.	100	75.3	8.3	12.6	3.8	0.4	0.2

TABLE 19.—PROMOTIONS FOR SCHOOL SEMESTER ENDING JUNE 27, 1912.

GRADE.	On Promotion List.	Unconditionally Promoted One-half Grade.	Promoted on Trial.	Retarded One-half Grade.	Promoted more than One-half Grade.	Special Promotions during the Semester.	Promotees Dropped Back after Two Months' Trial.
I	1,067	848	46	131	42	5	..
II	960	774	48	84	54	2	1
III	1,202	967	109	94	32	6	1
IV	1,227	957	120	78	72	9	4
V	1,188	947	150	73	18	9	1
VI	1,175	859	172	97	47	22	3
VII	1,077	802	166	96	13	7	..
VIII	785	581	141	48	15	6	..
IX	769	612	121	28	8	19	..
Total	9,450	7,347	1,073	729	301	85	10

Percentage of Promotions for Semester Ending June 27, 1912.

GRADE.	On Promotion List.	Unconditionally Promoted One-half Grade.	Promoted on Trial.	Retarded One-half Grade.	Promoted more than One-half Grade.	Special Promotions during the Semester.	Promotees Dropped Back after Two Months' Trial.
I	100	79.5	4.3	12.3	3.9	0.4	..
II	100	80.6	5.0	8.8	5.6	0.2	..
III	100	80.4	9.1	7.8	2.7	0.5	..
IV	100	78.0	9.8	6.4	5.8	0.7	0.3
V	100	79.7	12.6	6.2	1.5	0.7	..
VI	100	73.1	14.6	8.3	4.0	1.8	0.2
VII	100	74.5	15.4	8.9	1.2	0.6	..
VIII	100	74.0	18.0	6.1	1.9	0.7	..
IX	100	79.6	15.7	3.6	1.1	2.4	..
Average	100	77.7	11.4	7.7	3.2	0.9	0.1

TABLE 19-A.—DISTRIBUTION OF PUPILS BY AGES, OCTOBER 1, 1912.

GRADE.	AGE.												Total.	Above Normal Age.	Percent. Above Normal Age.					
	4	5	6	7	8	9	10	11	12	13	14	15				16	17	18	19	20
Kgn....	5	196	7	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	210	.....	.....
1.....	37	1,039	215	37	5	2	3	1	.....	2	.....	.....	.....	.....	.....	.....	1,341	50	3.7
2.....	2	100	669	35	35	9	8	2	5	3	.....	.....	.....	.....	.....	.....	991	62	6.3
3.....	1	5	212	463	199	76	23	8	4	3	1	1	.....	.....	.....	.....	996	116	11.6
4.....	23	451	408	214	94	52	22	6	1	.....	.....	.....	.....	.....	1,271	175	13.8
5.....	4	74	440	355	218	113	31	9	3	1	.....	.....	.....	.....	1,248	157	12.6
6.....	1	55	379	371	190	127	25	5	.....	.....	.....	.....	.....	1,153	157	13.6
7.....	61	340	343	226	100	27	3	.....	.....	.....	.....	1,106	130	11.8
8.....	1	51	320	294	163	56	9	1	.....	.....	.....	895	66	6.4
9.....	6	64	261	242	106	35	4	.....	.....	.....	718	39	5.4
10.....	15	83	252	211	90	17	3	1	.....	672	21	3.1
11.....	6	58	202	156	59	13	1	.....	495	14	2.8
12.....	7	51	146	100	42	8	3	357	11	3.1
13.....	9	52	133	91	29	10	324	10	3.1
P. G....	1	4	4	6	4	19	.....	.....
Total.	5	236	1,151	1,125	1,184	1,148	1,097	1,114	1,108	1,059	870	672	494	318	153	45	17	11,796	1,008	8.5
Under Normal Grade.....	37	40	87	128	176	189	148	93	49	22	16	10	13	1,008	.....	.....
Per cent. under Normal Grade.....	3.1	3.5	7.9	11.5	15.9	17.8	17.0	13.7	9.9	6.9	10.5	22.2	76.5	.....	.....	.....

TABLE 19-B.—DISTRIBUTION OF PUPILS, 14 BUT NOT 15, OCTOBER 1, 1912.

	NUMBER OF GRADES													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	
High.....	252	58	7	..	317
Prescott.....	1	4	14	17	..	..	..	..	36
Hanscom.....	..	1	1	..	..	..	..	..	..	..	..	..	..	2
Bennett.....	..	1	..	2	..	1	..	..	..	..	..	..	..	4
Baxter.....	1	..	1	1	..	..	..	..	..	..	..	..	..	3
Knapp.....	1	..	..	2	10	11	21	..	..	..	..	45
Perry.....	1	..	..	..	..	..	..	..	1
Pope.....	1	8	11	13	..	..	..	..	33
Bell.....	1	1	10	19	15	..	..	..	..	46
Cummings.....
Edgerly.....	1	..	..	7	11	21	..	..	..	..	40
Glines.....	7	8	10	..	..	..	..	25
Forster.....	2	2	17	16	..	..	..	..	37
Bingham.....	1	5	5	12	26	..	..	..	..	49
Carr.....	1	..	..	1	3	2	8	14	18	..	..	..	..	47
Morse.....	2	3	10	13	..	..	..	..	28
Proctor.....	4	..	..	..	..	..	..	4
Durell.....
Burns.....	..	1	..	..	..	1	7	..	..	..	..	..	..	9
Brown.....	3	2	13	..	..	..	..	18
Highland.....	2	4	16	32	..	..	..	..	54
Hodgkins.....	1	4	4	18	18	27	..	..	..	..	72
Lincoln.....
Lowe.....
Total by grades.....	2	3	3	6	9	25	100	163	242	252	58	7	0	870
P.C. by ".....	.002	.003	.003	.007	.01	.028	.115	.19	.278	.29	.066	.008	0	1.000

TABLE 20.—RESIGNATIONS OF TEACHERS, 1912.

SCHOOL.	Teacher.	Resignation Took Effect.	In Service.
High	Flora E. Anderson	Dec. 20, 1912	5 yrs. 3 mos.
"	Evelyn Banks	" 6, "	1 month
"	Grace E. Burroughs	Sept. 1, "	6 years
"	Mildred W. Clark	" " "	1 year
"	Mary J. Wolcott	Oct. " "	15 yrs. 1 mo.
Prescott	May C. Eaton	June 30, "	1 year
"	Georgiana Smith	" " "	6 years
Hanscom	Mary V. Williams	" " "	4 yrs. 5 mos.
Bennett	Bertha T. Moore	April 13, "	7 months
Baxter	Agatha G. F. Commins	Oct. 4, "	11 yrs. 1 mo.
Bell	Daisy W. Cushman	Dec. 13, "	5 yrs. 3 mos.
"	Grace E. Weeks	June 30, "	13 yrs. 4 mos.
Forster	Fred C. Baldwin	Sept. 1, "	19 years
"	Ernest R. Hager	Oct. 30, "	2 yrs. 2 mos.
"	Philena A. Parker	Jan. 29, "	4 years
Morse	Alice E. Jones	Sept. 1, "	15 years
"	Emma M. McKinley	Feb. 23, "	4 yrs. 6 mos.
Durell	Bessie I. Sutton	Sept. 1, "	4 yrs. 7 mos.
Brown	Grace J. Alexander	" " "	12 years
"	Anna B. Lattin	June 30, "	2 yrs. 5 mos.
"	Edith G. Watts	Sept. 1, "	8 yrs. 5 mos.
Hodgkins	Luanna B. DeCatur	Oct. " "	3 yrs. 2 mos.
"	Ethel M. Paige	June 30, "	3 years
Glines M. T. . .	Andrew Bjurman	" " "	5 years
Carr M. T. . .	Willis E. Higgins	" " "	5 years
Died			
Glines	Mary A. Lawry	Jan. 24, 1912	6 yrs. 5 mos.
Bingham	Naomi E. Stevens	Apr. 26, "	9 yrs. 8 mos.

TABLE 21.—TEACHERS ELECTED IN 1912.

SCHOOL.	Teacher.	Coming From.	Began Service.	Salary.
High . . .	Evelyn Banks	Office work, Boston	Nov. 1912	\$600
High . . .	Ella W. Bowker	Rockland	Feb. 1912	750
High . . .	Mildred B. Hayes	Duxbury	Sept. 1912	600
High . . .	John L. Hayward	Everett	Dec. 1912	1,800
High . . .	Edith R. Macurdy	Ipswich	Feb. 1912	700
High . . .	Marion F. Orne	Groveland	Sept. 1912	700
High . . .	Edward N. White	Connecticut	Sept. 1912	700
Prescott . . .	Angie M. MacRitchie	Concord	Nov. 1912	700
Hanscom . . .	Carrie M. Frost	New Bedford	Sept. 1912	700
Baxter . . .	Susie A. Fitzpatrick	Somerville	Oct. 1912	600
Perry . . .	Mary A. Mullin	Somerville	Sept. 1909	650
Pope . . .	Edith L. French	Whitman	Oct. 1912	650
Pope . . .	Emma J. Kennedy	Wayland	Sept. 1912	700
Bell . . .	Laura A. Miille	Everett	Sept. 1912	700
Bell . . .	M. Eunice Young	Winchester	May 1912	700
Glines . . .	L. Alice Grady	Marlboro	Sept. 1912	700
Forster . . .	Joseph A. Ewart	Salem	Dec. 1912	1,900
Forster . . .	Ernest R. Hager	Providence	Sept. 1910	1,650
Forster . . .	Nellie L. Quennell	Medford	April 1912	700
Forster . . .	Edna F. Scott	Malden	Sept. 1912	700
Bingham . . .	Catherine Heagney	Walpole	Sept. 1912	700
Bingham . . .	Lynda V. Merrill	Somerville	Sept. 1907	600
Car . . .	Lillian M. Wentworth	Somerville	Jan. 1900	750
Morse . . .	Elva A. Cutler	Somerville	May 1910	700
Morse . . .	Helen O. Locke	Malden	Sept. 1912	700
Durell . . .	Grace E. Packard	Milton	Sept. 1912	700
Burns . . .	Mary C. Buck	Somerville	Sept. 1908	375
Brown . . .	Isabel M. Brunton	Somerville	Sept. 1909	600
Highland . . .	Elizabeth S. Smith	Morristown, N. J.	Sept. 1912	750
Highland . . .	Marion A. Viets	Newton	Sept. 1912	650
Hodgkins . . .	Nellie F. Wright	New Bedford	Sept. 1912	700
Cutler . . .	Katherine A. Breen	Revere	Nov. 1912	700
Cutler . . .	Cora E. Crawford		Feb. 1912	650
Cutler . . .	Anna L. Brown	Minneapolis	Sept. 1912	700
Cutler . . .	Edna F. Gordon	Medford	Dec. 1912	700
Cutler . . .	Elizabeth R. Hender	son, Medford	Oct. 1912	700
Cutler . . .	Elinor Neilon	Somerville	Sept. 1910	600
Girls' Industrial . . .	Helen C. French	Somerville	Jan. 1912	400
Girls' Industrial . . .	Julia A. Haley	Somerville	Oct. 1911	700

TABLE 21 (Concluded).—TEACHERS ELECTED IN 1912.

SCHOOL.	Teacher.	Coming From	Began Service.	Salary.
Girls' Industrial . . .	Theresa Morrison	Somerville	Mar. 1912	\$400
Boys' Industrial . . .	Charles R. Johnson	Cambridge	Sept. 1912	600
Bell M. T. . . .	Kathinka Fessman	Marlboro	Sept. 1912	800
Glines M. T. . . .	E. Christabel Ruggles	Taunton	Sept. 1912	800
Cutler M. T. . . .	Eva G. Hardy	Haverhill	Sept. 1912	800
Hanscom	Agness M. Travis	Somerville	Sept. 1908	750
Morse	Helen L. Tuck	Springfield	Sept. 1912	700
High	Nina G. Moore	Fayetteville, N.Y.	Dec. 1912	850
High	Ilene C. Ritchie	Somerville	Sept. 1912	600
Bell	Lavinia C. Cairns	Reading	Jan. 1913	700
Hodgkins. . . .	Inez Prentiss	No. Attleboro	Jan. 1913	650
Hodgkins. . . .	May V. Powell	Malden	Feb. 1913	700

TABLE 22.—LEAVE OF ABSENCE OF TEACHERS.

January 1, 1912, to June 30, 1913, Josephine L. DuGar.
 January 1, 1912, to June 30, 1913, Grace S. Russell.
 March 4, 1912, to May 6, 1912, Edith M. Snell.
 April 29, 1912, to June 30, 1913, Emma F. Schuch.
 September 1, 1912, to June 30, 1913, Beatrice A. Randall.
 September 1, 1912, to June 30, 1913, Cara M. Johnson.
 September 1, 1912, to June 30, 1913, Nellie R. Bray.
 September 1, 1912, to June 30, 1913, Elizabeth L. Hersey.
 September 30, 1912, to June 30, 1913, Lena F. Shaw.

TABLE 23.—TRANSFER OF TEACHERS.

TEACHERS.	From	To
Harlan P. Knight	Bell	Cutler
Eliza H. Lunt	Lincoln	Cutler
Olevia M. Woods	Lincoln	Cutler
Almena J. Mansir	Lincoln	Cutler
Annie H. Hall	Lincoln	Cutler
Annie M. Sanburn	Proctor and Lowe	Brown

TABLE 24.—NUMBER OF TEACHERS

FOR A SERIES OF YEARS.

YEAR.	High School.	Grammar School.	Primary School.	Special Teachers.	Assistants not in Charge of Room.	Men.	Women.	Total.
1886	9	62	48	1	0	9	111	120
1887	10	64	48	1	0	9	114	123
1888	10	66	52	4	7	9	130	139
1889	10	60	56	4	7	10	127	137
1890	10	78	58	5	7	12	146	158
1891	12	86	63	5	13	12	167	179
1892	13	90	67	5	10	12	173	185
1893	14	88	63	5	19	12	177	189
1894	15	91	66	6	11	12	177	189
1895	28	91	73	5	12	19	186	209
1896	30	102	74	6	14	22	208	230
1897	31	109	85*	6	18	22	227	249
1898	32	112	87*	7	13	23	229	252
1899	36	119	92*	7	9	23	240	263
1900	40	127	96*	7	6	24	249	273
1901	44†	130	94*	7	8	26	257	283
1902	45†	140	91*	7	9	26	266	292
1903	46†	143	96*	7	14	25	281	306
1904	48†	152	98*	7	9	27	285	312
1905	48†	153	100*	7	7	27	288	315
1906	54‡	157	99*	7	9	29	297	326
1907	57‡	160	97*	9	14	32	305	337
1908	58‡	164	97*	10	16	34	311	345
1909	59‡	166	99*	10	16	36	314	350
1910	63‡	165	87*	13	11	41	298	339
1911	62‡	164	86*	20	11	40	303	343
1912	66‡	168	84*	22	9	40	309	349

* Including four kindergartners.

† Including two secretaries.

‡ Including one secretary.

TABLE 25.—BOOKS AUTHORIZED FOR USE, 1912.**For Grammar and Primary Schools.***As reference books.*

- First Journeys in Numberland, Harris-Waldo,
Scott, Foresman & Co.
- The Beginners' Primer, Bryce.....Houghton Mifflin Company
- Progressive Mental Arithmetic (Books 1 and 2), Gifford,
Thompson, Brown & Co.
- Art Literature Readers (Primer, Books 1 to 5), Grover,
Atkinson, Mentzer, and Grover
- Mace's School History of the United States..Rand, McNally & Co.
- Gordy's History of the United States.....Charles Scribner's Sons
- American Leaders and Heroes, Gordy.....Charles Scribner's Sons
- American Explorers, Gordy.....Charles Scribner's Sons
- Introductory American History, Bourne and Benton,
D. C. Heath & Co.
- In the Child's World, Emilie Poulsson....Milton Bradley Company
- A Dramatic Reader, Books 1, 3, 4, Stevenson,
Houghton Mifflin Company
- Little Plays for Little People, Noyes and Ray.....Ginn & Co.
- Geography Readers, I. O. Winslow.....D. C. Heath & Co.
- Europe.
Distant Countries.
The Earth and Its People.
Our American Neighbors.
The United States.
- Folk Lore Readers, Primer and Book 1, Grover,
Atkinson, Mentzer, and Grover.
- Riverside Readers, Primer, Books 1-4, Van Sickle and Seegmiller,
Houghton Mifflin Company

As text-books.

- New Educational Music Course, First Reader.....Ginn & Co.
- Commercial and Industrial History, Keller and Bishop..Ginn & Co.
- Adams' Elementary Commercial Geography.....D. Appleton & Co.
- Progressive Road to Reading, Plan of Work, Books 1-4, Burchill,
Ettinger, and Shimer.....Silver, Burdett & Co.

For High Schools.*As reference books.*

- Physics for Secondary Schools, Adams...American Book Company
- Elements of Physics, Crew and Jones.....Allyn and Bacon
- Physics, Linebarger.....D. C. Heath & Co.
- Physics (first course), Milliken and Gale.....Ginn & Co.
- Physics, Mann and Twiss.....Scott and Foresman
- Laboratory Physics, Miller.....Ginn & Co.
- Laboratory Manual (Physics), Adams....American Book Company
- How the World Is Clothed, F. G. Carpenter,
American Book Company
- How the World Is Fed, F. G. Carpenter,
American Book Company

TABLE 26.—GRADUATION EXERCISES, 1912.**High School.**

The graduation exercises of the high school occurred on Tuesday, June 25, at the First Methodist Episcopal Church, in the presence of a large audience of parents and friends.

The formal address to graduates was given by Andrew Marshall.

At the close of the address, the chairman of the High School Committee, J. Walter Sanborn, presented diplomas to the 296 members of the graduating class.

Order of Exercises.

J. Walter Sanborn, Chairman of High School Committee, presiding.

Organ Prelude.

Grand Choeur in G. Faulkes
Clarence Dunbar Hart.

1. Overture. Gruenwald
"Rhinefels."
High School Orchestra, Raymond Chaffee, Leader.

2. Prayer. Rev. George B. Dean.

3. Singing. Hofmann
Excerpts from Cantata, "Melusina."
Characters represented:—
Melusina, soprano, Grace Evelyn Rood.
Count Raymond, baritone.
King of the Water Spirits, bass,
James William M. Parks, Jr.

4. Address to Graduates.
Andrew Marshall, Esq., Assistant Attorney General, State of
Massachusetts.

5. Singing.
Excerpts from "Melusina."

6. Presentation of Diplomas to Girls.

7. Singing. Verdi
Selections from "Aida."
Tenor solo, Arthur Hall.

8. Presentation of Diplomas to Boys.

9. Singing.
Part song, "Hoist the Sail," Edward Broome.
(With quartette of male voices, Boys' Glee Club.)

10. Postlude. Gruenwald
Grand march, "Commemoration."
High School Orchestra.

Diplomas will be presented to graduates by J. Walter Sanborn, Chairman of the High School Committee.

Pianist, Miss Mary Ingraham; organist, Joshua Phippen; conductor, S. Henry Hadley.

All music arranged by Mr. Hadley, Teacher of Music in the High and Grammar Schools.

Piano used is from Chickering and Sons.

High School Graduates.

Alberta Lois Abbott.
 Flora Louise Arrington.
 Dorothy Mabel Bailey.
 Mabelle Olive Baker.
 Grace Beulah Barry.
 Eleanor Hazel Batchelder.
 Florence Rosamond Bateman.
 Margaret Beattie.
 Ellen Hammond Bennett.
 Florence Esther Bent.
 Marion Lawrence Blake.
 Anna Mary Blouin.
 Ruth Elizabeth Bohlin.
 Emily Rena Bond.
 Louise Isabel Bowen.
 Ramah Susan Bowers.
 Blanche Walker Brookes.
 Elizabeth Burns.
 Helen Marie Bush.
 Amber Mabel Butters.
 Agnes Nellis Cameron.
 Edith Madge Campbell.
 Anna Rose Canfield.
 Jennie Carlin.
 Freda Fern Chamberlain.
 Fannie Beatrice Chandler.
 Dorothy Agnes Chapin.
 Dorothy Eleanor Chequer.
 Hazel Mae Agnes Clark.
 Helen Gertrude Clarke.
 Louise Marie Clevenger.
 Minnie Margaret Coffin.
 Evelyn Marguerite Coker.
 Lillian Frances Commins.
 Ernestine Theresa Conway.
 Helen May Cook.
 Margaret May Copland.
 Annie Marie Coughlin.
 Dorothy Cragin.
 Margaret Cragin.
 Elva Maud Cribby.
 Agnes Veronica Cronin.
 Esther Louise Danforth.
 Bertha Mildred Dean.
 Edna Josephine Dearborn.
 Louise Frances Dewire.
 Margaret Elizabeth Donahue.
 Marion Doten.
 Nora Theresa Downey.
 Beatrice Duncan.
 Florence Merrill Dunning.
 Florence Whiting Earle.
 Velma Isabel Ehrensmann.
 Margaret Emelda Emerson.
 Gladys Anita Erb.
 Helen Goodwin Fall.
 Winifred Ruth Fermoyle.
 Marion Gertrude Fish.
 Helen Locke Fiske.
 Irene Kathryn FitzPatrick.
 Mary Ellen Fitzpatrick.
 Veronica Foley.
 Mary Lillian Foss.
 Ruth Alberta Frazee.
 Mabel Anna Freeman.
 Maud Sarah Fuller.
 Mary Esther Gilmore.
 Eleanor Given.
 Minnie Edith Goldenberg.
 Mildred Enola Graffam.
 Edna Elizabeth Grant.
 Marion Hall.
 Mary Butler Hallett.
 Helen Florence Halnan.
 Helen Emeline Hamblett.
 Eunice Ledyard Hammett.
 Marion Elizabeth Hanlon.
 Lucy Sophia Hardy.
 Marie Gladys Harmon.
 Margaret Genevieve Harrington.
 Ruth Clementine Harrington.
 Bernadene Augusta Hart.
 Agnes Louise Haugh.
 Gladys Haynes.
 Helen Meribah Higgins.
 Pauline Mable Holman.
 Nellie Jeanette Hunter.
 Myrtle Mildred Irwin.
 Anna Emelia Johnson.
 Ebba Helen Alfrida Johnson.
 Kathleen Josephine Judge.
 Alice Louise Keefe.
 Catherine Maria Kelliher.
 Marguerite Francis Kiley.
 Veronica Josephine King.
 Lois Carmen LaBua.
 Helen Wyman Lander.
 Esther Lillian Laverty.
 Marion Rose Leahy.
 Louise Pearl Leslie.
 Etta Frances Levy.
 Miriam Brown Libby.
 Bessie May Lomax.
 Gertrude Reed Luce.
 Ruth Lufkin.
 Eleanor Marie Lundgren.
 Charlotte Maria Lutz.
 Helen Gertrude Lynch.
 Winifred Mabel Lyons.
 Helena Isabel MacMaster.
 Marguerite Reynolds McFarland.
 Mary Ellen McIntyre.
 Hazel Ruth McMillan.
 Sarah Pauline McMullen.
 Catherine Frances Meagher.
 Bertha Cleveland Mellett.
 Edythe Lippiatt Miller.
 Rebecca Marie Mitchem.

Berntha Adelaide Moody.
 Mildred Irene Moore.
 Dorothy Ruth Morgan.
 Alice Virginia Morris.
 Gertrude Morrison.
 Mabel Hoythe Morrison.
 Lilla May Mullett.
 May Frances Nangle.
 Martha Nash.
 Vera Marguerite Nason.
 Louise Neilon.
 Gwendolyn Norma Nelson.
 Mabel Edith Julia Nelson.
 Celia Jennie Nevelson.
 Gladys Nolan.
 Ruth Alma Nye.
 Ellen Christina O'Neill.
 Elizabeth Evelyn Owler.
 Ardelle Lockhart Page.
 Lezlie Abigail Patten.
 Elizabeth Frances Paz.
 Hazel Havilah Pearson.
 Gertrude Elizabeth Petrie.
 Laura Olympia Pinto.
 Mae Lucy Quirk.
 Margaret Augusta Randall.
 Florence Agnes Reardon.
 Isamay Turnbull Richardson.
 Laura Dexter Richardson.
 Louise Catherine Riley.
 Julia May Riordan.
 Irene Louise Roche.
 Grace Evelyn Rood.
 Edna Montgomery Ross.
 Estelle Eliza Ross.
 Etta Frances Rowe.
 Grace Genevieve Rowe.
 Grace Chesterman Safford.
 Edna Louise Savary.
 Hattie Schwartz.
 Silvia Maria Childa Scigliano.
 Mabel Seavey.
 Mary Josephine Shanney.
 Beatrice Louise Sheridan.
 Helen Shevlin.
 Josephine Simpson.
 Grace Gertrude Sliney.
 Ethel Mabel Small.
 Annie Mayette Smith.
 Ella Marion Smith.
 Katharyn Aloyse Smith.
 Mabel Marie Stacy.
 Mary Isabelle Sterling.
 Flora Evangeline Stevens.
 Ella Elizabeth Sullivan.
 Marion Gertrude Teakles.
 Gladys Elizabeth Teele.
 Avis May Todd.
 Elizabeth Prescott Todd.
 Grace Helen Townsend.
 Anna Barkess Truesdale.
 Ellen Catherine Turnbull.
 Grace Winifred Tyter.
 Hazel Catherine Upton.
 Lulu Myra Vinal.
 Hasel Ella Walker.
 Ruth Marguerite Walker.
 Catherine Jane Wallace.
 Anna Rose Walsh.
 Gladys Marion Waters.
 Elizabeth Knickerbocker Weaver.
 Minnie Rachel Weinberg.
 Anna Frances Welch.
 Eliza Margaret Welch.
 Lillian Ruth Whitcomb.
 Lelia May Wiley.
 Frank Albert Anderson.
 George Dana Anderson.
 Roy Miner Atwater.
 Robert Cushman Bourne.
 Rupert Jerome Bracy.
 Daniel Francis Brennan.
 William Russell Brennan.
 Santo Brigandi.
 Joseph Louis Brodil.
 Chester Louis Byron.
 Malcolm Tent Calder.
 Roderick Archibald Cameron.
 Charles Clinton Carpenter.
 Martin Francis Carpenter.
 Maurice Gilman Carter.
 Leon Sabin Cohen.
 Zelman Cohen.
 Thomas Christopher Coleman, Jr.
 George Alonzo Dalton.
 Stanton Russell Eustis.
 Gardner Chapman Evans.
 Richard Charles Fellows.
 Hazen Cotton Frazee.
 Joseph Paul Gardner.
 Harold Lee George.
 Robert Colson Gonja.
 Arthur Dana Hall.
 Gordon Hall.
 Henry Edward Halpin.
 Cornelius Patrick Hanlon, Jr.
 Clarence Dunbar Hart.
 Ernest Wood Harvie.
 Roy Joseph Heffernan.
 Charles Lester Hildred.
 Dudley Furber Holden.
 Frank William Holmes.
 Everett Currie Hunt.
 Harold Milan Jones.
 Edgar Louis Kaula.
 Arthur Lindley Lamont.
 Thornton Ainsworth Landers.
 John Edward Laverty.
 Robert Douglas Locke.

Harold Arthur Lord.	Arthur Edmund Quimby.
William Edmund Aloysius Lutz.	Howard Curtis Rand.
Alvin Bernard Lynch.	Leonard Alexander Rice.
Cornelius Edward Lynch.	Robert Goodale Richards.
Arthur Pius MacIntyre.	Arthur Inwood Richardson.
Walter Edward MacQuinn.	Arthur Albert Riley.
Damon Wesley Mahoney.	Ernest Stuart Rogers.
Francis Joseph Mahoney.	Meyric Reynold Rogers.
Charles Austrasia Martell.	Moses Bernard Rosenauer.
Donald Evans McIntire.	Raymond Gerry Sault.
Stewart Norman Miller.	Leonard Charles Schaefer.
George Edwin Molen.	Howard Manfred Shaffer.
Norman Webster Morison.	Edward Leo Sinclair.
Kenneth Richie Morrell.	Perley Elmer Skinner.
Leo Thomas Murphy.	Albert Francis Smith.
Francis Oscar Nelson.	Eugene Ferdinand Smith.
Raymond Lester Nichols.	William Augustus Snow.
John Joseph Norton.	Howard Douglas Steele.
Robert Raymond Nugent.	John Alexander Stevenson.
Edwin Fulton O'Brien.	Howard Tyner Stout.
Gordon Wesley Olson.	Edward Meyer Sullivan.
Wallace Bruce Olson.	William Wallace Thayer.
Howard Bruce Parker.	Charles Hastings Upton.
James William Marsden Parks, Jr.	Harold Lincoln Webb.
Lothrop Greenleaf Paul.	Walter Elton Whittaker.
Earle Fletcher Pearson.	Lester Alfred Williams.
Louis Vincent Pellegrini.	Earle Kennett Woodman.
Harold Otis Phalen.	Max Yavner.
Carl Breck Pitman.	Walter Raymond York.
Ellsworth Holt Plumer.	

TABLE 27.—GRAMMAR SCHOOL GRADUATES.

Graduation exercises of the grammar schools were held in the several grammar school buildings on the afternoon of Wednesday, June 26. A short address, class singing, and awarding of diplomas constituted the programme.

GRAMMAR SCHOOL GRADUATES, FEBRUARY, 1912.

Bell School.

Elsie Dorothy Brodil.	Walter LeRoy Herget.
Russell Wallace Conklin.	Derry May.
Freida May Ernst.	Willis Hubbard Pond.
Lulu June Ernst.	

Forster School.

Louise K. Berry.	Marjorie Hopkins.
June A. Burns.	Marjorie V. Howlett.
Frederick M. Carey.	J. Louis Hurley.
Harold G. Carper.	Helen E. Jones.
Leona Brewster Colton.	William Cyrus Kyle.
Dorothy W. Conway.	Frances L. Neiley.
Doris W. Coyle.	Melvin T. Ross.
Genevieve E. Crook.	Hannah E. Russell.
Carolus Levon Eksergian.	Dorothy M. Saltmarsh.
Harry B. Field.	Olive M. Sharp.
Milburn French.	Edward Siegel.
Earle Gudakunst.	Marion C. Strom.
Martha Helen Hannon.	Ruth M. Thomas.

Morse School.

Gerald R. Barrett.
 John W. Dunham.
 Frances May Foley.
 Gertrude Elizabeth Gaddis.
 Helen J. Komenda.
 E. Rudolph Lawson.
 Ernest M. Mills.
 William Harry McDermott.
 Janet A. MacLellan.

Mary M. MacLellan.
 James R. Pollard, Jr.
 A. Melville Pride.
 Marjorie L. Rabbitt.
 Eileen Sullivan.
 Russell H. Sutcliffe.
 Nathaniel Chester Wiley.
 Wendell P. Wood.

Brown School.

James Alexander Adam.
 Samuel Baker.
 Henry W. Benson.
 Martha D. G. Brewster.
 Ruth S. Coldwell.
 Wyman P. Fiske.
 Mildred H. Harvie.
 Caroline Higgins.

F. Earl Leonard.
 D. Harmon MacKinnon.
 Claire Marie Matthews.
 Elmer William Moffatt.
 Amelia Elizabeth Ohse.
 Mabel Parmer.
 Grace Runyan.
 Ruth Edith Yeaton.

Highland School.

John Henry Abbott.
 Elsa M. Aitken.
 Marjorie L. Aldrich.
 Ellen Phyllis Anderson.
 Catherine Artz.
 Matthew S. Boyle.
 William Ernest Brackett.
 Robert Brownell.
 G. Davis Clarke.
 Edna Mildred Connor.
 Gertrude B. Currie.
 Mabel L. Danehy.
 William J. Davis.
 Raymond B. Davison.
 William E. DeWitt.
 Ethel M. Eager.
 Howard Alden Ellis.
 Charles Desmond Fletcher.
 Gladys M. Fletcher.
 George W. Gardiner.
 Charles James Gnecco.
 Ruth E. Hallett.
 William Francis Herlihy.
 Edythe Lillian Higgins.
 Lilia E. Hill.

Helen Hobart.
 Warren F. Horsman.
 Helen R. Hooke.
 Charlotte M. Hopkins.
 F. Creighton Joscelyn.
 Charles Kearney.
 Irene Elliott Lane.
 Allen August Lyndell.
 Edith Marie Levis.
 Marguerite A. LeHand.
 Glen Alan MacDonald.
 Edna G. Marston.
 William Harry Moody.
 Henry Lawrence Rice.
 Carleton W. Robbins.
 Mildred I. Russell.
 Reta A. P. Slack.
 John O. von Sneidern.
 Ernest Farnham Stockwell.
 Alice Tutein.
 Edythe Frances Wardrop.
 Mildred Melbourne Weldon.
 Estelle J. Young.
 Clyde E. Reick.

GRAMMAR SCHOOL GRADUATES, JUNE, 1912.**Prescott School.**

Louis E. Belyea.
 Walter C. Belyea.
 Dorothea L. Bingham.
 David C. Bowen.
 Helen Louise Bradley.
 Alice Lillian Cardinal.

Bertha Esther Clay.
 Hazel M. Davis.
 Ruth A. Doherty.
 Ruth Marie Donohue.
 Herbert Bernard Dwyer.
 William Fisher.

Willard Ames Fleming.
 Arthur W. Goodspeed.
 Ralph Goodwin.
 John E. Harding.
 Helen L. Hayden.
 Elmer Russell Hayes.
 Ruth Naomi Holmes.
 Margaret Lamb.
 James Lane.
 Marjorie E. Lee.
 Helen Esther Linegar.
 Elmer Lufkin.
 Percy T. McKillop.
 Evelyn H. Nichols.

Gertrude Owens.
 Essie May Peel.
 Gertrude Elizabeth Prichard.
 Richard John Reinold.
 Russell Thurston Shay.
 Mildred Frances Sheridan.
 Frank H. Sliney.
 Burdella E. Thorne.
 Thomas Thornton.
 Frederick C. Tolman.
 Clifford LeRoy Waldron.
 Agnes E. Weir.
 Evelyn Weisberg.
 Stella Marie Whelan.

Knapp School.

Ellis Alsen.
 Mary C. Bennett.
 Pearl Berman.
 John Joseph Buckley.
 Pauline Bronstein.
 Mary Lourdes Cabral.
 Estelle J. Campbell.
 Grace Evelyn Cainpbell.
 Annie Mae Carlin.
 Daniel Coakley.
 Chester F. Cotter.
 Esther M. Crotty.
 Edith Mable Crowe.
 Thomas Edward Cullinane.
 Linnie Dalrymple.
 Emeline Maria Dean.
 Walter M. Dean.
 Gertrude M. Dewire.
 William Patrick Devereaux.
 William Francis J. Dewire.
 Paul Peter Difazio.
 John S. Dillon.
 John P. Donnelly.
 George Ludvig Erickson.
 A. Esther FitzPatrick.
 Edward Flayderman.
 Alice Teresa Garrity.
 James Bernard Grue.
 William Bradley Hafford.
 Webster Hall.
 Susie Gertrude Hart.
 George B. Hambro.
 Catherine M. Heise.
 Kathleen Helen Healey.
 Howard Edward Hellmann.
 Samuel N. Hozid.
 Charles J. Iserow.
 Karl Joseph Jerome.
 Ethel M. C. Jollimore.
 Albert Lawrent Kissling.
 James Francis Leahy.

Eleanor Rose Malone.
 Grace E. MacFarlane.
 Peter Lanier Martin.
 A. Gladys McLean.
 Alice A. Tassinari.
 Francis F. McCarthy.
 Charles W. H. Meinberg.
 Lillian Beatrice Melville.
 William Augustus Merriman.
 Marion Moore.
 Thomas Francis Murphy.
 Lawrence Earl Nichols.
 Frederick A. Norton.
 Howard Odelstierna.
 Edward J. D. Okerlund.
 Mary Loretta O'Neil.
 Albion Francis Packard.
 Alice Mary Parsons.
 Roy Earl Patterson.
 Lillian E. Payette.
 Rebecca B. Pinkos.
 Edna Ray.
 Annie May Reilly.
 Olive Gertrude Reilly.
 Daniel J. Riley.
 Francis Louise Roosa.
 Margaret Mary Sharry.
 John F. Sheehan.
 Sarah Specter.
 Jeremiah Francis Sullivan.
 John J. Tierney.
 Mary Josephine Tobin.
 Lillian R. Touchet.
 Mary Perry Vincent.
 Florence Isabel Wallace.
 Edwin Melvin Walker.
 Abraham Wantman.
 George Lawrence Ward.
 Matilda Weiner.
 Harry J. White.
 Arthur Frederic Williams.

Pope School.

Ethel Mary Baker.	Mable I. Kurth.
William F. Bench.	William Leary.
Theresa M. Blute.	Myer Matthews Lipkind.
Mary Gertrude Bryan.	Reuben Lipkind.
Frederick Arthur Burns.	Helen G. McLaughlin.
Alice Imelda Carr.	George E. Mitchell.
Marie L. Carterino.	Wilbur R. Molan.
John H. Casey.	John F. Norton.
Frank A. Clarke.	Peter Joseph O'Hara.
Morgan John Corbett.	Esther M. Palmer.
William P. Corbett.	Willard H. Parker.
Mary Colletta Cotter.	E. Parker Pillsbury.
Daniel F. Coughlin.	Thelma H. Plumer.
Vincent Di Franco.	Francis M. Quirk.
Annie V. Donovan.	Josephine E. Ryan.
Beatrice Egerton.	Thomas F. Scanlan.
Robert J. Gerety.	Lena M. Sussenberger.
Alvah Hartly Gray.	Charles Taglino.
Marjorie B. Griffin.	Gladys Louise Vannah.
Elizabeth M. Haggie.	Mildred M. Van Ummersen.
William F. Harney.	Americo B. Ventura.
Mabel W. Higgins.	Mildred M. Wallach.
Frank L. Hopkins.	Julia A. Westlin.
Ida M. Johnson.	Hildegard E. Wood.
James W. Kelley.	

Bell School.

Ruth Evelyn Arrington.	Gilbert Henry Hood, Jr.
Winifred Weldon Arrington.	Sarah Boardman Ingham.
Priscilla Barnes.	Walter John Irving.
Robert Albert Blake.	William Norman Kelty.
Charles Harwood Bowker.	Jeanette Lawson.
John Daniel Chequer.	Mabel Bell Lounsbury.
Pauline Chmiell.	Elizabeth Jennings MacLachlan.
Marjorie Sanford Choate.	Jeannette May MacLachlan.
Edmund Francis Clarke.	Edward Leo McCarthy.
Charles Newcombe Clarkson.	Edward Francis McNulty.
Ida Eleanor Victoria Collins.	Isabel Gwendolyn Mitchell.
Frederick Arnold Colwill.	John David Mullany.
Lelia Belinda Conway.	Grace Gertrude Newman.
Ethel May Cook.	Thomas Anthony Nolan.
Russell Ames Cook.	Arthur Laurie Nugent.
Margarette Dwinal Cooper.	Aldora Ernestine Pare.
William Peter Corrigan.	Helen Marion Pollock.
Myrtle Rhea Cross.	Margaret Elizabeth Randall.
Iva Lurle Dumas.	Frank Conrad Rice.
Mabel Etta Eldridge.	Charles Edward Riley.
Helen Gertrude Farrar.	Harold Victor Roberts.
Stanley Austin Felt.	James Frederick Roberts.
Blanche Borden Fuller.	Hazel Bardwell Rowe.
Mary Clara Fulton.	Florence Emily Sonia.
George Smith Fyfe.	Ralph Dexter Souther.
Hazel Elizabeth Hewes.	John Joseph St. Angelo.
William John Hickey.	Helen Bailey Thomas.
Allen Franklin Higgins.	Arthur James Underhill.
Verne Harold Hollis.	Margaret Roger Walker.
Emily Caroline Hood.	Lillian Maude Woodman.

Eggerly School.

Marion Abbott.
 Charles E. Augusta.
 Grace H. Barber.
 Kathryn J. Beal.
 Leslie D. Beecher.
 Guy E. Best.
 Vivienne G. Bowes.
 Barbara E. Brainard.
 Carolyn L. Brainard.
 Harold B. Brinig.
 Elmer P. Brown.
 Ralph H. Burt.
 John J. Carroll.
 Elizabeth M. Chisholm.
 Russell E. Cole.
 Earl L. Cragin.
 Stuart Cragin.
 Beatrice B. Cresto.
 Blanche B. Cresto.
 Margaret S. Colleran.
 Mary G. Colleran.
 Richard P. Collins.
 Roy R. Croft.
 Grace L. Crowley.
 Sarah M. Curran.
 Edward J. Devereaux.
 H. Orville Dudley, Jr.
 Ramon F. Gustin.
 Lloyd C. Harding.
 Martha G. Henderson.
 Blanche E. Hodgdon.
 Emma Holden.
 Arthur W. Horton.
 Merle T. Jackson.
 Arthur W. Johansen.
 Joseph W. Jolly.

Mary G. Kelley.
 Matthew M. Kerner.
 Alice C. McLaughlin.
 Gertrude E. Lincoln.
 Donald L. MacDonald.
 Mabel Magrath.
 Loretta M. Maher.
 Edward G. Martin.
 John L. Meaney.
 Leighton T. McConnell.
 Ferdinand J. McKay.
 Edith S. Moller.
 Margaret M. Moroney.
 C. Mason Morse.
 Viola F. Mower.
 Raymond A. Murphy.
 Charles W. Noyce.
 Mary E. O'Donnell.
 LeRoy V. Pierce.
 William A. Pineo.
 Alfred F. Plude.
 Hazel E. Plummer.
 Harbourne D. Ringer.
 William D. Robinson.
 Ruth M. Russell.
 Lester M. Skinner.
 Isabelle H. Slaffsky.
 Edith M. R. Symonds.
 Cecil Taylor.
 Roger F. Thomas.
 E. Alma Trahey.
 William O. Tuttle.
 Millie Waitt.
 E. Bella Weisman.
 Jessie M. Wellman.

Glines School.

Dorothea Waldo Archer.
 Chester Gordon Beckett.
 Annie Grace Blake.
 Walter Charles Brownlee.
 Erwin F. Colburn.
 Reginald Orpin Eaton.
 Anna Finigan.
 Marguerite H. Glover.
 Otis C. Hale.
 Hazel Grace Hamilton.
 Marjorie Gladys Higgins.
 Maud Charlotte Jaques.
 Mildred Viola Jeffrey.
 Jessie Marion Jones.
 Francis J. Kelley.
 A. Chester Kenneson.
 Harold Hutchinson Kolb.

H. Clinton Learned.
 Mabel March.
 Sarah H. McAleer.
 Elmer Forrest Mitchell.
 Francis E. M. Prendergast.
 Emily Rapoza.
 Doris Isabella Robbins.
 George Cedric Stimpson.
 Marjorie Laura Stimpson.
 John J. Sullivan.
 Marjorie E. Walker.
 Louise A. Wetherbee.
 Marion Angier Wheeler.
 Carol Whiting.
 Walter D. Whitten.
 Caroline Mary Wiley.

Forster School.

Lois K. Bateman.	Fred M. Jackson.
Clarence Rogers Baxter.	Daniel J. C. Kelley.
Leo Francis Brine.	James A. Kelley.
Ernestina A. Brown.	Nellie E. Leighton.
Ralph H. Card.	Ethel Lomasney.
Margaretta R. Chisholm.	Earl Lund.
Arthur Cohen.	M. Hazel Marble.
Jessie C. Cook.	Veronica C. McCarthy.
J. Warren Corey.	Abbott Claxton Martin.
Marguerite Gertrude Cronin.	Lewis Wentworth Martin.
Daniel Benedict Desmond.	Mildred McCharles.
Marguerite M. Driscoll.	John W. McElroy.
Hollis E. Dudley.	Ruth M. Messerli.
Martha Cecelia Estee.	Grace Mary Mernick.
Josephine C. Finn.	Mary H. Mullen.
Mildred Battelle Fitz.	Arnold Howatt Murray.
John M. Fitzpatrick.	Lester Emery Nickerson.
Vernal Eustis Fuller.	Lila Amelia Pearson.
George Frederick Giles.	Earle W. Perkins.
Mae M. Hally.	Lena Phillion.
Ernest C. Handley.	Randall Edwards Porter.
Milford Wales Hatch.	Robert R. Robillard.
Walter C. Hellman.	Mary G. Ronan.
Dorothy Whitney Hersey.	Henrietta Louise Sheridan.
Marion F. Hersey.	Evelyn G. Smith.
Robert Plummer Higgins.	Gertrude E. Starks.
John Duff Hopkins.	John N. Whalen.

Bingham School.

Theresa L. Baldwin.	Courtney J. MacDonald.
George F. Borstell.	A. May MacNish.
Rose Buchinsky.	James T. McMullen.
Hannah M. Chambers.	Marion G. Mellen.
Florence L. Cotter.	Thomas F. Meskill.
Elizabeth A. Costello.	Ethel M. Michaud.
Mary J. Cox.	Josephine M. Miller.
Joseph F. Cox.	Helen A. Moran.
Dorothy G. Cudmore.	John M. Murray.
Agnes E. Englund.	Sten A. Oberg.
Joseph J. Filadoro.	John E. O'Brien.
Angela A. Gannon.	Charles M. O'Lalor.
Eva E. Gutosky.	John D. Ring.
Irving W. Hayward.	Marie E. Robinson.
John A. Heiser.	Esther L. Ryan.
Frances V. Horacek.	Forrest W. Sampson.
Merle L. Hunt.	Frank M. Savage.
Agnes A. Johnson.	Manion E. Scully.
William J. Kearns.	Annie M. Sexton.
John J. Kelliher.	Philomena M. Stacy.
Hope L. Lavers.	Margaret E. Welch.
Ethel A. Lindberg.	Harold Wells.
William H. Lucas.	Frank X. Williams.
Helen G. Lynch.	

Carr School.

Gladys E. Belding.	Madeleine Brine.
Emily C. P. Benson.	Mary G. Buckley.
Lillian Bianconi.	Mary Campbell.

Alice G. Casey.
 George F. Clements.
 John J. Collins.
 Anna V. Cotter.
 Esther A. Dupee.
 Ethel G. Fitzmaurice.
 Mary E. Flynn.
 Frank J. Gilli.
 Eva P. Hurd.
 Marion A. Ingram.
 Beatrice T. King.
 Maurice Levison.
 Ethel L. Lynch.
 Daniel F. McAuliffe.

Helen G. Mahoney.
 Adeline G. Mazoni.
 Dorothy K. Morgan.
 Carl E. Newton.
 Nora T. O'Neill.
 Joseph Peterson.
 Cecelia F. Phinney.
 Catherine A. Pickett.
 Esther K. Prebensen.
 Barbara F. Prentice.
 Gregory C. Prior.
 Walter D. Richards.
 Aloysius V. Richardson.
 Anna E. Thiesfeldt.

Morse School.

Ruth M. Armstrong.
 Mary A. Bengonzi.
 Carl B. Bohlin.
 John W. Brower.
 Clement J. Cremen.
 Walter Cremen.
 Frank B. Cross.
 Susan Evelyn Findlay.
 Floyd F. Foster.
 James A. Givan.
 Helen F. Holahan.
 Henry Leo Hurwitz.
 Emma M. Innocenti.
 Martha M. Keating.
 Paul Leo Keating.
 Richard Edward Keating.
 Frank O. Kullberg.
 Lucy M. Lanigan.
 John J. Locatelli.
 Constance Isabell McLean.

Myra E. McLean.
 Florence Marie Murphy.
 Anna M. Nolan.
 John A. Owens.
 Angela M. Perron.
 James C. Pratt.
 Gladaid M. Price.
 Bertha G. Robertson.
 Lillian G. Shoulder.
 John F. Smith.
 Beulah Steeves.
 Oscar C. Swanson.
 W. Graham Taylor.
 Edwin F. Trefren, Jr.
 Marsden Truesdale.
 Charles M. Tyler.
 Marion E. Watts.
 Howard Whitaker.
 Gertrude E. Coffin.

Brown School.

Charles A. Atkinson.
 Theresa Agnes Byron.
 Gertrude Frances Cowick.
 Mary Agnes Evans.
 H. Albert Godendorf.
 Lillian I. Grant.
 Evelyn Jordan.
 Irene Mae Knight.
 Hubert John Kennedy.
 Gean Lufkin.
 Marion Arvilla Mackinnon.
 Elizabeth Augusta Mahoney.
 Mildred Alice Marsh.
 Donald Leslie Marshall.
 Marjorie Ethel Mercer.

Emma Louise Merritt.
 Ruth Helen Merritt.
 Emma Ethel Margret Parks.
 Charles Lawrence Poore.
 Russell Frederick Rielly.
 Albert Robertson.
 Louis Rubenstein.
 Laurence Cedric Saunders.
 Helen I. Sheridan.
 Esther Isabell Soderberg.
 Raymond Carleton Stevens.
 Dorothy Taylor.
 Claire Louise Treat.
 Minnie L. Yeaton.

Highland School.

Mildred J. Alls.
 Percy E. Andrews.
 Lester W. Booth.
 Dorothy W. Brigham.

Carroll W. Bunker.
 Herbert W. Chesley.
 Hazel I. Clark.
 Whitley A. Cummings.

Elizabeth Creighton.
 Dorothy Q. Cooke.
 Fredrick W. Dion.
 Nora A. Downing.
 Edwin C. Field.
 Kenneth B. Field.
 Frederick M. Gay.
 Wilhelm T. Hedlund.
 Doris C. Holt.
 Viola L. Howard.
 Robert C. Hunt.
 Georgiana C. Jones.
 Joseph H. Logan.
 Anna I. Lovequist.
 Irene K. Macauley.
 Irma L. Morang.
 George A. Ostler.

Brooks Pease.
 Frances W. Pettit.
 Ethel M. Powell.
 Beatrice T. Ramsay.
 Gentrude L. Roberts.
 John J. Shields.
 Bertha P. Silver.
 Lloyd E. Smith.
 Harold D. Tibbetts.
 Odbur W. Tingley.
 Lucius B. Truesdell.
 Mildred M. Vaupel.
 Raymond C. Vinal.
 Lulu A. Whitcomb.
 June L. Wilson.
 Leon W. Wilson.
 Wilbur M. Reynolds.

Hodgkins School.

Matilda Anderson.
 Chester E. Berquist.
 Arthur H. Brown.
 Doris P. Bearisto.
 Rose Bedighian.
 Mary T. Begley.
 Gustave W. Bormann.
 Dora L. Bormann.
 Beatrice C. Boyd.
 Helen P. Colley.
 Gertrude H. Cameron.
 Margaret C. Cameron.
 Henry T. Chorlton.
 Ruth Donovan.
 Veda LeB. Dow.
 Harold P. Davis.
 Henry L. Deacon, Jr.
 Edna D. Elliott.
 Margaret M. Fitzpatrick.
 Herbert J. Gould.
 Ina B. Gould.
 Garnet M. Gretter.
 Charles E. Goddard.
 Inez M. George.
 Mary C. Haartz.
 George N. Hagar, Jr.
 Carleton R. Harris.
 Edna L. Huston.
 Selina M. Hall.
 Elmer L. Johansen.
 Winslow M. Kingman.
 Alice A. Libbey.

Florence Le Shane.
 Ralph W. Lamont.
 Lillian M. Mahoney.
 William J. Mahoney.
 Varnum C. Mead.
 Gertrude Macdonald.
 Dorothy Matthews.
 Marion G. Minton.
 Donald E. Nickerson.
 Frank E. Oliver.
 Blanche E. Ormes.
 Ira L. Packard.
 William Phipps.
 Jason L. Russell.
 Dorothy M. Rankin.
 Lloyd M. Reavis.
 Donald E. Rockwell.
 Veronica Sarkisian.
 Alice B. Swasey.
 Florence E. Simpson.
 Adeline I. Silva.
 Max I. Sherman.
 Charles A. Saxton.
 Earl S. Turner.
 John J. Valente.
 Hazel M. Voodry.
 Walter A. Wright.
 Paul F. Weldon.
 Selena G. Wilson.
 Arthur E. Wallstrom.
 Robert H. Reeves.

TABLE 28.—ORGANIZATION OF SCHOOL BOARD, 1913.

School Committee.

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

Members.

	EX-OFFICIIS.	Term expires January
CHARLES A. BURNS, Mayor,	27 Thurston street	1914
FRANK R. DUNKLEE,	President Board of Aldermen, 5 Prospect Hill ave.,	1914
WARD ONE.		
MRS. MARY G. WHITING,	Hotel Wadsworth	1914
THOMAS A. KELLEY,	8 Rush street	1915
WARD TWO.		
DANIEL H. BRADLEY,	19 Concord avenue	1914
THOMAS M. CLANCY,	52 Springfield street	1915
WARD THREE.		
GEORGE E. WHITAKER,	75 Walnut street	1914
ALBERT C. ASHTON,	33 Columbus avenue	1915
WARD FOUR.		
CHARLES A. KIRKPATRICK,	27 Sewall street	1914
MARTIN P. HOGAN,	255 Broadway	1915
WARD FIVE.		
HENRY H. FOLSOM,	103 Central street	1914
HERBERT A. MACDONALD,	5 Norwood avenue	1915
WARD SIX.		
FREDERICK A. P. FISKE,	44 Cherry street	1914
MRS. MARY R. BREWER,	170 Summer street	1915
WARD SEVEN.		
GEORGE C. MAHONEY,	97 College avenue	1914
HERBERT CHOLERTON,	94 College avenue	1915

Superintendent of Schools.

CHARLES S. CLARK.

Office: City Hall Annex, Highland avenue.

Residence: 82 Munroe street.

The Superintendent's office will be open on school days from 8 to 5; Saturdays, 8 to 10. His office hours are from 4 to 5 on school days, and 8 to 9 on Saturdays.

Office telephone, 314; house telephone, 12.

Superintendent's office force:—

Justin W. Lovett, 13 Hudson street.

Mary A. Clark, 42 Highland avenue.

Mildred A. Merrill, 26 Cambria street.

Board Meetings.

January 27.	April 28.	September 29.	December 26.
February 24.	May 26.	October 27.	January 2, 1914.
March 31.	June 30.	November 24.	

8.15 o'clock.

TABLE 28.—ORGANIZATION OF SCHOOL BOARD, 1913.—Concluded.**STANDING COMMITTEES, 1913.**

Note.—The member first named is chairman.

High School —Mahoney, Mrs. Whiting, Bradley, Ashton, Hogan,
MacDonald, Fiske.

District I.—Mrs. Whiting, Kelley, Clancy.
PRESCOTT, HANSCOM, BENNETT.

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

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

District IV.—Kirkpatrick, Hogan, MacDonald.
EDGERLY, GLINES.

District V.—Folsom, MacDonald, Kirkpatrick.
FORSTER, BINGHAM.

District VI.—Fiske, Mrs. Brewer, Folsom.
CARR, MORSE, PROCTOR, DURELL, BURNS, BROWN.

District VII.—Mahoney, Cholerton, Fiske.
HIGHLAND, HODGKINS, CUTLER, LOWE.

Finance.—Ashton, Kirkpatrick, Kelley, Clancy, Whitaker, Folsom,
Fiske, Burns, Dunklee.

Text-Books and Courses of Study.—Whitaker, Kelley, Clancy, Kirk-
patrick, Folsom, Mrs. Brewer, Cholerton.

Industrial Education.—Kirkpatrick, Mrs. Whiting, Ashton, Clancy,
Kelley, Mrs. Brewer, Hogan.

School Accommodations.—Clancy, Hogan, Whitaker, Kirkpatrick,
MacDonald, Mrs. Brewer, Cholerton, Burns, Dunklee.

Teachers.—Fiske, Whitaker, Bradley, Folsom, Mahoney.

Playgrounds and School Hygiene.—Mrs. Whiting, Mrs. Brewer,
Cholerton, Kelley, MacDonald.

Rules and Regulations.—Bradley, Fiske, Mahoney.

TABLE 29.—TEACHERS IN SERVICE JANUARY, 1913.

NAME AND RESIDENCE.	Salary.	Began Service.
HIGH SCHOOL.		
Central Hill.		
JOHN A. AVERY, Head Master, 22 Dartmouth Street	\$3,200	1895
Everett W. Tuttle, Master, 62 Highland Avenue	2,000	1895
Frank M. Hawes, Master, 257 School Street	2,000	1879
Charles T. Murray, Master, 28 Franklin Street	2,000	1887
William D. Sprague, Sub-Master, 16 Pleasant Avenue	1,800	1906
John L. Hayward, Sub-Master, Everett	1,800	1913
Roy W. Hatch, Sub-Master, West Medford	1,700	1909
Harry L. Jones, Sub-Master, 137 Powder House Boulevard	1,700	1896
Howard W. Poor, Sub-Master, 27 Mt. Vernon Street, Reading	1,700	1896
Harry F. Sears, Sub-Master, Melrose Highlands	1,700	1901
George M. Hosmer, Sub-Master, 13 Arlington Street	1,700	1901
William W. Obear, Sub-Master, 86 Belmont Street	1,700	1906
Frank H. Wilkins, Sub-Master, 14 Heath Street	1,700	1906
Laurence A. Sprague, Sub-Master, West Newton	1,600	1906
John M. Jaynes, Sub-Master, 29 Putnam Street	1,500	1901
Guy C. Blodgett, Sub-Master, 92 Belmont Street	1,400	1910
Seth A. Loring, Sub-Master, No. Wilmington	1,400	1911
Walter I. Chapman, Sub-Master, 18 Central Street	1,400	1911
Augustus B. Tripp, Sub-Master, 67 Wallace Street	1,100	1909
S. Thomas Hall, Sub-Master, 62 Highland Avenue	1,100	1910
Clarence L. Foster, Sub-Master, 25 Gibbens Street	1,100	1911
Edward N. White, Laboratory Assistant, Wellesley Hills	700	1912
A. Marion Merrill, Assistant, 66 Highland Avenue	1,200	1895
Frances W. Kaan, Assistant, 133 Central Street	1,200	1882
Helen L. Follansbee, Assistant, 40 Vinal Avenue	1,200	1900
Mrs. Lena Gilbert, Assistant, 51 Elmwood Street	1,000	1892
Mrs. Mary C. Thurston, Assistant, 271 Medford Street	1,000	1898
Harriet E. Tuell, Assistant, 10 Harvard Place	1,000	1899
Elizabeth Campbell, Assistant, 15 Pleasant Avenue	1,000	1902
A. Laura Batt, Assistant, 66 Highland Avenue	1,000	1895
M. Helen Teele, Assistant, Arlington	1,000	1895
Clara A. Johnson, Assistant, 177 Central Street	1,000	1897
Elizabeth H. Hunt, Assistant, Cambridge	1,000	1908
Mabel G. Curtis, Assistant, Cambridge	1,000	1903
Mary E. Hadley, Assistant, Arlington Heights	1,000	1907
Natalie A. Smith, Assistant, 60 Albion Street	1,000	1909
Anna Pushee, Assistant, 10 Harvard Place	1,000	1904
Eudora Morey, Assistant, Boston	900	1874
Bessie D. Davis, Assistant, 13 Mt. Vernon Street	900	1901
Ella D. Gray, Assistant, 147 Walnut Street	900	1901
Nellie H. Swift, Assistant, 49 Vinal Avenue	900	1904
Ruth Tousey, Assistant, 106 Professors Row	900	1904
Bessie L. Forbes, Assistant, 92 Orchard Street	900	1899
Bertha A. Raymond, Assistant, 85 Central Street	900	1900
Blanche S. Bradford, Assistant, 161 Summer Street	900	1903
F. Gertrude Perkins, Assistant, 67 Thurston Street	900	1906
Mabel Butman, Assistant, 49 Boston Street	900	1906
Grace Gatchell, Assistant, 49 Vinal Avenue	900	1906
Grace E. W. Sprague, Assistant, Cambridge	900	1908
Kate M. Monro, Assistant, 44 Albion street	900	1909
A. Marguerite Browne, Assistant, Cambridge	900	1908
Edith L. Hurd, Assistant, 125 Central Street	900	1910
Nancy B. Kimball, Assistant, Malden	900	1910
Julia T. Connor, Assistant, 59 Church Street	900	1911
Esther Parmenter, Assistant, 10 Evergreen Avenue	900	1910
Nina G. Moore, 53 St. Stephen Street, Boston	850	1913
Annie C. Woodward, Assistant, 150 School Street	850	1906
Bertha Bray, Assistant, 98 Professors Row	850	1911
Hattie M. Baker, Assistant, 70 Pearson Avenue	750	1911
Mary F. Osborne, Assistant, 67 Boston Street	750	1911
Ella W. Bowker, Assistant, 2 Hillside Avenue	750	1911
Edith R. Macurdy, Assistant, Watertown	750	1911
Marion F. Orne, Assistant, 43 Fairmount Avenue	700	1912
Ilene C. Ritchie, 39 Trull Street	600	1912
Mildred B. Hayes, Assistant, Cambridge	600	1912
Mabell M. Ham, Clerk, 41 Boston Street	800	1906

TABLE 29.—Teachers in Service January, 1913.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
(WILLIAM H.) PRESCOTT SCHOOL.			
Pearl and Myrtle Streets.			
9.	SAMUEL A. JOHNSON, Master, 83 Thurston Street	\$1,900	1893
9.	Elizabeth M. Warren, 46 Vinal Avenue	825	1897
8.	Susie M. Hosmer, Waverley	750	1899
8.	Emma M. Cate, 15 Fletcher Street, Winchester	750	1882
7.	Edyth M. Grimshaw, Readville	750	1909
7.	Mary L. Abbott, Boston	750	1910
6.	Florence A. Eaton, 8 Hamlet Street	750	1906
6, 5.	Angie M. MacRitchie, Concord Junction	700	1912
4.	Clara Taylor, 36 Flint Street	750	1871
3.	Elizabeth L. Marvin, 17 Summit Street	750	1898
2.	Louise E. Pratt, 110 Pearl Street	750	1889
1.	A. Louise Bean, 8 Hamlet Street	750	1904
SANFORD HANSCOM SCHOOL.			
Webster and Rush Streets.			
5.	ELIZABETH M. COLLINS, Principal, 2 Madison Street	\$1,400	1901
Asst.	Mrs. Agness M. Travis, Winthrop Highlands	750	1908
5, 4.	Carrie M. Frost, 220-A Pearl Street	700	1912
4.	Mary B. Nelson, South Lincoln, Mass.	750	1906
3.	Frances E. Robinson, 89 Cross Street	750	1908
3.	Jennie M. Twiss, 67 Berkeley Street	750	1903
2.	Maude A. Nichols, 15 Pleasant Avenue	750	1906
2.	Mattie L. Littlefield, 65 Glen Street	750	1897
1.	*Phenie L. DuGar	750	1907
	Hortense F. Small, 91 Electric Avenue	600	1912
1.	Alice M. Saben, 110 Pearl Street	600	1903
Kind'n.	Elizabeth J. Baker, 50 Vinal Avenue	650	1907
Asst.	Florence M. Shaw, 68 Central Street	475	1909
INDUSTRIAL SCHOOL FOR BOYS (Day).			
Davis Bldg., Tufts Street.			
	E. Minor Morse, Principal, 34 Ware Street	\$1,500	1910
	Charles W. Hurn, 18 Bartlett Street, Malden	1,050	1910
	Nehemiah E. Gillespie, 25 Stone Avenue	1,050	1911
	Charles R. Johnson, Cambridge	600	19 2
	Charles Conte, clerk, 32 Ellington Road	\$3.50	1912
		per week	
CLARK BENNETT SCHOOL.			
Poplar and Maple Streets.			
6, 5.	ELIZABETH M. COLLINS, Principal, 2 Madison Street		1912
Asst.	Kate B. Gifford, 66 Highland Avenue	\$800	1902
5, 4.	Mrs. Nellie W. McPheters, 5 Tennyson Street	600	1912
4	Katherine C. Connolly, 116 School Street	750	1897
4, 3	Mrs. Nettie L. Fay, 12 Grand View Avenue	750	1901
3.	Nellie F. Eaton, 15 Pleasant Avenue	750	1906
2.	Eleanor W. Nolan, 13 Pleasant Avenue	750	1909
2, 1.	Isadore E. Taylor, 36 Flint Street	750	1883
1.	Bertha M. Martindale, 21 Highland Avenue	750	1902
1.	Mrs. Cora B. Gowen, 50 Vinal Avenue	750	1906
Kind'n.	Caroline G. Baker, 40 Benton Road	650	1896
Asst.	Helen Harrington, 28 Hurlburt Street, Cambridge	275	1912

* Leave of absence.

TABLE 29.— Teachers in Service January, 1913.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
GEORGE L. BAXTER SCHOOL.			
Bolton Street.			
5.	MARY G. BLACKWELL, Principal, 45 Ibbetson Street	\$875	1900
4.	Etta R. Holden, 14 Sanborn Avenue	750	1908
3.	Julia A. Mahoney, 16 Parker Street	750	1904
2.	Susie A. Fitzpatrick, 451-A Somerville Avenue	600	1912
1.	Maria D. McLeod, 1 Highland Park, Cambridgeport	750	1906
Kind'n.	Eleanor A. Connor, 59 Church Street	650	1903
Asst.	Martha W. Delay, 48 Beacon Street	350	1911
OREN S. KNAPP SCHOOL.			
Concord Avenue.			
9.	JOHN SHERBURNE EMERSON, Master, 3 Preston Road	\$1,900	1894
9.	Mary J. Malaney, 18 Pleasant Avenue	825	1908
9, 8.	Bessie N. Page, 9 Preston Road	775	1911
8.	Nellie Theresa McCarthy, Woburn	750	1909
8.	Minnie A. Holden, 14 Sanborn Avenue	750	1906
7.	Clara B. Parkhurst, 22 Highland Avenue	750	1889
7.	Clara B. Sackett, 91 Summer Street	750	1891
6.	Edith Hersey, 154 Washington Avenue, Chelsea	750	1899
6.	Florence M. Hopkins, 50 Craigie Street	750	1907
5.	Nona E. Blackwell, 45 Ibbetson Street	650	1906
4.	Annie E. Robinson, 151 Summer Street	750	1876
3.	L. Gertrude Allen, 230 Washington Street	750	1884
2.	Minnie Alice Perry, 21 Summit Avenue	750	1891
1.	M. Edith Callahan, Woburn	700	1911
ALBION A. PERRY SCHOOL.			
Washington Street, near Dane Street.			
6.	CATHERINE E. SWEENEY, Principal, 633 Broadway	\$875	1901
5.	Mary A. Mullin, 27 Shawmut Street	650	1910
4.	Irene Vincent, 47 Vinal Avenue	750	1903
3.	Alice L. Reid, 37 Spring Street	650	1910
2.	Charlotte Holmes, 49 Laurel Street	750	1899
1.	Mrs. Sarah E. Murphy, 21 Fountain Avenue	750	1906
CHARLES G. POPE SCHOOL.			
Washington and Boston Streets.			
9.	GEORGE M. WADSWORTH, Master, Whitman	\$1,900	1891
9.	Florence A. Chaney, 56 Boston Street	900	1892
8.	Alice I. Norcross, 90 Russell Avenue, Watertown	750	1885
8, 7.	Harriet M. Clark, 10 Vernon Street, West Medford	750	1893
7.	Mrs. Blanche G. North, 103 Kidder Avenue	750	1893
7.	M. Abbie Tarbett, 11 Washington Street, Stoneham	750	1906
6.	*Lena F. Shaw, 23 Abbott Street, Dorchester	750	1905
	Edith L. French, 17 Aldersey Street	650	1912
5.	Lizzie W. Parkhurst, 22 Highland Avenue	750	1885
4.	Annie G. Sheridan, 84 Prospect Street	750	1886
3.	M. Katherine Davis, 11 Harvard Place	750	1904
2.	Florence E. Locke, 9 Prospect Hill Avenue	750	1899
1.	Alice B. Frye, 131 Buckman Street, Everett	750	1904

* Leave of absence.

TABLE 29. — Teachers in Service January, 1913. — Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
LUTHER V. BELL SCHOOL.			
Vinal Avenue.			
9.	GEORGE M. WADSWORTH, Master, Whitman		1912
9.	Alice L. Davis, 40 Vinal Avenue	\$900	1895
8.	Rena S. Hezelton, 26 Cambria Street	750	1909
8.	Laura A. Miille, 18 Eastman Road	700	1912
7.	Eva R. Barton, Stoneham	750	1904
7.	Julia A. Simmons, Boston	700	1911
6, 5.	Mrs. Mabel T. Totman, 17 Pleasant Avenue	750	1893
6.	*Emma F. Schuch, 25 Tufts Street	750	1874
	Mrs. Grace T. Lonergan, 26 Gibbens Street	600	1912
5.	Ella H. Bucknam, 27-A Putnam Street	750	1897
4.	M. Eunice Young, Winchester	700	1912
4.	Lavinia C. Cairns, 2 Pleasant Avenue	700	1913
(JOHN A.) CUMMINGS SCHOOL.			
School Street, near Highland Avenue.			
	GEORGE M. WADSWORTH, Master, Whitman		1912
3.	FANNIE L. GWYNNE, Principal, 65 School Street	\$825	1886
2.	Angeline Cann, Hotel Woodbridge	750	1897
1.	Lucia Alger, 152 Summer Street	750	1889
Asst.	Mrs. Stella Hadley, 11 Greene Street	275	1912
(JOHN G.) EDGERLY SCHOOL.			
Cross and Bonair Streets.			
9.	CHARLES E. BRAINARD, Master, 82 Munroe Street	\$1,900	1889
9.	M. Eva Warren, 151 Walnut Street	825	1906
8.	Annie L. Dimpsey, Hotel Woodbridge	750	1891
8.	Mary E. Richardson, 9 Pleasant Avenue	750	1893
7, 6.	Mabel C. Mansfield, 9 Pleasant Avenue	750	1893
7.	Isabelle M. Gray, 23 Webster Street	750	1897
6.	Edith M. Snell, 4 Vine Street, Melrose	750	1900
6, 5.	G. Hortense Pentecost, 154 Walnut Street	750	1905
5.	J. Louise Smith, 196 Washington Street, Lynn	750	1896
4.	Lillian Nealley, 109 Glen Street	750	1882
3, 2.	Alice W. Cunningham, 62 Highland Avenue	750	1901
1.	Martha M. Power, 37 Gleason Street, West Medford	750	1890
JACOB T. GLINES SCHOOL.			
Jaques Street, near Grant Street.			
9	MARY E. NORTHUP, Master, 9 Forster Street	\$1,900	1878
9.	Mary E. Stiles, 9 Forster Street	825	1883
8.	Lilla M. Marble, 85 Heath Street	750	1902
7.	Louise V. Richardson, 61 Heath Street	750	1907
	L. Alice Grady, 85 Heath Street	700	1912
6.	Ellen A. Boynton, 67 Thurston Street	750	1891
5.	Margaret A. Orr, 15 Blagden Street, Boston	750	1890
4.	Mary A. Goddard, 9 Winter Hill Circle	750	1893
4, 3.	Mrs. Carrie Armitage, 57 Madison Street	750	1809
3, 2.	Florence E. Baxter, 49 Hudson Street	750	1891
2.	Anna G. Welch, 22 Fenwick Street	750	1897
1.	Leslie Caverly, 210 Washington Avenue, Chelsea	750	1908
Kind'n.	Isabel J. Tift, 37 Madison Street	750	1892
Asst.	Mrs. Etta D. Ellsworth, Trinity Court, Boston	650	1897
	Ida M. Kane, 28 Fellsway West	575	1905

* Leave of absence.

TABLE 29.—Teachers in Service January, 1913.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
(CHARLES) FORSTER SCHOOL.			
Sycamore Street and Evergreen Avenue.			
9.	JOSEPH A. EWART, Master, Salem	\$1,900	1913
9.	Irene S. Nightingale, 12 Court Street, Arlington	825	1895
9.	Emma G. Blanchard, 146 Mass. Ave., Boston, Suite 622	775	1902
8.	Emma M. Damon, 63 Walnut Street	750	1908
7.	Nellie L. Quennell, 244 Broadway	700	1912
7.	M. Edna Merrill, 228 Broadway	750	1909
6.	Mrs. Mina P. Bickford, 216 Park Street, Medford	750	1903
6.	Elizabeth F. Clement, 29 Kidder Avenue	750	1884
6.	Mary I. Bradish, 112 Magoun Avenue, Medford	750	1899
5.	Elizabeth S. Brown, 29 Evergreen Avenue	750	1897
4.	Laura R. Cunningham, 62 Highland Avenue	750	1904
4.	Annie S. Gage, 32 Marshall Street	750	1881
3.	Mrs. Annie J. Ireland, Winchester	750	1909
2.	Martha L. Hale, 157 Highland Avenue	750	1899
3, 2.	Carrie T. Lincoln, 79 Marshall Street	750	1893
1.	Cora J. Demond, 146 Massachusetts Avenue, Boston	750	1900
1.	Grace Shorey, 23 Forster Street	750	1892
(NORMAN W.) BINGHAM SCHOOL.			
Lowell Street, near Vernon Street.			
9.	HARRY F. HATHAWAY, Master, 495 Broadway	\$1,900	1890
9.	Elizabeth J. O'Neil, 82 Benton Road	825	1894
9, 8.	Elizabeth J. Mooney, 168 Summer Street	750	1904
8.	Jane Batson, 72 Mountain Avenue, Malden	750	1900
7.	Mary E. Hughes, Cambridge	750	1911
7.	Mary F. Mead, 35 Kidder Avenue	750	1905
6.	Lucy K. Hatch, 103 Glenwood Road	750	1892
6.	Catherine Heagney, 32 Sewall Street	700	1912
5.	Harriet F. Ward, 202 School Street	750	1895
5, 4.	Helen L. Galvin, Braintree	750	1903
4.	Eva M. Barrows, 469 Broadway	750	1903
4.	Bessie J. Baker, Malden	750	1905
3.	Harriet M. Bell, 34 Bow Street	750	1904
3, 2.	Clara L. Griffiths, 39 Ames Street	750	1902
2.	*Nellie R. Bray, Medford Hillside	750	1897
	Lynda V. Merrill, 26 Brastow Avenue	600	1912
1.	Priscilla A. Merritt, 96 Oxford Street	750	1885
1.	Mabel E. Mansir, 77 Albion Street	750	1894
Asst.	Mary L. Ennis, 785 Broadway	425	1911
MARTIN W. CARR SCHOOL.			
Beech Street.			
9.	CHARLES G. HAM, Master, Watertown	\$1,900	1898
9.	May E. Berry, 14 Billingham Street	825	1880
9, 8.	Clara D. Eddy, 71 Central Street	775	1902
8.	Mrs. Mary E. Soule, 39 Walnut Street	750	1901
7.	Harriet A. Hills, 14 Billingham Street	750	1874
7.	Mrs. M. Florence Eustis, 9 Monmouth Street	750	1906
6.	Marie T. Smith, 15 Day Street	750	1898
6.	Susie L. Luce, 21 Francesca Avenue	750	1896
6.	Leila L. Rand, 87 Raymond Street, Cambridge	750	1908
5.	Mary A. Haley, 117 Summer Street	750	1867
5.	Grace T. Merritt, 47 Cherry Street	750	1897
5.	Elizabeth S. Foster, 152 Summer Street	750	1895
4.	Katherine Pike, 152 Summer Street	750	1906
4.	Blanche L. Paine, 11 Landers Street	750	1905
3.	Mrs. Lillian M. Wentworth, 248 Highland Avenue	750	1911
2.	Annie B. Russell, 45 Russell Street	750	1901
1.	Pearl F. Dame, 1 Ellsworth Street	700	1906
Asst.	Lena Munroe, 211-A Summer Street	525	1910
Asst.	Mabel Ingham, 27-B Summer Street	275	1912

* Leave of absence.

TABLE 29.—Teachers in Service January, 1913.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
GIRLS' INDUSTRIAL SCHOOL.			
41 Atherton Street.			
	Mary Henleigh Brown, Director, Everett St., Cambridge	\$1,600	1911
	Cornelia B. Rodman, 15 Ellery Street, Cambridge	500	1911
	Helen C. French, 60 Adams Street	400	1912
	Mary Donoghue, 21 St. James Avenue	800	1911
	Julia Haley, 88 Prospect Street	700	1911
	Theresa Morrison, 8 Johnson Avenue, Charlestown	400	1912
	Lucy Dorr, 56 Westland Avenue, Boston	700	1911
	Marion P. Crawford, 124 Summer Street	800	1911
(ENOCH R.) MORSE SCHOOL.			
Summer and Craigie Streets.			
9.	MINA J. WENDELL, Master, 211-A Summer Street	\$1,900	1882
9.	Mrs. Harriette C. Hamilton, 219 Summer Street	825	1900
8.	Mrs. Clara A. Ball, 2 St. Paul Street, Cambridge.	750	1906
7.	Lennie W. Bartlett, 152 Summer Street	750	1893
6.	Blanche E. Thompson, 33 Hudson Street	750	1906
6, 5.	Mrs. Jennie E. Stevens, 9 Bradford Avenue	600	1912
5, 4.	Lizzie E. Hill, 40 Magnolia Street, Dorchester	750	1890
4.	Mrs. Elva A. Cutler, 12 Billingham Street	700	1911
4, 3.	Helen O. Locke, Everett	700	1912
3, 2.	Mrs. Agnes C. Rice, 9 Bradford Avenue	750	1900
2, 1.	*Grace S. Russell, 1097 Broadway	700	1900
	Elizabeth V. Frame, 84 Lincoln Street, Melrose	600	1912
1.	Helen L. Tuck, Revere	700	1912
GEORGE O. PROCTOR SCHOOL.			
Hudson Street.			
	HARRY F. HATHAWAY, Master, 495 Broadway		1912
7.	NORA F. BYARD, Principal, 27 College Avenue	\$950	1884
6.	Alice G. Hosmer, 42 Boston Street	750	1906
6.	Abbie A. Gurney, 4 Ossipee Road	750	1888
4.	Ella P. McLeod, Cambridge	750	1888
3.	Edith L. Hunnewell, 23 Milton Street	750	1894
2.	Mary S. Richardson, 13 Bartlett Street	750	1906
1.	L. Margaret Potter, 56 Norfolk Street, Cambridge	750	1905
GEORGE W. DURELL SCHOOL.			
Beacon and Kent Streets.			
4.	ABIGAIL P. HAZELTON, Principal, West Roxbury	\$825	1902
3.	Grace E. Packard, Cambridge	700	1912
2.	Mary Winslow, 23 Hall Street	750	1887
1.	Alice M. Dicker, East Boston	600	1912
MARK F. BURNS SCHOOL.			
Cherry Street, near Highland Avenue.			
7.	LAURA J. BROOKS, Principal, 31 Stevens Street, Stoneham	\$950	1888
Asst.	Mrs. Mary C. Buck, 12 Powder House Terrace	375	1899
6.	*Cara M. Johnson, Nantucket	750	1897
	Edith A. Maxwell, 17 Pleasant Avenue	750	1906
5.	Eva E. Perkins, 54 Benton Road	650	1911
4.	Mrs. Margaret D. Hellyar, Oak Street, Greenwood	700	1909
3.	Annie L. Brown, 283 Summer Street	750	1885
2.	Mary E. Lacy, 63 Cherry Street	750	1890
2, 1.	Ardelle Abbott, 71 Craigie Street	750	1896
1.	Alice E. Morang, 38 Cambria Street	750	1893

* Leave of absence.

TABLE 29.—Teachers in Service January, 1913.—Continued.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
BENJAMIN G. BROWN SCHOOL.			
Willow Avenue and Josephine Avenue.			
9.	GEORGE I. BOWDEN, Master, 92 Monument St., West Medford	\$1,850	1908
9.	Annie G. Smith, 59 Maple Street, Malden	825	1901
8.	Mrs. Phebe E. Mathews, 159 Morrison Avenue	750	1897
7.	Frances D. Way, Roxbury	650	1911
6.	Alice R. Gould, 12 Fosket Street	650	1911
5.	Annie Sanburn, 20 Ashburton Place, Boston	750	1906
5, 4.	Mary T. Ford, 26 Gibbens Street	750	1911
4, 3.	Ida M. Record, 5 Westwood Road.	750	1899
3, 2.	Alice M. Dorman, 159 Morrison Avenue	750	1903
2, 1.	Mrs. Grace H. Bliss, 180 Powder House Boulevard	750	1900
1.	Rena H. Wiley, 148 Boston Avenue	750	1906
HIGHLAND SCHOOL.			
Highland Avenue and Grove Street.			
9.	FRANK W. SEABURY, Master, 18 Winslow Avenue	\$1,800	1911
9.	Grace M. Clark, 10 Vernon Street, West Medford	825	1893
9.	Marguerite Burns, 15 Kidder Avenue	775	1907
9, 8.	Sarah E. Pray, 126 Orchard Street	750	1877
8.	Mary L. Bryant, 24 Hall Avenue	750	1903
8.	Mrs. Nellie G. Stewart, 1105 Broadway	750	1908
7.	Elsie M. Ross, 14 Irving Street	750	1908
7.	Elizabeth S. Smith, 58 Lowden Avenue	750	1912
6.	Lillian F. Richardson, 33 Wallace Street	750	1904
6.	Marie Clifford, 10 Mellen Street, Cambridge	750	1907
5.	Marion Allen, Danvers	700	1911
5.	Mary H. Joyce, 76 Boston Street	750	1891
5.	Marion A. Viets, 20 Windsor Road	650	1912
WILLIAM H. HODGKINS SCHOOL.			
Holland Street.			
9.	ARTHUR L. DOE, Master, 108 Packard Avenue	\$1,900	1896
9.	Edith W. Emerson, 135 Central Street	825	1896
8.	Alice S. Hall, 135 Central Street	750	1896
7.	Mrs. Gertrude W. Leighton, 26 Gibbens Street	750	1895
6.	*Beatrice A. Randall, 14 Oxford Street, Cambridge	750	1905
6.	Isabel M. Brunton, 19 Hanson Street	600	1910
5.	Flora A. Burgess, Arlington Heights	750	1894
5.	Catherine A. Burden, 28 College Avenue	750	1902
4.	Genieve R. Barrows, 52 Westland Avenue, Boston	750	1905
4.	Katherine M. Fox, Stoneham	750	1896
3.	Inez Prentiss, 27 Hall Avenue	650	1913
2.	Jennie M. Patterson, Mattapan	750	1903
1.	*Elizabeth L. Hersey, 4 Concord Sq., Boston	750	1896
1.	May V. Powell, 47 Centre Street, Malden	700	1913
1.	Nellie F. Wright, 897 Broadway	700	1912
CUTLER SCHOOL.			
Powder House Boulevard, near Raymond Avenue.			
9.	HARLAN P. KNIGHT, Master, 61 Putnam Street	\$1,900	1897
9.	N. Irene Ellis, 29 Newbury Street	825	1903
8, 7.	Elizabeth R. Henderson, 93 Ossipee Road	700	1912
7.	Katherine A. Breen, 471 Medford Street	700	1912
7.	Lilla E. Mann, 96 Wallace Street	750	1902
6.	Cora E. Crawford, 100 Huntington Avenue, Boston	650	1912
5.	Elinor Neilon, 14 Cambria Street	600	1912
5, 4.	Anna L. Brown, 14 Irving Street	700	1912
4.	Olevia M. Woods, 116 Powder House Boulevard	650	1908
3.	Eliza H. Lunt, 50 Curtis Street	750	1889
2.	Almena J. Mansir, 77 Albion Street	750	1899
1.	Annie H. Hall, 97 College Avenue	750	1906
1.	Edna F. Gordon, 10 Locke Street	700	1912

*Leave of absence.

TABLE 29.—Teachers in Service January, 1913.—Concluded.

Grade.	NAME AND RESIDENCE.	Salary.	Began Service.
MARTHA PERRY LOWE SCHOOL.			
Morrison Avenue, near Grove Street.			
	FRANK W. SEABURY, Master		1912
4.	MAY E. SMALL, Principal, 12 Day Street, Cambridge	\$950	1900
4.	Stella M. Holland, 46 Chester Street	750	1903
3.	Maude C. Valentine, 1098 Broadway	750	1901
3.	Mrs. Jane M. Taaffe, 159 Morrison Avenue	750	1888
2.	Katherine E. Hourahan, 27 Hall Avenue	750	1892
2, 1.	Clara G. Hegan, 100 School Street	750	1897
1.	Martha A. Jencks, 96 Orchard Street	750	1898
EVENING SCHOOL PRINCIPALS.			
	WILLIAM D. SPRAGUE, High	\$6.00	
	JOHN S. EMERSON, Bell	4.00	
	CHARLES E. BRAINARD, Highland	3.00	
SPECIAL TEACHERS.			
MUSIC.			
13-7.	S. Henry Hadley, 46 Pearl Street	\$1,700	1868
6-1.	Charlotte D. Lawton, 11 East Newton Street, Boston	1,000	1898
DRAWING.			
9-1.	Clara M. Gale, 5 Westwood Road	1,000	1911
SEWING.			
8-5.	Mary L. Boyd, 74 Heath Street	750	1888
8-5.	Emma J. Ellis, Kenneson Road	750	1900
8-5.	Bertha P. Paul, 23 Monmouth Street	750	1900
PENMANSHIP.			
9-1.	William A. Whitehouse, 182 Highland Avenue	1,500	1895
MANUAL TRAINING.			
	Harry L. Jones, 137 Powder House Boulevard	*300	1911
9, 8.	Kathinka Fessman, 40 Warrenton Street, Boston	800	1912
9, 8.	E. Christabel Ruggles, 268 Humboldt Avenue, Roxbury	800	1912
9, 8.	Eva G. Hardy, 64 Avon Street	800	1912
ATYPICAL.			
	Mary A. Holt, 72 Boston Street	825	1910

*Additional to salary as High School sub-master.

TABLE 30.—OFFICERS, ETC., IN SERVICE JANUARY, 1913.

NAME AND ADDRESS.	Salary.
SUPERINTENDENT AND SECRETARY.	
Charles S. Clark, 82 Munroe Street	\$3,500
CLERKS.	
Justin W. Lovett, 13 Hudson Street	1,300
Mary A. Clark, 42 Highland Avenue	800
Mildred A. Merrill, 26 Cambria Street	650
TRUANT OFFICER.	
Benjamin R. Jones, 25 Loring Street	1,350

TABLE 31.—SCHOOL JANITORS, JANUARY, 1913.

School.	Name.	Residence.	Weekly Salary.
High School, S	John H. Kelley	7 Madison St.	\$25.00
High School, assistant	Joseph Young	47 Oxford St.	19.50
High School, assistant	William H. Kelley	10 Lee St.	16.00
High School, assistant	Lewis G. Keen	56 Prescott St.	20.00
High School, fireman	Edwin Adler	22 Robinson St.	16.00
Prescott, S, 12	George A. McGunnigle	50 Pearl St.	17.00
Hanscom, S, 10	Thomas C. Dame	1 Ellsworth St.	15.00
Boys' Industrial, F, 4	George H. Clapp	35-A Franklin St.	12.00
Bennett, S, 12	Michael Mullaney	467 Somerville Ave.	17.00
Baxter, S, 6	Israel Winterbottom	2 Bolton St.	12.00
Knapp, S, 12	John H. Lane	5-A Belmont St.	16.00
Perry, S, 6	Henry C. Bradford	72 Boston St.	12.00
Pope, S, 12	John J. Kilty	662 Somerville Ave.	17.00
Bell, S, 12	William Meskill	53 Partridge Ave.	17.00
Cummings, F, 4	George W. Libby	215 Pearl St.	12.00
Edgerly, S, 12	Charles P. Horton	22 Everett Ave.	16.00
Glines, S, 14	Roy C. Burckes	249 School St.	18.25
Forster, S, 18	George W. Coombs	34 Tufts St.	18.00
Forster, assistant	Jerry M. Brennan	9 Pembroke St.	14.00
Bingham, S, 16	John F. O'Brien	347 Lowell St.	21.00
Carr, S, 16	James W. Rich	206 Highland Ave.	23.00
Morse, F, 12	John W. Cremen	69 Oxford St.	17.00
Proctor, S, 8	George Q. Marshall	19 Wesley St.	13.50
Durell, S, 4	Ellsworth C. Lundgren	50 Harrison St.	12.00
Burns, S, 8	Charles Gallaway	160 Hudson St.	13.50
Brown, S, 10	O. M. Pote	23 Howe St.	15.00
Highland, S, 12	E. Parker Cook	398 Highland Ave.	16.00
Hodgkins, S, 14	John Shea	22 Thorndike St.	17.00
Cutler,	Daniel Campbell	85 Lexington Ave.	20.00
Lowe, S, 8	John F. Richardson	190 Morrison Ave.	13.50
Girls' Industrial	George H. Griffin	25 Virginia St.	15.00

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

The high school is heated by a single plant in the East building.

PUBLIC LIBRARY.

BOARD OF TRUSTEES AND OFFICERS.

Trustees.

THOMAS M. DURELL, M. D.	FREDERICK W. HAMILTON, D. D.
J. FRANK WELLINGTON.	CHARLES M. AMBROSE.
FREDERICK W. PARKER.	GEORGE WHITING.
WILLIAM L. BARBER.	WILLIAM H. DOLBEN.
CHARLES L. NOYES, D. D.	

Officers.

THOMAS M. DURELL, M. D.	President
DREW B. HALL,	Secretary

Committees.

Administration—Wellington, Parker, Noyes; the President.
Books and Catalogues—Barber, Hamilton, Ambrose; the President.
Buildings and Grounds—Whiting, Dolben; the President.

REPORT OF THE TRUSTEES.

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

Gentlemen,—The fortieth annual report of the trustees of the public library is herewith respectfully submitted.

The year has been marked by great activity and the attainment of excellent results for our entire library system.

The great need of a new and modern central plant for the successful operation of this large and ever growing educational activity is being met by the erection of the new Central Library building. This building was made possible by the generous gift of Mr. Andrew Carnegie—\$80,000—together with \$45,000, an allowance made by the city as the cost of the old building. The new building will be ready for occupancy in the fall of 1913.

During the year 4,700 new borrowers' cards have been issued and \$11,670 spent for books. We are glad to note that there has been an increase of eight per cent. in the circulation of non-fiction, and a much greater use of the reference works in the whole system.

During the year there has been reorganization of the staff, with the addition of many valuable heads of departments, strengthening the force very appreciably. A long contemplated extension of the classification of the books of the library is in process, under the direction of an expert cataloguer, and in connection with this the selection of the forty thousand volumes to be placed in the book room of the new building is being made.

The branch at West Somerville is doing, we believe, increasingly effective work; its staff has been much strengthened by the employment of an experienced head and assistant. The need is such that the hall room has been used as a quiet reading room. With comparatively little expense this might be made a very desirable room, dormer windows would give light and the needed ventilation, now impossible. In the near future the stack room should be extended in the rear of the building, as was provided for in the original plans.

The new branches at East Somerville and at Union Square have been most successful and useful. At East the circulation the first eleven months was 52,000, and at Union 35,000 volumes in ten months. Both of these branches are so overcrowded that it is evident more space must be provided in the near future. Union is doing especially good work in reaching the young men, and East has developed a large con-

stituency in its neighborhood. Both of these branches have good executive heads.

The criticism is sometimes made that a large percentage of books taken from a public library are works of fiction. This is true, but certainly the reading of good fiction is at least a harmless amusement. Now, if this is all the reading of fiction does, the library system has furnished over \$400,000 worth of amusement to the people of Somerville during the past year, or ten times the amount of money spent on the whole library system. Further than all this the reading of good fiction does much more than amuse. To see that nothing but good fiction reaches the public through the library is the constant care of the board.

We wish to express our thanks to the librarian, Mr. Hall, for the excellence of his work, and also to the other members of the staff for their hearty co-operation.

Respectfully submitted,

T. M. DURELL,
President.

THE PUBLIC LIBRARY.

Central Building, Highland Avenue.

Week days, holidays excepted, 9 a. m. to 9 p. m. Sundays, reading and reference only, 3 to 6 p. m. Children's room, school days, 3 to 8 p. m.; other week days, 9 a. m. to 8 p. m.; Sundays, 3 to 6 p. m.

Branches.

Week days only, holidays excepted.

WEST SOMERVILLE, 40 College Avenue—1 to 9 p. m. Saturdays, 9 a. m. to 1 p. m., also.

EAST SOMERVILLE, 153 Perkins Street, 2 to 9 p. m.

UNION SQUARE, Washington Street and Bonner Avenue—2 to 9 p. m.; after 6 p. m. children under fourteen admitted only for exchange of books.

SOUTH AGENCY, 518 Somerville Avenue.

THE STAFF.

DREW B. HALL, Librarian.

NELLIE M. WHIPPLE, Assistant Librarian.

EXECUTIVE AND DEPARTMENT HEADS.

Lucy B. Crain, Branch Librarian, West Somerville.

Edith B. Hayes, Branch Librarian, East Somerville.

Esther M. Mayhew, Cataloguer.

Gertrude F. Root, Second Assistant Librarian.

Lucinda F. Spofford, Branch Librarian, Union Square.

Mabel E. Bunker, Reference and Art Librarian.

Bessie L. Duddy, Stenographer and Bookkeeper.

Anna L. Stone, Children's Librarian.

Mabel Williams, Assistant Branch Librarian, West Somerville.

Mary S. Woodman, School Librarian.

ON SPECIAL, TEMPORARY APPOINTMENTS.

Frances Rathbone Coe, in charge of extension of classification and catalogues.

Ruth B. McLean, Cataloguing.

SENIOR ASSISTANTS.

Bessie S. Cobb, West Somerville. Ethel M. Nute, Union Square.

Marion Lovis, Cataloguing. Ruby G. White, East Somerville.

A. Myrtle Merrill, Cataloguing.

JUNIOR ASSISTANTS.

Susan W. Curtis.

Juliana Donovan.

Ruth S. Fales.

Zoe E. Nelson.

Myrtle Nicholson.

A. Lisette Parker.

Helen Spear.

Anna B. Truesdale.

Edna C. Woodbury.

MESSENGERS.

Joseph K. Kelleher.

Hugh E. Maguire.

HIGH SCHOOL ATTENDANTS AND PAGES ON PART TIME.

Elsie Abrams.	Richard Barlow.
Ruth Alexander.	Gordon Hall.
Beulah C. Church.	Edgar L. Kaula.
Arline Maxwell.	Ronald Moore.
Alice A. Meehan.	Harold Ruggles.
Marion Parker.	Frank C. Stackpole.
Marion Towle.	Robert L. Stevenson.
Velma Ziegler.	Richard J. Trum.

JANITORS.

Under the Commissioner of Public Buildings.

Charles A. Southwick, Central.
Thomas F. O'Day, West Somerville Branch.
George A. McGunnigle, East Somerville Branch.
James Wall, Union Square Branch.

REPORT OF THE LIBRARIAN.

To the Trustees of the Public Library of the City of Somerville:—

Gentlemen,—The fortieth annual report of the librarian is herewith submitted, being that for the year 1912.

The Ministry of Libraries.

The service rendered the people of a city by its public library is a ministry of comfort, knowledge, and inspiration. Its possibilities are yearly becoming greater as all people are increasingly accustomed to use printed matter, and as all subjects of human interest are more and more treated in books. To-day everyone must be able to read, and must read if he would succeed. To-day practical everyday interests are set forth in magazines and books, so that the mechanic and workman who would be at the top of his trade must use them. In matters of the spirit the great thinkers of the past are continually appearing in new editions, and every modern student and investigator is immediately put into print. So numerous have become books that no individual of ordinary means can own all he needs and sometimes uses, nor does he know which hundred of the thousands in print are of value and authority.

To meet this situation the public library was created, and in the last thirty years has grown marvelously. Yet this growth and the present service rendered, great as they are, seem but beginnings to those most intimately acquainted with the work and its possibilities. For the progress of the people of a city or state is dependent upon their taking advantage of the experiences of others and learning by their failures and successes, and nowhere are successes to be found and their causes to be learned as in books.

The present generation of adults was not in its youth accustomed to this great and practical use of books, and the rising generation is not yet well instructed, still the demands upon active public libraries are greater than they can meet. As soon as suitable books and assistants capable of answering questions promptly and wisely are provided, such a room is overwhelmed. And this demand is not by any means only for the comfort and recreation to be had from good novels; better opportunities to use serious books always result in an unexpected increase in their use. For no other institution to-day is so much concerned with the "transmission among the people of our intellectual and spiritual inheritance, which is education." The schools do nothing for adult citizens, and "to the great majority of juvenile citizens who early go to work, the best they give is the ability to read—the means to

self-education." The incentives to, and the subject-matter for, self-education lie largely within the field of the people's library.

A certain shrewd Scotsman believes his native ability was stimulated during his poor youth by the reading of books in the private library of a Pittsburgh gentleman opened to him. Believing this he also believes that in no way can he serve the world so wisely as by giving buildings as public libraries wherein all people may freely read and their genius be stimulated by the thoughts and experiences of other minds. His gifts are bringing nearer the vision of another far-seeing Scotsman who said:—

"It depends on what we read after all manner of professors have done their best for us. The true university is a collection of books."

The fully developed public library will be, for adult as well as for youth, the culmination of public education. When it is noted that it is the youngest of public institutions, and that its growth during the single generation of its wide acceptance has been wonderful, it seems not unreasonable to hope for the realization of this vision within another generation.

The Somerville Public Library.

The particular library so long watched over by your honorable board is an instance of these statements. It has upon its rolls the names of 35,000 citizens, appearing in this to reach most intimately and completely the people of the city. It has in its various collections of books about 110,000 volumes, any one of which is at the service of any borrower. By these borrowers there were taken home last year half a million volumes. By these citizens thousands of questions were asked, and from these books answers were given. What the influence upon the city of all this was no one can tell, except that it was very great. That the people appreciate the greatness of this service is evidenced by their demand for it and their willingness to support it.

Its Efficiency and Economy.

For instance, the branches at East Somerville and Union Square, opened this year, have from the first been hardly able to meet all applicants in the way your board desires, and not at all able to meet all of their requests. That the \$4,400 appropriated for these two branches by the city was a wise expenditure of the people's money and an instance of the value of the co-operative principle of public libraries is evident from the following facts: The people of these districts are borrowing and receiving the use of 100,000 volumes a year; the average book costs now over one dollar. The reading of 100,000 volumes on the basis of private ownership would

therefore have cost these citizens \$100,000. But through the public library they received this service, and more, for \$1,400. Or, reckoning on another basis, there are in this part of the city about 4,500 registered voters, so that the expenditure which gave their families the use of 100,000 volumes was less than a dollar per voter.

Testing the library system as a whole on the basis of a total population of 80,000 the expenditure is less than fifty cents per annum per capita; the home use is over 500,000 volumes; the result, less than one cent per inhabitant per 10,000 volumes circulated. And beyond this there is the great mass of unenumerated services in reference work and personal assistance.

On a commercial basis, therefore, it would seem that a public library is a city's best paying institution. For it takes a dollar and increases its effectiveness ten, or twenty, or thirty fold.

The Three Requirements.

The educational and practical necessity of the public library and its financial economy have been pointed out, and must be admitted. To attain these ends in the best and most economical manner there are required three things: First, suitable buildings and apparatus to do work efficiently. And since a library is the one institution of a city representing matters of the mind and of the spirit, which all the citizens, young and old, use continually and feel to be their own, it is universally admitted that the building should be beautiful as well as "practical."

Second, more important than buildings are the books. For centuries books have been written and published until their number is legion, the greatest libraries containing millions of volumes, and never was the output greater than to-day, approaching in a year 30,000 titles of bound books in the English language by prominent publishers alone, besides as many more in foreign languages. Of this vast number of new and old, a comparatively small number are of constant interest to the users of a public library. Selecting and preparing and making available by catalogues this smaller number has come to be an exact science and their skilful use a profession. Inaccurate books and out-of-date editions are worse than none; duplication of matter already owned in one volume is wasteful and confusing; lack of the best book upon a subject is sure to cause delay, disappointment, and sometimes loss to both inquirer and library. Libraries, therefore, must be chosen and arranged with such care as never before.

Third, the building is the body, the books are the mind, but there must be a heart and spirit informing and giving life

and purpose to the whole. This is the function of the library staff, sympathetic, well educated, and professionally competent persons devoted to the great work of giving to and making appreciated by all people the comfort, the learning, and the inspiration to be had from books.

The special attention given to these three requirements has made this year one of unusual activity, even beyond that naturally due to the opening of two new branches.

New Central Building.

A movement begun in June, 1911, to obtain a new central building for the city came to fruition early in this year. And it appears not a moment too soon for the good and convenience of other city departments, since the land and building now occupied by the Library have in the course of time come to be invaluable for City Hall and high school expansion.

Mayor Burns and the city government, after thorough investigation of the present building, and of the possibilities of increased usefulness promised by a new one, accepted an offer of \$80,000 from Mr. Andrew Carnegie and to it, by unanimous action, added \$45,000 as the value of the present building. Though this sum of \$125,000 is not large for a central building in a city the size of Somerville, it will provide a beautiful and convenient structure to house 200,000 volumes and afford seats for 225 readers. Action was taken immediately, and Mayor Burns, acting on the advice of an advisory committee, shortly appointed as architect Mr. Edward L. Tilton, of New York City, who has an enviable reputation as an architect of library buildings, founded upon his successful structures in Springfield, Cleveland, New York, New Jersey, and in more remote cities of the West and South. In consultation with the librarian and committee Mr. Tilton drew up plans, which were accepted in June, and in accordance with which the general contract was let on July 15 to the Kennedy & Peterson Construction Company of Boston for \$98,000. Orders for material were immediately placed, and ground broken in September. The masonry walls are practically completed, and two weeks of good weather will see the roof in place. It is expected that the structure may be occupied in the fall of 1913. In connection with this work the librarian has had a great mass of correspondence; has spent a considerable part of his time on the administrative details of the plans, and has made four trips of from one to three days each to New York, three trips to consider the Springfield building, besides numerous shorter ones in the vicinity of Boston. And as the builder's work has progressed he has gone over it considering how various parts would work together for smooth and efficient administration,

suggesting during this process of erection certain of those minor changes which do not affect the builder's progress or architectural features, but which do make all the difference between comfortable and uncomfortable use of the structure during all the years of its usefulness.

The Second Requirement, Book Selection.

The selection for the open shelves of the more useful, up-to-date books, the extension of the classification and revision of the catalogue desirable for many years was begun in October. To select these 45,000 volumes for the open shelves of the main Book Room of the new building, determining carefully those of the most value, to subdivide them into classes just inclusive enough to be most useful, and to adjust the library's official records and public catalogues to the extension, is a task which would ordinarily occupy three expert cataloguers upwards of three years. But the attempt is being made to accomplish the work in one year with two such cataloguers and such piecemeal help as may be available from the regular staff. As the seniors of the staff are more than busy with the greatly increased regular work, practically all of this assistance must be rendered by the younger members and apprentices, who are unskilled and whose technical education has taken, therefore, a very considerable portion of the time of Mrs. Coe, who has charge of the work.

Careful figures show the cost of the copy to be six cents per title, and of the preparation (from this copy) of the catalogue cards by typewriting to be less than two cents each. Making the copy includes establishing the proper form of the author's name, extending the classification, giving Cutter numbers, and assigning subject-headings, and cross-references; making the cards includes filing in the official and public catalogues. The books figured on, covering collected biography, religion, philosophy, and sociology, are "particular" in nature, and called for many analyticals and subject headings.

The Third Requirement, the Staff.

The remaining matter of unusual interest has been the reorganizing and re-adjusting of the library workers to meet the needs created by the two new branches, and the desire of the trustees steadily to improve the service, especially in personal attention given inquirers. Certain new positions have been created, a few vacancies filled, and certain re-assignments of work made which seem to be toward the desired end. The "Scheme of Service" adopted a year ago promises to aid in this awakening and strengthening process. The whole matter must be one of education, the development of new ideas and

of new ideals of service. It is, therefore, one which does not show immediate or strikingly visible results such as the handling of 45,000 volumes and the re-building of a catalogue, or, even more strikingly, the erection of a beautiful and convenient building, but it has, nevertheless, taken more thought and time and strength than the two requirements concerned with material things, for it concerns the mental equipment and the spiritual attitude of a considerable number of human beings.

New Branches.

The best work a library does is through personal attention at points where readers may ask assistance from well-informed, tactful, and helpful members of the library staff. The life and habits of to-day limit people pretty closely to a radius of less than a mile. Branch libraries at convenient distances apart are, therefore, being demanded and greatly patronized.

On February 1 a rented store of about twenty-five by fifty feet floor area was opened as the East Somerville Branch; it has shelving for about 2,200 volumes and seats for twenty-three persons. Its success was immediate, its chairs usually filled, and its issue of books exceeding 300 a day at times, and approaching a yearly output of 60,000 volumes.

On March 4 a room about forty feet square in an abandoned schoolhouse was opened as the Union Square Branch; it accommodates about 2,500 volumes and sixty readers. Its patronage is noteworthy for the great proportion of readers in the building; a much smaller per cent. drawing books for home use than at West or East Somerville. Still its circulation for ten months promises a yearly use exceeding 45,000 volumes.

Both these branches are giving most excellent service: as excellent for their opportunities and communities as the older institution at West Somerville, though it issues 130,000 volumes annually. Each is in charge of a competent branch-librarian; each is doing work of high and continually improving quality, and each is multiplying by twenty-five fold every dollar of appropriation.

Some member of each branch staff is every morning at Central to look up questions asked at her branch the day before and not answerable from its books or by telephone. This "interchange" system keeps Central and branches in close touch and gives "Central" service to the branch communities. During the summer and fall over 2,500 such "interchange requests" were made and answered. (See Appendix G, No. 10.)

Accessions of Books.

Nine thousand seven hundred and seventy-five volumes were added during the year and 5,939 worn out and withdrawn, leaving a net addition of 3,836, which brings the total to 107,702. Of these additions about 4,500 volumes were fiction, 600 volumes literature, 600 volumes history, 475 volumes fine arts, 275 music, 325 volumes science, 550 practical arts, 350 volumes of biography, 400 volumes of travel, 175 volumes religion, 300 bound periodicals, 125 volumes philosophy, and 1,200 added to the school library to replace 900 discarded. The catalogue department has worked under unusually difficult conditions by reason both of the great number of new books and of the disturbance inevitably accompanying a revision. The demand of the two new branches for catalogues could not be met, so that, although circulating 100,000 volumes, they are getting along as best they may with only one record, the shelf-list. As all the cataloguing and other processes of record are carried on at Central it is evident that the cataloguing staff must be larger than a few years ago when half the present number of volumes were handled by it, and no branches required duplicate records.

Registration of Borrowers.

The number of persons on our register having reached 33,000, and a considerable number of errors and inconsistencies developing, it has seemed best to re-register on a system which will call automatically for a checking up and verifying of the record every two years hereafter. This registration has now been in operation for some weeks, and is giving us an accurate and carefully verified list of names of borrowers, containing among other data the proper title by which to address a person through the mails. Citizens confined to their homes by illness or old age will be visited by an assistant and registered there. To keep this record in this manner requires the entire time of one person, and in the busy season will take more. During this year 4,770 new borrowers applied for cards, 1,785 at Central, 1,253 at West, 898 at East, 834 at Union Square.

Special Cards.

Special vacation cards were not issued this year, but every card holder was allowed to take the ten books on his regular card which have previously been allowed on the special card. Thus this convenience heretofore granted only 400 persons was made available to all the library's card holders. And it was generally appreciated.

Two other sets of special borrowers' cards were abolished

in December to the convenience of both the public and the staff. These were the so-called Teachers' cards and Special Students' cards, which granted their holders ten volumes of non-fiction for a month instead of the old regular allowance of two volumes of non-fiction for two weeks. A year ago the number of volumes for any borrower was extended to "any reasonable number," and now the time limit is extended from a fortnight to a calendar month. So that now all of the library's thousands of borrowers may use its contents as freely as a limited number of "Specials" heretofore. The librarian believes, and his observation and experience strengthen his belief, that what is good for one may come to be appreciated by all, and that the fewer unusual and special rulings an institution makes the better.

Use of Books.

After books have been selected, and what is judged to be the proper number of copies ordered, received, checked up, put through the various processes of recording on the shelf-list and the public catalogue, of stamping, of book-plating, and of preparation for circulation, and have been placed before the citizens of the city, and after these citizens have registered their names and become possessors of borrowers' cards, after all this preparation comes the use of books. This use falls into two divisions, home use and use within the building, which is chiefly reference work and the reading of periodical literature.

The keeping of accurate record of this use within the building, requiring as it would the time of a special assistant, is not usually deemed feasible, but there is no doubt that during 1912 there has been a gratifying increase, especially since the middle of the year, when the reference collection was moved downstairs and two additional tables were provided in the space formerly occupied by the "return" desk. Especially has this change facilitated the strictly reference or studious use of books by bringing the reference librarian within easy reach of the people, and also of the books of a studious character in the north stack. Among these books are the thousands of volumes of bound periodicals indexed in Poole's index. The dozen volumes comprising the Poole set were kept as a part of the Reference collection in the room upstairs, and so were entirely dissociated from the periodicals to which they form the key. Together with this increase in reference work there has been a very considerable increase in advice or counsel rendered borrowers in the choice of books of general reading for home use. Accompanying these two lines of activity there has been, during the last half of the year at least, an increase of eight per cent. in the number of non-fiction borrowed.

Home Use.

In the home use of books the most marked event has been the expected development of a large new business at the new branches at East Somerville and Union Square; although they have been open but about ten months their combined circulation has been 87,000, or at the rate of 100,000 a year. And this besides all the great amount of service they have rendered the citizens of these neighborhoods as centres for the reading of papers, periodicals, and books, and for advice and reference work. At West Somerville there has been an increase of several thousand volumes, carrying its circulation well over 130,000. But here as elsewhere a noteworthy fact is the tendency toward what is commonly known as "better" reading; a tendency stimulated and nurtured by the improved personal attention to borrowers made possible by another assistant, and by further training of the whole staff.

At Central the recorded circulation decreased somewhat, but less than the opening of East and Union had led us to expect; the falling off was 4,800, but against this loss to Central was the above-mentioned gain of 87,000. Despite the great work of two new branches the adult department at Central made a gain of 9,000, which was, however, offset by a loss of 15,000 in the children's department. This is a loss of twenty-five per cent., but doubtless it is in this department that the effect of the branches would first be felt. The total of actually counted circulation is 432,476; if to this is added an estimate of the use of the books on deposit at the "old" rate, amounting to over 160,000, the grand total on the "old" basis is little short of 600,000, an increase of thirteen per cent. (See Appendixes B and C.)

Publicity.

There have been printed in the local press sixty-three notices concerning the library of from three lines to two columns each, not including weekly lists of new books of from a quarter of a column to a column in extent issued in the Somerville Journal; a total of over 100 great and small advertisements of the system. Since the issue of these weekly book lists the old monthly bulletin has been changed to a quarterly, which is less expensive for the library and gives a larger display of new books on any subject than the monthly plan, while the weekly lists give more timely notice of new purchases. Beside these local press notices there have appeared in the professional library journals notes from time to time concerning the staff and the library and one reprinting in toto the "Scheme of Service." (See Appendix E.)

General Administration.

The administrative side of the institution has made progress toward increased efficiency, I think.

The object of the "Scheme of Service" is, of course, to obtain for the citizens of Somerville who support the library, the services of the most competent persons to be had. Under it, in effect, applicants and members of the staff appoint and promote themselves; the Administration Committee really watches over and guides this competitive self-appointing. It requires that everyone who desires to serve the citizens in a library position shall show in writing and in experience her suitability. Their local knowledge is greatly to the advantage of Somerville girls, and more have been added to the staff than in any previous year; to the annoyance of the Administration Committee and of the Librarian, no experienced library-workers (not already employed by the library) have applied from the city, or have been discovered by notices and inquiries addressed to educators and public men. To encourage applications from those who have gone beyond the high school, college-trained young women, who complete the usual apprentice course, are on appointment to the staff given advanced standing and salary as of the third year. The Committee and Librarian feel that library work has now grown to be a profession worthy the serious attention and educational preparation of young women who are interested in people and learning, and in making books useful and inspiring.

They shall be chief that prove themselves most forceful and helpful, that are self-giving, not self-seeking, that bring the deepest knowledge and broadest sympathy.

The staff of a public library must be prepared without a moment's notice to point out the answer to a question concerning anything under the sun, or to produce or to give information about any one of the two or three hundred thousand books in print; it must serve young and old, learned and unlearned, pupils and teachers. Such service requires staff members as naturally able, as tactful and helpful, and as carefully educated as those other servants of the city who minister in the schools to the juvenile citizens alone.

A Schedule of Operations has been drawn up and a beginning made toward more complete accounting methods of the time spent on various operations and their cost. (See Appendix F, No. 3.)

Professional Advancement.

The library was represented at the Chelsea meeting of the Massachusetts Library Club on January 25 by a dozen members of the staff in attendance at one or more of the three sessions; at its annual meeting in Springfield on June 6 and 7 by the assistant librarian and three branch librarians; and at

the fall meeting in Haverhill on October 24 by seven assistants as delegates, as well as by Principal Emerson of the Knapp school and Mrs. Emerson, the librarian, assistant librarian, and the branch librarians.

The international conference of the American Library Association in Ottawa, Ont., June 26-July 2, at which 700 library workers from Canada and the United States were present, was attended by the librarian. The addresses and discussions and section-meetings were animated and valuable; the whole considering this "point of departure for the programme: Should not the library, neglecting no other service, make very certain that it fulfills its own unique task, that is, to provide and to make known the sources of joy? As each man's rainbow is his own, and he starts on the quest led by a gleam, never driven by a command. To awake, to stimulate, to develop the power of taste is to develop the individual. When we do what we choose to do, because to choose gives joy, the process becomes one of the most potent causes, if not *the* most potent in that unfolding of personality which is education."

There have been weekly conferences between the librarian and the executive heads in direct charge of Central and the branches; regular weekly appointments for quarter hour periods with the librarian for each of the several heads of departments; and general meetings of the entire staff. These meetings are developing into a regular monthly series in which various members of the staff will take an increasing part and in which the subjects for discussion will be increasingly literary and studious.

Beside these professional meetings there have been during the Fall three delightful social gatherings. The first, on Hallow'en eve, was tendered by the staff at West Somerville. The second was arranged by Mr. George Whiting as an inauguration of the use of the upper room at West Somerville; the Trustees, his Honor the Mayor and Commissioner of Buildings Littlefield were all in attendance as well as the members of the staff. And at the very end of the year the regular interchange of modest Christmas remembrances among members of the staff took place very happily at the home of a retiring member, Miss Spear.

Under the incentives offered by the Scheme of Service, several assistants have pursued courses of study. The Simmons College Library School summer course was taken by Misses Curtis, Donovan, and Nute; and Miss Parker a partial course. Miss Cobb has enrolled in the same school for its Sophomore course in reference work running to next June. Miss Crain and Mrs. Spofford are engaged with special courses in German, and in the Appreciation of Music, at Boston University. And Mrs. Coe has given, on invitation, special lec-

tures to the library school classes of Simmons College, of the New York City public library and of Pratt Institute, Brooklyn.

To the members of the staff, and their co-operation and earnest endeavor, are due the accomplishment of the year, and to them are indebted the Librarian, the Trustees, and the citizens.

For years you gentlemen as Trustees have watched over its interests and guided the institution. The past twelve months have seen no diminution in your care or in your freely rendered service. It is this sort of faithful service, cheerfully given, unrewarded, and for the most part unappreciated, which keeps such an institution of "light and leading" steadily on its mission. And I should like to suggest that emphasis be placed upon the unity of all persons, trustees, staff, and others engaged in this common effort to make the learning, inspiration and comfort that is to be found in good books available to the 80,000 citizens of Somerville.

Very respectfully,
DREW B. HALL,
Librarian.

December 31, 1912.

APPENDIX A.
Volumes and Accessions.

	Central.	West.	East.	Union.	Total.
January 1, 1912	93,300	10,566	B	B	103,866
New titles added	3,056	768	426	812	5,062
Duplicates added	3,342	549	389	433	4,713
Volumes gained	6,398	1,317	815	1,245	9,775
Active entries on Shelf- list	99,698	11,883	815	1,245	113,641
Worn out	4,077	1,809	4	49	5,939
Actual contents Decem- ber 31	95,621	10,074	811	1,196	107,702

B Volumes loaned from the Central collection largely stocked the shelves of these branches at their opening; as the shelves fill with new additions this stock will be retired to Central.

APPENDIX B.

Deposits.

Volumes on Deposit from Three Months to a Year.	
In 162 Schoolrooms	6,497
In Sunday Schools, Clubs, etc.	1,471
Total out on deposit	7,968
Circulation, estimated on "old" basis that each volume is used once during each fortnight it is on deposit	164,681

APPENDIX C.

Circulation.

	Fiction 68 per cent.
Central	214,847
West	130,672
East	51,863
Union	35,007
Actual count	432,476
Deposit estimate	164,681
Home use on "old" basis	597,157

**APPENDIX D (Financial Statement, 1912).
CENTRAL INCLUDES AGENCIES, DEPOSITS, AND CATALOGING, ETC., FOR BRANCHES.
CITY APPROPRIATION (RECEIVED AND EXPENDED BY THE TRUSTEES).**

RECEIPTS.

	Central.	West.	East.	Union.	Total.
City Appropriations	\$21,900 00	\$5,500 00	\$1,750 00	\$1,750 00	
	.....	.....	250 00	500 00	
	.....	.....	.....	150 00	
Books Lost	29 74	.....	.....	.....
Totals	\$21,929 74	\$5,500 00	\$2,000 00	\$2,400 00	\$31,829 74

EXPENDITURES.

	Central.	West.	East.	Union.	Total.
Books	\$4,948 31	\$2,030 09	\$542 42	\$878 69	\$8,399 51
Music	379 22	113 24	.....	.....	492 46
Periodicals	722 99	141 83	17 55	128 77	.....
Periodicals for West	223 95	.....	.....	.....	.....
Periodicals for East	97 95	.....	.....	.....	.....
Periodicals for Union	99 35	.....	.....	.....	1,432 39
*Total	\$6,471 77	\$2,285 16	\$559 97	\$1,007 46	\$10,324 36
Binding	1,448 42	539 02	.....	.....	1,987 44
Printing and Stationery	660 69	13 00	13 02	9 95	696 66
Services	11,187 58	2,567 33	1,376 73	1,309 27	16,440 91
Express, Postage, and Telephone	332 92	26 51	24 44	23 74	407 61
Sundries	1,828 34	68 97	25 83	47 96	1,971 10
Totals	\$21,929 72	\$5,499 99	\$1,999 99	\$2,398 38	\$31,828 08
City's Appropriations to Commissioner of Public Buildings for buildings maintenance	3,532 98	1,705 95	785 60	610 07	6,634 60
Total Expenditures of Public Moneys, TRUST FUNDS: ADDITIONAL BOOK EXPENDITURES.	\$25,462 70	\$7,205 94	\$2,785 59	\$3,008 45	\$38,462 68
	\$1,038 49	\$65 02	\$145 05	\$97 06	\$1,346 52

*Additional expenditures of \$1,346.52 for books from Trust Funds Income makes the total for printed matter \$11,670.88, and for all accounts \$39,809.20.

APPENDIX E.**Scheme of Service.****ARTICLE I.**

1. The staff of the Public Library of the City of Somerville shall be appointed, promoted, and retained for educational and technical qualifications and efficiency.

2. No relative or member of the family of a trustee shall be employed in any capacity.

3. The staff shall be under the direction of the Librarian, subject to the Board and its committees.

4. Staff meetings will be held and lectures given from time to time. The members will be given every opportunity consistent with the regular library procedure to study the theory and practice of library science in libraries and in Simmons College or other library schools.

5. The members shall be divided into a Non-Graded and a Graded service, as follows:—

ARTICLE II.**NON-GRADED SERVICE.**

1. The Non-Graded service includes the positions of Librarian and Assistant Librarian, which shall be filled by election by the Board of Trustees as it from time to time may determine;

2. Stenographers, apprentices, pages and helpers in positions involving simple routine duties.

ARTICLE III.**GRADED SERVICE.**

1. The Graded service includes employees, except as above, in whom efficiency requires knowledge of library science and experience in its practice.

2. Positions in the Graded service are divided as follows:—

Grade 1, Branch librarians, heads of departments, and specially experienced or trained assistants, of whom are required independent responsibility and initiative in executive positions and specialized duties.

Grade 2, Senior assistants. Of special experience, skill, and judgment, and capable of fixed responsibility.

Grade 3, Junior assistants. Of some training and acquaintance with library technique, and capable of skilful discharge of routine duties.

Grade 4, Apprentices.

3. Appointments to any grade are to be made by the Board of Trustees, upon recommendation of the Administration Committee and Librarian, from the list of eligible candidates as provided below.

4. Candidates for appointment must possess general and personal qualifications satisfactory to the Administration Committee and Librarian, and receive 75% or over in examinations appropriate to the several grades and positions, and except in the case of candidates for Grade 4, in "experience ratings" based on actual library work.

5. Candidates for appointment to Grade 1, unless they be graduates of recognized library schools, must have been engaged in library work in approved institutions at least three (3) years; to Grade 2, at least two (2) years; to Grade 3, at least three (3) months.

6. Candidates on an eligible list who decline an appointment when offered will be dropped from their standing in the list.

ARTICLE IV.

EXAMINATIONS AND EXPERIENCE RATINGS.

1. Examinations for candidates for any grade shall cover both educational and technical subjects appropriate to the several positions, and be held from time to time as the library service may require.

2. Examinations shall be open to members of the library service in the same or the next lower grade, and to such other persons as may satisfy the Administration Committee and Librarian of their fitness.

3. Examinations, in the main, shall be written, and the papers ranked by the examiner without knowledge of the candidate's identity; and all marks shall be subject to revision by the Administration Committee.

4. "Experience ratings" shall be based upon the records of the candidates' work, the reports made by the superiors under whom the work is done, and the observations of the Administration.

5. The final mark determining eligibility shall be based, 40% upon the examinations, and 60% upon the "experience rating."

ARTICLE V.

APPRENTICES.

1. From time to time candidates will be admitted to Grade 4, Apprentices, for the purpose of receiving elementary instruction, and an "experience rating" based upon its practice.

2. Such candidates must have had the equivalent of a high school education, possess the required general and personal qualifications, be in good health, and between 18 and 25 years of age, and pass an entrance examination based upon the high school curriculum.

3. Apprentices will serve for three (3) months, without pay, the regular schedule of 40.5 hours per week; the instruction and experience received being deemed an equivalent to the service rendered. Apprentices whose work is unsatisfactory to the Administration Committee and Librarian may at any time be advised to withdraw.

4. Those who receive 75% or over in the "experience rating" and in the technical examination at the end of the apprenticeship become eligible for appointment to Grade 3, but no appointment is in any way promised or guaranteed.

ARTICLE VI.

SALARIES.

1. The salaries of the Librarian and Assistant Librarian shall be fixed by the Board of Trustees as it may from time to time determine.

2. The salaries of other persons in the Non-Graded service shall be fixed by the Board, upon recommendation of the Administration Committee and Librarian.

3. Salaries in the Graded service shall be as follows:—

Grade 1,	\$650 to \$900	per annum.
" 2,	\$540 to \$600	" "
" 3,	\$360 to \$480	" "
" 4,	No salary.	

College graduates entering Grade 3 shall receive \$500 their first year and increases in regular course.

4. The salary first received by an appointee shall be the lowest salary for the grade; except that the Board may fix a higher salary when recommended by the Administration Committee and Librarian for special qualifications and responsibilities.

5. A member of the staff whose "experience rating" for one year is entirely satisfactory may be given an increase in salary of \$60 for the

following year in the same grade; but such an increase shall not be beyond the salary limit of that grade, and shall rest wholly in the discretion of the Administration Committee and Librarian.

6. Absences within the year of more than a week in excess of the vacation allowance shall delay for a like time the date of this increase.

ARTICLE VII.

VACATIONS AND ABSENCES.

1. Two vacation periods will be allowed annually without loss of pay; one of three weeks between June and October, the other of one week during the winter.

2. Occasional absences of a few hours for social or business reasons may be allowed by the Librarian; and conversely a few hours extra service may be asked in case of emergencies. These facts will be considered in determining "experience ratings."

3. Absences exceeding a week shall be brought to the attention of the Board, and action upon the salary allowance taken by it upon recommendation of the Administration Committee and Librarian.

ARTICLE VIII.

HOURS.

1. The hours are 40.5 per week, divided into eleven (11) periods, nine day and two evening, not exceeding two periods being required in one day.

2. Regular schedule A follows; two similar schedules B and C are made by moving the arrangement of hours down one and two days, respectively, so that the days with evening periods fall on Tuesday and Friday, and on Wednesday and Saturday.

- 3. Schedule A. Monday, 1-5, 6-9
- Tuesday, 9-1, 2:30-6
- Wednesday, 9-1,
- Thursday, 1-5, 6-9
- Friday, 9-1, 2:30-6
- Saturday, 9-1, 2:30-6

APPENDIX F.

NO. 1. STAFF APPLICATION.

To serve successfully the citizens using the Public Library, the spirit of self-sacrificing helpfulness, tact, energy, strength, and as much knowledge of affairs and books as possible, are absolutely necessary.

Somerville, Mass.,.....191

I hereby make application to be examined for a position in the Public Library of the City of Somerville, and declare the answers to the following questions to be true.

- 1. Name in full.
- 2. Residence.
- 3. Date and place of birth.
- 4. Full name of parents or guardian.
- 5. Are you in good health? Is your eyesight of the best?
- 6. In what schools or colleges were you educated? Give names and dates of courses.
- 7. What is your present occupation?
- 8. Have you ever been examined for public service? If so where and when?
- 9. What experience, business or professional, have you had? Stenography, typewriting, etc.

10. What library education or experience have you had? Name any special work.
11. Particular reasons for choosing to prepare for the profession of librarian.
12. What is your idea of "working with the public"?
13. In what department do you prefer to work?
14. Other remarks.

NO. 2. SCHEDULE FOR EXPERIENCE RATINGS.

Nos. 1-2 concern the Physical; 3-5 the Mental; 7-9 Good Will.

Rank each half of Nos. 1-6 on basis of 5 points, Nos. 7-10 on 10 points; have in mind as a norm the best exemplification of the quality in a person of like grade.

1. Physical (a) strength and (b) endurance.
2. Personal (a) attractiveness and (b) neatness.
3. (a) Accuracy and (b) quickness.
4. (a) Alertness and (b) promptness.
5. (a) Persistence and (b) retentiveness.
6. (a) Commonsense and (b) general experience.
7. Attitude toward and manner with readers; young, old, "kickers."
8. Attitude toward and manner with staff associates and the "Administration."
9. Attitude toward work; "a job" or a profession, self-seeking or self-giving.
10. Ability to command and solve "a situation."

Total.

1912 ed. under revision—250.

NO. 3. SCHEDULE OF OPERATIONS FOR ACCOUNTING PURPOSES.

I.—PREPARATION.

Purchase: stores, lists, order cards, bibliography, order, check bills, check order cards, review, return: requests.

L. of C. cards; order, check, place.

Stamp, paste.

Classify; subject headings, book no., revise; class record.

Catalogue; entry forms; name list, revise; card, revise; alphabet, insert, revise; bookcard, revise.

Shelf-list; card, revise; arrange, insert, revise.

Mark, revise; shellac.

Periodicals; check, cut, paste, table, file.

Binding; collect parts, record, ship, check, stamp, paste, card, shelf-list. 55.

II.—USE.

Care of shelves; read, replace, adjust.

Registration; take, verify, card, register, file, revise.

Circulation; charge, discharge, card, count; overdue, reserve, re-new; recard, repair; agency, deposits, inter-change, schools.

Reference; questions, lists; study.

Counsel; superintendence; consultation; records. 31.

III.—REPAIR.

Compare other eds. and copies, determine condition.

If rebound; directions, record; ship, check, paste, mark, revise, shellac.

If withdrawn; stamp, correct shelf-list, note replacement data, determine; reorder; correct catalogue. 18.

IV.—ADMINISTRATION.

- Publicity, correspondence, notices, reports.
- Finance; purchase; audit, enter; pay-rolls, statements.
- Executive; staff, processes, printing, fittings, buildings.
- Librarian; conferences with reports to.
- Committees, conferences, meetings.
- Trustees; conferences, reports, records. 27.

EXTENSION OF CLASSIFICATION AND REVISION OF CATALOGUE.

(Special 1912-1913.)

V.

- Make selection, check lists by catalogue, remove shelf-list cards, determine.
- Fetch "selecteds"; reserve outs; clean labels.
- Fetch catalogue cards; place cards in "selecteds."
- Library congress cards; order, check, place.
- Determine main entry; make name list, insert, revise.
- Extend classification, subject headings, book number, revise, check cross references.
- Recatalogue, adjust and write catalogue cards, revise; insert in Revised Catalogue, revise; book-card, revise.
- Re-shelf-list; correct, recard, insert in Revised shelf-list; revise.
- Plate, mark, revise, shellac.
- Re-shelve selecteds.
- Determine irregularities; classification, card forms, entry words.
- Instruction, consultation.
- Planning. 49.

APPENDIX G.

Forms of General Interest.

NO. 1. APPLICATION BLANK.

.....No.

(Mr., Mrs., or Miss)

Issued..... Renewed.....

I,
(Sign here.)

a resident in the City of Somerville applying for the right to use its Public Library, agree to obey all Library rules promptly and to give immediate notice of any change of residence.

Residence

Business address.....

Occupation

Name of husband, father (or boarding house).....

.....

His occupation and business address.

NO. 2. JUVENILE APPLICATION AND LETTER TO PARENT.

..... No.....
(Do not write above this line.)

Date.....

I, a minor resident in Somerville applying for the right to use its Public Library, agree to obey all Library rules promptly and to give immediate notice of any change of residence.

Sign name.....and age.....

Number and street.....

School and grade.....

I, the parent or guardian of the above minor, consent to the above agreement and guarantee the prompt payment of all fines and costs incurred for over-detention or loss of, or damage to the Library's books and printed matter.

Parent or guardian signs name.....

Street and number.....

Occupation.....

NO. 3. CITY OF SOMERVILLE—PUBLIC LIBRARY.

- CENTRAL LIBRARY, Highland Avenue.
- WEST SOMERVILLE BRANCH, 40 College Avenue.
- EAST SOMERVILLE BRANCH, 153 Perkins Street.
- UNION SQUARE BRANCH, Washington Street and Bonner Avenue.

.....191.....

To the Parent or Guardian:—

We should be very glad to give to the bearer of this note a Library Card for borrowing books to read at home, if you will come to the Central Library or to any Branch and approve an application for the card, as the rules require parents and guardians to sign for minors under 18 years of age.

You will find at Central and the Branches, ready to be looked at and taken home, a great many magazines, pictures, music scores, and books for both children and grown people. Among them there is sure to be some book or paper of interest. Any resident of Somerville may use the reading rooms and borrow books to take home. If you do not already use the Library yourself, this would be a good opportunity for you to see what books it has and to take a borrower's card in your own name.

If you cannot come to approve the minor's application we will mail one for you to approve at home if you will fill in and return the following request.

Very respectfully yours,
DREW B. HALL, Librarian.

Over 100,000 volumes. Over 200 magazines and newspapers. Over 30,000 borrowers. Over 500,000 circulation.

.....

To the Librarian:—

Please allow.....
to sign an application and mail it to me for my signature as I cannot come to the Library at present.

Sign.....
(Parent or Guardian.)

Date.....

DATING SLIPS IN THREE CLASSES OF BOOKS; PRINTED ON DIFFERENT TINTED PAPERS.

NO. 4. CITY OF SOMERVILLE—PUBLIC LIBRARY.

This book may be kept SEVEN days. One novel, two current periodicals and several non-fiction may be "out" on one borrower's card at one time.

Please bear in mind that others also wish to use this book.

NO. 5. CITY OF SOMERVILLE—PUBLIC LIBRARY.

This book may be kept FOURTEEN days. One novel, two current periodicals and several non-fiction may be "out" on one borrower's-card at one time.

Please bear in mind that others also wish to use this book.

NO. 6. CITY OF SOMERVILLE—PUBLIC LIBRARY.

This book may be kept ONE MONTH unless it is needed by another reader; then, as is provided in the 1912 Regulation extending the time limit from two weeks, this borrower agrees to return it immediately after the fourteenth day, on Recall notice from the Library. One novel, two current periodicals, and several non-fiction may be "out" on one borrower's-card at one time.

Please bear in mind that others also wish to use the Library's books.

NO. 7. RECALL NOTICE.

.....
.....

was by the Library records charged on your Card, No..... on....., more than two weeks ago. The regulation extending the time limit from two weeks to a month provides that (1) if a book is needed by another borrower, (2) it may be recalled after the first two weeks of the month have elapsed. As these two conditions apply to the book named above will you please return it.

The usual fine accrues, beginning two days after the date of this notice, and one week after date the book will be sent for at an added charge of twenty-five (25) cents.

Very respectfully,
DREW B. HALL,
Librarian.

Please bear in mind that others also wish to use this book.

POST CARD: OVERDUE NOTICE.

NO. 8. CITY OF SOMERVILLE—PUBLIC LIBRARY.

.....191....

According to the desk records.....

.....

No..... taken.....

is still out on library card No.....

This notice is sent as a courtesy; a reminder that the book appears to be overdue and a fine accumulating. When replying always present this notice and your library card at the desk. The Library cannot notify borrowers of the dates when books become due, nor does it assume responsibility for their failure to receive notices; telephone and verbal messages are received at the borrowers' risk.

If no reply is received within a week from the date of this notice, a further reminder will be sent by registered mail at a cost of 25 cents.

The fine is two cents per volume for each day overdue, Sundays and holidays included.

Please remember that other borrowers would like to read this book.

NO. 9. REGISTERED LETTER OVERDUE NOTICE: BOUND IN BOOKS.

CITY OF SOMERVILLE—PUBLIC LIBRARY.

Somerville, Mass.,19....

.....

The book.....

.....

numbered....., charged according to the library records on..... to Borrower's Card number..... was due....., and a postcard reminder of the record has been sent you; but the book is still charged as above. Please return it at once with the fine as below.

Also please send in your card; for cancellation of the charge on the return of the book, or for examination if an error seems to exist in the record.

For.....days' fine at two cents . \$

For postage, registering letter, etc. . .25

Amount due . \$

Very respectfully,

DREW B. HALL, Librarian.

By.....

COMMONWEALTH OF MASSACHUSETTS. REVISED LAWS, CHAPTER 208, Section 84. Whoever wilfully, intentionally and without right or wantonly and without cause, detains a book, newspaper, magazine, pamphlet or manuscript which belongs to a law, city, town or other public or incorporated library, for thirty days after notice in writing, from the librarian thereof, containing a copy of this section and given after the expiration of the time which by the regulations of such library such book, newspaper, magazine, pamphlet or manuscript may be kept, shall be punished by a fine of not less than one nor more than twenty-five dollars, or by imprisonment for not more than six months.

NO. 10. BOUND IN BOOKS; THE NARROW "TEAR-OFF" IS A LOAN DESK RECORD.

CITY OF SOMERVILLE
PUBLIC LIBRARY
INTERCHANGE REQUEST

.....191....
Borrower's Surname.....
Author
Title
Subject
Report.....by.....Not in library; Lost;
Missing; Charged;Sent to
bindery;Reserved; Contagious
disease.
Order filled.....by.....

.....
Author
Title
.....
Date
Loaned to From
Central Central
West West
East East
Union Union
Borrower's Name...
.....
Address
.....
Card No.....
Issued
Interchange Request

NO. 11. BOUND IN BOOKS; THE NARROW "TEAR-OFF" IS A LOAN DESK RECORD.

CITY OF SOMERVILLE
PUBLIC LIBRARY

Special Loan of Reference or other Restricted
Books

.....191....
I have this day received from the Library
Author Title Number
.....
.....
.....
.....
I agree to keep it uninjured and to return it
within.....days.
Borrower's Signature.....
Address.....
Library Card Number.....
Returned to Issuing Desk.....

No.
Author
Title
.....
Borrower's Name...
.....
Address
.....
Card No.....
Loaned191..
For days
Returned to Loan
Desk.....
To Loan Desk
Please send this
slip with the re-
turned book to the
Issuing Desk.
Special Loan

NO. 12. BOOK REQUEST FORM.

AUTHOR

TITLE

.....Published by.....Approximate
 date.....and price.....Particular edition?.....

TO THE BOOK COMMITTEE
 SOMERVILLE PUBLIC LIBRARY

The above book is of *general* interest to *me and* and
special *others*

I *suggest* that its purchase be considered.
seriously request

Cross out the italics above not applying to your recommendation.

Signature

Address..... Date.....

(Obverse.)

Remarks

Passed by.....Ordered.....of.....

Received..... Cost..... Approved.....

Number..... Returned.....

NO. 13. SPECIALIST'S NEW BOOK NOTICE.

CITY OF SOMERVILLE—PUBLIC LIBRARY.

The following books have recently been added to the library, and as they seem likely to be of interest to you, they have been reserved, and will be held for you until 9 p. m..... but will then be returned to general circulation unless you request a continuance of the reserve for another day.

Very sincerely,

DREW B. HALL, Librarian.

Per.....

.....

.....

NO. 14. RESERVE POST CARD.

CITY OF SOMERVILLE—PUBLIC LIBRARY.

.....191....

.....
 for which you asked is now at the delivery desk and will be reserved for you until 9 P. M.

Please present this notice with your library card at the delivery desk when calling for the book.

DREW B. HALL, Librarian.

VACATION BOOKS.

Patrons of the Public Library may borrow on their regular cards, which will be retained at the library, ten (10) volumes to be returned at the close of their vacations; periodicals, seven day books, and other works in demand excepted.

Such books cannot be taken or returned during "busy times" at the loan desks, when the "regular" work would be delayed or interrupted by this special charging.

Any book, so borrowed, may be recalled after two (2) weeks if it is needed by another reader.

NO. 15. CONTAGIOUS DISEASE NOTICE ON RETURN POST CARD.

CITY OF SOMERVILLE—PUBLIC LIBRARY.

We have been notified by the Board of Health that there is a case of contagious disease at your house. If you have any books belonging to the library or its branches, please send us the titles, numbers, and the dates on which they were taken from the library, and keep the books until after the house has been fumigated.

No fines will be charged for the detention of books over time, provided notice is given on the attached card, as requested above, and immediately after fumigation this card and the books are returned to the desk from which they were borrowed. This notice supersedes regular notices as to overdues.

APPENDIX H.**Facts About Somerville.**

Residential suburb, north of and adjoining Boston, east of Cambridge (Harvard Square one mile), and "20 minutes from Park Street." Area, 4.2 square miles.

Assessed valuation, 1912, \$69,570,640.

Funded debt, 1913, \$1,674,000.

Public property, \$5,600,000.

Population, 80,000.

Pupils in school, 15,000; school buildings, 30.

Central library building on Central Hill Park.

West Somerville branch, 1½ miles from Central; East Somerville branch, ¾ miles, and Union Square branch, ¾ miles from Central. The latter two are ¾ miles apart also.

BOARD OF HEALTH.

1912.

WESLEY T. LEE, M. D., Chairman.

JACKSON CALDWELL.

WILLIAM P. FRENCH.

Clerk and Agent to Issue Burial Permits.

GEORGE H. GALPIN, resigned March 12, 1912.

LAURENCE S. HOWARD, appointed March 18, 1912.

Agent.

CALEB A. PAGE.

Medical Inspector.

FRANK L. MORSE, M. D.

Inspector of Animals and Provisions.

CHARLES M. BERRY, V. S.

Inspector of Milk and Vinegar.

HERBERT E. BOWMAN, Ph. G.

Plumbing Inspector.

DUNCAN C. GREENE.

REPORT OF THE BOARD OF HEALTH.

OFFICE OF THE BOARD OF HEALTH, }
City Hall, January 1, 1913. }

To His Honor, the Mayor and the Board of Aldermen:—

Gentlemen,—We respectfully submit the following as the thirty-fifth annual report of the board of health, in which is presented a statement, tabulated and otherwise, of the sanitary condition of the city and the business of the board for the year ending December 31, 1912:—

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:—

Complaints investigated and causes removed:—

Animals kept in cellars	2
Blacksmith shops whitewashed	14
Cellars, water in	12
Cellars, filthy	12
Cesspools removed	2
Chimney, too low	1
Defective garbage houses	3
Dirty milk utensils	24
Factories filthy	5
Fish exposed for sale	1
Fish, foul odors from	2
Garbage thrown in yards	1
Hens being kept without permit	14
Hens running at large	3
Horses being kept in yard	1
Manure heaps, foul odors from	8
Milk license not posted	3
Milk rooms, screens not on	14
Plumbing unsanitary	17
Privy vaults, foul odors from	1
Roosters crowing	4
Rubbish on vacant land	16
Sewer openings, foul odors from	6
Slops thrown on ground or from window	1
Stables offensive	6
Stables whitewashed	70
Stables ventilated	1
Stores (bakeries) whitewashed	20
Stores and utensils dirty	6
Standing water, foul odor from	2
Standing water under stables	2
Tenements filthy	2
Tenements unsanitary	2
Unlicensed animals	12
Unclassified	35
Water-closets, foul odors from	7
Water-closets without water	5
Water pipes burst	5
Water turned off, house not tenantable	13
Yards filthy	202

Total 557

Complaints referred from 1911	8
Complaints received 1912	557
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Total	565
Complaints referred to 1913	8
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Nuisances abated 1912	557
Second, third, and fourth notices sent on nuisances	37
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Total notices sent	594

In addition to the above, 297 dead animals have been removed from the public streets, and many nuisances have been abated on verbal notice from the agent, without action by the board, of which no record has been made. Each spring the whole city is examined, and cellars, yards and alleyways where rubbish and filth have collected are required to be cleaned.

Glanders.—Fifty-nine cases of glanders have been reported during the year. Prompt action was taken in every case, and fifty-four of the horses were killed, five being released from quarantine by order of the cattle commissioners.

Permits.

The record of permits to keep cows, swine, goats and hens, and to collect grease is as follows:—

Cows.—Twenty-one applications were received for permits to keep forty-nine cows. Twenty permits to keep forty-eight cows were granted, and one permit was refused.

Swine.—Ten applications were received for permits to keep twenty-two swine, nine of which were granted to keep twenty swine. The fee is one dollar for each swine.

Goats.—One application was received for permit to keep one goat, which was granted. The fee is one dollar for each goat.

Hens.—One hundred and twenty-six applications for permits to keep 2,280 hens were received. Eighty-two permits to keep 1,583 hens were granted, and forty-four permits were refused.

Grease.—Twelve applications were received for permits for fourteen teams to collect grease. Twelve permits were granted. The fee is two dollars for each team.

Melting and Rendering.—Two parties have been licensed to carry on the business of melting and rendering, under the provisions of the revised laws of 1902, chapter 75, section 111, for which a fee of one dollar is charged.

Pedlers.

Two hundred and fifty-four certificates of registration were issued to hawkers and pedlers during the year under the provisions of ordinance number 29—a decrease of forty-nine over the year 1911. Each pedler is required to present a statement

from the sealer of weights and measures, showing that his measures and scales have been properly sealed, before a certificate is issued to him. Pedlars are also required to present their vehicles at the police station the first Monday of each month for inspection by the agent of the board, that he may see if they are kept in a clean condition, and are properly marked with the owner's name and number. A fee of one dollar is charged for each registration.

Stables.

Under the provisions of sections 69 and 70 of chapter 102 of the revised laws of 1902, twenty petitions for licenses to erect and use stables were received, fourteen were granted, five were refused, and action on one is still pending.

Board of Infants.

Fifteen parties, whose applications were first approved by this board, have been licensed by the state board of charity to care for thirty children in this city, under the provisions of chapter 83 of the revised laws of 1902.

Deaths.

There were 983 deaths and seventy-five stillbirths in the city during the year, as specified in the following table, which shows a decrease of deaths under the previous year of fifty-two.

Deaths at Somerville hospital during the year	63
Deaths at hospital for contagious diseases and tuberculosis	32
Deaths at home for aged poor (Highland avenue),	36
Deaths at city home	9
Deaths at other institutions	4

DEATHS BY AGES.

AGES.	Total.	Male.	Female.
Under one	142	70	72
One to two	38	24	14
Two to three	8	5	3
Three to four	13	8	5
Four to five	6	5	1
Five to ten	20	9	11
Ten to fifteen	7	3	4
Fifteen to twenty	22	12	10
Twenty to thirty	53	21	32
Thirty to forty	70	32	38
Forty to fifty	75	33	42
Fifty to sixty	101	40	61
Sixty to seventy	163	62	101
Seventy to eighty	165	76	89
Eighty to ninety	83	31	52
Ninety and over	17	7	10
Total	983	438	545

Mortality in Somerville in 1912.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
I. GENERAL DISEASES.													
<i>(A. Epidemic Diseases.)</i>													
Scarlet fever . . . . .	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	2
Diphtheria	1	.....	3	.....	1	.....	.....	.....	1	1	4	3	14
Typhoid fever . . . . .	.....	.....	1	.....	3	.....	.....	.....	.....	.....	.....	.....	4
Dysentery . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1
La grippe . . . . .	.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	2
Measles . . . . .	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
Cerebro-spinal meningitis . . . . .	.....	.....	1	.....	2	.....	1	.....	.....	1	.....	.....	5
Pertussis . . . . .	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1
<i>(B. Other General Diseases.)</i>													
Septicæmia	2	1	.....	1	.....	1	.....	.....	.....	2	.....	.....	7
Rheumatism . . . . .	.....	.....	.....	.....	1	.....	.....	.....	.....	1	.....	1	3
Pernicious anæmia . . . . .	.....	.....	2	.....	2	.....	1	1	1	.....	1	.....	8
Cancer of lip . . . . .	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Cancer of gall bladder . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	2
Cancer of bowel . . . . .	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1
Cancer of breast . . . . .	.....	1	1	1	.....	1	.....	.....	.....	1	2	.....	7
Cancer of face . . . . .	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Cancer intestines . . . . .	.....	.....	.....	.....	1	.....	2	.....	1	1	1	1	7
Cancer of lung . . . . .	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1
Cancer liver and kidneys . . . . .	.....	.....	2	.....	1	4	1	.....	.....	.....	.....	.....	8
Cancer of ovary . . . . .	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1
Cancer of stomach	1	.....	1	2	.....	.....	2	.....	2	1	3	.....	12
Cancer of jaw and throat . . . . .	.....	.....	.....	1	.....	.....	.....	.....	1	.....	1	.....	3
Cancer of uterus	1	1	.....	1	1	2	.....	.....	1	.....	2	1	10
Cancer of pancreas . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
Tumor	1	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	3
Diabetes	3	3	1	.....	2	2	1	2	.....	1	4	.....	19
Tuberculosis	10	11	9	1	13	4	5	7	4	1	4	9	78
Tubercular meningitis	1	.....	1	3	.....	.....	.....	2	2	1	1	1	12
Tuberculosis of spine . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Purpura hemorrhagica . . . . .	.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	2
Abcess of liver . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
Werlhoff's disease	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Status lymphaticus	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Hereditary syphilis . . . . .	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1
Rachitis . . . . .	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	2
Addison's disease . . . . .	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	1
Autointoxication . . . . .	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1
Toxaemia . . . . .	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
II. DISEASES OF THE NERVOUS SYSTEM.													
Meningitis . . . . .	.....	.....	2	1	1	1	.....	1	.....	.....	.....	.....	6
Apoplexy	7	14	9	5	4	3	7	4	6	8	4	3	74
Paralysis	1	.....	2	.....	3	1	.....	1	2	.....	2	.....	12
Acute mania . . . . .	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Hemiplegia	1	1	1	.....	2	.....	1	1	.....	2	1	3	13
Epilepsy . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Locomotor ataxia . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	2
Eclampsia . . . . .	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	2
Encephalitis . . . . .	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....	2
Cerebro embolism . . . . .	.....	.....	.....	.....	.....	1	1	.....	.....	1	.....	.....	3
Myelitis . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
III. DISEASES OF THE CIRCULATORY SYSTEM.													
Atheroma . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1
Heart disease	9	12	6	13	6	9	6	5	6	9	8	10	99
Endocarditis	2	.....	1	6	3	1	1	1	2	.....	2	1	20
Myocarditis	3	4	2	3	.....	1	1	.....	.....	3	2	4	23
Pericarditis	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Angina pectoris . . . . .	.....	2	.....	.....	.....	1	.....	2	.....	2	1	1	9
Heart exhaustion . . . . .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
Regurgitation	5	2	1	3	1	1	.....	1	2	1	2	.....	19
IV. DISEASES OF THE RESPIRATORY SYSTEM.													
Pneumonia	10	23	18	8	8	9	7	1	4	7	9	19	123
Bronchitis	3	5	1	3	2	1	1	2	2	.....	1	2	23
Pulmonary œdema	1	1	1	.....	2	.....	.....	.....	1	3	.....	1	10
Pleurisy . . . . .	.....	.....	.....	.....	1	.....	.....	2	.....	.....	.....	.....	3
Laryngitis . . . . .	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
Pulmonary embolism	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	2

MORTALITY IN SOMERVILLE IN 1912.—Concluded.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
V. DISEASES OF THE DIGESTIVE SYSTEM.													
Acute indigestion		4									2	2	8
Colitis					1		2	3	1	2	2		11
Gastritis			1	1				1	1				4
Peritonitis			2	4	1		1	1					9
Biliary calculi						1				1			2
Cholera infantum								3	3	1	1	1	9
Ptomaine poisoning	1												1
Gastric ulcer	1												1
Enteritis			1	1	2	3	1	3	3	4		4	22
Hemorrhage of pancreas							1				1		2
Intestinal obstruction			1			1			3	2	1		8
Ulcer of duodenum		1											1
Cholecystitis									1		1		2
Cirrhosis liver							1	2					3
VI. DISEASES OF GENITO-URINARY SYSTEM.													
Bright's disease	2	1	1	1		1			2		1	1	10
Uraemia	1		2	1	1			1	1			2	8
Nephritis	5	2	6	1	3	1	2	1	1	4	3	1	30
Pyelitis					1								1
Cystitis									1				1
VII. CHILDBIRTH.													
Childbirth		1											1
Placenta Praevia						1							1
VIII. DISEASES OF THE SKIN AND CELLULAR TISSUE.													
Gangrene	1	1			1								3
IX. MALFORMATIONS.													
Hydrocephalus	1												1
X. EARLY INFANCY.													
Malnutrition	1	1	1		1	1	1		2			1	9
Asphyxia neonatorum				1				1					2
Premature birth and congenital debility	4	2	5	6	4	3	3	4	2	2	3	4	42
Atalectosis					1					1	1	1	4
Cerebral hemorrhage												1	1
XI. OLD AGE.													
Old age		2	1		1				1	1	1	1	8
Senile dementia	2	1	1	2			1					1	8
Arterio-sclerosis	5	6	2	1	6	5	2	1	2	5	4	3	42
General malnutrition	1												1
XII. VIOLENCE.													
Drowning		1					2						3
Railroad							2	2	1				5
Suicide			1		1	1						2	5
Burni g				1	3		1	1				1	7
Suffocation	1		1							1			3
Accidental burns from hot water		2	1										3
Accidental gas poisoning				2	1								3
Fracture of skull	1				1	2					1		5
Surgical shock					1								1
Accidental poisoning					1								1
Fall from window				1					1				2
Run over by fire engine						1							1
Heat prostration							3						3
Trampled on by horse								1			1		2
Run over by automobile											1		1
Homicide, throat cut												1	1
Total	94	109	96	76	94	72	65	61	68	75	80	93	983

Population (estimated) 81,000
 Death rate per thousand 12.13

Diseases Dangerous to the Public Health.

This board has adjudged that the diseases known as actinomycosis, anterior poliomyelitis, Asiatic cholera, cerebrospinal meningitis, diphtheria, glanders, leprosy, malignant pustule, measles, ophthalmia neonatorum, scarlet fever, smallpox, tetanus, trachoma, trichinosis, tuberculosis, typhoid fever, typhus fever, varicella, whooping-cough, and yellow fever are infectious, or contagious, and dangerous to the public health and safety within the meaning of the statutes. Physicians are required to report immediately to the board every case of either of these diseases coming under their care, and postal cards conveniently printed and addressed are supplied to them for the purpose. On receipt of a card from a physician, the superintendent of schools, the principal of the school in the district in which the patient resides, the librarian of the public library and state board of health are notified.

Scarlet Fever.—One hundred fifty-seven cases of scarlet fever have been reported during the year, two of which resulted fatally. In 1911 there were 109 cases, three of which resulted fatally.

Diphtheria.—One hundred one cases of diphtheria have been reported during the year, fourteen of which were fatal. In 1911 there were 183 cases, fifteen 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. Culture tubes for diphtheria, and sputum bottles for suspected tuberculosis are obtainable at the same stations.

Warning cards are used in dealing with scarlet fever and diphtheria, and the premises are fumigated by the use of formaldehyde gas, immediately after the termination of the case. An inspection is made by the agent of the board of the premises where diphtheria is reported, and all sanitary defects discovered are required to be remedied as soon as possible.

Tuberculosis.—One hundred fifty-five cases of tuberculosis have been reported during the year. There were seventy-eight deaths from this disease.

Typhoid Fever.—Forty-three cases of typhoid fever have been reported during the year, four of which have proved fatal. In 1911 there were forty-three cases reported, six of which were fatal.

Number of persons with diphtheria or scarlet fever taken in ambulance to hospital by agent	113
Number of cases of scarlet fever and diphtheria for which houses were placarded	258
Number of premises disinfected by agent	381

It will be seen by the foregoing figures that 381 premises were disinfected. Thirty-three disinfections were made at the request of attending physicians whose patients had been ill

with typhoid fever, cancer, or other diseases. Fifty-two schoolrooms were disinfected, thirty-six for scarlet fever, sixteen for diphtheria, and 129 premises for tuberculosis, in compliance with the regulations passed by this board.

Many library books have also been disinfected, and quantities of infected bedding and other material have been burned.

TABLES.

The prevalence of scarlet fever, diphtheria, and typhoid fever in the city during the several months of the year 1912 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 1912.

MONTHS.	SCARLET FEVER.			DIPHTHERIA.			TYPHOID FEVER.		
	Cases Reported.	Number of Deaths.	Percentage of Deaths.	Cases Reported.	Number of Deaths.	Percentage of Deaths.	Cases Reported.	Number of Deaths.	Percentage of Deaths.
January . . .	21	...	...	12	1	8.3	2	...	...
February . . .	12	1	8.3	10	...	...	2	...	...
March . . .	24	...	...	8	3	37.5	4	1	25.
April . . .	12	...	...	4	...	...	7	...	...
May . . .	15	1	6.6	11	...	...	4	3	75.
June . . .	13	...	...	10	1	10.0	4	...	...
July . . .	10	...	...	3	...	...	4	...	...
August . . .	9	...	...	5	...	...	5	...	...
September . . .	0	...	...	5	1	20.0	6	...	...
October . . .	6	...	...	8	1	12.3	4	...	...
November . . .	14	...	...	15	4	26.6	0	...	...
December . . .	21	...	...	10	3	30.0	0	...	...
Total . . .	157	2	1.3	101	14	13.8	43	4	9.3

Deaths from Scarlet Fever, Diphtheria and Typhoid Fever in the Last Ten Years.

MONTHS.	SCARLET FEVER.										DIPHTHERIA.										TYPHOID FEVER.										
	1903.	1904.	1905.	1906.	1907.	1908.	1909.	1910.	1911.	1912.	1903.	1904.	1905.	1906.	1907.	1908.	1909.	1910.	1911.	1912.	1903.	1904.	1905.	1906.	1907.	1908.	1909.	1910.	1911.	1912.	
January . . .	4	...	...	...	3	...	2	...	1	...	1	3	3	...	1	1	4	5	1	1	...	3	1	...	...	1	1	...	...	1	...
February . . .	2	1	1	...	2	...	1	...	1	...	2	3	2	2	...	...	...	3	3	4	...	1	1	...	...	1	...	...	1	1	...
March . . .	...	1	1	...	...	1	3	...	1	...	3	...	...	2	...	1	3	3	1	3	...	1	1	...	1	3	...	...	...	...	1
April . . .	...	...	...	1	...	2	1	...	...	...	1	1	5	...	2	2	2	2	1	1	...	...	...	1	3	...	1	1	1	...	...
May . . .	...	...	...	...	1	1	...	...	1	...	2	3	1	2	1	1	1	2	2	1	...	1	1	...	...	2	...	2	...	1	...
June . . .	1	...	1	...	...	...	...	...	...	...	1	1	1	...	1	2	2	1	1	1	...	...	...	1	2	2	1	1	...	...	...
July . . .	...	...	...	...	...	...	2	...	...	...	...	1	...	...	1	2	2	1	...	...	...	...	1	1	...	...	1	...	...	...	...
August . . .	...	...	1	...	2	...	...	...	...	...	2	1	...	...	...	1	3	1	1	...	...	...	2	...	1	1	...	...	...	2	...
September . . .	...	...	...	...	...	...	...	...	...	...	2	...	1	...	...	...	2	2	2	1	...	2	...	...	1	1	...	1	...	1	...
October . . .	...	...	...	...	1	1	...	...	...	...	2	...	2	2	...	...	...	...	1	1	...	2	...	1	2	4	1	4	...	...	...
November . . .	...	...	...	1	1	...	...	1	...	...	2	...	3	1	1	2	1	...	1	4	...	3	3	3	...	3	1	2	1	...	...
December . . .	3	1	...	...	2	...	...	...	...	...	2	2	3	1	4	2	3	1	...	3	...	...	1	1	...	...	...	...	...	...	...
Total . . .	10	3	4	1	12	4	9	5	3	2	19	14	17	15	9	11	27	20	15	14	...	10	11	9	11	11	9	8	6	6	4

Table of Deaths During the Last Ten Years.

Year.	No. of Deaths.	Rate per 1,000.
1903	955	14.25
1904	954	13.87
1905	968	13.83
1906	1,004	13.94
1907	997	13.47
1908	903	11.96
1909	988	13.08
1910	1,043	13.45
1911	1,035	12.93
1912	983	12.13
Average death rate per 1,000 for ten years		13.29

Table Showing the Five Principal Causes of Death in Somerville in 1912.

PNEUMONIA.		HEART DISEASE.		TUBERCULOSIS.		APOPLEXY.		CANCER.	
Number of Deaths.	Number per 10,000 pop.	Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.
123	15.1	99	12.2	78	9.6	74	9.1	55	6.8

Medical Inspection of Schools.

The medical inspection of the schools of Somerville, which was instituted in December, 1907, has been continued during the year. The value of the system has been constantly demonstrated, and the work has been done in a very satisfactory manner. There has been harmony of action between the board of health and the school board, and the school principals and teachers have very generally co-operated with the inspectors in making the system as successful as possible.

The inspectors make daily visits to the schools under their charge, and to them are referred all children who show evidences of disease or abnormal conditions. Children who are found to be unfit to remain in school are sent home, accompanied by a slip properly filled out advising that the family physician be consulted. The inspectors also make an annual inspection of all the children in the schools, and any defects discovered are called to the attention of the parents. Monthly inspections of the school buildings and premises are made, and suggestions or criticisms are referred to the proper authorities. Every effort is made to protect the health of the children and to co-operate with the parents in keeping the children in as normal a condition as possible.

It is extremely desirable that one or more school nurses should be employed to supplement and make more effective the work of the inspectors, and it is to be hoped that funds will be available to carry out this project.

In accordance with the provisions of the statute, tests of sight and hearing are made by the principals or teachers.

During the year 7,484 children have been referred to the inspectors during their daily visits, and 825 have been sent home because of illness.

The following list will show the classes of diseases and defects which have been found in the schools, except defects of sight and hearing:—

LIST OF DISEASES AND NUMBER OF CASES REPORTED.

1. Infectious diseases:—		
Measles	123	
Whooping cough	7	
Chicken pox	35	
Mumps	7	
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Total		172
2. Diseases of the nose and throat:—		
Enlarged tonsils and adenoids	533	
Inflammatory diseases	141	
Other abnormal conditions	164	
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Total		838
3. Diseases of the eyes:—		
Inflammatory conditions of the eyes and lids	62	
Foreign bodies and injuries	12	
Other abnormal conditions	83	
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Total		157
4. Diseases of the ears:—		
Inflammatory condition	7	
Other abnormal conditions	7	
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Total		14
5. Diseases of the skin:—		
Pediculosis	866	
Impetigo	63	
Scabies	10	
Eczema	23	
Tinea	5	
Herpes	13	
Miscellaneous conditions	55	
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Total		1,035
6. Miscellaneous diseases:—		
Constitutional diseases	41	
Diseases of the digestive system	31	
Diseases of the respiratory system	65	
Diseases of the circulatory system	30	
Diseases of the lymphatic system	31	
Diseases of the nervous system	17	
Diseases of the urinary system	1	
Wounds and injuries	78	

Diseases of teeth	1,160
Other conditions	126
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Total	1,580
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Total number of diseases reported	3,796
Vaccinations performed	594
Examinations for vaccinations	739

The districts and inspectors are as follows:—

District No. 1.—Prescott, Hanscom, Davis, and Edgerly schools. Inspector, Dr. Francis Shaw, 57 Cross street.

District No. 2.—Baxter, Knapp, Perry, and Bell schools. Inspector, Dr. Edward J. Dailey, 46 Bow street.

District No. 3.—Bennett, Pope, Cummings, and Proctor schools. Inspector, Dr. L. H. Raymond, 146 Highland avenue.

District No. 4.—Morse, Carr, Durell, and Burns schools. Inspector, Dr. W. L. Bond, 322 Highland avenue.

District No. 5.—Brown, Bingham, and Forster schools. Inspector, Dr. H. M. Stoodley, 283 Highland avenue.

District No. 6.—Lincoln, Hodgkins, Highland, Cutler, and Lowe schools. Inspector, Dr. H. Cholerton, 94 College avenue.

District No. 7.—Glines and High schools. Inspector, Dr. R. F. Gibson, 76 College avenue.

Parochial Schools.—Inspector, Dr. M. W. White, 21 Walnut street.

Hospital for Contagious Diseases.

Scarlet Fever and Diphtheria.—The hospital has continued to demonstrate its value to the city during the past year. The institution is now well equipped and in every way modern and convenient.

Miss Edith M. Grant has continued as matron, and has done excellent work. The hospital has been carried on economically, and in every particular the results have been satisfactory to the board.

The statistical report is included in the report of the medical inspector.

Tuberculosis Hospital.

The tuberculosis hospital has been in operation since March 8 of the year 1911, and has proved conclusively the necessity and desirability of such an institution in our city.

There have been eighty-eight patients received at the hospital during 1912.

The conditions shown and the results obtained in the cases received prove, also, the need of continued work along this line on a broader basis. Recent figures show that there are approximately 40,000 cases of tuberculosis in Massachusetts, and that there are accommodations for not more than 4,000 pa-

tients. The state is making every effort to save its people, and each city and town should feel itself, in a manner, responsible for the progress of this work. It is to the credit of the city of Somerville that we are among the first who have established a hospital for tuberculosis, and that our hospital has been approved by the trustees of hospitals for tuberculosis.

The good work accomplished and the outlook for the coming year promise even greater results in the future, both from the standpoint of the work actually done, and the help rendered to the patients, and, last, but by no means least, the information and instruction, which is a great factor in the treatment of this disease, is being steadily pursued and given out, that those who are discharged from the hospital may know how to safeguard and care for others as well as themselves, and prevent, so far as is possible, the spread of tuberculosis in the city.

It is very necessary that another building similar in size and construction to the present building should be built at once, as the accommodations are not adequate to provide for patients desiring admission.

Mental Disorders.

Under the provisions of Chapter 394 of the Acts of the Legislature of 1911 the Board of Health is required to provide a place for the care of and to care for persons suffering from certain mental disorders prior to their commitment to an institution. At the present time this Board has no proper place at its command for the detention and care of these cases. A very suitable arrangement could be made for this work in the building suggested above.

Bacteriological Department.

The work of this department was performed by Frank L. Morse, M. D., medical inspector of the board, whose report is appended to this report.

Specimens will be received at the laboratory at the city hall daily, including Sunday, at any time, and they will be examined and reported upon the morning following their reception

SPECIMENS AND ANTI-TOXIN.

Outfits for specimens to be examined for tuberculosis, diphtheria, and typhoid fever, and diphtheria anti-toxin, vaccine lymph and nitrate of silver solution may be obtained at the laboratory and at the following places:—

Adams Pharmacy, Willow and Highland avenues.

R. A. Peckham, 154 Perkins street.

Bay State Pharmacy, 173 Washington street.

Edward E. Edwards, 25 Union square.

Fred W. Gay, 524 Somerville avenue.

John Morrison, Highland avenue, corner Cedar street.

Percy A. Hall, 2 Studio building, Davis square.
 Henry W. Perry, 529 Medford street, Magoun square.
 Eugene B. Carpenter, 10 Broadway.
 Richardson Pharmacy, 310 Broadway.
 George E. Wardrobe, 693 Broadway.
 Willis S. Furbush & Co., 1153 Broadway.

After the specimen is collected, it must be taken to the culture station or sent directly to the laboratory at the city hall.

Undertakers.

Under the provisions of section 44 of chapter 78 of the revised laws of 1902, twenty-one persons have been duly licensed as undertakers.

Examiners of Plumbers.

The public statutes provide for a board of examiners of plumbers, consisting of a chairman of the board of health, the inspector of buildings, and an expert at plumbing, to be appointed by the board of health. This board appointed Duncan C. Greene, the inspector of plumbing, to fill the place of expert. The number of licenses granted will be found in the report of the inspector of buildings.

Financial Statement for 1912.

HEALTH DEPARTMENT.

CREDIT.

Appropriation	\$9,800 00	
Appropriation	2,000 00	
Refund from Commonwealth of Massachusetts	12 86	
Received from Contagious Hospital account	14 40	
	<hr/>	
Total credit		\$11,827 26

DEBIT.

Salaries	\$4,241 93	
Burying dead animals	106 00	
Books, stationery, postage, etc.	218 77	
Bacteriological laboratory	36 90	
Board of agent's horse	327 00	
Horseshoeing	33 50	
Repairing harnesses	5 50	
Repairing vehicles	28 15	
Telephones	127 88	
Care of diseases dangerous to the public health (settled in Somerville)	5,568 99	
Incidentals	123 50	
	<hr/>	
Total debit		\$10,818 12
		<hr/>
Amount unexpended		\$1,009 14

Inspection of Animals and Provisions.

CREDIT.	
Appropriation	\$1,250 00
DEBIT.	
Salary of inspector	\$1,200 00
Sundry expenses	54 81
	<hr/>
Total debit	\$1,254 81
	<hr/>
Amount overdrawn	\$4 81

Inspection of Milk and Vinegar.

CREDIT.	
Appropriation	\$1,700 00
DEBIT.	
Salary of inspector	\$1,300 00
Office and laboratory expenses	135 97
Maintenance of inspector's automobile	350 59
	<hr/>
Total debit	\$1,786 56
	<hr/>
Amount overdrawn	\$86 56

Inspection of School Children.

CREDIT.	
Appropriation	\$1,550 00
DEBIT.	
Salaries of inspectors	\$1,500 00
Printing	30 85
	<hr/>
Total debit	\$1,530 85
	<hr/>
Amount unexpended	\$19 15

Contagious and Tuberculosis Hospital.

CREDIT.	
Appropriation	\$12,000 00
Appropriation	2,000 00
Transfer from Excess and Deficiency account	982 37
	<hr/>
Total credit	\$14,982 37
DEBIT.	
Salaries	\$7,863 14
Groceries and provisions	6,667 50
Supplies	1,092 19
Incidentals	429 45
	<hr/>
Total debit	\$16,052 28
	<hr/>
Amount overdrawn	\$1,069 91

RECAPITULATION.**Appropriations Overdrawn.**

Inspection of Animals and Provisions	\$4 81	
Inspection of Milk and Vinegar	86 56	
Contagious and Tuberculosis Hospital	1,069 91	
	<hr/>	
Total overdrawn		\$1,161 28

Appropriations Unexpended.

Health Department	\$1,009 14	
Inspection of School Children	19 15	
	<hr/>	
Total unexpended		\$1,028 29
		<hr/>
Net amount overdrawn		\$132 99

WESLEY T. LEE, M. D., Chairman,
 JACKSON CALDWELL,
 WILLIAM P. FRENCH,
 Board of Health.

REPORT OF THE MEDICAL INSPECTOR.

Somerville, January 1, 1913.

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

Gentlemen,—I herewith present the report of the medical inspector for the year 1912, including the statistics of the contagious disease hospital and the bacteriological laboratory.

Scarlet Fever. During the year 157 cases of this disease were reported in the city, an increase of forty-eight in number over the previous year. Every case has been inspected, before the house was fumigated, and 125 visits were made at residences to determine when desquamation was complete.

Diphtheria. During the year 101 cases of diphtheria have been reported in the city, a decrease from the previous year, when 183 cases were reported. The same restrictions are placed upon all cases, and before patients are released from quarantine two successive negative cultures must be obtained. It is optional with the attending physician to take the first culture, but the second must be taken by the medical inspector, and during the year 111 visits were made at houses for this purpose.

Typhoid Fever. During the year forty-three cases of this disease were reported, no change in number from the previous year.

Tuberculosis. One hundred and fifty-five cases of tuberculosis were reported during the year, an increase of one over the year previous. In November, 1906, following a conference with the overseers of the poor, these cases, which had been previously cared for medically by the city physician, were transferred to the board of health and the medical inspector instructed to care for them. During 1912 such cases have been transferred to the new tuberculosis hospital for treatment.

Ophthalmia Neonatorum. Thirty-four cases of this disease were reported to the board during 1912, all of which were visited and such action taken as was necessary to prevent blindness, four of them being removed to the Massachusetts Eye and Ear Infirmary for treatment.

Contagious Disease Hospital.

In September, 1906, following a change in the city charter, the city physician, who, up to this time, had treated the cases at the hospital, was relieved of this duty, and the care of the patients transferred to the medical inspector on October 1. During 1912 this arrangement has continued, 375 visits having been made at the hospital during the year.

Scarlet Fever. During the year forty-nine cases of scarlet fever were admitted, one of which proved fatal. Eighteen of these cases were among males, and thirty-one among females. Seventeen were under five years of age, fifteen from five to ten years, and the remainder, seventeen, were over ten years. Vomiting was a constant symptom, it occurring in twenty-seven cases, and a sore throat in thirty-one cases. In three cases the rash occurred on the first day of illness, in nineteen cases on the second day, in eleven instances on the third day, and two on the fourth day. There was membrane present on the tonsils in nineteen cases; in four cases the disease was complicated with nephritis; in four cases with rheumatism; in three cases with discharging ears, with three mastoid operations; in five with enlarged cervical glands, and in addition one had diphtheria, and four mumps. The average stay in the hospital was forty-six days.

One patient was operated on for suppurating axillary glands.

Diphtheria. During the year sixty-four cases of diphtheria were admitted, six of which proved fatal. Of these patients, thirty-seven were among males and twenty-seven among females. Eighteen were under five years of age; twenty-three were from five to ten, and the remainder, twenty-three, were over ten. Two entered the hospital on the first day of their illness, and all recovered. Nine entered the second day of the illness, all recovered; twenty on the third day, with two deaths; fourteen on the fourth day, with one death; five on the fifth day, all recovered; three on the sixth day, all recovering; two on the seventh day, all recovering; two on the tenth day, all recovering; one on the eleventh and one on the fourteenth day, both recovering. The importance of early treatment with anti-toxin is thus very obvious. Of the ten laryngeal cases six came to intubation, two of whom recovered. In sixteen patients the membrane extended over both tonsils, uvula and palate, all recovering. The throat was clear of membrane in two cases on the second day, in nine cases on the third, in twelve cases on the fourth, in ten cases on the fifth, in five on the sixth, in one on the seventh, two on the eleventh, one on the thirteenth, one on the seventeenth, and one on the eighteenth. In thirty patients eruptions appeared on the body due to the use of the anti-toxin, and in four patients joint pains occurred from the same cause, four patients had enlarged cervical glands. The average stay in the hospital was twenty days. Of the six deaths during the year, three died within forty-eight hours of admission, two being intubations and one septic. One case was complicated with measles two days after admission and died. One case had scarlet fever upon admission. Three cases were attended by their own physicians.

Tuberculosis.

In March, 1911, the tuberculosis hospital, accommodating eighteen patients, was completed by the building commissioner and transferred to the board, the first patient being admitted March 8. During 1912 eighty-eight patients ill with this disease have been admitted, and several times during the year the hospital has reached its normal capacity, which indicates its well-founded need.

Many of these patients were in the advanced stage of the disease, thus removing from the patients' homes the danger of infection of the members of the family. Twenty-five deaths have been recorded.

Other patients have been discharged with the disease arrested, and others have been transferred to the state hospitals for treatment. The need of this department will be more marked during the coming year, and recommendations should be made to provide for its enlargement.

Other Diseases.

Fifteen other patients have been admitted during the year as follows: Seven cases of measles, two of erysipelas, and six mental cases, which were admitted to the hospital, upon the request of the police department, as required by Chapter 394, Acts of 1911. The latter patients were cared for in a room on the first floor of the hospital and attended by police officers if they were males, and nurses if females. The accommodations were visibly inadequate for such patients, and they were usually committed to an insane hospital on the following day.

Patients Treated at the Contagious Hospital.

DISEASE.	Admission by Months.												Total admitted.	Discharged.	Died.	Remaining January 1, 1913.	
	Remaining January 1, 1912.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.					December.
Scarlet fever.	7	13	4	9	0	5	4	3	2	.	2	3	4	49	50	1	5
Diphtheria	5	6	6	4	5	9	4	6	5	2	5	5	7	64	60	6	3
Tuberculosis	14	12	7	9	12	6	7	7	8	3	9	5	5	88	60	25	17
Totals	26	31	17	22	17	20	13	16	15	5	16	13	16	201	170	32	25

Bacteriological Department.

During the year 1912 651 examinations were made of cultures for the diphtheria organism, 251 examinations made of sputum from patients suspected of having tuberculosis, and 105 examinations to detect the Widal reaction in typhoid fever.

Diphtheria. Six hundred and fifty-one cultures have been examined for diphtheria, 312 being in males and 339 in females. Diphtheria being a disease of children, 165 of these examinations have been made in children under five years of age, 179 in those from five to ten years of age, 95 from ten to twenty, and 192 in adults over twenty years. In twenty cases the age of the patient was not stated. Three hundred and twenty-five examinations were made for the diagnosis of the case, forty-one proving positive and 284 negative. Of the

positive results, fifteen were of cases in which the attending physician's diagnosis of diphtheria was confirmed, seven in which the clinical diagnosis was not diphtheria, and nineteen in which no definite diagnosis was made. Of the 319 negative examinations, twenty-seven were obtained in which the clinical diagnosis was diphtheria, 112 in which the diagnosis was not diphtheria, and 145 in which no diagnosis had been made.

Three hundred and twenty-six cultures were taken for release of patients from quarantine, seventy-two of which were positive and 254 negative. The importance of taking release cultures is demonstrated by these figures, these patients showing the presence of the bacilli in the throat after the clinical evidence of the disease had disappeared. In two examinations there was no growth upon the serum tube.

Tuberculosis. Two hundred and fifty-one examinations have been made of sputum suspected of containing the tubercle bacillus, ninety-seven of which were positive and 154 negative. In forty cases a definite diagnosis of this disease had been made by the attending physician, but in eighteen of them the organism could not be detected. In the remainder of the cases, seventy-five were stated as not showing evidence of the disease, twenty being positive, and in 136 cases no statements were made giving information as to its character, fifty-five of which were positive. One hundred and twenty-six were males and 125 females. Although printed directions accompany each outfit, telling how the specimen should be obtained, it has not been unusual for specimens to be sent to the laboratory containing only saliva from the mouth, with no excretion from the lungs or bronchial tubes. Physicians should be urged to give definite instructions to each patient, relating to the collection of the sputum, for in some instances a negative report would mislead both physician and patient. Consumption to-day is recognized as an infectious disease, and all persons afflicted with it should be instructed in the modern methods for preventing its spread. In some cases this is not done by the attending physician, and during the past nine years your board has required that this disease be reported to you, as other infectious diseases are, and that printed instructions and advice be sent to each patient ill with the disease. The decrease in the death rate of consumption, and the cure of persons afflicted with it, is due to the improved and intelligent manner with which cases are treated, and the prevention of further spread of the disease is a subject which is of importance to all local boards of health.

Typhoid Fever. One hundred and five examinations of the blood of patients suspected of having typhoid fever have been made, nineteen of which proved positive. In forty-three cases

a positive diagnosis of this disease had been made by the attending physician, in eleven cases it was stated not to be typhoid fever, and in the remainder no statement was made relating to the diagnosis. Of the negative results, twenty-eight were diagnosed as typhoid, ten were said not to be typhoid, and in forty-eight no diagnosis was made. Fifty-two were males and fifty-three females.

Summary for Ten Years, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912.

Diphtheria Cultures.

	No. Examined.	Males	Females	0-5	5-10	10-20	Over 20	Age not stated	No growth
1903	817	387	430	282	199	125	185	26	5
1904	1,429	629	800	537	400	231	261	34	29
1905	792	346	446	204	260	139	170	19	4
1906	968	407	561	282	370	158	152	6	6
1907	971	423	548	224	346	185	210	6	3
1908	1,293	542	751	278	421	238	150	6	3
1909	1,537	694	843	375	657	206	284	15	9
1910	1,062	448	614	341	247	235	222	17	6
1911	887	459	429	367	198	157	162	3	1
1912	651	312	329	165	179	95	192	20	2

	For Diagnosis	Clinical Diagnosis		Diph.	Clin. Diag.	not Diph.	Clin. Diag.	not stated
		Positive	Negative	Positive	Negative	Positive	Negative	
1903	360	56	35	11	122	27	109	
1904	406	72	37	11	96	59	131	
1905	263	15	23	10	76	36	103	
1906	419	55	60	14	130	47	107	
1907	462	45	34	10	104	52	217	
1908	524	57	48	14	96	92	217	
1909	637	54	28	18	121	117	299	
1910	540	24	31	14	144	52	275	
1911	372	24	30	10	116	19	172	
1912	325	15	27	7	112	19	145	

	For Release	
	Positive	Negative
1903	95	362
1904	233	761
1905	139	386
1906	35	464
1907	98	408
1908	136	630
1909	165	726
1910	75	447
1911	124	391
1912	72	254

Sputum for Tuberculosis.

	No. Examined	Males	Females	Positive	Clin. Diag. Tuberculosis	
					Negative	Positive Negative
1903	137	66	71	26	111	21
1904	124	54	70	28	96	29
1905	162	69	93	22	140	38
1906	175	95	80	9	166	44
1907	227	100	127	7	220	79
1908	173	84	89	14	159	59
1909	192	100	92	14	178	69
1910	185	88	97	36	149	46
1911	212	93	119	50	162	45
1912	251	126	125	97	154	18

	Clinical Diagnosis not		Clinical Diagnosis not stated	
	Positive	Tuberculosis Negative	Positive	Negative
1903	9	61	2	29
1904	11	43	3	24
1905	5	59	6	43
1906	1	85	1	37
1907	2	84	1	57
1908	3	63	2	43
1909	3	65	1	44
1910	12	73	6	30
1911	7	58	14	56
1912	20	55	55	81

Blood for Typhoid Fever.

	No. Examined	Males		Females		Clin. Diag. Typhoid Fever	
		Positive	Negative	Positive	Negative		
1903	72	39	33	27	45	18	7
1904	76	53	23	32	44	18	4
1905	78	45	33	26	50	11	1
1906	94	57	37	24	70	14	15
1907	110	58	52	45	65	25	10
1908	110	59	51	31	79	20	14
1909	150	89	61	52	98	33	24
1910	120	65	55	24	96	18	18
1911	100	58	42	29	71	24	10
1912	105	52	53	19	86	15	28

	Clin. Diag. not Typhoid Fever		Clin. Diag. not stated	
	Positive	Negative	Positive	Negative
1903	2	6	7	32
1904	0	6	14	34
1905	1	5	14	44
1906	0	8	10	47
1907	0	3	20	52
1908	0	6	11	59
1909	0	5	19	69
1910	0	5	6	73
1911	0	7	5	54
1912	1	10	3	48

Respectfully submitted,

FRANK L. MORSE,

Medical Inspector.

REPORT OF INSPECTOR OF ANIMALS AND PROVISIONS.

OFFICE OF THE BOARD OF HEALTH, CITY HALL, }
Somerville, Mass., January 1, 1913. }

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

Gentlemen,—I herewith submit the report of the inspector of animals and provisions for the year 1912. The following is a statement of the number of animals killed during the year at the five slaughtering establishments in the city:—

Swine, 1,179,057; sheep, 438,485; calves, 69,777; cattle, 34,339.

The work of all these establishments, being under the inspection of the United States government, requires only the inspection of the premises by the local inspector, who reports very favorably on the same.

The total number of neat cattle kept in the city is 165; swine, 114; cows, forty-eight; and goats, one, all of which have been inspected by me during the year. Under Chapter 381 of the Acts of 1911, all stables where neat cattle are kept have been visited several times this year, and all are now in good sanitary condition. All dairy rooms have also been visited by Mr. Bowman, the milk inspector, and all doors and windows have been screened, the premises cleaned and white-washed, and the ventilation improved. All of the factories, workshops, and laundries have been visited several times during the year, first-aid medicine chests installed, and proper sanitary conditions insisted upon in cases where needed. All stables have been visited and the owners required to disinfect and otherwise clean them as needed. There have been 4,307 horses examined in stables to determine the existence of contagious diseases. Fifty-nine were quarantined, and of this number fifty-four were killed and five released.

All of the blacksmiths' shops of the city have been disinfected to prevent the prevalence of contagious diseases. Five hundred and fifteen visits have been made to the barber shops and 642 visits to the bakeries and restaurants in the city, all of which will now be found in good condition.

There have been 3,171 visits made to stores and markets, and 1,261 pedlers' carts have been inspected from which fish, provisions, and produce were sold. The following articles have been condemned and destroyed:—

Meat.

Fresh beef, 1,192 pounds; corned beef, 863 pounds; mutton and lamb, 697 pounds; poultry, 921 pounds; liver, 105 pounds; fresh pork, 316 pounds; salt pork, 42 pounds; whole hogs, 6; sausages, 149 pounds; frankforts and bologna, 82 pounds; hamburger steak, 178 pounds; pigs' feet, 79 pounds; tripe, 67 pounds, veal, 237 pounds.

Fish.

Oysters, in shell, 1 bushel; oysters, 10 quarts; clams, in shell, $\frac{3}{4}$ bushel; clams, 15 quarts; haddock, 513 pounds; halibut, 314 pounds; pollock, 198 pounds; salmon, 61 pounds; sword fish, 24 pounds; shad, 52 pounds; blue fish, 19 pounds; herring, 297 pounds; mackerel, 158 pounds; lobsters, 16 pounds.

Vegetables.

White potatoes, 16 bushels; sweet potatoes, 11 baskets; squash, 14 barrels; greens, 16 bushels; onions, 8 bushels; carrots, $1\frac{1}{2}$ bushels; celery, 49 bunches; lettuce, 4 boxes; string beans, 8 crates; string beans, 2 bushels; cabbage, 8 barrels; cauliflower, 2 boxes; rhubarb, 14 boxes; tomatoes, 5 bushels; tomatoes, 11 baskets; beets, 82 bunches; yellow turnips, 14 barrels; asparagus, 193 bunches.

Fruit.

Cantaloupes, 27 crates; bananas, 205 dozen; apples, 9 barrels; blackberries, 38 quarts; raspberries, 47 cups; strawberries, 2 crates; oranges, 16 boxes; grape fruit, 7 boxes; lemons, $2\frac{1}{2}$ boxes; grapes, 21 baskets.

Miscellaneous.

Candy, 55 pounds; sugar, 130 pounds; flour, 40 bags; cereals, 380 packages; bread, 23 loaves; crackers, 134 packages; pickles, 9 gallons; salt, 38 pounds; lard, 19 pounds.

Assistance has been rendered when required to the agent, Mr. Page, in sanitary inspections of yards and premises and the conveyance of patients by ambulance to the Contagious Hospital.

Respectfully submitted,

CHARLES M. BERRY,
Inspector of Animals and Provisions.

REPORT OF THE INSPECTOR OF MILK AND VINEGAR.

LABORATORY OF THE INSPECTOR OF MILK AND VINEGAR, }
City Hall, Somerville, Mass., January 1, 1913. }

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

Gentlemen,—I herewith present my annual report for the year ending December 31, 1912.

By referring to the chart showing the routine work of the year it will be seen that there were sixteen less milk licenses granted this year than in 1911.

This is accounted for in part by dealers retiring permanently from the milk business and other stores have not changed owners as in previous years.

At the beginning of 1912 about seventeen per cent. of the stores carried bottle milk, and at the end of the year very nearly fifty per cent. carried milk in this manner, an increase of about thirty-three per cent. During the year every effort has been made to impress upon the minds of the dealers and the public that this is the only sanitary way to handle milk, and the results have been very satisfactory.

I wish to take this opportunity to thank my co-workers in the Health Department for the assistance they have rendered along these lines.

I believe a regulation requiring a dealer to post a sign over his milk tank stating as follows: "This milk is suitable for cooking purposes only," would assist the consumer, and go a long way to prevent the sale of poor milk.

Quality.

The quality of the milk sold in this city continues to improve. Dr. North of New York, an authority throughout the country on the subject of "pure milk," stated publicly a short time ago that Greater Boston has the finest milk supply of any large city in the world.

During the year 146 samples of milk have proved to be below the chemical standard, and 102 samples of milk high in bacterial content.

Of this number it was necessary to prosecute only eight dealers, all for second offense.

Dealers.

I wish to call the attention of the milk distributors to the absolute necessity of reporting to this office immediately any change in the source of supply and the correct name and address of each employee. In the event of an epidemic of a contagious disease appearing on the route of any dealer much time and inconvenience may be saved the dealer and

this department, and what is of more importance, much danger to the consuming public may be averted by having this information on file.

Bacteriological.

Routine examination of milk for type and numbers of bacteria has been continued throughout the year. A milk carrying large numbers of bacteria may be a dangerous article of food. The results of these examinations may be obtained by calling the board of health office on the telephone. A low bacterial count is only obtained by the most careful handling and scrupulous cleanliness at the dairy, in transit and by the distributor, and much inconvenience may be saved the consumers by availing themselves of this information before deciding from whom to purchase their supply of milk.

Pasteurization.

Dr. M. J. Rosenau defines pasteurization as follows: "Pasteurization is the simplest, cheapest, most effective and least objectionable method of destroying dangerous germs in milk. It prevents sickness and saves lives."

To properly pasteurize milk it must be held at 140 degrees Fahrenheit for twenty minutes and then *immediately* cooled. In the home this process might be called "parboiling," and is not-intended to preserve milk, but to destroy any *harmful bacteria* that may be present. When pasteurized at the proper temperature and time it is unchanged and cannot be distinguished from raw milk either in taste, odor, or appearance, yet such milk is *free* from the danger of conveying tuberculosis, typhoid fever, diphtheria, scarlet fever, and dysentery, and is much safer for infants.

A supply of safe fresh milk is the goal toward which all health officers are striving, but it must be remembered that with the most exacting care milk will occasionally become infected, and this sometimes happens even with certified milk. The reason is that people having an infectious disease in a mild form are not detected until the damage is done.

All our milk-borne epidemics have been traced to the use of raw milk, and not one single instance is on record in which a milk-borne outbreak has been traced to the use of pasteurized milk.

Many scientists unhesitatingly state that the tubercle bacillus, the typhoid and dysentery bacilli, the diphtheria bacillus, the cholera vibrio, the specific cause of scarlet fever, the streptococci, and other harmful micro-organisms which get into the milk are rendered harmless by being heated to sixty degrees centigrade (140 degrees Fahrenheit) for twenty minutes. It is fortunate that the temperature at which the pathogenic bacteria are destroyed is lower than those of the ferments

in milk, for in this manner the infection may be destroyed without injuring the quality.

Scarlet Fever.

During the week of July 20 seven cases of scarlet fever were reported on the route of one distributor, and in an adjoining town eight cases were reported during the same period, all supplied by the same party.

The milk supplied this distributor is produced at sixteen different farms in the east central part of this state.

Visits were made at the several dairies and a thorough investigation made. It appears that scarlet fever had been quite prevalent in this section for some time, and on July 16 a five-year-old grandchild of Mr. X., the owner of one of these dairies, was taken ill with this disease. This house was quarantined by the local board the next day, and on July 18 an inspector from the State Board of Health visited the place.

It had been the usual custom on this farm for the milk pails and strainers to be washed in the house by the daughter of Mr. X., and this was done on July 16 and 17, during which time she acted as nurse.

At this place there were nine cans of milk produced daily, and the milking was done by three men who were employed on this farm.

Interviews with Mr. X., his daughter, and the men who did the milking produced different stories regarding the washing of the milk utensils.

Mr. X. stated that they were washed at the barn. His daughter claimed that she washed them in the kitchen of the house, and the hired men asserted that they had washed them for over a year. In consequence of these discrepancies, and at the suggestion of the State Board of Health, the dealer was informed that unless the cows were removed from the premises, and a definite knowledge of the manner in which the milk was handled could be obtained, none of the milk could be brought to this city for distribution, and it was arranged that the cows should be taken to a farm about one-half mile distant, there to be kept until the quarantine was removed from the house.

It appears that the infection of the milk must have been during the 16th or 17th of July, as, a few days after these precautions were established, no new cases developed, and the epidemic subsided as quickly as it appeared.

TABLE A.—SHOWING WORK ACCOMPLISHED DURING 1912.

Months.	License Issued.	License Fees.	Analytical Fees.	Cash paid City Treas.	Analyses on Account.	Total Income for Dept.	Chemical Collections.	Bact. Collections.	Total Collections.	Samples left at Office.	Total Analyses.	Chem. Notices.	Bact. Notices.	Sanitary Notices.	Total Notices.	Infected Samples.
January	20	\$10.00	\$4.00	\$14.00	\$6.50	\$20.50	82	80	162	21	183	3	1	11	15	1
February	12	6.00	1.00	7.00	24.00	31.00	101	74	175	50	225	16	2	9	27	0
March	8	4.00	13.50	17.50	20.00	37.50	88	44	132	67	199	6	3	8	17	0
April	11	5.50	8.00	13.50	38.00	51.50	80	80	160	92	252	...	...	...	...	0
May	311	155.50	6.50	162.00	22.50	184.50	72	20	92	45	137	10	2	6	18	0
June	126	63.00	3.00	66.00	9.50	75.50	95	40	135	19	154	11	0	12	23	1
July	17	8.50	3.00	11.50	18.50	30.00	83	71	154	43	197	23	8	16	47	1
August	15	7.50	5.50	13.00	31.50	44.50	107	80	187	45	232	20	28	12	60	0
September	8	4.00	1.50	5.50	8.00	13.50	55	40	95	19	114	13	8	4	25	0
October	15	7.50	.....	7.50	17.50	25.00	97	100	197	35	232	27	19	7	53	0
November	4	2.00	2.50	4.50	7.00	11.50	80	42	122	19	141	10	28	23	61	0
December	12	6.00	3.00	9.00	15.50	24.50	61	69	130	37	167	7	3	10	20	2
Total	559	\$279.50	\$51.50	\$331.00	\$218.50	\$549.50	1,001	740	1,741	492	2,233	146	102	118	366	5

During the year 55 samples of butter, vinegar and oleomargarine were examined and 1,500 dairies have been examined for visible dirt by the Lorenz method.

Condensed Milk.

Last year I submitted figures to prove that this much-used article of food is in my opinion not always what it should be.

At that time it did not compare favorably with pure raw milk in price or cleanliness. To show the cost of a quart of the diluted product made by adding an equal quantity of water to each can of condensed or evaporated milk I submit the following table compiled by Professor James O. Jordan, milk inspector for the city of Boston:—

TABLE SHOWING RELATIVE VALUE OF CONDENSED MILK.

NAME.	PRICE.	Approximate volume of product in ounces by diluting contents of can with an equal amount of water.	Approximate cost of a quart of the product based on purchase price and diluting contents with equal volume of water.
Challenge	\$.10	20.3	15.8
Eagle .....	.15	24.3	19.7
Grandmothers .....	.10	22.6	14.1
Shamrock .....	.09	19.3	14.9
Smith's Elk .....	.11	21.3	16.5
Hires .....	.11	22.6	15.5
Eclipse .....	.12	22.9	16.8
Vermont .....	.10	22.9	14.0
Standard .....	.11	22.6	15.5
Defiance .....	.10	19.6	16.3
Gold .....	.10	29.4	10.9
Pet .....	.10	21.6	14.8
Peerless .....	.05	11.1	14.3
Peerless .....	.10	29.1	11.0
Van Camps .....	.09	29.1	10.0
St. Charles .....	.07	28.7	7.8
Globe .....	.07	29.6	7.6

Flies.

Probably the most common method of transmission of typhoid bacilli to milk is through the handling of milk with fingers soiled with typhoid excreta, yet there is no doubt that the typhoid fly (common house fly) is capable of transmitting the germs by traveling over the excreta, then alighting on the edge of some milk utensil or bathing in the milk.

Allow such milk to stand a few hours, especially in a warm room, and the possibility of feeding typhoid bacilli to a number of people at the same time is good. It is good policy to screen all openings in the stable, especially in the milk room.

It is estimated that over one million dollars is expended annually for screens in the United States because someone leaves filth and dirt scattered promiscuously about in which flies may breed.

"Flies in the dining room usually precede a nurse in the

sick room, and screens on the windows may prevent crepe on the door."—Healthologist.

Despite out-door precautions flies will multiply.

Despite screens flies will enter human habitations.

By taking advantage of the following suggestions the number of flies may be materially lessened: Flies dislike mignonette blossoms (they avoid rooms containing them), common white clover (the blossoms in vases set about the room seem to irritate the fly and cause it to seek other surroundings).

Carbolic acid, twenty drops on a hot stove lid or shovel, causes them extreme discomfort, and will help drive them from the room. When carbolic acid is used all but one shade should be drawn, and the room is thus rendered semi-dark. A single window or door should be wide open to permit egress.

Bichromate of potash, one dram in two ounces of sweetened water, kills them. Numerous so-called poisonous fly-papers are equally effective.

Poisons cannot be universally recommended.

Formaldehyde in water, one tablespoonful to a pint, left in a room will drive them away.

The fumes from formaldehyde candles, for sale by many druggists, will drive them out of the house. These candles also fumigate the home. However, they cannot be used while the rooms are occupied, and will readily kill any animal life they may reach.

Common commercial disinfectants and deodorizers will help exterminate the fly. Discrimination, however, is needed in purchasing these preparations. Some are wholly worthless. The advice of a competent person should be sought before they are purchased.

The above are not exterminants, but are recommended by the United States Bureau of Entomology. Some of the remedies outlined may kill the fly, others will drive them from the premises. All of them are good materials to use in the combat against this insect.

Legislation.

There can be no doubt that the great number of measures introduced annually to the legislature endeavoring to regulate the production, distribution, and sale of milk in this commonwealth are causing such a controversy as to injure dealers and consumers alike.

While some of the people who instigate such measures are honest and sincere in their purpose the consuming public are reaping a reward in many ways never contemplated.

The publicity given to milk legislation in the past three years has had a tendency to irritate and antagonize the producer and distributor, make the consumer uncertain as to the

quality of the milk he is receiving, and is in my opinion uncalled for.

It seems to me that as Greater Boston now has the finest milk supply of any large city in the world, and this condition has been brought about by LOCAL BOARDS OF HEALTH, it is only reasonable to expect them to be able to show in the next few years a reasonable improvement.

Such important changes cannot be brought about in a moment, and much time is being wasted in misdirected effort.

Oleomargarine.

There are seventeen dealers licensed to sell butterine until May 31, 1913.

One dealer was prosecuted for selling without a license.

Vinegar.

Routine examinations were made of samples of vinegar during the year, and all, with two exceptions, were found to be of good standard quality.

Recommendations.

1. That milk be sold in bottles only and when dealers persist in selling tank or can milk that they be required to display a sign which states that "This milk is suitable for cooking purposes only" (required in New York at the present time).

2. That milk distributors be required by law to pay a nominal license fee for *each* team used (the same as stores are now required to do).

3. That it shall constitute a misdemeanor for milk dealers to use bottles redeemed from the ash heap. That junk dealers be prohibited having same in their possession.

4. That no dealer be allowed to bottle milk unless containers have been sterilized with *live steam*.

5. That consumers purchase only bottled milk, refusing to patronize a dealer who handles milk in any other way.

6. That consumers report to this office any violation of the milk rules and regulations that may come to their attention.

7. That consumers consult this department in regard to the sanitary condition of dairies and bottling establishments through whom they obtain their milk supply.

8. That physicians report by telephone to this office cases of enteritis and tonsilitis, with the name of the dealer supplying the milk.

The health department in a community is able to control disease in proportion to the completeness and exactness of its knowledge of the occurrence of cases. With full information

of existing cases it can work effectively; it can direct its efforts at prophylaxis against the disease itself; it can work in the light of knowledge of the situation.

When there are a number of cases of any disease there is usually some one or more sources from which it is being spread, and it is only when cases are reported that the health department can ascertain their relationship to each other, or their common source of infection when such exists.

It is only through the notification of cases that outbreaks due to infected milk can be recognized and proper remedies applied.

9. That the public screen all doors, windows, and porches, and assist in every way to exterminate the fly.

Appreciation.

I wish to express my appreciation to the members of the board of health and others who have cheerfully assisted me in carrying on my work, and also to the Somerville press, who have kindly given me space to express my views on the milk question.

Respectfully submitted,

HERBERT E. BOWMAN,

Inspector of Milk and Vinegar.

SUPPORT OF POOR DEPARTMENT.

Board of Overseers of the Poor.

HENRY F. CURTIS, M. D., President.
ALBERT W. EDMANDS, Vice-President.
PHILIP KOEN.

Committees.

ON FINANCE, INVESTIGATION AND RELIEF, AND CITY HOME—Dr. Curtis,
Mr. Edmands and Mr. Koen.

Secretary.

CORA F. LEWIS.

General Agent.

CHARLES C. FOLSOM.

City Physician.

C. CLARKE TOWLE, M. D.

Warden and Matron, City Home.

Mr. and Mrs. J. FOSTER COLQUHOUN.

Office.

City Hall Annex, Highland Avenue.

REPORT OF OVERSEERS OF THE POOR.

Somerville, Mass., December 31, 1912.

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

Gentlemen,—Herewith the Board of the Overseers of the Poor presents its report for the year 1912, which includes reports of the agent and the warden of the city home.

With extremely favorable weather conditions, and a good demand for labor, we have had this year little pressing and unusual call for aid.

In spite of this, the increased charges from outside cities and towns and a natural growth in the cost of supplies have brought the aggregate of expense very near the figures submitted for the yearly outlay of this department, and we have felt it impossible, even with the greatest economy, to keep within our given appropriation.

It seems as if, this year more than usual, we have realized the effect of higher prices. The usual amounts have been given, but the reduced purchasing power has caused more frequent demands.

At the city home a favorable condition of the market has yielded better prices for our crops, enough to offset the increase in price for purchases, and the loss of income from sundry boarders.

Our hospital annex is, as we may say, complete, and is proving a very convenient and necessary addition, for which we are duly grateful.

An office for the warden and a waiting-room of some kind for those who come to visit inmates is here very much needed, as, outside of the rooms of the family, there is no place but the dining room where people can be received.

The work in the different departments through the year has been most satisfactory.

Very respectfully,

HENRY F. CURTIS,	} Overseers	
A. W. EDMANDS,		} of the
PHILIP KOEN,		} Poor.

REPORT OF THE GENERAL AGENT.

Somerville, Mass., December 31, 1912.

To the Overseers of the Poor, Somerville, Mass.:—

Gentlemen,—There has been expended in the year just closed under the direction of your board the sum of \$28,200.30, divided as follows: Miscellaneous Account, \$19,201.33, and City Home Account, \$8,998.97. The warden's report gives details of the latter expenditures. In reference to the Miscellaneous Account I will explain why we expended \$2,873.77 more than we did the previous year.

We paid other cities and towns \$1,547.85 more last year than the year before. We cannot control this item of expense. All we can do is to be sure that the persons so aided belong to us, and that the expenditure was necessary and reasonable.

We also paid out \$817.75 more for food than in the previous year, also more for medicine, burials, fuel, and to the Somerville Hospital. The total amount does not always increase steadily year by year, but varies. Next year we may have to expend more than we ever have in a year before, or the expense may be less.

We investigate each case as it comes up both in the city and out, and do what seems to us best under the circumstances. In my judgment the law is correct in allowing the board to expend what seems to it necessary, and not be obliged to keep within the appropriation.

Many of our people believe we should spend more money for the poor than we have done in the past, and this may be true, but I think there is as little suffering in this city as in any of its size in the commonwealth. The work of the department is fully abreast that of other cities.

In this, my twenty-eighth year with the board, I wish to thank each member and all others connected with the department, including our able and conscientious city physician, Dr. Towle, for the very cordial relation that has and does exist in the work of the department.

Very respectfully,

C. C. FOLSOM,

General Agent.

Table No. 1.**FULL SUPPORT (DURING THE YEAR).**

In city home (men 37, women 22)	59
In city home December 31, 1912 (men 19, women 18)	37
In private families	4
In hospitals for the sick in other towns, cities, and state	105
In care of state division minor wards	4

Table No. 2.**PARTIAL SUPPORT (OUTDOOR RELIEF).**

Families	297
Persons aided (including hospital cases)	1,220
Burials	8
Permits to state infirmary	16
Average expense to the city for each (carriage for two)	\$1 11

Table No. 3.**REIMBURSEMENTS.**

Commonwealth of Massachusetts	\$1,471 70
City of Boston	782 04
" " Cambridge	658 79
" " Chelsea	2 86
" " Chicopee	24 29
" " Everett	156 00
" " Gloucester	6 90
" " Haverhill	31 43
" " Holyoke	15 71
" " Lowell	4 29
" " Lynn	21 43
" " Malden	29 30
" " Medford	147 78
" " New Bedford	2 05
" " Newton	147 68
" " Quincy	65 71
" " Springfield	12 92
" " Woburn	19 70
" " Worcester	5 80
Town of Arlington	5 71
" " Burlington	78 41
" " Falmouth	19 29
" " Hanover	60 81
" " Hudson	12 86
" " Middleboro	27 14
" " Orange	51 43
" " Provincetown	15 73
" " Saugus	45 64
" " Sheffield	30 00
" " Walpole	21 43
" " Weston	4 28
" " Whitman	112 92
Board of Health (for cash paid in Board of Health case)	6 10

 \$4,098 13

Table No. 4.

SOMERVILLE HOSPITAL (PATIENTS ON CITY BEDS).

Patients having settlement in Somerville	103
Patients having settlement in other cities or towns	67
Patients having no settlement (chargeable to state)	81
Total number of patients sent to hospital	251
Money paid hospital by the city for patients settled in Somerville	\$5,000 00
Amount reimbursed to the city and paid to the hospital for patients not settled in Somerville	2,122 88
<hr/>	
Total paid to the hospital	\$7,122 88

Table No. 5.

POPULATION AND GROSS EXPENDITURES, 1883 TO 1912, INCLUSIVE.

Year.	Population (Estimated).	Expenditures.
1883	27,000	\$15,959.80
1884	28,000	17,272.52
1885	*29,992	16,430.32
1886	32,000	14,341.83
1887	34,000	13,430.89
1888	36,000	13,375.98
1889	39,000	14,610.92
1890	*40,117	15,261.14
1891	43,000	15,980.49
1892	46,000	17,015.30
1893	48,000	17,799.58
1894	50,000	19,733.13
1895	*52,200	20,755.46
1896	54,000	21,999.79
1897	56,000	25,681.47
1898	57,500	28,522.21
1899	60,000	28,924.39
1900	*61,643	{ Miscellaneous, \$23,697.62 } { City Home, 5,528.83 } 29,226.45
1901	62,500	{ Miscellaneous, \$29,171.15 } { City Home, 6,622.43 } 35,793.58
1902	63,500	{ Miscellaneous, \$28,667.04 } { City Home, 7,396.64 } 36,063.68
1903	65,500	{ Miscellaneous, \$30,470.20 } { City Home, 7,548.39 } 38,018.59
1904	69,500	{ Miscellaneous, \$20,476.54 } { City Home, 6,563.11 } 27,039.65
1905	*69,272	{ Miscellaneous, \$17,527.88 } { City Home, 7,474.36 } 25,002.24
1906	72,000	{ Miscellaneous, \$18,237.53 } { City Home, 6,806.79 } 25,044.32
1907	74,000	{ Miscellaneous, \$17,852.20 } { City Home, 7,001.23 } 24,853.43
1908	75,500	{ Miscellaneous, \$17,955.34 } { City Home, 6,875.56 } 24,830.90
1909	75,500	{ Miscellaneous, \$16,843.17 } { City Home, 7,562.83 } 24,406.00
1910	*77,236	{ Miscellaneous, \$16,110.42 } { City Home, 7,695.89 } 23,806.31
1911	78,000	{ Miscellaneous, \$16,327.56 } { City Home, 7,842.03 } 24,169.59
1912	81,000	{ Miscellaneous, \$19,201.33 } { City Home, 8,998.97 } 28,200.30

*Census.

Table No. 6.

EXPENDITURES, IN DETAIL, FOR THE YEAR 1912.

1912.	Medicine.	Board.	Groceries.	Somerville Poor in Other Cities and Towns.	Boots and Shoes.	Dry Goods.	Burials.	Salaries.	Fuel.	Sundries.	Cash Paid Out.	Telephone.	Stationery and Printing.	Somerville Hospital.	State Infirmary.	Nursing.	Mass. Hospital School.	Total.
January . .	\$52.98	\$165.98	\$814.00	\$858.78	\$13.25	. . .	\$10.00	\$334.66	\$169.52	\$6.00	\$26.00	\$17.91	\$3.25	. . .	\$12.86	\$37.75	. . .	\$2,522.94
February . .	54.77	97.44	470.50	719.99	. . .	. . .	25.00	316.66	113.31	12.00	3.45	8.22	7.97	. . .	57.15	6.75	. . .	1,893.21
March . . .	6.80	137.16	514.25	117.28	. . .	. . .	10.00	341.67	107.72	1.50	13.35	8.34	29.00	\$400.00	. . .	8.75	\$45.14	1,740.96
April	3.30	124.66	467.50	544.76	. . .	. . .	. . .	363.99	4.51	6.30	11.05	6.94	. . .	133.33	. . .	24.54	. . .	1,690.88
May	47.46	106.86	484.50	95.58	9.50	. . .	5.00	333.99	. . .	. . .	35.06	4.00	6.75	133.33	49.14	21.25	44.57	1,376.99
June	9.92	128.16	466.50	20.00	. . .	. . .	73.00	324.99	. . .	. . .	13.85	6.85	1.88	133.33	. . .	15.25	. . .	1,193.73
July	10.71	90.72	396.50	574.86	. . .	. . .	15.00	324.99	. . .	. . .	5.65	10.34	. . .	133.33	. . .	4.00	. . .	1,566.10
August . . .	9.10	101.44	511.25	434.42	. . .	. . .	. . .	324.99	. . .	. . .	8.65	14.55	. . .	133.33	. . .	14.71	. . .	1,552.44
September .	40.83	135.52	535.50	164.33	. . .	. . .	. . .	342.32	. . .	. . .	3.80	8.61	. . .	133.33	. . .	1.50	52.57	1,418.31
October . . .	10.60	127.86	480.50	190.00	4.25	\$2.00	26.00	356.99	. . .	4.10	4.75	8.30	. . .	133.33	. . .	24.00	. . .	1,372.68
November . .	9.35	127.09	382.00	517.30	. . .	. . .	. . .	356.99	162.75	. . .	6.17	8.40	9.50	133.33	26.50	. . .	. . .	1,739.38
December . .	. . .	78.08	. . .	. . .	. . .	. . .	. . .	359.76	. . .	7.25	4.95	. . .	. . .	656.24	. . .	. . .	27.43	1,133.71
Totals . . .	\$255.82	\$1,420.97	\$5,523.00	\$4,237.30	\$27.00	\$2.00	\$164.00	\$4,082.00	\$557.81	\$37.15	\$136.73	\$102.46	\$58.35	\$2,122.88	\$145.65	\$158.50	\$169.71	\$19,201.33

Overseers of the Poor of Somerville.**SINCE THE REORGANIZATION IN 1885.**

†Hon. Mark F. Burns, chairman ex-officio	1885		1888 inclusive
†Colonel Herbert E. Hill	1885		1889 “
†Charles S. Lincoln, Esq., chairman	1885		1887 “
Hon. Edward Glines	1885		1887 “
†Charles G. Brett (president 1888-1892	1885	April	1893 “
Edward B. West (president May, 1894-1912)	1888	to	1911 “
†Daniel C. Stillson	1888	April	1892 “
†Hon. Charles G. Pope, chairman ex-officio	1889		1891 “
Nathan H. Reed (president 1893 to April, 1894)	1890	April	1894 “
†Hon. William H. Hodgkins, chairman ex-officio	1892		1895 “
James G. Hinckley	May 1892		1894 “
Albert W. Edmands	May 1893	to date*	“
Herbert E. Merrill	May 1894		1909 “
†Ezra D. Souther	1895.	Feb.	1898 (Died)
Hon. Albion A. Perry, chairman ex-officio	1896		1898 inclusive
James H. Butler	March 1898		1899 “
Hon. George O. Proctor, chairman, ex-officio	1899		
Henry F. Curtis, M.D.	1910	to date*	“
Philip Koen	1912	to date*	“

*Present member.

†Deceased.

Table No. 7.**RECAPITULATION (MISCELLANEOUS).**

Appropriation	\$16,500 00	
Reimbursements	4,098 13	
	<hr/>	
Total receipts		\$20,598 13
Total expenditures		19,201 33
		<hr/>
Balance		\$1,396 80
Net expenditures		\$15,103 20

REPORT OF WARDEN OF CITY HOME.

City Home, January 1, 1913.

To the Overseers of the Poor, Somerville, Mass.:—

Gentlemen,—I submit the following as the report of the warden of the city home for the year ending December 31, 1912:—

Table No. 1.

REIMBURSEMENTS.

Farm produce sold	\$4,283 16	
Board of sundry persons	817 52	
		\$5,100 68

Table No. 2.

LIVING EXPENSES.

Salaries and wages	\$3,180 97	
Groceries and provisions	2,384 16	
Dry goods	406 04	
Boots and shoes	75 13	
Hay and grain	977 70	
Seed	92 25	
House furnishings	79 50	
Kitchen furnishings	37 06	
Sundries	243 13	
Cash paid by warden, car fares for warden, inmates, and laborers	86 10	
Medicine	82 82	
Horse shoeing	40 00	
Live stock	278 95	
Repairs on sash	19 06	
Repairs on wagons	77 90	
Telephone	40 22	
Farm sundries	322 24	
Pig account	407 30	
Ice	50 05	
		\$8,880 58
Credits:—		
Farm produce	\$4,283 16	
Board of sundry persons	817 52	
		\$5,100 68
Net living expenses		\$3,779 90

Table No 3.

Number of weeks' board of inmates	1,845
Number of males admitted during 1912	21
Number of females admitted during 1912	10
Number of males discharged during 1912	16
Number of females discharged during 1912	7
Number of males supported during 1912	37
Number of females supported during 1912	22
Number of males died during 1912	7
Number of females died during 1912	1
Number of inmates in home December 31, 1912	37

Table No. 4.**FARM ACCOUNT.
REIMBURSEMENTS.**

Farm produce sold	\$4,283 16	
Produce used at city home	300 00	
Milk used at city home	438 00	
	<hr/>	\$5,021 16

EXPENSES.

Wages for help	\$1,143 15	
Feed for one horse	162 81	
Feed for three cows	488 43	
Shoeing one horse	13 33	
Repairs on wagons and sash	102 90	
Farm sundries	279 24	
Garbage and bedding	407 30	
Live stock	278 95	
Seed	92 25	
	<hr/>	\$2,968 36
Balance		<hr/> \$2,052 80

Table No. 5.**REPAIRS.**

Repairs on pig yard		
Painting wall and general repairs	\$118 39	
Living expenses	8,880 58	
	<hr/>	\$8,998 97

Table No. 6.

Reimbursements	\$5,100 68	
Net expenditures	3,898 29	
	<hr/>	\$8,998 97
Total expenditures	\$8,998 97	
Appropriation	8,500 00	
	<hr/>	\$498 97
Overdrawn		\$498 97

Respectfully submitted,

J. FOSTER COLQUHOUN,

Warden.

REPORT OF THE CITY PHYSICIAN.

OFFICE OF THE CITY PHYSICIAN,
Somerville, January 1, 1913.

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—The work of your city physician during the year 1912 is presented in the following abstract:—

Office consultations and treatments	748
Total outside visits	1,263
Confinements	15
Vaccinations	170
Visits at city home	53
Attended at police station	45
Examinations:—	
For legal department	20
For highway department	16
For police department	1
For fire department	1

Respectfully submitted,

C. CLARKE TOWLE,

City Physician.

REPORT OF THE CITY ENGINEER.

OFFICE OF THE CITY ENGINEER, }
CITY HALL, SOMERVILLE, January 28, 1913. }

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, 1912, by the Engineering department and appropriations under my charge and supervision, including the accounts of City Engineer, Grade Crossings, Sewers Construction, Sewers Maintenance, Public Grounds, Parks and Playgrounds and other public works, is herewith presented.

ENGINEERING DEPARTMENT.

City Engineer Account.

Statement of Expenses, 1912.

Salary of City Engineer	\$3,000 00	
Salaries of assistants (see itemized statement following)	7,634 10	
Stakes, tools, and general supplies (outside work)	159 26	
Draughting materials and office supplies (inside work)	211 99	
Car fares	200 45	
Maintenance of automobile	500 66	
Setting stone bounds	50 15	
Telephone, postage, expressing, and incidentals	141 39	
Total debit		\$11,898 00
CREDIT.		
Appropriation	\$11,500 00	
Amount received for making acceptance plans	68 00	
Amount received from other accounts, services rendered	330 00	
Total credit		\$11,898 00

Classification of Expenses, Assistants' Salaries.

Sewers,—comprising surveys, estimates, profiles, lines, grades, titles, plans, assessments, and all engineering work relating to sewers	\$1,363 80
Highways,—comprising plans, estimates, titles, profiles, lines and grades, inspection of paving, and all other engineering relating to the department	982 70

Sidewalks,—comprising profiles, lines, grades, measurements, titles, costs, and assessments	697 40
Bridges and Grade Crossings,—comprising surveys, plans, profiles, estimates, lines and grades, etc.	132 90
Water Works,—comprising lines, grades, locations of mains, gates, hydrants and services, and other matters relating to the department	443 40
Public Grounds and Parks,—comprising surveys, plans, estimates, profiles and grades, including laying out of parks and playgrounds and boulevards	777 30
Public Buildings,—comprising surveys, estimates, lines and grades, and other work relating to construction and laying out of grounds	103 80
Street Numbering,—comprising locations of buildings, plans, and affixing street numbers on houses	236 50
Street Lines and Grades,—comprising establishing of lines, grades, and miscellaneous data given parties for building and grading	181 80
City Survey,—comprising establishing of street lines, acceptance plans, and miscellaneous survey work for city map, etc.	756 20
Middlesex Registry,—comprising copying of plans, and abstracts from deeds and examination of titles filed at East Cambridge, also tracings of street acceptance and sewer taking plans filed for record,	175 10
Private Corporations, Railway, Telephone, Electric Light, and Gas Light Companies,—comprising grades, plans, profiles, and office notes, locations of poles and conduits	143 40
Stone Bounds,—locating and setting	147 50
Office Work,—comprising records of all locations, indexing, typewriting, bookkeeping, calculations, reports, and general draughting	814 50
Miscellaneous Work,—comprising preliminary surveys, designs, sketches, etc., relating to various schemes for different committees	141 20
Vacations, Holidays, and Sickness	536 60
Total	<hr/> \$7,634 10

Office Records and Value of Instruments.

Number of survey note-books, sewer permit books, deed books, calculation books and record books,—three hundred and thirty-five.

Number of plans, including sewers, highways, parks, house lots, etc.,—six thousand eight hundred and ten.

Value of field instruments, tools, and office instruments \$2,500 00

The number of assistants employed during the year on engineering work varied from eight to eleven.

The total cost of maintaining the Engineering department (City Engineer account) since it was established (1872-1912, both years inclusive) has amounted to \$308,223.61.

General Work. Under the title of Engineering Department a varied line of city work is carried on each year,

including the designing and superintending of the construction and maintenance of sewers, parks, playgrounds, boulevards, bridges, and other public works as may be authorized; the making of such surveys, plans, profiles, estimates, descriptions of property, specifications and contracts for work as the mayor, board of aldermen, or any committee or department may require; the custody of all plans and data relating to the laying out, widening, or discontinuing of streets, and the recording and indexing of all work under the control of the city engineer.

The city ordinances require that the city engineer must be consulted on all work where the advice of a civil engineer would be of service; and no structure of any kind can be placed upon, beneath, or above any street by any department of the city, corporation, or individual, until a plan is furnished showing the location and approved by him.

During the year the department made plans and established grades for the acceptance, under the betterment act, of fifteen new public streets, a total length of 6,917 feet.

Ten plans have been made of private streets for acceptance as public streets during the year, as ordered, but not as yet made public, and there are plans for acceptance of nine other private streets, previously made, on file in the office that for various reasons are still unaccepted as public ways.

Stone bounds have been set in Portland cement concrete at a number of street intersections and angles to define and preserve the true lines of public streets, and this work should be continued as much as possible each year. These bounds are also of great convenience in establishing permanent "Bench Marks" throughout the city for giving grades.

On account of the appropriation but one bound was set in 1912, on Giles Park, southwesterly side, at end of street.

In the report of 1907 a table was compiled from old reports, maps, and office notes, showing the location of stone bounds, as set, for defining street lines and angles; the year when set, and whether existing or removed at the present time, from 1860 to 1907; inclusive, and in the following reports a list of bounds set during each year. There are at the present time 572 stone bounds set in the city for defining street lines.

The total length of public streets in the city is 77.987 miles, and private streets 20.055 miles. (See table in this report for location, width, length, etc.)

Streets Accepted as Public Highways in 1912, under the Betterment Act.

NAME OF STREET.	WARD.	FROM	To	Width in Feet.	Length in Feet.	Date of Acceptance.
Acadia park . . .	6	Somerville ave. .	Northeasterly .	40	256	Dec. 27
Fisk ave.	5	Lowell st. . . .	Hinckley st. . .	20	484	Dec. 27
Frederick ave. . .	6	Willow ave. . . .	Boston ave. . . .	40	1,175	Dec. 27
Greenville st. . .	3	{ East'ly sidewalk { widened	Medford st. s'ly	.....	196	Dec. 27
Henderson st. . .	5	Richardson st. . .	{ B. & M. R. R., { So. Div.	20	569	Dec. 27
Landers st. . . .	3	School st.	Westerly	40	228	Dec. 27
Ossipee rd. . . .	7	Mason st.	Packard ave. . .	40	633	Dec. 27
Rhode Island ave.	1	Mystic ave. . . .	Pennsylvania ave.	40	460	Nov. 20
Russell rd. . . .	7	Broadway	Angle	40	559	Dec. 31
St. James ave. . .	7	Summ er st. . . .	Northerly	30	125	Dec. 27
Sunnyside ave. . .	4	Wigglesworth st.	Walnut st. . . .	25 to 35	306	Dec. 27
Walnut rd.	4	Walnut st.	Kenneson rd. . .	40	270	Dec. 27
Water st.	2	South st.	Northerly	25	366	Dec. 27
Waterhouse st. . .	7	Broadway	Cambridge line .	40	987	Dec. 27
Wisconsin ave. . .	1	Broadway	Pennsylvania ave.	50	499	Nov. 20
Total . . . . .	..	. . . . .	(1.310 miles)	.....	6,917	.....

Length of Public Streets in Each Ward.

	Miles.
Ward one	9.712
Ward two	8.670
Ward three	7.522
Ward four	9.499
Ward five	11.827
Ward six	12.892
Ward seven	17.865

Total length of public streets in the city . 77.987

A number of street names have been changed and plans made showing a re-numbering of the buildings, and all old numbering plans revised, new houses plotted, and numbers assigned.

Some of the old main thoroughfares should be re-numbered throughout their entire length, so as to eliminate half numbers and letters now being used, as many of these old streets have outgrown their original numbering.

There are many streets, avenues, courts, and places in the city of the same or very similar name, which should be changed to prevent the confusion and inconvenience now existing.

South street, between Medford street and Water street, a length of 990 feet, has been paved with granite blocks, averaging six inches in depth, grouted with pebbles and cement, laid with a sand and cement cushion one inch in thickness, on a Portland cement concrete base four inches in thickness.

This pavement was laid by contract at the following cost:—

C. W. Dolloff & Co., contractors:—

Laying 2,216.3 square yards granite block paving, concrete base	\$6,094 83
Extra work, resetting curbstone	51 75

Total cost of work	\$6,146 58
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Average cost, \$2.77 per square yard for cement-grouted granite block pavement laid on concrete base, including all incidental work.

This same kind of pavement will probably be extended during the coming year in Water street to the freight yard on the Fitchburg division of the Boston & Maine railroad, completing a suitable roadway for heavy teaming, which has long been needed.

Holland street, between Thorndike street and Moore street (excepting the area used by the street railway), a length of 1,583 feet, has been constructed with a Portland cement concrete base, five inches in thickness, and a bituminous wearing surface three inches in thickness; the excavation and concrete base being done by contract, and the wearing surface by the city's Highway department.

The street railway tracks were re-laid by the company at their expense, the granite block pavement between the tracks being grouted with Portland cement.

This work completed the pavement of Holland street and cost as follows:—

C. W. Dolloff & Co., contractors:—

Excavation and laying 4,140 square yards concrete base	\$3,933 00
Laying 3,167 linear feet granite block brow-stone	475 05
Extra work, resetting curbstone	57 00

Cost of work done by contract	\$4,465 05
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City, Highway Department (day labor):—

Constructing 4,632 square yards bituminous wearing surface:—	
Labor, teaming, rolling	\$981 36
Stone used (trap rock)	739 62
"Tarvia" used	2,232 69

\$3,953 67

Total cost of work	\$8,418 72
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Average cost, \$1.82 per square yard for street construction with bituminous wearing surface laid on a concrete base.

Prospect street, between Webster avenue and the Cambridge city line, a length of 1,022 feet, has been constructed with a bituminous wearing surface on a concrete base, the same as Holland street, previously described, at the following cost:—

C. W. Dolloff & Co., contractors:—

Excavation and laying 3,869 square yards concrete base	\$3,095 20
City, Highway Department (day labor):—	
Constructing 3,869 square yards bituminous wearing surface:—	
Labor, teaming and rolling	1,109 70
Stone used (trap-rock)	947 65
“Tarvia” and oil used	948 93
Resetting curbstone	44 85

Total cost of work \$6,146 33

Average cost, \$1.59 per square yard for street construction with bituminous wearing surface laid on a concrete base.

Beacon street, between Park street and Oxford street (Fitchburg Railroad bridge), a length of about 3,148 feet, has been constructed with trap-rock, using “tarvia” for a binder, the work being done by the Highway department, day labor, at the following cost:—

Constructing 6,996 square yards pavement:—	
Labor, teaming, rolling	\$4,151 02
Stone used (trap-rock)	3,864 00
“Tarvia” used	2,729 89

Total cost of work \$10,744 91

Average cost, \$1.54 per square yard for street construction with bituminous wearing surface.

Pearl street, between Cross street and Mt. Vernon street, a length of 2,017 feet, has been improved, using the same form of construction as Beacon street, previously described, the work being done by the Highway department (day labor) at the following cost:—

Constructing 5,344 square yards pavement:—	
Labor, teaming, rolling	\$3,152 64
Stone used (trap-rock)	2,120 38
“Tarvia” used	1,677 57

Total cost of work \$6,950 59

Average cost, \$1.30 per square yard for street construction with bituminous wearing surface.

Construction work has been continued on Broadway (northeasterly side) between Fellsway East and Temple street, a length of 1,687 feet, using the same kind of pavement as in previous years, a bituminous wearing surface, the work being done by the Highway department, day labor, at the following cost:—

Constructing 5,633 square yards pavement:—	
Labor, teaming, rolling	\$2,115 59
Stone used (trap-rock)	1,494 60
“Tarvia” used	1,281 69

Total cost of work \$4,891 88

Average cost, \$87 per square yard for street construction with bituminous wearing surface.

The total length of permanent paved streets in the city amounts to 10.3 miles.

The policy recently adopted of permanently constructing the city's main thoroughfares in preference to side streets has commenced to show good results.

In a few years' time, by the continuation of permanently constructing the remaining roadways, namely, on Broadway (Winter Hill to the Arlington line), Summer, Elm, and Washington streets, and completing Beacon street, the city will have main thoroughfares that will compare favorably with any city in the state.

Six new streets have been constructed during the year, with a "tarviated" trap-rock surface, a length of 3,623 feet (0.68 mile), costing \$11,847.78, where betterment assessments have been levied on the abutting property amounting to \$5,923.91; the average cost of this construction being \$1.17 per square yard, which includes cost of granite paved gutters.

Three streets have been constructed, "tarvia" being used as a binder, a length of 6,011 feet (1.14 miles) where no assessments were levied.

Parts of two streets have been constructed with a concrete base and a bituminous wearing surface, a length of 2,605 feet, and one street paved with granite blocks on a concrete base, a length of 989 feet.

Six streets have been re-macadamized with a "tarviated" surface, a length of 6,356 feet (1.2 miles) and sixteen streets repaired, a length of 7,809 feet (1.48 miles).

Table of Street Construction.

	Square Yds.	Miles.
*Streets paved with granite blocks	98,965	4.05
Streets paved with Hassam pavement	36,802	1.80
Streets paved with asphalt	10,410	0.73
Streets paved with vitrified brick	13,564	0.64
Streets paved with bitulithic	14,689	0.88
Combination pavement (concrete base with bituminous top)		2.16
Streets macadamized ("tarvia" bound)		12.86
**Streets macadamized (water bound)		53.15
Streets graveled or unimproved		21.77
<hr/> Total		<hr/> 98.04

*Also 31.9 miles (single track) electric railway, paved with granite, asphalt, bitulithic.

**Includes 3.29 miles boulevard and 1.16 miles state highway.

Lines and grades have been given for setting 8,291 linear feet (1.57 miles) of new edgestone, and 3,189 square yards (0.923 mile) of new brick sidewalks, and 12,356 square yards

(4.736 miles) of granolithic sidewalks have been laid, and measurements taken for computing assessments; also on private streets 0.39 of a mile of granolithic sidewalks, .07 of a mile edgestone have been laid by private parties.

In connection with setting edgestone 2,753.7 square yards of new paved gutters have been laid, at an average cost of \$2.07 per square yard, and a number of driveways and crossings have been constructed, all requiring lines, grades, and measurements.

(See tables for cost of new work, 1912, and total lengths of sidewalks constructed in the city to date.)

The average cost for the year has been as follows:—

For setting edgestone with gravel sidewalk	\$1.07 per linear foot
Laying brick sidewalk, complete	1.37 per square yard
Laying granolithic sidewalk, complete	1.67 per square yard

And the cost of materials used, furnished by contract:—

Edgestone (straight) delivered at work	\$0.55 per linear foot
Edgestone (circle) delivered at work	0.64 per linear foot
Bricks delivered at work	12.90 per M.
Cement (Portland) on cars	0.99 per barrel (net)
Sand and gravel on cars	0.64 per cubic yard
Crushed stone on cars	1.10 per ton

In sections of the city where brick sidewalks have been laid many years, and must necessarily be re-laid on account of deterioration and unevenness, granolithic should be substituted in the place of brick.

Miles of Edgestone, Gravel, Granolithic and Brick Sidewalks in Each Ward.

	Edgestone.	Gravel Sidewalk.	Brick Sidewalk.	Granolithic Sidewalk.
Ward one	17.615	4.601	12.048	1.323
Ward two	14.421	7.444	6.691	0.286
Ward three	13.979	1.560	11.552	0.867
Ward four	14.319	2.441	9.948	1.912
Ward five	20.888	6.688	12.142	2.058
Ward six	22.421	6.551	10.734	6.552
Ward seven	24.576	8.098	8.387	9.342
	<hr/> 128.219	<hr/> 37.383	<hr/> 71.502	<hr/> 22.340

A considerable quantity of stone still remains on the two parcels of ledge property owned by the city, situated in West Somerville, that can be quarried and used for the foundation of streets and on sidewalk work, to the city's advantage. By using the stone from these two ledges and purchasing trap-rock, the city will have a sufficient supply of good road material for a number of years to come.

Lines and grades have been given for laying 9,534 linear feet of new city water mains, varying in size from two inches to fourteen inches in diameter (1,567 feet being re-located

Table Showing Sidewalks Constructed (not exceeding one-half cost assessed on abutters) and Paved Gutters Laid in Connection Therewith in 1912.

STREET	Ward.	SIDE.	FROM	TO.	WIDTH OF SIDEWALK IN FEET.	MATERIAL.				Total Cost.	PAVED GUTTERS.		
						Gravel and Edgestone. Lineal Feet.	BRICK. Lin. Feet.	Sq. Yards.	GRANOLITHIC. Lin. Feet.		Sq. Yards.	Sq. Yards.	Cost.
Bay State avenue	7	Both	Fosket street	Where already laid	6.67	Gran. 4.0, sod rem. width			111.3	61.5	\$113.19		
Benedict	1	Northerly	Union street	Where already laid	6.67		90.8	61.5			102.63		
Broadway	7	Northerly	Curtis street	Easterly	10 & 11				93.9	99.1	200.09		
Calvin	2	Southeasterly	Beacon street	Dimick street	6.67				223.0	150.8	254.93		
Cameron avenue	7	Southeasterly	Estate of No. 26	Cambridge line	10.00	Gran. 6.0, sod rem. width			707.9	522.5	948.31		
Central	6	Northwesterly	Summer street	Cleveland street	5.50				434.5	263.3	424.81		
College avenue	7	Easterly	Warner street	Dearborn road	10.00	Gran. 6.0, sod rem. width 852.4			1,472.5	1,061.8	2,901.76	284.1	\$667.52
Columbus avenue	3	Southerly	Bonner avenue	Where not laid	6.67		138.5	95.4			113.17		
Columbus avenue	3	Both	Washington street	Angle.	6.67				521.3	353.2	554.99		
Columbus avenue	3	Northeasterly	In front of estate No. 19		6.67		80.4	55.0			71.50		
Cottage avenue	7	Northeasterly	Russell street	Bowers avenue (where not laid)	6.67				273.1	182.5	283.09		
Curtis	7	Easterly	Broadway	Northerly	6.67				59.9	45.2	105.59		
Derby	4	Both	Temple street	Grant street	6.67				1,596.3	1,078.6	1,873.57		
Dimick	2	Southwesterly	Calvin street	Waldo avenue	6.67				218.3	146.1	239.28		
Elm	7	Easterly	Elston street	Cutter avenue	10.00	Gran. 6.5, sod rem. width			541.1	426.0	856.70		
Fairmount avenue	7	Both	Curtis street	End	6.67	1,296.0					1,404.16	432.0	916.80
Fosket	7	Both	Willow avenue	Liberty avenue	6.67				1,288.1	868.9	1,459.34		
Gorham	7	Both	Holland street	Howard street	6.67				1,562.0	1,044.0	1,632.28		
Greenville	3	Northwesterly	Medford street	Boston street	6.67				386.6	261.5	413.12		
Heath	5	Both	Moreland street	Edgar avenue	6.67				693.6	465.7	753.61		
Hill	7	Both	Broadway	Fairmount avenue	6.67	575.0					806.99	191.6	578.52
Hinckley	5	Both	Richardson street	Boston and Lowell R. R.	5.83	961.6					971.43	320.3	693.55
Holland	7	Northeasterly	In front of estates Nos. 201-203-205		10.00				147.9	152.6	276.59		
Kidder avenue	7	Northerly	Powder House terrace	Liberty avenue	6.67	213.2			234.9	157.1	548.77	71.0	139.80
Langmaid avenue	5	Both	Broadway	Heath street	5.00	696.6					807.20	232.2	514.87
Lexington avenue	6	Both	Cedar street	Hancock street	6.67				1,446.3	998.4	1,551.17		
Line	2	Northeasterly	In front of estates Nos. 102-114 inclusive		5.50				200.0	104.5	226.32		
Lowden avenue	7	Both	Fosket street	Where already laid	6.67	Gran. 4.0, sod rem. width			240.4	110.3	224.13		
Lowell	6	Both	Somerville avenue	Summer street	6.00				2,290.2	1,439.5	2,532.76		
Mansfield	2	Easterly	Washington street	To and inc. estate No. 35	6.67				373.5	252.4	395.91		
Marion	2	Northerly	Dimick street	Wyatt street	6.67		593.1	401.9			484.74		
Meacham road	7	Southerly	Where not already laid	Cambridge line	6.67	47.2	171.5	119.0			176.73	15.7	32.78
Medford	2	Southerly	In front of estate No. 56	Warren street	8.33		37.4	32.6			44.24		
Moreland	5	Southeasterly	Main street	Meacham street	6.67				676.2	453.4	663.99		
Myrtle	1	Easterly	In front of estate Nos. 39-41-49		6.67		232.0	155.5			217.11		
Mystic avenue	1	Southerly	In front of estate No. 66		11.00	30.0	108.8	112.7			203.92		
Mystic	1	Westerly	Benedict street	Mystic avenue	6.67		353.5	238.0			313.29		
Oak	2	Both	Cambridge line	Angle	5.00		1,069.0	548.2			740.33		
Paulina	7	Both	Broadway	Holland street	6.67	1,465.8					1,349.44	488.9	805.08
Russell	7	Northwesterly	In front of estate No. 51		6.67				61.5	41.7	60.41		
South	2	North	In front of estates Nos. 11-13-15		5.00		75.6	42.9			51.12		
Spring	6	Westerly	Summer street	Estate of No. 24	6.67		648.8	466.0			741.32		
Spring	6	Southwesterly	In front of estates Nos. 20 and 24		6.67+				112.9	94.1	134.87		
St. James avenue	7	Southwesterly	Summer street	Elm street	6.67		501.7	340.7			478.25		
Summer	6	Southwesterly	Willow avenue	Burnside avenue	7.50				366.6	275.9	535.77		
Sydney	4	Both	Grant street	Temple street	6.67				1,353.7	908.5	1,516.49		
Victoria	7	Both	Broadway	Cambridge line	6.67	2,055.0					2,177.65	685.2	1,315.17
Walnut	4	Easterly	Highland avenue	Pearl street (where not laid)	6.67	98.2	499.3	321.0			570.01	32.7	45.12
Warner	7	Northwesterly	Bromfield road	College avenue	10.00	Gran. 6.0, sod rem. width			85.7	56.2	105.30		
Warren	2	Easterly	In front of estate No. 56		5.0 & 6.67		90.0	51.9			70.42		
Wyatt	2	Easterly	Concord avenue	Lincoln parkway	6.67				438.1	292.2	511.35		
Wyatt	2	Westerly	Concord avenue	Wyatt circle	6.67		200.5	146.7			192.04		

Total assessment, \$17,195.62.

Net cost to city, \$17,195.56.

440.0

2,077.8

Amount of edgestone, sidewalks, brick, granolithic and tar, in front of private estates
 Totals . . . Gravel sidewalks, 1.335 miles. Brick sidewalks, 0.923 miles. Granolithic sidewalks, 4.736 miles.

mains). Two hundred and sixty-four new house services, many gates, hydrants, water posts, and blow-offs have been located and recorded, sketches and plans made showing the same, and the large water works wall maps corrected to date; also a large number of old water services where new meters were installed have been located and recorded.

A set of block plans should be made covering the entire city area from accurate surveys made during the past twenty-five years, and compared section by section with the deed dimensions and areas recorded in the assessors' department, and in this manner the correct areas of land determined.

This set of plans would show the area and dimensions of each lot, all houses and other buildings, sewers, catch basins, house drains, water services, gas mains, underground conduits for wires, street lights, street railway tracks, etc., and be of great value to many departments. Five of these sectional plans have already been made. A separate appropriation should be made for completing these plans.

Plans have been made and photographs taken where accidents have occurred on the city work or where boundaries were in dispute, special plans and data prepared for the city solicitor's use in court cases and hearings.

All plans of estates in Somerville recorded at the Registry of Deeds, East Cambridge, including land court plans, have been copied, also titles examined, abstracts from deeds made for the purpose of assessments, and the proportional part of the cost of new work computed, and schedules of assessments made out showing the property owners. Copies have been made of all city plans where land has been taken for highways or sewers, and these have been filed and recorded at the Registry, East Cambridge, as required by law.

Plans have been made by the various companies and corporations, and filed in the city engineer's office, showing the locations of gas mains, poles, tracks, and conduits in this city, which have been granted by the board of aldermen during the year; and the work of placing overhead wires in conduits underground and removing all poles from streets should be extended as rapidly as possible.

At the present time there are underground in the city's streets 16.0 miles of telephone conduits, 8.35 miles of electric light conduits, 1.4 miles of electric railway conduits, and about 5.9 miles of underground conduits used for the city's wires.

The Cambridge and Charlestown gas companies have extended their mains in the city's streets 2.75 miles the past year.

The Boston Elevated Railway Company have made extensive repairs in their roadbed in this city during the past year, replacing the old tracks with new and heavier rails, filling the space between the ties with Portland cement concrete, and

grouting the granite block pavement with cement in sections of Holland street, Elm street, and Somerville avenue.

Also new curves and special work have been laid at the junction of Medford street and Somerville avenue and in Teele square; and tracks re-laid in Broadway parkway.

Where double car tracks have been laid in streets, leaving narrow roadways on either side, it is impossible to maintain a macadam surface, even at a heavy expense yearly, and these streets should be permanently paved with a suitable pavement, adapted to the character of the surroundings and amount of traffic and conditions encountered.

There are 31.9 miles of electric railroad (single track location) laid at the present time in the city's streets; and in watering the main thoroughfares, time and expense could be saved by utilizing this trackage for running street-sprinkler cars, the same as operated in a number of cities throughout the state.

Bridges and Grade Crossings. An act of the legislature was approved April 5, 1911, authorizing the city of Somerville and town of Arlington, any time within five years, to lay out, construct, and maintain a public way and bridge over Alewife brook, connecting Woodstock street in Somerville with Henderson street in Arlington, subject to the approval of the Metropolitan Park Commission, and assess betterments for the same. An appropriation has been made for this work by the city and town, preliminary bids obtained from contractors, and probably the bridge and approaches will be constructed the coming year.

Grade Crossings Account.

STATEMENT OF EXPENSES, 1912.

Account overdrawn, 1911	\$39,314 11	
Extra legal services (City Solicitor)	4,598 02	
Paid various parties for appraisal of property and damages and repairing property	1,868 60	
Paid for damages and land and buildings taken	80,675 00	
Photographs, plans and advertising	263 75	
	<hr/>	\$126,719 48
		CREDIT.
Received from New York Central & Hudson River Railroad (lessee) decree of court	\$301 56	
Received from Commonwealth of Massachusetts, apportionment of damages, decree of court	39,207 62	
Received from Boston Elevated Railway, decree of court	26,818 63	
Received from Boston & Maine Railroad (lessee) decree of auditor	42,977 74	
	<hr/>	\$109,305 55
Overdrawn		\$17,413 93

The work of abolishing grade crossings on the Fitchburg division of the Boston & Maine railroad in Somerville is progressing, the Somerville-avenue crossing has been completed, the Webster-avenue crossing is practically completed with the exception of erecting iron and wooden fencing on the street, and at the Dane-street and Medford-street crossings the new work has been about one-half completed during the past year.

Probably work will be commenced at the Park-street crossing the coming year, and work at the other crossings completed.

The construction work for the elimination of these dangerous grade crossings will be continued until completed as decreed by the court, and the total cost of the work, as completed, will be apportioned as follows: The steam railroad company, sixty-five per cent.; the state, twenty-five per cent., and the city ten per cent., except at the Somerville-avenue and Webster-avenue crossings, where the steam railroad and the city pay the same percentage of cost as at other crossings, the state twelve and one-half per cent., and the street railway company twelve and one-half per cent.

The plans for abolishment of these crossings were described in previous annual reports, and at two streets the plan adopted is the same as proposed by the city's scheme presented to the commission; at the other three streets the plan adopted is just the reverse of the city's scheme, as presented.

Perambulation of City Boundary Lines. October 8, 1912, representatives appointed from the city of Somerville and city of Medford examined the boundary marks defining the division line between the two cities, and reported their findings in due form to the board of aldermen. A number of these stone markers are out of plumb and should be reset, and one has been cut off flush with the concrete floor of a new factory building as authorized by the Middlesex County Commissioners.

A contemplated change in the boundary line between Somerville and Medford is under consideration by both cities, and probably an exchange of territory can be made that will be equally advantageous.

SEWERS.**Construction Account.****STATEMENT OF EXPENSES, 1912.**

Constructing "separate system" sewers (assessments levied)	\$13,379 61	
Constructing "combined system" sewers (assessments levied)	1,435 50	
Constructing "combined system" sewers (no assessments)	1,087 23	
Constructing storm drains	7,833 99	
Constructing storm drainage "Somerville Field" to Alewife brook	1,287 10	
Constructing catch basins and manholes, street drainage	2,729 73	
Abatement of sewer assessments for year	828 80	
Sundry expenses, books and printing	54 77	
Materials on hand December 31, 1912	675 97	
	<hr/>	
Total expenditure		\$29,312 70
Transferred to Fire Station account	\$1,000 00	
Transferred to Sidewalks Construction ac- count	1,000 00	
	<hr/>	2,000 00
		<hr/>
Total debit		\$31,312 70
		CREDIT.
Balance unexpended December 30, 1911	\$6,009 76	
Appropriation, 1912	15,000 00	
Assessments levied, sewers constructed, 1911	8,669 52	
Amounts received from other departments	236 08	
Materials on hand December 30, 1911	1,409 57	
	<hr/>	
Total credit		\$31,324 93
		<hr/>
Balance unexpended		\$12 23

The greater part of the new construction work has been done by contract, and the remainder by the city employing day labor where old structures were to be remodeled or replaced by some difficult construction work.

All materials have been furnished by the city, and the prices paid for supplies, for the season, have been by contract with the lowest bidder as follows:—

Akron sewer pipe (3 ft. lengths),	82 3-5% discount from list price on cars
Sewer pipe fittings	83% discount from list price on cars
Portland cement, per barrel	\$0.99 on cars (net)
Sand, per cubic yard	0.64 on cars
Sewer bricks, per M.	7.00 on cars
Iron manhole and catch basin castings, per hundred weight,	1.36 on cars
Catch basin traps, each	1.70 on cars

A number of sewers have been constructed as petitioned for in various sections of the city, or as considered necessary

for the improvement of the drainage system, and portions of the cost of construction assessed on the abutting estates under orders adopted by the board of aldermen.

Short lines of storm drains and overflows from congested sewers have been constructed during the year in the most needed districts.

The "separate system" sewers (those built for house drainage only) have been extended in a number of streets in the older districts, and this system should be extended yearly until all the flooded districts in the city have two complete systems of drainage, the old sewer to be used for storm and surface water. The city pays the entire cost of these new sewer extensions for house drainage, and wherever constructed the house plumbing should be changed where necessary, and the house drains and conductor, or surface water drains, re-connected with both systems as soon as possible.

New sewers and drains were constructed during the year varying in size from eight-inch pipe to fifteen-inch pipe, in the following localities:—

"Separate system" sewers in:—

Barton street,—Broadway to Russell road.

Broadway,—(northeasterly sidewalk) Garfield avenue to near Austin street.

Clarendon avenue,—extension of 1911 work to near Weston avenue.

Connecticut avenue,—Mystic avenue to near Pennsylvania avenue.

Cross street,—Mystic avenue to Pennsylvania avenue.

Hillsdale road,—Chetwynd road to Sunset road.

Illinois avenue,—Broadway to near Pennsylvania avenue.

Indiana avenue,—Broadway to near Pennsylvania avenue.

Michigan avenue,—Broadway to near Pennsylvania avenue.

Minnesota avenue,—Broadway to near Pennsylvania avenue.

Mystic avenue,—Cross street to near Austin street.

Mystic avenue,—Moreland street southeasterly to angle in street.

Pennsylvania avenue,—Cross street to near Broadway.

Rhode Island avenue,—Mystic avenue to near Pennsylvania avenue.

Sunset road,—Hillsdale road to near Curtis street.

Wisconsin avenue,—Broadway to near Pennsylvania avenue.

"Combined system" sewers in:—

Aldrich street,—Flint street southwesterly.

Cady avenue,—Simpson avenue to Corinthian road.
 Corinthian road,—Cady avenue to near Broadway.
 Delaware street,—Pearl street southwesterly.
 Florence street,—Pearl street southwesterly.
 Osgood street,—Granite street easterly.
 Steeves circle,—Cherry street easterly.

Storm drains in:—

Broadway,—(northeasterly sidewalk) Cross street to near Austin street.
 City Farm lands,—extension at Incinerating plant.
 Connecticut avenue,—Mystic avenue to near Pennsylvania avenue.
 Cross street,—Mystic avenue to Pennsylvania avenue.
 Illinois avenue,—Broadway to near Pennsylvania avenue.
 Indiana avenue,—Broadway to near Pennsylvania avenue.
 Michigan avenue,—Broadway to near Pennsylvania avenue.
 Minnesota avenue,—Broadway to near Pennsylvania avenue.
 Mystic avenue,—Fellsway east to near Austin street.
 Pennsylvania avenue,—Cross street to near Broadway.
 Rhode Island avenue,—Mystic avenue to near Pennsylvania avenue.
 Somerville Field,—drainage of field.
 Wisconsin avenue,—Broadway to near Pennsylvania avenue.

Summary of Work. Thirty-six new sewers and drains have been constructed during the year, a total length of 19,557.8 linear feet (3.74 miles) at a cost of \$25,023.43; plans have been made showing these sewers in detail, and assessments levied on a portion of them, amounting to \$8,669.52. (See tabular statement of sewers and drains for 1912, showing itemized statement of work and cost.)

The total length of the city's drainage system is 105.864 miles; 28.734 miles being on the "separate system" and 8.277 miles of storm drains, and the entire cost of construction has amounted to about \$1,282,889.00, exclusive of the amount paid to the state for assessments for the construction of the North Metropolitan sewerage system.

Forty-nine new catch basins have been constructed in the highways during the year, at an average cost of \$64.60 per basin, and nine removed, making a total of 1,678 basins in the city for street drainage purposes, constructed and maintained as follows:—

By the city (sewer division):—

Located in streets and subways	1,625	basins
Located in city boulevard	29	"
Located in parks (12), other city lots (12)	24	"
<hr/>		
Total catch basins constructed and maintained by city		1,678
By Boston & Maine Railroad Company on railroad locations	33	basins
By state, located in boulevards	52	"
<hr/>		85

Total catch basins in the city for storm drainage purposes 1,763

Metropolitan Sewer Connections. All of the city's connections with the North Metropolitan state sewerage system are in good condition. No new main connections have been required.

Wherever the city's "combined system" sewers are connected with the Metropolitan sewer the flow is automatically regulated so that in times of storm the connection closes and the discharge continues through the old channels to the rivers; the "separate system" connections are always in operation under all conditions. The locations of the connections of the city's mains with the state sewer are as follows:—

- One at Somerville avenue and Poplar street (combined system).
- Two at Somerville avenue and Poplar street (separate system).
- One at Waverley street and Roland street (separate system).
- One at Waverley street and Roland street (combined system).
- One at North Union street and Mousal place (separate system).
- One at Mystic avenue and Fellsway East (combined system).
- One at Mystic avenue and Fellsway East (separate system).
- One at Mystic avenue and Moreland street (separate system).
- One at Alewife brook and Powder House boulevard (separate system).
- One at Alewife brook and Broadway (separate system).
- One at Alewife brook and Woodstock street (separate system).
- Three connections entering the city of Medford, at Winchester street, Boston avenue, and Pearson road (all separate system).
- Four connections entering the city of Cambridge, at Seven Pines avenue, Yorktown street, Newbury street, and Clarendon avenue (all separate system).

At the Somerville-avenue-Poplar-street connection with the Metropolitan sewer, records compiled from an automatic recording clock placed in the "regulator chamber" on the combined system show this outlet to have been cut off as follows:—

Year 1912, completely closed 575 hours, partly closed 349 hours.

In previous years the following:—

Year 1911,	completely closed	512	hours,	partly closed	125	hours.
" 1910,	"	382	"	"	190	"
" 1909,	"	459	"	"	683	"
" 1908,	"	469	"	"	605	"
" 1907,	"	206	"	"	534	"
" 1906,	"	289	"	"	331	"
" 1905,	"	297	"	"	548	"
" 1904,	"	279	"	"	922	"
" 1903,	"	180	"	"	167	"
" 1902,	"	376	"	"	377	"
" 1901,	"	386	"	"	225	"
" 1900,	"	353	"	"	114	"

The city's assessment for the Metropolitan sewer system for the past year was \$42,570.82 on construction account and \$23,058.30 for maintenance, and the total amount paid the commonwealth of Massachusetts for this state sewer has been \$887,420.82 (1892-1912, both years inclusive). The total length of the Metropolitan sewerage system mains running through the city amounts to 3.475 miles.

New Work. The separate system sewers should be extended in the old sections of the city each year, as the appropriation will allow. The construction of the storm drainage system commenced in the vicinity of North Somerville, where buildings and new streets are being rapidly constructed, the outlet for this district being through the city of Medford into Mystic river; and in connection therewith, the boundary line between Somerville and Medford should be changed in the vicinity of Pearson road and Boston avenue, so that this outlet, Two Penny brook, can be improved by Somerville, and the covered channel extended to the Boston & Maine railroad, to conform with the work already done within the present city limits.

A large storm overflow drain has been contemplated for some time at the East Cambridge line, across private lands from Somerville avenue, discharging into the head of Miller's river; and this matter of improving the city's drainage system should be carried out without further delay.

Some agreement should be made whereby a storm drain and sewers may be constructed in the valley along the location of the Southern division of the Boston & Maine railroad, between Gilman square and Cedar street, this being the natural outlet for a number of the city's streets and house lots which at the present time have either very poor or no means

of drainage, and would abolish two syphons under the railroad tracks.

The proposed storm drain would be of great benefit to the railroad company, and give relief to sections of the city's over-charged drainage system during heavy storms by diverting through this proposed conduit the proper drainage area which is now flowing in other directions.

The sewer system in a section of West Somerville, in the vicinity of Chester street, Orchard street, etc., is over-charged in times of heavy rainfall, and should be relieved by extending the Tannery brook storm drain from Davis square southeasterly.

Many cellars in Aldrich, Flint, Delaware, and Virginia streets are flooded in times of storms; this area being at a low elevation, to obtain relief would require the extension of the "separate sewerage" system from the present terminal at Broadway to this district, and the construction of new sewers in the various streets, the present sewers having been built by private parties a number of years ago.

In the vicinity of Bartlett and Robinson streets alterations should be made in the present sewers (which are now private structures) to provide for removing storm water.

Maintenance Account.

STATEMENT OF EXPENSES, 1912.

Maintenance of sewers, including cleaning and flushing (105.9 miles)	\$2,668 16	
Maintenance of catch basins, cleaning and flushing (1,678)	7,577 88	
Changing line and grade and repairing catch basins	379 42	
Changing line and grade and repairing man-holes	273 26	
Repairing old sewers	464 06	
Inspection and location of house drains	89 28	
New tools and supplies	263 03	
Repairs of tools and property	314 93	
Sundry expenses, car fares, telephone, books, etc.	130 91	
Maintenance of sewer division yards and buildings	839 04	
Work and materials furnished other departments and accounts	864 40	
Total debit		\$13,864 37
	CREDIT.	
Appropriation	\$13,000 00	
Amounts received from other departments and accounts,—labor, materials furnished, etc.	864 40	
Total credit		\$13,864 40
Balance unexpended		\$ 03

Value of tools and property on hand used in maintenance of sewers	\$1,000 00
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A permanent force of men and teams are kept continually at work flushing, cleaning, and repairing the city's drainage system, catch basins, etc., the expense necessarily increasing yearly as lengths of sewers, drains, and catch basins are added to the system.

About 4,900 cubic yards of deposit have been removed from the catch basins and sewers during the year, at an average cost of \$1.55 per cubic yard, and the average cost per mile for cleaning and flushing the drainage system, including catch basins, has amounted to \$96.75.

Sixty-nine catch basins and forty-eight manholes have been repaired and grade or line changed.

A number of repairs have been made on some of the old sewers, alterations made in the outlets, and overflows and extra manholes built for the purpose of improving the system.

Four hundred and fifty-six permits have been issued to licensed drain layers for connecting buildings with the main sewers, sixty being for repairs or alterations; all of the work being done under the supervision of the city's inspector.

At the present time there are ten persons licensed as drain layers by the city and under bonds, for the purpose of laying these private drains.

There are to date about 15,040 private drain connections with the city's drainage system.

During the year the sewer department has done considerable miscellaneous work for other city departments and outside companies where alterations and new construction work have been required, furnishing materials and labor, and being reimbursed for the same to the amount of \$864.40.

PARKS AND PLAYGROUNDS.

At the present time there are nineteen separate parcels of land located in all parts of Somerville, used for parks and playgrounds, amounting to 70.4 acres, and also a boulevard about one and one-third miles in length maintained by the city. Included in this total area are playgrounds where the land is owned by private parties and leased to the city, for use, in the following localities: On Fellsway east, 2.5 acres; Knowlton street, 1.5 acres; and the cemetery lot on Somerville avenue, .7 acre.

Four of the larger pleasure parks are famous historically.

There are eight baseball "diamonds" and three football fields in use and under the city's supervision, as well as numerous smaller playgrounds, on which are located an outdoor gymnasium, running track, tennis courts, and various kinds of athletic apparatus for recreation and rest, where children can

play and enjoy themselves and are safe from the dangers of a thickly-settled city.

These areas are constantly in use by the many athletic teams, the games being arranged for and regularly scheduled on the various grounds throughout the season, about three hundred ball games being provided for by schedule the past year.

The larger areas have been policed by regular officers from the police department, when required, the expense being paid from the police appropriation; trees and shrubs added to the various grounds, and bulbs, plants, and flowers furnished in their seasons, and during the winter time ponds flooded for skating when the weather was favorable, and a hockey rink maintained.

This area of parks and playgrounds compares favorably with other cities, Somerville being very small in area and the most densely populated city in the state, averaging about 20,000 in population to a square mile.

On a section of Powder House boulevard granolithic sidewalks have been constructed.

On the easterly end of Central Hill park a new Public Library building is being constructed which will cost when completed about \$125,000.00.

The Kent street and Poplar street playgrounds have been enclosed the past year by the erection of iron fences, gymnastic apparatus erected, and shower-baths installed in school buildings adjacent to some of the playgrounds.

On several of the playfields concrete buildings should be constructed in place of some of the old wooden structures, additional apparatus provided on some of the principal parks and playgrounds for the smaller children's pleasure, where a regular park employee can have the care of the same, and some of the smaller playground areas should be enclosed by wire fencing for the protection of children.

At the westerly end of Lincoln park, a wading pool having an area of not over 3,000 square feet could be constructed, with a concrete bottom and side walls, at a small cost. This would be a source of much enjoyment to a very large number of children in the immediate vicinity, and maintained exclusively for their use.

In certain localities of the city well-lighted playgrounds, during the summer evenings, should be maintained for the young men and women working in the factories daily.

The city has become so densely populated that portions of some of the larger park areas should be utilized for public recreation and physical training purposes; Broadway park (northerly end), ball field and children's playground; Central Hill park, tennis courts and children's playground; Tufts park,

children's playground, gymnastic apparatus, etc.; Mason street playground, tennis courts.

The Playgrounds Association has continued its good work in the city, and funds contributed by citizens and a sum of \$2,500 appropriated by the city for the special equipment of grounds and supervision of playfields during the summer months has been expended under the direction of the school committee.

Certain areas were used in the city's parks, playgrounds, and schoolyards, which had been equipped with swings, sand boxes, and various kinds of gymnastic apparatus, and instructors were employed during the months of July and August. Many children enjoyed themselves at these outdoor kindergarten schools, while the larger boys were instructed in baseball, basket ball, and other games, and in the use of gymnastic apparatus, teams being formed and athletic competitions held between the various teams.

Probably still better results, in this city, could be obtained by establishing a system with a permanent director of athletics and gymnastics who would have charge and instruct in every form of athletics and recreation; including all sports and games for the high schools, grammar schools, and all others using the city's playfields and buildings.

The new "Somerville Field" located in the northwesterly part of the city, bordered by Powder House boulevard and Alewife brook, has proven to be very popular with the various clubs and athletic teams in our city, and a number of outside school teams and associations have had the use of this field, the income the city has received during the past year amounting to \$1,305.

Some small improvements have been made during the year, temporary shower-baths and sanitary placed under the grand-stand, etc., but no progress made in the development of the large ungraded portion of the field; an appropriation should be made annually for this purpose.

If this area is laid out and completed as originally designed, Somerville will have the finest recreation field owned by any city, and would include areas for baseball, football, basket ball, tennis, cricket, croquet, playfield for children, outdoor gymnasium, running track, swimming pool, and boating and skating on the brook, a concrete grand-stand and field houses, equipped with shower baths, lavatories, dressing rooms, lockers, etc. In the 1910 report a plan was published showing the proposed laying out.

An area owned by the city, and known as the Collins and Ham ledge property, located on Clarendon Hill, near the Cambridge boundary line, might be developed in the future into a pretty pleasure park, similar in nature to the Powder House park; also, the Holland-street ledge property, owned by the

city, and situated in West Somerville, could be developed in the future by laying out a portion of the area for streets and house lots, and the remainder used for a children's playground.

There are a number of vacant lots in the city owned by private parties, large enough for the purpose of establishing recreation grounds and breathing spaces, which undoubtedly could be obtained for short-term leases by payment of the taxes to the owner of the property, and be of great benefit to a large number in the congested parts of the city.

With all these various parcels of land referred to properly developed in the future as parks, playgrounds, and resting places, the city will be amply provided for in this line, and second to none in the state.

The city's assessment for Metropolitan parks and boulevards for the year 1912 amounted to \$18,056.76 on construction account, \$14,992.66 being the proportional cost for maintaining the same; in addition to this, the city's special assessment for the Charles River Basin amounted to \$2,971.97 on construction account and \$2,102.89 for maintenance; for the improvement of Alewife brook, \$750.00, for maintenance of same, \$498.75; and for the maintenance of Wellington bridge across Mystic river, \$527.47.

The total of the above assessments amounts to \$39,900.50, being Somerville's proportional payment to the state on account of the Metropolitan park system for the year 1912.

The total assessment paid to the state for parks and boulevards amounts to \$403,475.94 January 1, 1913, and the only length of state boulevard at present constructed in this city consists of seven-tenths of a mile of double roadway, located in the easterly part of the city, and extending between Broadway and Mystic river, and four-tenths of a mile bordering Mystic river at the West Medford line.

In the 1910 report a table was published showing the area, year acquired, cost of land, cost of construction, present valuation, etc., of all city parks and playgrounds.

PARKS AND PLAYGROUNDS.

Maintenance Accounts.

STATEMENT OF EXPENSES, 1912.

(Playgrounds.)		(Parks.)
	Broadway Park (15.9 acres):—	
\$203 05	Maintenance of grounds, pond, and general care of property, labor and teams	\$840 75
	Trimming and spraying trees	71 00
	Tools and supplies	28 75
	Repairing tools and property	96 02
	Plants, flowers, bulbs, etc. . . .	255 48
<hr/>		<hr/>
\$203 05		\$1,292 00

(Playgrounds.)	(Parks.)
Broadway Parkway (2.0 acres):—	
Maintenance of grounds, labor and teams	\$89 23
Plants, flowers, etc.	65 00
	<hr/> \$154 23
Central Hill Park (13.1 acres):—	
\$24 51 Maintenance of grounds and general care of property, labor and teams	\$1,408 15
Trimming and spraying trees	45 00
Tools and supplies	29 88
Repairing tools and property	32 57
Plants, flowers, bulbs, shrubs, etc.	402 27
<hr/> \$24 51	<hr/> \$1,917 87
Lincoln Park (8.3 acres):—	
\$680 05 Maintenance of playground and general care of property, labor and teams	\$644 17
156 66 Improving athletic field	
16 10 Tools and supplies	47 74
43 61 Repairing tools and property	37 78
<hr/> \$896 42	<hr/> \$729 69
Prospect Hill Park (2.6 acres):—	
Maintenance of grounds and observation tower, labor and teams	\$728 43
Tools and supplies	25 91
Repairing tools and property	20 85
Constructing new fence	116 17
	<hr/> \$891 36
Tufts Park (4.5 acres):—	
Maintenance of grounds and Old Powder House, labor and teams	\$701 14
Tools and supplies	9 78
Repairing tools and property	8 07
Plants, flowers, bulbs, etc.	218 05
	<hr/> \$937 04
Paul Revere Park (.02 acre):—	
Maintenance of grounds, labor	\$13 45
Belmont Street Park (0.4 acre):—	
Maintenance of grounds, labor and teams	\$167 80
Plants, flowers, bulbs, etc.	147 45
	<hr/> \$315 25
Powder House Square Parkway (0.2 acre):—	
Maintenance of area between streets, labor	\$33 65
Shrubs, etc.	10 75
	<hr/> \$44 40
Powder House Boulevard (1 1-3 miles long):—	
Maintenance of roadway, walks, and grass plots, labor and teams	\$325 57
Re-surfacing of roadway	1,013 36
	<hr/> \$1,338 93

(Playgrounds.)		(Parks.)
	Cemetery, Somerville avenue (0.7 acre):—	
	Maintenance of grounds, labor and teams	\$39 19
	Tufts College Land (used in winter time by permission):—	
	Maintenance of skating area and hockey rink, labor and teams	19 76
\$129 87		
54 82	Constructing hockey rink	
42 50	Police service	
<hr/>		
\$227 19		
	“Somerville Field,” at Alewife Brook (11.5 acres, new 1911):—	
	Maintenance of playfield and care of property, labor and teams	\$437 61
\$674 34		
162 18	Tools and supplies	94 88
7 75	Repairing tools and property	36 92
353 91	Protection of ball field, canvas, iron and wooden fencing	
<hr/>		
\$1,193 18		\$569 41
	Playground, Cedar street and Broadway (4.3 acres):—	
	Maintenance of playfield, labor and teams	\$116 75
\$366 32		
20 33	Tools and supplies	
26 43	Repairs of tools and property	
101 67	Improving ball fields	
<hr/>		
\$514 75		
	Playground, Glen street and Oliver street (0.9 acre + 1.5 acres leased):—	
	Maintenance of playfield, labor and teams	\$32 59
\$143 32		
13 00	Supplies and repairs	
38 34	Improving ball field	
<hr/>		
\$194 66		
	Playground, Kent street and Somerville avenue (0.8 acre):—	
	Maintenance of playfield, labor and teams	\$87 26
\$74 44		
38 75	Supplies and repairs	
	Improvement of grounds	100 00
<hr/>		
\$113 19		\$187 26
	Playground, Beacon street, near Washington street (0.2 acre):—	
	Maintenance of grounds, labor and teams	\$4 49
\$39 57		
	Playground, Webster avenue, near Cambridge line (0.2 acre):—	
	Maintenance of grounds, labor	
\$1 07		
	Playground, Poplar street and Joy street (0.5 acre):—	
	Maintenance of grounds, labor	\$26 12
\$81 11		
4 23	Supplies	
<hr/>		
\$85 34		
	Playground, Mason street and Broadway (0.3 acre):—	
	Maintenance of grounds, labor	
\$2 20		

(Playgrounds.)		(Parks.)
	Playground, Fellsway East (2.5 acres leased):—	
\$54 31	Maintenance of playfield, labor	
6 80	Supplies	
60 34	Improvement of ball field	
<hr/>		
\$121 45		
\$26 28	Incidentals	\$92 59
	Total expenditure, maintenance (70.4 acres) 65.7	
	acres city property + 4.0 acres leased land,	
	0.7 acres cemetery and 1.36 miles boulevard,	
	and 0.54 mile parkway, roads	
<hr/>		<hr/>
\$3,647 86		\$8,722 38

CREDIT.

Playgrounds and Recreation.		Parks.
	Appropriation for parks, \$8,277 08	
	Received from other ac- counts 445 30	
	<hr/>	\$8,722 38
	\$3,300 00 Appropriation for playgrounds	
	348 01 Received from other accounts	
\$3,648 01	<hr/>	
<hr/>		
\$0 15	Balance unexpended	
	(Expenditure, 1912, under direction of school committee, for summer playgrounds, city appropriation, \$2,500.00.)	

PLAYGROUNDS EXTENSION ACCOUNT.

Expenditures, 1912.

Somerville Field, installing sanitary system and shower baths	\$600 00	
Kent street playground, erecting iron fence around playfield	500 00	
Poplar and Joy streets playground, erecting iron fence around playfield	400 00	
	<hr/>	\$1,500 00
Appropriation		\$1,500 00

Appended Table.

Annexed to this report is a table giving names of all streets in the city, public and private, lengths, widths, and the total mileage; in the 1910 report tables were published showing old names of certain streets as formerly known, and names of public squares in the city.

Respectfully submitted,

ERNEST W. BAILEY,

City Engineer.

TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF
PUBLIC AND PRIVATE STREETS.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Abdell	Somerville ave. .	Southwesterly . .	Private.	25	....	203
Aberdeen road . .	Cedar st.	Highland ave. . .	Private.	40	....	411
Aberdeen road ext.	Angle	Westerly	Private.	30	....	67
Acadia pk.	Somerville ave. .	Northeasterly . .	Public.	40	256	....
Adams	Broadway	Medford st. . . .	Public.	40	907	....
Addison pl. . . .	Somerville ave. .	Southwesterly . .	Private.	20	....	150
Adelaide rd. . . .	Somerville ave. .	Easterly	Private.	20	....	138
Adrian	Marion st.	Joseph st.	Public.	40	579	....
Albion pl.	Albion st.	Northeasterly . .	Private.	10	....	166
Albion ct.	Albion st.	Southwesterly . .	Private.	16	....	116
Albion	Central st.	Cedar st.	Public.	40	2,742	....
Albion	Broadway	Medford line . . .	Private.	50	....	100
Albion ter.	Albion st.	Southwesterly . .	Private.	25	....	100
Aldersey	Walnut st.	Vinal ave.	Public.	40	508	....
Aldrich	Pearl st.	B. & L. R. R. . . .	Public.	40	611	....
Alfred	Broadway	Medford line . . .	Private.	50	....	50
Allen	Somerville ave. .	Charlestown st. .	Private.	25	....	680
Allen ct.	Park st.	Northwesterly . .	Private.	20	....	150
Alpine	Cedar st.	Southeasterly . .	Public.	30	667	....
Alpine	Alpine st.	Lowell st.	Public.	40	688	....
Alston	Cross st.	Shawmut pl. . . .	Public.	40	567	....
Ames	Bartlett st. . . .	Robinson st. . . .	Public.	40	580	....
Appleton	Willow ave. . . .	Clifton st.	Public.	40	548	....
Appleton	Clifton st.	Liberty ave. . . .	Public.	40	120	....
Arlington	Franklin st. . . .	Lincoln st.	Public.	40	452	....
Arnold ave.	Porter st.	Southeasterly . .	Private.	15	....	127
Arnold ct.	Beacon st.	Northeasterly . .	Private.	10	....	115
Arthur ct.	Linden st.	Easterly	Private.	about 10	....	100
Arthur	Broadway	Bonair st.	Public.	40	438	....
Ash ave.	Meacham st. . . .	East Albion st. . .	Public.	40	554	....
Ash ave.	East Albion st. .	Northeasterly . .	Private.	40	....	151
Ashland	Summer st.	Sartwell ave. . . .	Public.	30	478	....
Atherton	Central st.	Spring st.	Public.	40	741	....
Auburn ave.	Cross st.	B. & L. R. R. . . .	Private.	30	....	600
Austin	Broadway	Mystic ave.	Public.	40	716	....
Autumn	Broadway	Bonair st.	Public.	20	408	....
Avon	School st.	Central st.	Public.	40	1,360	....
Avon pl.	Cross st.	B. & L. R. R. . . .	Private.	25	....	150
Bailey	North st.	West Adams st. . .	Private.	40	....	420
Banks	Elm st.	Summer st.	Public.	40	639	....
Bartlett	Broadway	Vernon st.	Public.	40	1,550	....
Bartlett	Washington st. . .	Southerly	Private.	20	....	200
Barton	Broadway	Russell road. . . .	Private.	40	....	382
Bay State ave. . . .	Broadway	Fosket st.	Public.	40	1,237	....
Beach ave.	Webster ave. . . .	Columbia st.	Private.	about 20	....	200
Beacon pl.	Beacon st.	Northeasterly . .	Private.	15	....	200
Beacon	Cambridge line . .	Somerville ave. . .	Public.	66	6,607	....
Beacon ter.	Somerville ave. .	Northeasterly . .	Private.	24	....	110
Bean's ct.	Cutter st.	Southeasterly . .	Private.	16	....	100
Beckwith circle . .	Beacon st.	Southwesterly . .	Private.	20	....	120
Bedford	South st.	Cambridge line . .	Public.	30	165	....
Beech	Somerville ave. .	Atherton st.	Public.	40	323	....
Bellevue ter.	Albion st.	Northeasterly . .	Private.	20	....	90
Belknap	Broadway	Russell road. . . .	Private.	40	....	449
Belmont	Somerville ave. .	Highland ave. . . .	Public.	40	2,192	....
Belmont pl.	Belmont st.	Southeasterly . .	Private.	25	....	175
Belmont sq.	Belmont st.	Southeasterly . .	Private.	30	....	75
Belmont sq.	Belmont ter. . . .	No'es'ly & so'ws'ly	Private.	20	....	145
Belmont ter.	Belmont st.	Easterly	Private.	15	....	137
Benedict ave.	Broadway	Benedict st.	Private.	20	....	200
Benedict	Union st.	Austin ct.	Public.	40	585	....
Bennett ct.	Bennett st.	Prospect st.	Private.	10	....	100
Bennett	Prospect st. . . .	Bennett ct.	Private.	40 to 25	....	400
Benton road	Summer st.	Hudson st.	Public.	40	1,208	....
Berkeley	School st.	Central st.	Public.	40	1,360	....
Berwick	Hinckley st. . . .	Northwesterly . .	Private.	20	....	170
Bigelow	Boston st.	Munroe st.	Public.	50	208	....
Billingham	Broadway	William st.	Public.	40	563	....
Bishop's pl.	Glen st.	Easterly	Private.	10	....	75

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Blakeley ave. . .	Fellsway east . .	Cross st.	Private.	40	....	630
Bleachery ct. . .	Somerville ave. . .	Fitchburg R. R. . .	Private.	30	....	450
Bolton	Oak st.	Houghton st. . . .	Public.	40	476	....
Bonair	Cross st.	Walnut st.	Public.	40	1,535	....
Bond	Broadway	Jaques st.	Public.	40	655	....
Bonner ave. . . .	Washington st. . .	Columbus ave. . . .	Public.	40	376	....
Boston ave. . . .	Medford line . . .	Mystic river	Public.	60	915	....
Boston ave. . . .	Broadway	Medford line	Public.	50	80	....
Boston ave. . . .	Broadway	Highland road . . .	Public.	65	287	....
Boston ave. . . .	Highland road . . .	Prichard ave. . . .	Public.	50	509	....
Boston ave. . . .	Prichard ave. . . .	Easterly to angle in st.	Private.	50	....	146
Boston ave. . . .	Angle in st. south'y	Morrison ave. . . .	Private.	40	....	1,025
Boston	Washington st. . .	Prospect Hill ave. .	Public.	45	640	....
Boston	Prospect Hill av. .	Walnut st.	Public.	40	1,242	....
Bow	Union sq.	Wesley sq.	Public.	60	658	....
Bow	Wesley sq.	Somerville ave. . . .	Public.	50	570	....
Bowdoin	Washington st. . .	Lincoln park	Public.	40	341	....
Bowers ave. . . .	Cottage ave. . . .	Elm st.	Private.	24	....	288
Bow St. pl.	Bow st.	Northwesterly . . .	Private.	40	....	300
Bradford ave. . .	School st.	Southeasterly . . .	Private.	40	....	150
Bradley	Pearl st.	Walter st.	Public.	40	762	....
Brastow ave. . . .	Lowell st.	Porter st.	Public.	40	686	....
Bristol road . . .	Broadway	Medford line	Private.	40	....	98
Broadway	Charlestown line .	Cross st.	Public.	100	2,590	....
Broadway	Cross st.	Marshall st.	Public.	100 to 200	2,060	....
Broadway	Marshall st. . . .	Main st.	Public.	100	1,570	....
Broadway	Main st.	Top of hill	Public.	100 to 90	1,030	....
Broadway	Top of hill	Albion st.	Public.	90	2,540	....
Broadway	Albion st.	Willow ave.	Public.	90 to 70	1,030	....
Broadway	Willow ave.	Paulina st.	Public.	70	3,250	....
Broadway	Paulina st.	Arlington line . . .	Public.	65-60-65	3,220	....
Broadway pl. . . .	Broadway	Southwesterly . . .	Private.	22	....	250
Bromfield road . .	Warner st.	Dearborn road . . .	Public.	40	1,262	....
Brook	Glen st.	Cross st.	Public.	40	504	....
Browning road . .	Sycamore st.	Central st.	Public.	40	679	....
Buckingham	Beacon st.	Dimick st.	Public.	40	292	....
Buena Vista rd. . .	Holland st.	Southwesterly . . .	Private.	35	....	72
*Burnham	Broadway	Powder House Blvd. .	Private.	40	....	537
Burnside ave. . . .	Elm st.	Summer st.	Public.	40	720	....
Cady av.	Simpson ave.	Northwesterly . . .	Private.	40	....	194
Caldwell ave. . . .	Washington st. . .	Southerly	Private.	20	....	210
Calvin	Beacon st.	Dimick st.	Public.	40	263	....
Calvin	Dimick st.	Washington st. . . .	Public.	30	392	....
Cambria	Central st.	Benton road	Public.	40	488	....
Cameron ave. . . .	Holland st.	Cambridge line . . .	Public.	60	1,065	....
Campbell pk.	Meacham rd.	Kingston st.	Public.	40	399	....
Campbell Pk. pl. . .	Kingston st.	Arlington Br. R. R. .	Private.	20	....	84
Carlton	Somerville ave. . .	Lake st.	Public.	40	300	....
Carver	Porter st.	Northwesterly . . .	Private.	40	....	156
Cedar ave.	Cedar st.	Linden ave.	Private.	22	....	290
Cedar ct.	Cedar st.	Southeasterly . . .	Private.	15+	....	70+
Cedar St. pl.	Murdock st.	Southwesterly . . .	Private.	20	....	220
Cedar St. pl.	Cedar n'r Elm st. .	Southeasterly . . .	Private.	12+	....	80+
Cedar	Elm st.	Broadway	Public.	40	4,137	....
Central	Somerville ave. . .	Summer st.	Public.	33	1,043	....
Central	Summer st.	Medford st.	Public.	40	2,539	....
Central	Medford st.	Broadway	Public.	45	1,079	....
Centre	Albion st.	B. & L. R. R. . . .	Private.	35	....	200
Chandler	Park ave.	Broadway	Public.	40	1,232	....
Chapel	College ave.	Chandler st.	Public.	40	273	....
Chapel ct.	Sycamore st.	Northwesterly . . .	Private.	12	....	130
Charles	Washington st. . .	Southerly	Public.	30	166	....
Charlestown	Allen st.	Easterly	Private.	15	....	400
Charnwood road . .	Willow ave.	Hancock st.	Public.	40	589	....
*Chelsea	Mystic ave.	Melrose st.	Private.	50	....	1,390

*Proposed.

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	TO	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Cherry	Elm st.	Highland ave.	Public.	45	1,450	....
Chester	Elm st.	Cambridge line	Public.	40	835	....
Chester ave.	Medford st.	Angle	Public.	about 22	220	....
Chester ave.	Angle	Cross st.	Private.	20	....	445
Chester pl.	Chester st.	Northwesterly	Private.	40	....	200
Chestnut	Poplar st.	Southeasterly	Public.	40	537	....
Chetwynd road	Curtis st.	West Adams st.	Private.	40	...	892
Church	Summer st.	Lake st.	Public.	40	964	....
City road	Broadway	Cedar st.	Private.	45	....	980
Claremon	Holland st.	Mead st.	Public.	40	560	....
Clarendon ave.	Broadway	Cambridge line	Public.	40	1,217	....
Clark	Newton st.	Lincoln parkway	Private.	35	....	545
Cleveland	Central st.	Harvard st.	Public.	40	459	....
Clifton	Appleton st.	Morrison ave.	Public.	40	200	....
Clifton	Morrison ave.	Arlington Br. R. R.	Private.	40	....	220
Clyde	Cedar st.	Murdock st.	Private.	30	....	600
College ave.	Davis sq.	Medford line	Public.	60	4,080	....
Columbia	Webster ave.	Cambridge line	Public.	40	816	....
Columbia ct.	Columbia st.	Webster ave.	Private.	9	....	150
Columbus ave.	Washington st.	Walnut st.	Public.	40	1,425	....
Concord ave.	Prospect st.	Wyatt st.	Public.	40	1,483	....
Concord ave.	Wyatt st.	Beacon st.	Public.	30	472	....
Congress pl.	Linwood st.	Somerville ave.	Public.	50	202	....
Conlon ct.	Columbia st.	Easterly	Private.	20	....	200
Connecticut ave.	Mystic ave.	Pennsylvania ave.	Private.	40	....	487
Conwell ave.	Curtis st.	North st.	Public.	40	1,346	....
Conwell	Highland ave.	Southwesterly	Public.	35	363	....
Cooney	Beacon st.	Line st.	Private.	30	....	220
Corinthian road	Broadway	Cady ave.	Private.	40	....	640
Cottage ave.	Russell st.	Chester st.	Public.	40	550	....
Cottage circle	Cottage ave.	Southwesterly	Private.	25	....	87
Cottage pl.	Washington st.	Northwesterly	Private.	about 11	....	150
Craigie	Somerville ave.	Summer st.	Public.	50	1,280	....
Craigie ter.	16 Craigie st.	Westerly	Private.	25	....	126
Crescent	Washington st.	Pearl st.	Private.	30 to 38	....	650
Crocker	Highland ave.	Crown st.	Public.	40	528	....
Cross	Medford st.	Broadway	Public.	45	2,680	....
Cross	Broadway	Mystic ave.	Public.	40	1,100	....
Cross St. pl.	Cross st.	Northwesterly	Private.	24	....	150
Crown	Porter st.	Lowell st.	Private.	30	....	700
Curtis ave.	Curtis st.	Proposed st.	Private.	40	....	654
Curtis	Broadway	Medford line	Public.	40	2,357	....
Cutler	Hinckley st.	Northwesterly	Private.	20	....	170
Cutter ave.	Summer st.	Highland ave.	Public.	40	480	....
Cutter pk.	Cutter ave.	Northwesterly	Private.	12	....	83
Cutter	Broadway	Webster st.	Public.	40	730	....
Cypress	Central st.	Beech st.	Public.	40	262	....
Dana	Bonair st.	Pearl st.	Public.	40	696	....
Dane	Somerville ave.	Washington st.	Public.	40	1,341	....
Dane ave.	Somerville ave.	Leland st.	Public.	30	569	....
Dante terrace	Craigie st.	Westerly	Private.	25	....	125
Dartmouth	Medford st.	Broadway	Public.	40	1,465	....
Day	Elm st.	Cambridge line	Public.	40	908	....
Dearborn road	Boston ave.	College ave.	Public.	50	469	....
Delaware	Aldrich st.	Pearl st.	Public.	40	451	....
Dell	Glen st.	Tufts st.	Public.	40	466	....
Derby	Temple st.	Grant st.	Public.	40	831	....
Derby	Grant st.	Wheatland st.	Private.	40	....	200
Dexter	Broadway	Medford line	Private.	50	....	25
Dickinson	Springfield st.	Beacon st.	Public.	40	770	....
Dickson	Broadway	Fairmont ave.	Private.	40	....	271
Dimick	Concord ave.	Calvin st.	Public.	40	957	....
Dix pl.	Linwood st.	Southwesterly	Private.	10	....	100
Douglas ave.	Edgar ave.	Southeasterly	Private.	30	....	162
Dover	Elm st.	Cambridge line	Public.	40	975	....
Dow	PowderHouseBd.	Ware st.	Private.	40	....	257
Downer pl.	Downer st.	B. & L. R. R.	Private.	20	....	125
Downer	Nashua st.	Southeasterly	Private.	20	....	120

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Dresden circle	Cutter ave. . . .	Westerly	Private.	30	...	133
Durham	Beacon st. . . .	Hanson st. . . .	Public.	40	423	....
Dynamo	Willow ave. . . .	Whipple st. . . .	Private.	30	....	255
Earle	South st. . . .	Fitchburg R. R.	Private.	30	...	322
East Albion	Mt. Vernon ave.	E. of Moreland st.	Private.	25	...	188
East Albion	E. of Moreland st.	Medford line. . . .	Private.	40	...	490
Eastman road. . . .	Highland ave. . . .	Southwesterly	Public.	40	296	....
Edgar ave. . . .	Main st. . . .	Meacham st. . . .	Private.	50	....	800
*Edgeworth	Mystic ave. . . .	Melrose st. . . .	Private.	50	....	1,380
Edmonds	Broadway	near Bonair st. . . .	Public.	40	376	....
Edmonton ave. . . .	Cross st. . . .	Fellsway east	Private.	40	....	630
Electric ave. . . .	Mason st. . . .	Packard ave. . . .	Private.	40	....	632
Electric ave. . . .	Packard ave. . . .	Curtis st. . . .	Public.	40	681	....
Eliot	Vine st. . . .	Park st. . . .	Public.	40	291	....
Ellington road	Highland ave. . . .	Northeasterly	Private.	35	....	120
Ellington road	West st. . . .	Northwesterly	Private.	30	....	405
Ellsworth	Cross st. . . .	Rush st. . . .	Public.	40	230	....
Elm ct. . . .	Villa ave. . . .	Northwesterly	Private.	18	....	70
Elm pl. . . .	Harvard st. . . .	Westerly	Private.	30	....	190
Elm	Somerville ave. . . .	Cherry st. . . .	Public.	63	1,672	....
Elm	Cherry st. . . .	White st. . . .	Public.	63 to 60	330	....
Elm	White st. . . .	Banks st. . . .	Public.	60	660	....
Elm	Banks st. . . .	Beech st. . . .	Public.	60 to 77.5	290	....
Elm	Beech st. . . .	Tenney st. . . .	Public.	77.5 to 60	570	....
Elm	Tenney st. . . .	Davis sq. . . .	Public.	60	1,429	....
Elmwood	Holland st. . . .	Cambridge line	Public.	40	1,057	....
Elmwood ter. . . .	Elmwood st. . . .	Easterly	Private.	20	....	190
Elston	Elm st. . . .	Summer st. . . .	Public.	40	396	....
Emerson	Everett st. . . .	Newton st. . . .	Private.	30	....	170
Emery	Fitchburg R. R.	South st. . . .	Private.	30	....	335
Endicott ave. . . .	Broadway	Woodstock st. (Ext'n)	Private.	40	....	800
Essex	Medford st. . . .	Richdale ave. . . .	Public.	40	232	....
Eustis	Beacon st. . . .	Cambridge line	Private.	30	....	150
Everett ave. . . .	Cross st. . . .	Dana st. . . .	Public.	40	845	....
Everett	Webster ave. . . .	Newton st. . . .	Private.	30	....	350
Evergreen ave. . . .	Marshall st. . . .	Sycamore st. . . .	Public.	40	1,320	....
Evergreen sq. . . .	Porter st. . . .	Southeasterly	Private.	8	....	200
Exchange pl. . . .	Washington st. . . .	Southerly	Private.	4.5	....	70
Fairlee	Cherry st. . . .	Northwesterly	Public.	30	144	....
Fairmount ave. . . .	Curtis st. . . .	Northwesterly	Public.	40	679	....
Fairview ter. . . .	Sycamore st. . . .	Southwesterly	Private.	15	....	173
Farragut ave. . . .	Broadway	Woodstock st. (Ext'n)	Public.	40	905	....
†Fellsway	Mystic ave. . . .	Mystic river	Public.	70 to 130	2,500	....
†Fellsway east (Winthrop ave.)	Broadway	Mystic ave. . . .	Public.	50	1,222	....
†Fellsway west (Chauncey ave.)	Broadway	Mystic ave. . . .	Public.	50	1,324	....
Fenwick	Broadway	Jaques st. . . .	Public.	40	601	....
Fisk ave. . . .	Hinckley st. . . .	Lowell st. . . .	Public.	20	484	....
Fitchburg ct. . . .	Fitchburg st. . . .	Southeasterly	Private.	10	....	225
Fitchburg	Linwood st. . . .	B. & L. R. R.	Private.	40	....	400
Flint ave. . . .	Flint st. . . .	Northerly	Private.	40	....	200
Flint	Franklin st. . . .	Aldrich st. . . .	Public.	40	1,790	....
Florence	Washington st. . . .	Perkins st. . . .	Public.	40	1,304	....
Florence ter. . . .	Jaques st. . . .	Southwesterly	Private.	20	....	90
Forest	Beacon st. . . .	Cambridge line	Public.	40	117	....
Forster	Sycamore st. . . .	Central st. . . .	Private.	30	....	430
Fosket	Willow ave. . . .	Liberty ave. . . .	Public.	40	668	....
Fountain ave. . . .	Cross st. . . .	Glen st. . . .	Public.	30	578	....
Francesca ave. . . .	College ave. . . .	Liberty ave. . . .	Public.	40	762	....
Francis	Porter st. . . .	Conwell st. . . .	Public.	30	180	....
Francis	Washington st. . . .	Franklin st. . . .	Public.	20	575	....
Franklin ave. . . .	Washington st. . . .	Franklin st. . . .	Private.	15	....	100
Franklin pl. . . .	Franklin st. . . .	Southeasterly	Private.	15	....	100
Franklin	Broadway	Washington st	Public.	40+	2,316	....
Frederick ave. . . .	Willow ave. . . .	Boston ave. . . .	Public.	40	1,175	....

* Proposed.

† Metropolitan Park Commission Boulevard.

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Fremont ave.	Bowdoin st. . . .	Lincoln pk. . . .	Public.	30	232	....
Fremont	Main st.	Near E. Albion st.	Public.	49	1,112	....
Fremont	Near E. Albion st.	Mystic ave. . . .	Private.	40	....	335
Garden ct. . . .	Somerville ave. .	Fitchburg R. R. .	Private.	25	....	370
Garfield ave. . .	Broadway	Middlesex ave. . .	Private.	40	....	1,430
Garrison ave. . .	Broadway	Land of City of Camb.	Public.	40	460	....
Garrison ave. . .	Land City of Camb.	Woodstock st. (Ext'n)	Private.	40	....	390
George	Broadway	Lincoln ave. . . .	Public.	30	275	....
Gibbens	Central st. . . .	Benton road	Public.	40	492	....
Gibbens	Benton rd.	Northwesterly . . .	Private.	40	....	133
Giles pk.	Walnut st.	Northwesterly . . .	Public.	32.71	167	....
Gill's ct.	Franklin st. . . .	Westerly	Private.	10	....	100
Gilman	Cross st.	Walnut st.	Public.	40	1,430	....
Gilman ter. . . .	Pearl st.	Northeasterly . . .	Public.	40	360	....
Gilson ter. . . .	Linden ave. . . .	Northwesterly . . .	Private.	20	....	124
Glen	Broadway	Tufts st.	Public.	40	2,373	....
Glendale ave. . .	Cameron ave. . .	Yorktown st. . . .	Public. .	40	410	....
Glenwood road . .	Vernon st.	Broadway	Public.	40	1,524	....
Glover circle . . .	Meacham road . .	Southeasterly . . .	Private.	20	....	110
Gorham	Holland st.	Howard st.	Public.	40	763	....
Gould ave.	Porter st.	Southeasterly . . .	Private.	16	....	156
Gove ct.	Cedar st.	Southeasterly . . .	Private.	15	....	145
Grand View ave. .	Walnut st.	Vinal ave.	Public.	40	542	....
Granite	Somerville ave. .	Osgood st.	Public.	40	411	....
Grant	Broadway	Mystic ave.	Public.	40	1,405	....
Greene	Summer st.	Laurel st.	Public.	40	555	....
Greenville	Medford st. . . .	Munroe st.	Public.	40	660	....
Greenville ter. . .	Greenville st. . .	Northerly	Private.	20	....	250
Greenwood ter. . .	Beacon st.	Northeasterly . . .	Private.	25	....	165
Gritter way	College ave. . . .	Pearson rd.	Private.	4	....	320
Grove	Elm st.	Morrison ave. . . .	Public.	40	996	....
Hadley ct.	Franklin st. . . .	Westerly	Private.	20	....	150
Hall ave.	College ave. . . .	Liberty ave.	Public.	40	926	....
Hall	Cedar st.	Cherry st.	Public.	30	456	....
Hamlet	Highland ave. . .	Boston st.	Public.	30	616	....
Hammond	Dickinson st. . . .	Concord ave. . . .	Public.	40	267	....
Hancock	Elm st.	Highland ave. . . .	Public.	40	1,349	....
Hancock	Highland ave. . .	Lexington ave. . . .	Public.	50	376	....
Hanson ave.	Hanson st.	Easterly	Private.	30	....	252
Hanson	Washington st. . .	Skehan st.	Public.	30	469	....
Hanson	Skehan st.	Vine st.	Public.	35	347	....
Hardan road	Powder House Bld.	Ware st.	Private.	20 and 40	....	283
Harding	South st.	Cambridge line . . .	Private.	30	....	115
Harold	Dimick st.	Marion st.	Private.	40	....	317
Harrison	Ivaloo st.	Kent st.	Public.	40	644	....
Harrison	Elmwood st. . . .	Southeasterly . . .	Private.	40	....	210
Harvard pl.	Harvard st.	Westerly	Private.	35	....	200
Harvard	Summer st.	Beech st.	Public.	40	717	....
Hathorn	Broadway	Arlington st.	Public.	40	339	....
Hawkins	Somerville ave. .	Washington st. . . .	Public.	40	330	....
Hawthorne	Willow ave	Cutter ave.	Public.	30	807	....
Hayden ter. . . .	Linden ave. . . .	Easterly	Private.	20	....	120
Heath	Temple st.	Bond st.	Public.	45	1,043	....
Heath	Bond st.	Mt. Vernon ave. . . .	Private.	40	....	336
Heath	Mt. Vernon ave. .	Moreland st.	Public.	40	364	....
Henderson	Richardson st. . .	B. & L. R. R. . . .	Public.	20	569	....
Hennessy ct. . . .	Medford st. . . .	Fisk ave.	Private.	20	....	250
Henrietta ct. . . .	Somerville ave. .	Northerly	Private.	8 and 20.	....	161
Henry ave.	Highland ave. . .	Lexington ave. . . .	Public.	40	290	....
Herbert	Chester st.	Day st.	Public.	40	337	....
Hersey	Berkeley st. . . .	Oxford st.	Private.	40	....	230
Higgins ct.	Mt. Vernon st . . .	Westerly	Private.	16	....	149
Highland ave. . . .	Medford st. . . .	Davis sq.	Public.	69	9,135	....
Highland p'th. east	Morrison ave. . . .	Arlington Br. R. R.	Private.	10	....	107
Highland p'th. west	Morrison ave. . . .	Arlington Br. R. R.	Private.	10	....	108
*Highland road . .	Morrison ave. . . .	Boston ave.	Public.	30(70 wide)	1,499	....
Hill	Broadway	Fairmount ave. . . .	Public.	40	284	....

*Roadway (only) accepted 30 feet wide, full width of street 70 feet.

Table Showing the Location, Length and Width of Public and Private Streets.—Continued.

STREET.	FROM	TO	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Hillsdale rd. . . .	Conwell ave. . . .	Sunset rd. . . .	Private.	40	....	632
Hillside ave. . . .	Pearl st. . . .	Southwesterly . . .	Private.	30	....	150
Hillside cir. . . .	Craigie st. . . .	Westerly	Private.	16	....	151
Hillside pk. . . .	Walnut st. . . .	Northwesterly . . .	Public.	40	196	....
Hinckley	Broadway	B. & L. R. R. . . .	Public.	30 and 35	1,081	....
Hodgdon pl. . . .	Dane ave. . . .	Northeasterly . . .	Private.	about 20	....	150
Holland	Davis sq. . . .	Broadway	Public.	60	2,696	....
Holt's ave. . . .	Oak st. . . .	Southeasterly . . .	Private.	10	....	100
Holyoke road . . .	Elm st. . . .	Elm st. . . .	Public.	40	637	....
Homer sq. . . .	Bonner ave. . . .	Northwesterly . . .	Public.	30+	200	....
Horace	South st. . . .	Fitchburg R. R. . .	Private.	30	....	510
Houghton	Springfield st. . .	Cambridge line. . .	Public.	40	653	....
Howard	Thorndike st. . . .	Gorham street . . .	Public.	40	431	....
Howe	Marshall st. . . .	School st. . . .	Public.	40	445	....
Hudson. . . .	Central st. . . .	Cedar st. . . .	Public.	40	2,760	....
Hunting	South st. . . .	Cambridge line . . .	Private.	30	....	125
Ibbetson	Somerville ave. . .	Lowell st. . . .	Public.	40	802	....
Illinois ave. . . .	Broadway	Pennsylvania ave. .	Private.	40	....	427
Indiana ave. . . .	Broadway	Pennsylvania ave. .	Private.	40	....	384
Irving	Holland st. . . .	Broadway	Public.	40	1,180	....
Ivaloo	Beacon st. . . .	Park st. . . .	Public.	40	685	....
James	Pearl st. . . .	Veazie st. . . .	Public.	40	320	....
Jaques	Fellsway west . . .	Temple st. . . .	Public.	40	1,182	....
Jaques	Temple st. . . .	Bond st. . . .	Public.	45	1,005	....
Jasper pl. . . .	Walnut st. . . .	Easterly	Private.	20	....	80
Jasper	Pearl st. . . .	Gilman st. . . .	Public.	40	283	....
Jay	Holland st. . . .	Howard st. . . .	Public.	40	534	....
Jerome ct. . . .	Sycamore st. . . .	Jerome st. . . .	Private.	10	....	150
Jerome	Montrose st. . . .	Jerome ct. . . .	Private.	20	....	125
Jerome	Lawrence rd. . . .	Mystic Valley Park'y	Private.	40	....	495
Joseph	Newton st. . . .	Lincoln parkway . .	Public.	40	458	....
Josephine ave. . .	Morrison ave. . . .	Broadway	Public.	45	1,718	....
Joy	Washington st. . . .	Poplar st. . . .	Public.	30	1,121	....
Joy St. pl. . . .	Joy st. . . .	Southwesterly . . .	Private.	30	....	175
Kenneson road . . .	Broadway	Walnut road	Private.	30	....	338
Kensington ave. . .	Broadway	Blakeley ave. . . .	Public.	40	455	....
*Kensington ave. .	Blakeley ave. . . .	Middlesex ave. . . .	Private.	40	....	1,150
Kent ct. . . .	Kent st. . . .	Northerly	Private.	about 25	....	420
Kent	Somerville ave. . .	Fitchburg R. R. . .	Public.	40	292	....
Kent	Fitchburg R. R. . .	Beacon st. . . .	Public.	25	386	....
Kenwood	College ave. . . .	Billingham st. . . .	Public.	40	322	....
Kidder ave. . . .	College ave. . . .	Willow ave. . . .	Public.	40	1,329	....
Kilby	Somerville ave. . .	Southwesterly . . .	Private.	20	....	180
Kimball	Lowell st. . . .	Craigie st. . . .	Private.	40	....	303
Kingman road. . . .	Washington st. . . .	Fitchburg R. R. . .	Private.	25	....	400
Kingston	Meacham road . . .	Cambridge line . . .	Public.	40	647	....
Knapp	School st. . . .	Granite st. . . .	Public.	40	379	....
Knowlton	Tufts st. . . .	N'E'y line Est. 37	Public.	40	461	....
Knowlton	End of above . . .	Oliver st. . . .	Private.	40	....	464
Lake	Hawkins st. . . .	Church st. . . .	Public.	40	840	....
Lamson ct. . . .	Linwood st. . . .	Poplar st. . . .	Private.	20	....	370
Landers	School st. . . .	Westerly	Public.	40	228	....
Langmaid ave. . . .	Broadway	Heath st. . . .	Public.	30	353	....
Latin way	Talbot ave. . . .	Professors row . . .	Private.	60	....	250
Laurel ave. . . .	Laurel st. . . .	Northwesterly . . .	Private.	18	....	125
Laurel	Somerville ave. . .	Summer st. . . .	Public.	40	983	....
Lawrence road . . .	Medford line	Mystic Valley Park'y	Private.	40	....	585
Lawson ter. . . .	Putnam st. . . .	Easterly	Private.	5	....	200
Lee	Medford st. . . .	Richdale ave. . . .	Public.	40	385	....
Leland	Washington st. . . .	Dane ave. . . .	Public.	40	359	....
Leon	Concord ave. . . .	Dickinson st. . . .	Public.	40	155	....
Leonard pl. . . .	Joy st. . . .	Northeasterly . . .	Private.	13+	....	98
Leonard st. . . .	Broadway	Powder House Blvd.	Private.	40	....	445
Lesley ave. . . .	Highland ave. . . .	Lexington ave. . . .	Public.	40	333	....

*Proposed.

Table Showing the Location, Length and Width of Public and Private Streets.— Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Leslie pl. . . .	Highland ave. .	Northerly . . .	Private.	12	....	75
Lester ter. . . .	Meacham road .	Northwesterly .	Private.	20	....	190
Lexington ave. .	Willow ave. . .	Hancock st. . .	Public.	50	624	....
Lexington ave. .	Hancock st. . .	Angle	Public.	45 to 40	147	....
Lexington ave. .	Angle	Cedar st. . . .	Public.	40	578	....
Liberty ave. . .	Broadway . . .	Hall ave. . . .	Public.	40	1,395	....
Liberty ave. . .	Hall ave. . . .	Appleton st. .	Public.	40	98	....
Liberty rd. . . .	Morrison ave. .	Liberty ave. . .	Private.	16	....	200
Lincoln ave. . .	Lincoln st. . .	Mt. Vernon st.	Public.	30	478	....
Lincoln parkway.	Washington st.	Perry st. . . .	Public.	40	1,520	....
Lincoln pl. . . .	Lincoln ave. .	Northerly . . .	Private.	9	....	120
Lincoln	Broadway. . . .	Perkins st. . .	Public.	40	550	....
Linden ave. . . .	Elm st.	Summer st. . .	Public.	45	1,083	....
Linden ave. . . .	Summer st. . . .	Northeasterly .	Private.	45	....	250
Linden circle . .	Linden ave. . .	Southeasterly .	Private.	24	....	120
Linden pl. . . .	Linden ave. . .	Northwesterly .	Private.	20	....	160
Linden	Somerville ave. .	Charlestown st.	Public.	33	587	....
Line	Washington st. .	Cambridge line	Public.	33	1,727	....
Linehan ct. . . .	Linwood st. . .	Chestnut st. . .	Private.	about 15	....	200
Linwood pl. . . .	Linwood st. . .	Southwesterly .	Private.	about 12	....	150
Linwood	Somerville ave. .	Washington st. .	Public.	50	2,114	....
London	Linwood st. . .	B. & L. R. R. .	Private.	40	....	340
Loring	Somerville ave. .	Osgood st. . . .	Public.	40	413	....
Louisburg pl. . .	Autumn st. . . .	Easterly	Private.	13	....	90
Lovell	Broadway	Electric ave. . .	Public.	40	385	....
Lowden ave. . . .	Broadway	Fosket st. . . .	Public.	40	1,247	....
Lowell	Somerville ave. .	Summer st. . . .	Public.	36	1,259	....
Lowell	Summer st. . . .	Medford st. . .	Public.	40	3,472	....
Lowell circle . .	Lowell st. . . .	Westerly	Private.	11 and 27.5	....	143
Lowell ter. . . .	Lowell st. . . .	Northwesterly .	Private.	20	....	150
Madison	School st. . . .	Sycamore st. . .	Public.	40	891	....
Main	Broadway	Medford line . .	Public.	50	966	....
Maine ave. . . .	Mystic ave. . . .	Pennsylvania ave.	Private.	40	....	379
*Malden	Mystic ave. . . .	Melrose st. . . .	Private.	50	....	1,360
Mallet	Willow ave. . . .	Liberty ave. . .	Public.	40	657	....
Malloy ct.	Somerville ave. .	Merriam ave. . .	Private.	30	....	255
Malvern ave. . .	Cameron ave. . .	Yorktown st. . .	Public.	40	410	....
Manila road . . .	Beacon st. . . .	Sacramento st. .	Private.	40	....	408
Mansfield	Somerville ave. .	Washington st. .	Public.	40	735	....
Maple ave. . . .	School st. . . .	Southeasterly .	Private.	40	....	300
Maple pl.	Marshall st. . .	Maple ave. . . .	Private.	5	....	125
Maple	Poplar st. . . .	Medford st. . .	Public.	30	699	....
Mardel circle . .	Spring st. . . .	Northwesterly .	Private.	8	....	140
Marion	Concord ave. . .	Dimick st. . . .	Public.	40	1,141	....
Marshall	Broadway	Pearl st.	Public.	40	1,650	....
Mason	Broadway	Powder House Blvd.	Private.	40	....	683
May pl.	Hawkins st. . . .	Easterly	Private.	12	....	100
McCarroll ct. . .	Clyde st.	Southwesterly .	Private.	25	....	75
McCulpe pl. . . .	Medford st. . . .	Easterly	Private.	10	....	110
McGregor ave. . .	Wigglesworth st.	Walnut st. . . .	Private.	13	....	302
Meacham road . .	Dover st.	Cambridge line .	Public.	40	1,060	....
Meacham	Mt. Vernon ave. .	Medford line . .	Private.	40	....	800
Mead	Cameron ave. . .	Moore st. . . .	Private.	40	....	340
Medford	Cambridge line .	Central st. . . .	Public.	50	8,047	....
Medford	Central st. . . .	Broadway	Public.	55	1,985	....
Melrose	Mystic ave. . . .	Fellsway	Private.	50	....	2,310
Melvin	Broadway	Bonair st. . . .	Public.	40	487	....
Merriam ave. . .	Merriam st. . . .	Malloy ct. . . .	Private.	15	....	255
Merriam	Washington st. .	Somerville ave. .	Public.	40	360	....
Merriam	Somerville ave. .	Charlestown st. .	Public.	30	510	....
Michigan ave. . .	Broadway	Pennsylvania ave.	Private.	40	....	470
Middlesex ave. .	Mystic ave. . . .	Fellsway	Public.	60	2,304	....
Milk pl.	Somerville ave. .	Southwesterly .	Private.	about 30	....	100
Miller	Sacramento st. .	Beacon st. . . .	Private.	33	....	465
Milton	Orchard st. . . .	Cambridge line .	Public.	40	223	....
Miner	Vernon st. . . .	Ames st.	Public.	40	244	....
Minnesota ave. .	Broadway	Pennsylvania ave.	Private.	40	....	525
Mondamin ct. . .	Ivaloo st. . . .	Harrison st. . .	Private.	25	....	250

*Proposed.

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	TO	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Monmouth . . .	Central st. . .	Westerly . . .	Public.	40	267	...
Monmouth . . .	End of above . .	Harvard st. . .	Private.	35	....	200
Montgomery ave.	Broadway . . .	Wellington ave. .	Public.	40	265	....
Montrose ct. . .	Montrose st. . .	B. & L. R.R. . .	Private.	12	....	110
Montrose . . .	School st. . .	Sycamore st. . .	Public.	40	886	....
Moore . . .	Holland st. . .	Mead st. . .	Public.	40	695	....
Moreland . . .	Main st. . .	Mystic ave. . .	Public.	40	1,471	....
Morgan . . .	Beacon st. . .	Park st. . .	Public.	40	377	....
Morrison ave.	Cedar st. . .	Willow ave. . .	Public.	50	1,366	....
Morrison ave.	Willow ave. . .	College ave. . .	Public.	40	1,690	....
Morrison pl. . .	Morrison ave. . .	Northerly . . .	Private.	20	....	190
Morrison pl. . .	Morrison pl. . .	Easterly . . .	Private.	15	....	175
Mortimer pl. . .	Marshall st. . .	Walter st. . .	Private.	20	....	280
Morton . . .	Glen st. . .	Knowlton st. . .	Public.	40	287	....
Mossland . . .	Somerville ave. .	Elm st. . .	Public.	40	377	....
Mountain ave.	Linden ave. . .	Porter st. . .	Private.	22	....	310
Mousal pl. . .	North Union st. .	B. & M. R. R. . .	Private.	20	....	200
Mt. Pleasant ct.	Perkins st. . .	Southwesterly . .	Private.	40	....	260
Mt. Pleasant . .	Broadway . . .	Perkins st. . .	Public.	33	584	....
*Mt. Vernon ave.	Meacham st. . .	Mystic ave. . .	Private.	50	....	764
Mt. Vernon . . .	Washington st. .	Pearl st. . .	Public.	40	600	....
Mt. Vernon . . .	Pearl st. . .	Perkins st. . .	Public.	50	473	....
Mt. Vernon . . .	Perkins st. . .	Broadway . . .	Public.	40	590	....
Munroe . . .	Walnut st. . .	Easterly . . .	Public.	40	375	....
Munroe . . .	End of above . .	Boston st. . .	Public.	50	1,214	....
Murdock . . .	Cedar st. . .	Clyde st. . .	Private.	30	....	900
Murray . . .	Washington st. .	Southerly . . .	Private.	30	....	250
Museum . . .	Beacon st. . .	Cambridge line . .	Public.	40	164	....
Myrtle ct. . .	Myrtle st. . .	Easterly . . .	Private.	10	....	100
Myrtle pl. . .	Myrtle st. . .	Westerly . . .	Private.	20+	....	120
Myrtle . . .	Washington st. .	Perkins st. . .	Public.	40	1,423	....
Mystic ave. . .	Charlestown line .	Union st. . .	Public.	60	378	....
†Mystic ave. . .	Union st. . .	Medford line . . .	Public.	66	6,938	....
Mystic . . .	Benedict st. . .	Mystic ave. . .	Public.	40	336	....
**Mystic Val. Pky.	Medford line . . .	Arlington line . .	Public.	60	2,330	....
Nashua . . .	Richardson st. .	B. & L. R. R. . .	Public.	35	637	....
Nevada ave. . .	Village st. . .	Hanson st. . .	Private.	20	....	200
Newberne . . .	Appleton st. . .	Morrison ave. . .	Public.	40	200	....
Newberne . . .	Morrison ave. . .	Arlington Br. R.R.	Private.	40	....	173
Newbury park . .	Newbury st. . .	Southeasterly . .	Private.	55	....	68
Newbury . . .	Holland st. . .	Cambridge line . .	Public.	40	1,260	....
N. Hampshire ave.	Mystic ave. . .	Pennsylvania ave. .	Private.	40	....	406
Newman pl. . .	Cedar st. . .	Southeasterly . .	Private.	15	....	100
Newton pl. . .	Newton st. . .	Easterly . . .	Private.	about 10	....	100
Newton . . .	Prospect st. . .	Webster ave. . .	Public.	25	470	....
Newton . . .	Webster ave. . .	Concord ave. . .	Public.	40+	637	....
Norfolk . . .	Webster ave. . .	Cambridge line . .	Public.	40	283	....
North . . .	Broadway . . .	Medford line b. 17	Public.	40	1,961	....
North . . .	Medford line b. 17	Medford line b. 18	Public.	37 to 42	649	....
North Union . . .	Mystic ave. . .	Northeasterly . .	Private.	30	....	600
Norton . . .	Nashua st. . .	Southeasterly . .	Private.	20	....	200
Norwood ave. . .	Broadway . . .	Medford st. . .	Public.	40	350	....
Oak . . .	Prospect st. . .	Angle . . .	Public.	40	665	....
Oak . . .	Angle . . .	Cambridge line . .	Public.	30	563	....
Oak St. pl. . .	Oak st. . .	Northerly . . .	Private.	4	....	85
Oak ter. . .	Elm st. . .	Northeasterly . .	Private.	10+	....	90
Oakland ave. . .	Marshall st. . .	School st. . .	Public.	40	440	....
Olive ave. . .	Linden ave. . .	Peterson ter. . .	Private.	25	....	155
Olive sq. . .	Lake st. . .	Southerly . . .	Private.	about 15	....	100
Oliver . . .	Franklin st. . .	Cross st. . .	Public.	40	1,085	....
Orchard . . .	Cambridge line . .	Meacham road . . .	Public.	40	1,567	....
Osgood . . .	Granite st. . .	Easterly & westly	Private.	40	....	450
Ossipee road . . .	Mason st. . .	Curtis st. . .	Public.	40	1,375	....
Otis . . .	Cross st. . .	Wigglesworth st. .	Public.	40	1,200	....
Oxford . . .	School st. . .	Central st. . .	Public.	35	1,861	....
Oxford . . .	Beacon st. . .	Cambridge line . .	Public.	50	100	....

*Proposed.

**Metropolitan Park Commission Boulevard.

†State Highway Austin St. to Medford line.

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Packard ave. . . .	Broadway . . .	Professors row . .	Public.	60	1,758	....
Packard ave. . . .	Professors row . .	Medford line . . .	Private.	60	....	242
Palmer ave. . . .	Franklin st. . . .	Northwesterly . . .	Private.	20	....	200
Park ave. . . .	College ave. . . .	Wallace st. . . .	Public.	40	467	....
Park pl. . . .	Laurel st. . . .	Easterly	Private.	30	....	220
Park pl. . . .	Park pl. . . .	Northeasterly . . .	Private.	20	....	150
Park	Somerville ave. . .	Beacon st. . . .	Public.	50	1,238	....
Parker pl. . . .	Porter st. . . .	Northwesterly . . .	Private.	20	....	150
Parker	Washington st. . .	Fremont ave. . . .	Public.	35	203	....
Partridge ave. . .	Vernon st. . . .	Broadway	Public.	40	1,467	....
Patten ct. . . .	Cutter st. . . .	Southeasterly . . .	Private.	8	....	100
Paulina	Broadway	Holland st. . . .	Public.	40	769	....
Pearl	Crescent st. . . .	Mt. Vernon st. . .	Public.	37	341	....
Pearl	Mt. Vernon st. . .	Franklin st. . . .	Public.	50	957	....
Pearl	Franklin st. . . .	Cross st. . . .	Public.	40	1,060	....
Pearl	Cross st. . . .	Medford st. . . .	Public.	50	2,447	....
Pearl St. pl. . . .	Pearl st. . . .	Northeasterly . . .	Private.	20	....	200
Pearl ter. . . .	Pearl st. . . .	Northerly	Private.	23	....	161
Pearson ave. . . .	Morrison ave. . .	Boston ave. . . .	Public.	45	1,320	....
Pearson road . . .	Broadway	Warner st. . . .	Public.	40	564	....
Pearson road . . .	Warner st. . . .	Dearborn road . . .	Private.	40	....	1,090
Pembroke ct. . . .	Pembroke st. . . .	Southwesterly . . .	Private.	25	....	130
Pembroke	Central st. . . .	Sycamore st. . . .	Public.	40	430	....
Pennsylvania ave. .	Broadway	Wisconsin ave. . . .	Private.	50	....	1,262
Pennsylvania ave. .	Wisconsin ave. . . .	Cross st. . . .	Private.	40	....	200
Perkins pl. . . .	Perkins st. . . .	Northeasterly . . .	Private.	20	....	200
Perkins	Franklin st. . . .	Charlestown line . .	Public.	40	1,336	....
Perry	Washington st. . .	Lincoln parkway . .	Public.	40	606	....
Peterson ter. . . .	Porter st. . . .	Olive ave. . . .	Private.	7.5	....	155
Pinckney pl. . . .	Pinckney st. . . .	Southeasterly . . .	Private.	24	....	125
Pinckney	Washington st. . .	Perkins st. . . .	Public.	40	1,186	....
Piper ave. . . .	Cedar st. . . .	Westerly	Private.	20	....	461
Pitman	Beech st. . . .	Spring st. . . .	Private.	30	....	380
Pitman	Spring st. . . .	Belmont st. . . .	Private.	26	....	390
Pleasant ave. . . .	Walnut st. . . .	Vinal ave. . . .	Public.	40	543	....
Poplar ct. . . .	Poplar st. . . .	Southeasterly . . .	Private.	10	....	80
Poplar	Somerville ave. . .	Linwood st. . . .	Public.	30	351	....
Poplar	Linwood st. . . .	Joy st. . . .	Public.	35	315	....
Poplar	Joy st. . . .	B. & L. R. R. . . .	Private.	35	....	65
Porter ave. . . .	Porter st. . . .	Northwesterly . . .	Private.	20	....	220
Porter	Elm st. . . .	Mountain ave. . . .	Public.	45	1,622	....
Porter	Mountain ave. . . .	Highland ave. . . .	Public.	40	415	....
Powder house boulevard . . .	Powder house square	Northwesterly, Mystic river and Medford line . . .	Public.	80	7,200	....
Powder house ter. . .	Kidder ave. . . .	Liberty ave. . . .	Public.	40	585	....
Prentiss	Beacon st. . . .	Cambridge Line . . .	Private.	35	....	150
Prescott	Summer st. . . .	Highland ave. . . .	Public.	50	1,110	....
Preston road	School st. . . .	Summer st. . . .	Public.	40	839	....
Prichard ave. . . .	Morrison ave. . . .	Boston ave. . . .	Public.	40	1,191	....
Princeton	Alpine st. . . .	Lowell st. . . .	Public.	40	648	....
Princeton	Lowell st. . . .	Centre st. . . .	Private.	40	....	540
Professors row . . .	College ave. . . .	Curtis st. . . .	Public.	40	2,000	....
Prospect	Washington st. . .	Cambridge line . . .	Public.	50	2,071	....
Prospect Hill av. . .	Medford st. . . .	Munroe st. . . .	Public.	40	597	....
Prospect Hill p'k'y . . .	Munroe st. . . .	Stone ave. . . .	Public.	40	400	....
Prospect pl. . . .	Prospect st. . . .	Newton st. . . .	Private.	20	....	130
Putnam	Summer st. . . .	Highland ave. . . .	Public.	50	1,262	....
Quincy	Somerville ave. . .	Summer st. . . .	Public.	40	781	....
Randolph pl. . . .	Cross st. . . .	Westerly	Private.	15	....	244
Raymond ave. . . .	Curtis st. . . .	North st. . . .	Public.	40	1,345	....
Record ct. . . .	Broadway	Southwesterly . . .	Private.	10	....	110
Reed's ct. . . .	Oliver st. . . .	Southwesterly . . .	Private.	20	....	105
Remick ct. . . .	Cutter st. . . .	Southeasterly . . .	Private.	10	....	100
Rhode Island ave. . .	Mystic ave. . . .	Pennsylvania ave. . .	Public.	40	460	....
Richardson	Lowell st. . . .	Hinckley st. . . .	Public.	35	467	....
Richardson ter. . . .	Richardson st. . . .	Northeasterly . . .	Private.	20	....	135
Richdale ave. . . .	School st. . . .	Sycamore st. . . .	Public.	40	875	....
Richmond hills {	Madison st. . . .	Southerly 146' . . .	Private.	30	....	146
	Madison st. s'ly146	Highland ave. . . .	Private.	10	....	140

Table Showing the Location, Length and Width of Public and Private Streets.—Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Roberts	Hinckley st. . .	Northwesterly . .	Private.	20	....	170
Robinson	Central st. . . .	Bartlett st. . . .	Public.	40	582	....
Rogers ave. . . .	Morrison ave. . .	Boston ave. . . .	Public.	45	1,682	....
Roland st. . . .	Waverly st. . . .	Boston line	Private.	40	....	100
Roseland	Beacon st. . . .	Cambridge line . .	Public.	40	121	....
Rossmore	Somerville ave. .	Washington st. . .	Public.	40	534	....
Royce pl.	Bonair st.	Northeasterly . . .	Private.	15+	....	175
Rush	Broadway	Flint st.	Public.	40	1,400	....
Russell road . . .	Broadway	Angle	Public.	40	559	....
Russell road . . .	Angle	North st.	Private.	40	....	635
Russell	Elm st.	Cambridge line . .	Public.	40	700	....
Sacramento	Somerville ave. .	Fitchburg R. R. . .	Public.	40	80	....
Sacramento	Fitchburg R. R. .	Beacon st.	Public.	40	290	....
Sacramento	Beacon st.	Cambridge line . .	Private.	40	....	156
Sanborn ave. . . .	Warren ave. . . .	Walnut st.	Public.	40	280	....
Sanborn ct.	Washington st. .	Northwesterly . . .	Private.	30	....	176
Sargent ave. . . .	Broadway	Walnut st.	Public.	40	1,075	....
Sartwell ave. . . .	Cedar st.	Cherry st.	Private.	35	....	400
Sawyer ave.	Packard ave. . . .	Curtis st.	Private.	40	....	690
School	Somerville ave. .	Highland ave. . . .	Public.	40	1,901	....
School	Highland ave. . .	Broadway	Public.	50	2,500	....
Sellon pl.	Marshall st. . . .	Northwesterly . . .	Private.	12	....	120
Seven Pines ave. .	Cameron ave. . .	Cambridge line . . .	Public.	40	92	....
Sewall ct.	Sewall st.	Southwesterly . . .	Private.	25	....	190
Sewall	Grant st.	Temple st.	Public.	40	615	....
Shawmut pl.	Shawmut st. . . .	Alston st.	Public.	30	190	....
Shawmut	Washington st. .	Cross st.	Public.	40	575	....
Shedd	Somerville ave. .	Merriam ave. . . .	Private.	40	....	310
Sherman ct.	Sargent ave. . . .	Marshall st.	Private.	10	....	250
Sibley ct.	Cutter st.	Northwesterly . . .	Private.	10	....	100
Sibley pl.	Cutter st.	Northwesterly . . .	Private.	10	....	100
Simpson ave. . . .	Broadway	Holland st.	Private.	40	....	825
Skehan	Dane st.	Hanson st.	Public.	30	306	....
Skehan	Hanson	Durham	Private.	30	....	414
Skilton ave. . . .	Pearl st.	Pearl st.	Private.	40	....	540
Smith ave.	Beacon st.	Line st.	Private.	25+	....	200
Snow ter.	Jaques st.	Southwesterly . . .	Private.	16	....	120
Somerville ave. . .	E. Camb. line . .	Union sq.	Public.	75	4,325	....
Somerville ave. . .	Union sq.	N. Camb. line . . .	Public.	70	6,793	....
South	Medford st. . . .	Water st.	Public.	30	989	....
Spencer ave. . . .	Cedar st.	Hancock st.	Public.	40	727	....
Spring ct.	Somerville ave. .	Westerly	Private.	20	....	200
Spring	Somerville ave. .	Summer st.	Public.	40	1,220	....
Springfield	Concord ave. . . .	Cambridge line . . .	Public.	40	788	....
Spring Hill ter. . .	Highland ave. . .	Belmont st.	Private.	20	....	670
Stanford ter. . . .	Beacon st.	Northeasterly . . .	Private.	20	....	200
Steeves circle . . .	Cherry st.	Easterly	Private.	15	....	120
Stickney ave. . . .	Marshall st. . . .	School st.	Public.	40	458	....
St. James ave. . . .	Elm st.	Summer st.	Public.	40	488	....
St. James ave. ext.	Summer st.	Northeasterly . . .	Public.	30	125	....
Stone ave.	Union sq.	Columbus ave. . . .	Public.	40	676	....
Stone ave.	Columbus ave. . .	Prospect Hill p'k'y	Public.	38	107	....
Stone pl.	Stone ave.	Southeasterly . . .	Private.	30	....	145
Summer	Bow st.	Elm st.	Public.	45	7,900	....
Summit ave.	Walnut st.	Vinal ave.	Public.	45	532	....
Summit	College ave. . . .	Billingham st. . . .	Public.	40	262	....
Sumner	Hinckley st. . . .	Northwesterly . . .	Private.	20	....	175
Sunnyside ave. . . .	Walnut st.	Wigglesworth st. . .	Public.	25 to 35	306	....
Sunset rd.	Curtis st.	Hillsdale road . . .	Private.	40	....	658
Sycamore	Broadway	Medford st.	Public.	45	1,275	....
Sycamore	Medford st. . . .	B. & L. R. R. . . .	Public.	40	667	....
Sycamore	B. & L. R. R. . .	Highland ave. . . .	Public.	35	722	....
Sydney	Grant st.	Temple st.	Public.	40	679	....
Talbot ave.	Packard ave. . . .	College ave.	Private.	50	....	1,409
* Tannery (Ext'n)	Cambridge line . .	Woodstock st (Ext'n)	Private.	40	....	160
Taunton	Wyatt st.	Easterly to angle . .	Private.	30	....	170
Taunton	Angle	Marion st.	Private.	20	....	95
Taylor pl.	Somerville ave. .	Southerly	Private.	15	....	200

*Proposed.

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	TO	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Taylor	Mystic ave.	Sydney st.	Private.	40	....	310
Teele ave.	Packard ave.	Curtis st.	Private.	40	....	685
Temple	Broadway	Mystic ave.	Public.	66	1,637	....
Tenney ct.	Mystic ave.	Northeasterly	Private.	30	....	400
Tennyson	Forster st.	Pembroke st.	Public.	40	922	....
Thorndike	Holland st.	Arl'ngt'n Br. R. R.	Public.	40	465	....
Thorndike	Arl'gt'n Br. R. R.	Kingston st.	Public.	40	115	....
Thorpe	Highland ave.	Southwesterly	Public.	30	468	....
Thurston	Broadway	Richdale ave.	Public.	40	1,660	....
Timmins pl.	Dane st.	Westerly	Private.	3.5	....	97
Tower ct.	Tyler st.	Northeasterly	Private.	25	....	150
Tower	Crown st.	Highland ave.	Public.	40	559	....
Tremont pl.	Tremont st.	Southeasterly	Private.	about 10	....	75
Tremont	Webster ave.	Cambridge line	Public.	40	589	....
Trull	Vernon st.	Medford st.	Public.	40	1,050	....
Trull lane	Highland ave.	Oxford st.	Private.	15	....	200
Tufts parkway	College ave.	College ave.	Public.	22	900	....
Tufts	Washington st.	Cross st.	Public.	40	982	....
Tyler	Vine st.	Dane st.	Public.	40	404	....
Union	Broadway	Mystic ave.	Public.	40	345	....
Union pl.	Linwood st.	Southwesterly	Private.	10	....	100
Upland Park	Main st.	Southwesterly	Private.	20	....	175
Veazie	Walnut st.	Bradley st.	Public.	35	392	....
Veazie	Bradley st.	Marshall st.	Public.	40	261	....
Vermont ave.	Mystic ave.	Pennsylvania ave.	Private.	40	....	433
Vernon	Central st.	Glenwood road	Public.	40	764	....
Vernon	Glenwood road	Partridge ave.	Public.	40 to 30	190	....
Vernon	Partridge ave.	Lowell st.	Public.	30	434	....
Victoria	Broadway	Cambridge line	Public.	40	1,036	....
Villa ave.	Winslow ave.	Arlington Br. R. R.	Private.	35	....	200
Village	Dane st.	Vine st.	Private.	25	....	370
Vinal ave.	Summer st.	Highland ave.	Public.	45	1,425	....
Vinal	Richardson st.	Northeasterly	Private.	20	....	200
Vine ct.	Vine st.	Northwesterly	Private.	25	....	140
Vine	Somerville ave.	Hanson st.	Private.	40	....	780
Vine	Hanson st.	Beacon st.	Public.	30	662	....
Virginia	Aldrich st.	Jasper st.	Public.	40	405	....
Wade ct.	Cedar st.	Westerly	Private.	20	....	180
Waldo ave.	Beacon st.	Dimick st.	Private.	40	....	277
Waldo	Highland ave.	Hudson st.	Public.	40	287	....
Walker st.	Broadway	Leonard st.	Private.	40	....	713
Wallace	Holland st.	Broadway	Public.	40	1,342	....
Walnut	Bow st.	Broadway	Public.	40	3,948	....
Walnut road	Walnut st.	Kenneson road	Public.	40	270	....
Walter pl.	Walter st.	Southwesterly	Private.	40	....	222
Walter	Walnut st.	{ about 100 ft. N. } { of Bradley st. }	Public.	40	548	....
Ward	Medford st.	Emery st.	Private.	30	....	450
Ware	Curtis st.	Dow st.	Private.	40	....	680
Warner	Powder House sq.	Medford line	Public.	60	500	....
Warren ave.	Union sq.	Columbus ave.	Public.	40	663	....
Warren	Medford st.	Cambridge line	Public.	30 to 40	109	....
Warwick place	Warwick st.	Northeasterly	Private.	15	....	150
Warwick	Cedar st.	Warwick pl.	Private.	40	665	....
Washington ave.	Washington st.	Northerly	Private.	18	....	350
Washington pl.	Washington st.	Southerly	Private.	about 7.5	....	114
Washington	Charlest'n line	Franklin ave.	Public.	75	1,060	....
Washington	Franklin ave.	Fitchburg R. R.	Public.	60 to 100	3,977	....
Washington	Fitchburg R. R.	Cambridge line	Public.	60	2,344	....
Water	South st.	Northerly	Public.	25	366	....
Waterhouse	Broadway	Cambridge line	Public.	40	987	....
Watson	Broadway	Fairmount ave.	Private.	40	....	236
Waverly	Washington st.	Roland st.	Private.	35	....	200
Webster ave.	Union sq.	Cambridge line	Public.	49.5	1,955	....
Webster	Franklin st.	Cross st.	Public.	40	1,034	....
Wellington ave.	Walnut st.	Montgomery ave.	Public.	40	215	....
Wellington ave.	Montgomery ave.	Easterly	Private.	40	....	85

Table Showing the Location, Length and Width of Public and Private Streets. — Concluded.

STREET.	FROM.	TO	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Wesley pk.	Wesley sq.	Northeasterly . . .	Public.	40	405	....
Wesley	Pearl st.	Otis st.	Public.	40	515	....
West	Hawthorne st. . . .	Highland ave. . . .	Public.	30	192	....
West	Highland ave. . . .	Arlington Br.R.R.	Private.	30	....	266
West Adams	Conwell ave.	Medford line	Private.	40	....	710
Westminster	Broadway	Electric ave.	Public.	40	376	....
Weston ave.	Clarendon ave. . . .	Broadway	Private.	40	....	525
West Quincy	Bailey st.	Medford line	Private.	40	....	291
Westwood road	Central st.	Benton road	Public.	40	489	....
Wheatland	Broadway	Mystic ave.	Public.	40	1,364	....
Wheeler	Pinckney st.	Mt. Vernon st. . . .	Public.	40	269	....
Whipple	Highland ave.	Arlington Br. R. R.	Private.	30	....	318
†White	Elm st.	Cambridge line	Public.	..	307	....
White St. pl.	White st.	Southeasterly	Private.	20	....	200
Whitfield road	Packard ave.	Curtis st.	Private.	40	....	684
Whitman st.	Mason st.	Packard ave.	Private.	40	....	632
Wigglesworth	Bonair st.	Pearl st.	Public.	40	744	....
William	Chandler st.	College ave.	Public.	40	381	....
William	Broadway	Medford line	Private.	50	....	45
Williams ct.	Porter st.	Northwesterly	Private.	30	....	150
Willoughby	Central st.	Sycamore st.	Public.	40	427	....
Willow ave.	Elm st.	Broadway	Public.	50	3,534	....
Willow pl.	Cambridge line	South st.	Private.	25	....	150
Wilson ave.	Broadway	B. & L. R. R.	Private.	20	....	310
Wilton	Lowell st.	Hinckley st.	Public.	35	470	....
Winchester	Broadway	Medford line	Private.	40	....	65
Windom	Elm st.	Summer st.	Public.	40	300	....
Windsor road	Willow ave.	Hancock st.	Public.	40	575	....
Windsor st.(Extn.)	Windsor st.,Camb.	Fitchburg R. R. . . .	Private.	20	..	530
Winslow ave.	College ave.	Clifton st.	Public.	40	1,123	....
Winter	College ave.	Holland st.	Public.	30	402	....
Winter Hill cir.	Broadway	Northeasterly	Private.	25	....	177
Winthrop ave.						
(Extension.)	Mystic ave.	Middlesex ave.	Private.	40	....	583
Wisconsin ave.	Broadway	Pennsylvania ave. . . .	Public.	50	499	....
Woodbine	Centre st.	Lowell st.	Private.	30	....	600
*Woods ave.	North st.	Powder House Blvd.	Private.	40	....	1,350
Woodstock	Victoria st.	Alewife brook	Private.	40	....	415
*Woodstock						
(Extension.)	Victoria st.	Tannery st.(Ext'n.)	Private.	40	....	920
Wyatt circle	Wyatt st.	Wyatt st.	Private.	20	....	315
Wyatt	Concord ave.	Lincoln parkway	Public.	40	496	....
Yorktown	Cambridge line	{ N. E. line Mal- } vern ave. }	Public.	40	294	....
Yorktown	{ N. E. line } Malvern ave. }	Northerly	Private.	40	....	100

*Proposed. †Sidewalk in Somerville.

Court	11 Albion st.	Northeasterly	Private.	9	....	170
Court	21 Albion st.	Northeasterly	Private.	10	....	100
Court	292 Broadway	Southwesterly	Private.	15	....	96
Court	612 Broadway	Southwesterly	Private.	20	....	188
Court	113 Central st.	Southeasterly	Private.	20	....	150
Court	227 Columbia st.	Northwesterly	Private.	10	....	117
Court	Conlon ct.	Windsor st. (Extn.)	Private.	20	....	240
Court	36 Craigie st.	Westerly	Private.	25	....	126
Court	58 Dane st.	Easterly	Private.	10	....	70
Court	20 Dimick st.	Southwesterly	Private.	39.25	....	136
Court	Buena Vista rd.	Southeasterly	Private.	15	....	151
Court	66 Lowell st.	Westerly	Private.	25	....	101
Court	78 Lowell st.	Westerly	Private.	25	....	101
Court	10 Stone ave.	Northwesterly	Private.	20	....	113
Court	Windsor st. (Extn.)	East'ly and West'ly	Private.	20	....	370
Total					411,771	105,889

Public, 77.987 miles (includes 3,294 miles boulevards and 1.16 miles State Highway); private, 20.055 miles.

Total length of streets in the city, 98.042 miles.

REPORT OF THE STREET COMMISSIONER.

OFFICE OF THE STREET COMMISSIONER, }
CITY HALL, SOMERVILLE, January 1, 1913. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—I most respectfully submit the thirty-seventh annual report, containing a brief summary of the principal work performed by the highway department during the year 1912, with recommendations for necessary improvements and additions for the coming year.

This department has charge of the construction, alteration, repair, maintenance, and management of ways, streets, sidewalks, and bridges, also the setting out and care of shade trees, the suppression of gypsy and brown-tail moths, elm-leaf beetles, supervision of street watering and oiling, and the collection and disposal of ashes, garbage, and refuse.

Paving.

I think money borrowed for the construction of streets with permanent paving is a good investment for the city. Take Somerville avenue for example. The city government asked the legislature for a special loan for paving Somerville avenue in the year 1892, and since that time a very small amount of money has been expended for repairs.

As the automobile and especially the auto truck travel increases, Somerville has and will keep up to the times in the modern way of constructing streets. We have used 185,437 gallons of "Tarvia X" this year. Somerville was one of the first cities to use tarvia in the New England states.

At the American Road Builders' convention in Cincinnati which I attended as a delegate, appointed by his honor, Mayor Burns, most of the road builders discussed what was the best kind of construction to use, and I think, from what was said, that a majority of them were in favor of some kind of tar or bitumen products.

Portions of main thoroughfares, including Holland street, Broadway, Beacon and Pearl streets, were constructed with permanent paving. (See table in back of report for kind and cost of paving.)

The average cost of macadam and tarvia on side streets was \$.90 per square yard, and on main streets \$1.20 per square yard.

Street Cleaning.

The system of teams and men of the street division following the teams of the sanitary division, picking up all kinds of litter, has proven so successful this year that the number of teams will be increased the coming year. Good and clean streets are a benefit to the city, and I ask that all citizens help by not throwing or sweeping rubbish into the streets.

All the streets, both public and private, were cleaned in the spring and fall, and paved streets were swept as often as considered necessary. Push cart men are kept in all the squares to care for same. A pick-up machine was tried late in the year but owing to weather conditions I could not judge its merits. If it does prove satisfactory I intend to use it nights in keeping the squares clean.

The cost of this branch of the work is increasing on account of the scarcity of dumps.

Sprinkling Streets.

Under the law the city can use water or a substitute and assess the abutters at the same rate as for street watering, which is \$.05 per lineal foot for each abutter. This branch is self-supporting. The new horse-drawn automatic pressure oilers used this year have given good satisfaction. There is no doubt as to the efficiency of tar and oil on roads; although disagreeable when first applied, the results are satisfactory.

I think if an auto truck oiler was purchased money would be saved and the work done more satisfactory. By the use of oil many thousand gallons of water are saved.

This year we used:—

19,227	gallons of Standard Emulsifying oil,
122,687	gallons of Standard No. 3,
54,720	gallons of Standard No. 4,
65,987	gallons of Speare's Tasscoil,
8,039	gallons of "Dustoline,"
7,150	gallons of Headley's No. 7,
7,703	gallons of Headley's No. 22,
7,736	gallons of Barrett's "Tarvia B."

Holland Street Ledge.

Stone from this ledge has been used for the construction of granolithic sidewalks, side streets, and the repairs of gravel sidewalks. A large amount of stone for this kind of work still remains. The steam drill has worked 268 days.

Stone Crusher.

The crushing plant has worked 248 days during the year. A contract was made with Coleman Brothers for hard stone delivered on the line of work for \$1.50 per ton south of Highland avenue, and \$1.40 per ton north of Highland avenue, and Essex Trap Rock Company \$1.10 per ton f. o. b. Somerville or Cambridge stations. There were 8,343 tons of stone crushed and 5,589 tons purchased during the year.

Bridges.

The bridges in the city are in good condition. The bridge at North Somerville should be widened. The abolition of the grade crossing on Medford street and Dane street was started this year, and will be completed the coming year, and I believe

it is the intention of the railroad company to start the Park street work. When this is completed all the grade crossings will have been abolished on the Fitchburg division.

Shade Trees.

The city has lost many trees on account of the various kinds of insects, wires, and gas leaks. I think many of the trees are dying because of the construction of the sidewalks and streets. Where the sidewalks are granolithic and the street is constructed with a concrete base, the roots of the trees do not get enough moisture and nourishment.

Trees should be purchased and set out to replace the dead and dangerous trees removed. Shade trees are an important feature of the highways.

One hundred dead and dangerous trees were removed, 131 trees set out, and 214 trees trimmed by request during the year.

Elm-Leaf Beetles.

The gasoline spraying machine sprayed all the trees on the streets and parks, thus helping to destroy the beetles, tussock, gypsy and brown-tail moths. Eight thousand five hundred and nine trees were sprayed.

Leopard Moth or Borer.

As no appropriation was made to destroy this moth or borer, little work was done in this line, but wherever we have discovered the borer at work we have attended to the tree at once. There should be an appropriation made, as this pest is destroying many of our trees.

Gypsy and Brown-Tail Moths.

This year the men who cut off the brown-tail nests and painted the gypsy nests with creosote covered the city in about half the time it usually takes. This was on account of the good work the spraying machine did in destroying the moths in the summertime. The cutting and painting of nests is done during the winter, thus giving work to the employees of the department the year round. The work is inspected by an inspector sent by the state forester, Frank William Rane.

Where nests are found on private property the owner is charged at the rate of \$2.15 a day per man, and the amount of the assessment is collected with the taxes on the estate. The law gives the city the right to enter private property to care for the moths, and provides for an assessment to cover the cost of the work. Six thousand five hundred and forty-four street trees were inspected and cared for.

Steam Rollers.

The fifteen-ton roller has worked 187 days, and the twelve-ton roller 166 days. I do not know of any city the size of Somerville that does the work with two rollers, and I most respectfully recommend the purchase of a new fifteen-ton roller.

Sidewalks.

In 1911 \$22,195.08, and in 1912 \$20,927.94 was appropriated for sidewalks, which includes edgestones, brick, and granolithic. If a similar sum could be appropriated for 1913 it would care for all the petitions in the hands of the public works committee.

The city government should consider the uncompleted spaces now existing on many sidewalks, especially on the main streets. If these sidewalks could be made continuous it would be a great benefit to pedestrians, especially in the spring and fall.

All the sidewalk construction was done by employees of the highway department, thus giving work to citizens and taxpayers of Somerville.

The average cost of gravel sidewalks with edgestones was \$1.07 per lineal foot; brick sidewalks, \$1.37 per square yard, and granolithic, \$1.67 per square yard. The abutters are assessed half of the cost. The cost of granolithic and brick sidewalks includes the resetting of edgestones. The cost of paving gutters was \$2.07 per square yard. (See tables in back of this report.)

I recommend the purchase of a concrete mixing machine.

Snow and Ice.

Any money spent for snow and ice is just so much less to expend for repairing the streets. Snow and ice on the streets must be taken care of for public safety. It is the duty of this department to remove the snow and ice from all sidewalks in front of public buildings and public grounds, and sand the same when they become slippery, for which the department receives no compensation. On the gravel sidewalks of the city plows are used to clear the snow, but in case they become slippery the tenant must care for the same.

As soon as the bridges which are made necessary by the abolition of the grade crossings are completed the city must care for the snow and ice upon the same. Two of the bridges are completed, which adds extra expense to this branch of the work.

In a snow storm men are assigned to care for all crossings on the main streets, and to sand the same if they become

slippery. Sand boxes are within easy access for the push cart men who care for the subways, bridges, and squares.

Underground Wires.

Permits for opening the streets for the purpose of constructing conduits and burying wires were issued to the New England Telephone and Telegraph Company on Bow street from Washington street to Bow-street place, and Summer street from Bow street to Cedar street, and to the Edison Electric Illuminating Company on Pearl street from Mt. Vernon street to Gilman square.

Permits were issued to both companies to connect their underground system on the main streets with their overhead wires on intersecting streets.

Accepted Streets.

There were fourteen streets accepted under the Betterment Act during the year, comprising a total length of 6,917 lineal feet. There were six streets constructed with macadam and tarvia under the Betterment Act, comprising a total length of 3,623 lineal feet, at an average approximate cost of \$.90 per square yard. In all the streets constructed during the past eleven years edgestones were set and gutters paved with granite paving blocks before the construction work was begun.

There were twenty-two streets or portions of streets macadamized or resurfaced at a cost of \$8,312.03.

There are 77.987 miles of public streets and 19.992 miles of private streets in the city, making a total length of 97.979 miles. (See table in back of report.)

Sidewalks Maintenance.

Money spent for this kind of work is greatly appreciated by everyone, especially in the older parts of the city, where the sidewalks have been laid many years. The department this year has repaired some of the worst ones, and intends to continue the good work.

Seven thousand two hundred and seventy-four feet of edgestones were reset, and 2,118 square yards of brick sidewalks relaid. The expense of repairing granolithic sidewalks and attending to police reports is charged to this appropriation.

Sanitary Division.

The collection and disposal of ashes and garbage was transferred from the control of the board of health to the highway department at the beginning of the year. Although the collections have increased, the expense remains about the same as in 1911.

I think money has been saved by the use of double teams

instead of single teams formerly used in this work. An auto truck was purchased for the collection of refuse, and if it proves a success I shall recommend the purchase of more motor-driven vehicles. It is the long hauls to the dumps that adds to the expense of this division.

The garbage is teamed to the city yard and sold to farmers at \$.70 per cord foot, and the paper to the incinerator, where it is sorted by a contractor, who pays the city \$85 a month. For these two items the city received \$11,468.65.

The city is divided into six districts for the collection of refuse, once a week, and thirteen districts for garbage, collected twice a week. If the tenants would be more careful and keep the paper and ashes separate, and in separate receptacles, it would be a great saving to the department. All the good ashes collected were saved and used in the construction of sidewalks.

Summary of collections:—

71,755 cubic yards of refuse,
1,343 cubic yards of rubbish,
29,810 cubic yards of paper,
1,931 cord feet of garbage.

One hundred and thirty-three requests and complaints were received. Men and teams of the street division have been used to good advantage in this division.

Statement of Tools and Personal Property in the Hands of the Sanitary Division this Day.

Horses	\$10,300 00
Carts and implements used with horses	10,001 50
Auto truck	3,675 00
Harnesses and horse clothing	2,006 96
Stable utensils and property	154 90
Tools	124 00
Incinerator stock	103 00
Paint stock	6 75
Stock in harness room	65 55
Stock and tools for horse shoeing	100 93
	<hr/>
	\$26,538 59

Highways, Refuse Disposal Account.

SANITARY DIVISION.

CREDIT.

Appropriation	\$73,000 00	
Transferred from Highways, Street Sprinkling	3,000 00	
Transferred from Highways Maintenance	3,563 72	
	<hr/>	\$79,563 72

DEBIT.

Collecting refuse	\$42,592 13	
Collecting garbage	20,794 55	
Stable expenses	3,081 94	
Carts, wagons, sleds, and repairing same	1,462 44	
Harnesses, horse clothing, and repairing same	456 11	
	<hr/>	
Amounts carried forward	\$68,387 17	\$79,563 72

Amounts brought forward	\$68,387 17	\$79,563 72
Tools and repairing same	91 07	
One new horse	275 00	
Horse medicine and doctoring	238 29	
Horse shoeing (including stock on hand)	963 82	
Hay and straw	4,498 80	
Grain and feed	3,685 71	
Money paid men injured while at work	237 57	
Books, stationery, etc.	73 85	
Care of highway property	105 59	
Laborers paid for holidays	712 85	
Rental of dump	600 00	
Incidentals	10 39	
	<hr/>	\$79,880 11
Amount overdrawn		\$316 39

Emergency Calls.

The emergency call for this department is 8-8 on the fire alarm system, and is used to call the employees to the stable in case of an emergency. The emergency wagon is always ready, day or night, to answer all calls.

Miscellaneous.

Specifications were sent out to all the local and wholesale concerns and bids asked for the furnishing of edgestone, brick, sand, gravel, cement, tools, and paving stock, etc. The bids were opened publicly in the office of the mayor, and the contracts were awarded to the lowest bidders, preference being given to Somerville citizens or taxpayers.

This department has been called upon to furnish steam rollers, teams, crushed stone, sand, gravel, cement, and ashes to the other departments, being reimbursed for the same. The department maintains its own painter, carpenter, blacksmith, horseshoer, and harness repairer, all employed at the city stables.

Three horses have been purchased, four killed, and two died in the street division; one was bought and one died in the sanitary division during the year.

I have attended twenty-nine meetings of the committee on public works for consultation regarding work and petitions.

An act relative to pensioning laborers was accepted by the voters at the last election, and this will increase the expense, but I am unable at present to state just how much.

The following permits were issued during the year:—

Permits for steam rollers, erecting canopy and blasting rock	17
Permits for Cambridge Gas Light Company	285
Permits for Charlestown Gas Company	102
Permits for occupying streets and sidewalks	200
Permits for opening streets and sidewalks	123
Permits for crossing sidewalks	54
Permits for feeding horses	5
Street watering complaints and requests	30
Notifications to other departments and corporations	379

Requests for repairing gravel sidewalks	165
Accidents reported	16
Police reports	502
Streets oiled	359
Brick and granolithic sidewalks repaired	238
Miscellaneous reports and requests	528
Requests to care for moths	4
Poles and guards for trees	200
Drain layers' permits	234
Water department openings	924
Ice and snow removed (loads)	1,396
New signs erected by department	45
Signs repainted by department	43
Sand and gravel used (cubic yards)	1,919
Dirt removed or handled (cubic yards)	14,649
Scrapings removed from streets (cubic yards)	10,350
Old macadam used (cubic yards)	4,450
Ashes used (cubic yards)	5,402

Recommendations.

I most respectfully recommend that the remaining unpaved portions of Elm street, Beacon street, Broadway, Somerville avenue, College avenue, Summer street, Springfield, Newton, and Prospect streets be completed. There were several streets, Central, Temple, and Morrison avenue, that were not resurfaced on account of lack of funds, and I hope the appropriation will be large enough the coming year to do these streets and such streets as Willow avenue, School street, Cedar, Linwood, and Tufts streets, and as many others as the committee and mayor may recommend. I also recommend that a portion of Middlesex avenue be paved.

By the transfer of the sanitary division to the highway department, the repairing of apparatus has increased to such an extent that the blacksmith shop should be enlarged, and the carpenter shop transferred from the stable cellar to the extension on the blacksmith shop.

I wish to extend my sincere thanks to his honor, the mayor, board of aldermen, heads of departments, and all city officials and the general public for their able support and hearty co-operation; and I would express my appreciation of the conscientious work and efficient service of the foremen, inspectors, teamsters, laborers, mechanics, and all others employed in the department.

Highways Maintenance Account.

CREDIT.	
Balance from 1911	\$2,769 90
Appropriation	32,000 00
Transfer from Street Cleaning	2,062 21
Transfer from Care of Trees	401 80
Transfer from Sidewalks Maintenance	225 85
	\$37,459 76
Receipts and credits:—	
Use of city teams on sundry work	\$4,272 86
Amount carried forward	\$4,272 86

Amount brought forward	\$4,272 86	
Use of steam road rollers	2,107 60	
Private work, the bills for which re- mained unpaid December 31, 1911	617 97	
Sand and gravel	12 67	
Edgestone and paving stock	69 50	
Loam	77 98	
Value of material on hand January 1, 1912	2,450 42	
		<u>\$9,609 00</u>
		\$47,068 76
Less transfer to Refuse Disposal		<u>3,563 72</u>
Total credit		\$43,505 04

DEBIT.

Expenditures:—

For repairs of sundry streets, as per table B, at end of this report		\$8,312 03
General repairs of streets		10,207 53
Repairs of gutters		159 78
Repairs of sheet and block paving		1,139 33
Repairs of street crossings		33 75
Repairs of gravel sidewalks		769 93
Repairs of iron fence, Broadway, at Alewife Brook		20 60
Repairs of iron fence, Washington street, near bridge,		9 65
Repairs of city scales at crusher		180 04
Repairs of automobiles		61 20
Repairs of crusher		728 93
Repairs of steam road roller		738 79
Repairs of tools		96 05
Repairs of carts, plows, etc.		1,556 70
Removing snow and ice and care of slippery side- walks		6,341 35
Painting carts		369 01
Street opening, Pennsylvania avenue at Broadway		134 05
Street opening, Wisconsin avenue at Broadway		219 78
Street opening, Spring street at Moran estate		151 31
Locating track in Cedar street yard (one-half paid by Water Board), \$232.62		116 31
Removing tree, Cross street, corner of Medford street (city's portion)		64 70
Care of subways		545 84
Making road across marsh to bathhouse		5 15
Carpentering		280 15
Blacksmithing		422 13
Painting		19 20
Street signs		611 26
Money paid men injured while at work		244 94
Money paid men for holidays		687 93
Taking care of highway property		1,355 26
Sawing wood		104 65
Waltham Gravel Land (taxes)		228 96
Books, printing, and stationery		100 30
Street Commissioner's salary		2,400 00
Street Commissioner's team		178 00
Street Commissioner's telephone		34 51
Tools		881 88
Iron and hardware		12 81
Steam drill		223 52
Ashes		225 85
Amount carried forward		<u>\$39,973 16</u>

Amount brought forward	\$39,973 16
Bricks	1 79
Lamp black	3 75
Holland street ledge	329 50
Sundry expenses	913 92
Public Grounds (bill unpaid December 31, 1912)	359 69
Public Property (bill unpaid December 31, 1912)	5 07
Cleaning Streets (bill unpaid December 31, 1912)	51 80
Care of Trees (bill unpaid December 31, 1912)	2 80
Private work (receipts credited to revenue)	431 86
Private works (bills for which remained unpaid December 31, 1912)	200 92
Value of materials on hand this day	1,230 78
Total debit	<u>\$43,505 04</u>

Highways Construction Account.

	CREDIT.	
Balance from 1911	\$1,733 54	
Appropriation	50,000 00	
		<u>\$51,733 54</u>
Advertising and recording releases and plans in 1911, charged in cost of streets in 1912	\$98 35	
Profit and Loss on materials	1,607 54	
		<u>1,705 89</u>
Total credit		<u>\$53,439 43</u>

DEBIT.

Expenditures:—

For construction of streets, as appears by table A, at end of this report	\$54,950 21	
Less assessments	5,923 91	
		<u>\$49,026 30</u>
Ball square paving (constructed in 1911, final payment)	352 85	
Elm street paving (constructed in 1911, final payment), Holland street paving (constructed in 1911, final payment)	83 00	
Teele square paving (constructed in 1911, final payment)	227 12	
Advertising and recording releases and plans for streets not constructed	218 73	
Advertising relocating Greenville street about 200 feet from Medford street	176 47	
Abatement to City of Cambridge (Highway Betterment Assessments of 1905)	10 00	
Labor handling stock	115 00	
Tools	47 73	
Value of materials on hand this day	15 68	
	308 71	
Total debit		<u>\$50,581 59</u>
Balance unexpended		<u>\$2,857 84</u>

Highways, Paved Gutters and Crossings.

	CREDIT.	
Appropriation	\$8,000 00	
From Highways Construction account	4,823 99	
		<u>\$12,823 99</u>
Amount carried forward		<u>\$12,823 99</u>

Amount brought forward		\$12,823 99
Less transfer to Sidewalks Construction account	\$3,508 38	
Less transfer to Alewife Brook Bridge account	3,500 00	
		<u>\$7,008 38</u>
		\$5,815 61
From Highways Construction, paving stock from Teele square and permanent pav- ing of 1911	280 80	
Value of material on hand January 1, 1912 .	310 00	
		<u>590 80</u>
Total credit		<u>\$6,406 41</u>
DEBIT.		
Expenditures:—		
For paving ten gutters, as per table D .	\$5,709 21	
Street crossings, as per table J .	354 14	
Value of materials on hand December 31, 1912	203 10	
Profit and Loss on materials	139 96	
		<u>\$6,406 41</u>

Highways, Street Sprinkling.

CREDIT.

Appropriation		\$31,000 00
Less transfer to Highways, Refuse Dis- posal	\$3,000 00	
Less transfer to Excess and Deficiency account	404 57	
		<u>3,404 57</u>
Total credit		<u>\$27,595 43</u>

DEBIT.

Expenditures:—		
Teaming, street sprinkling	\$6,247 51	
Oiling streets	18,125 49	
Tarviating streets	956 86	
Painting carts	514 35	
Repairs of carts	90 48	
New carts and attachments	615 00	
Automobile, supplies and freight	669 45	
Oiling public grounds (bill unpaid)	20 61	
Clerical work	134 33	
Maintenance of water posts	201 35	
Books	20 00	
		<u>\$27,595 43</u>

Sidewalks Construction.

CREDIT.

Balance from 1911	\$62 38	
Appropriation	15,000 00	
		<u>\$15,062 38</u>
Transfer from Lowell Street Bridge ac- count	\$357 18	
Amount carried forward	\$357 18	

Amount brought forward	\$357 18	
Transfer from Paved Gutters and Crossings account	3,508 38	
Transfer from Sewers account	1,000 00	
Abutters on Powder House boulevard	1,000 00	
Estate of Roman Catholic Church, Arlington street, etc.	219 95	
Profit and Loss on materials	18 46	
	<hr/>	\$6,103 97
Total credit		<hr/> <hr/> \$21,166 35

DEBIT.

Expenditures:—

For fifty sidewalks con- structed as per table C,	\$34,391 18	
Less assessments	17,195 62	
	<hr/>	\$17,195 56
Construction of Powder House boule- vard sidewalk	2,120 14	
Construction of Arlington, Hathorn, and Franklin street sidewalks	439 90	
Construction of Walnut street side- walk, abutting land of Boston and Maine Railroad (less one-half charged to railroad)	17 49	
Abatement of sidewalk assessments of 1911 to Boston and Maine Railroad and others	642 62	
Construction of sidewalk inside of sidewalk line for Zebedee E. Cliff, Broadway, at Curtis street	98 16	
Construction of Walnut street side- walks, abutting land of Boston and Maine Railroad (unpaid Decem- ber 31, 1912)	17 49	
Eastern Clay Goods Company, cement bags returned (unpaid Decem- ber 31, 1912)	129 51	
Lumber used in construction of side- walks	22 96	
Books	3 25	
Material on hand December 31, 1912	96 90	
	<hr/>	\$20,783 98
Total debit		<hr/> <hr/> \$382 37
Balance unexpended		<hr/> <hr/> <hr/>

Sidewalks Maintenance.

CREDIT.

Appropriation	\$4,000 00	
Profit and Loss on materials	21 67	
	<hr/>	\$4,021 67
Less transfer to Highways Maintenance account	225 85	
Total credit		<hr/> <hr/> \$3,795 82

DEBIT.

General Repairs of Sidewalks.

Expenditures:—

Labor, repairing sidewalks	\$1,191 77
Use of city teams	307 87
Bricks	84 21
Sand	75 52
Ashes	7 25
Cement	9 91
Oil	7 36
Crushed stone	29 04
Lumber	17 97
Loam	1 50
Lamp black	25
Paving blocks	1 20

 \$1,733 85

Special Repairs of Sidewalks.

Repairing Atherton street sidewalks	\$64 76
Repairing Cherry street sidewalks	90 90
Repairing Mt. Pleasant street sidewalks,	882 65
Repairing Mt. Vernon street sidewalks	424 02
Repairing Perkins street sidewalks	195 44
Repairing Pinckney street sidewalks	323 08

 1,980 85

Repairing Walnut street sidewalk for J. E. L. McLean	20 26
Repairing Teele square sidewalk for Vernon H. Worster	20 22

Materials on hand December 31, 1912	40 64
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 81 12

Total debit	<u><u>\$3,795 82</u></u>
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Cleaning Streets.

CREDIT.

Appropriation	\$23,000 00
Less transfer to Highways Maintenance account	2,062 21

Total credit	<u>\$20,937 79</u>
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DEBIT.

Labor	\$17,222 17
Use of city teams	3,580 32
Push brooms	61 75
Repairs of sweeping machines	73 55

Total debit	<u><u>\$20,937 79</u></u>
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Care of Trees.

CREDIT.

Appropriation	\$3,000 00
Less transfer to Highways Maintenance account	401 80

Total credit	<u><u>\$2,598 20</u></u>
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DEBIT.

Removing trees	\$1,636 53
Trimming trees	680 05
Setting trees	281 62
	<hr/>
Total debit	<u>\$2,598 20</u>

Suppression of Gypsy and Brown-Tail Moths.

CREDIT.

Appropriation	\$2,500 00
Less transfer to Excess and Deficiency account	154 53
	<hr/>
Total credit	\$2,345 47

DEBIT.

Expenditures:—	
For labor	\$2,093 27
Use of city teams	100 10
Arsenate of lead	60 00
Creosote	8 33
Oil	2 64
Brushes	1 50
Stationery and books	11 30
Printing notices	35 00
Clerical services	33 33
	<hr/>
Total debit	<u>\$2,345 47</u>

Elm-Leaf Beetle Extermination.

CREDIT.

Appropriation	\$750 00
Less transfer to Excess and Deficiency account	52 88
	<hr/>
Total credit	\$697 12

DEBIT.

Expenditures:—	
For labor	\$313 58
Use of city teams	61 60
Arsenate of lead	270 00
Gasoline	20 56
Oil	3 00
Spray pipe, hose, and couplings	21 98
Warning cards	4 00
Hardware	2 40
	<hr/>
Total debit	<u>\$697 12</u>

Refuse Disposal.

CREDIT.

Appropriation	\$73,000 00
Transfer from Highways, Street Sprinkling, Transfer from Highways Maintenance	3,000 00
	3,563 72
	<hr/>
Total credit	\$79,563 72

DEBIT.

Collecting refuse	\$42,592 13	
Collecting garbage	20,794 55	
Stable expenses	3,081 94	
Carts, wagons, and repairing same	1,462 44	
Harnesses, horse clothing, and repairing same	456 11	
Tools and repairing same	91 07	
Horse (1) new	275 00	
Horse medicine and doctoring	238 29	
Horse shoeing (including stock on hand)	963 82	
Hay and straw	4,498 80	
Grain and feed	3,685 71	
Money paid men injured while at work	237 57	
Books, stationery, etc.	73 85	
Care of highway property	105 59	
Laborers paid for holidays	712 85	
Rental of dump	600 00	
Incidentals	10 39	
Total debit		\$79,880 11
Amount overdrawn		\$316 39

Refuse Disposal, New Equipment.

CREDIT.

Appropriation		\$5,000 00
	DEBIT.	
Three ash carts	\$1,275 00	
One auto truck	3,675 00	
Total debit		\$4,950 00
Balance unexpended		\$50 00

Statement of Tools and Personal Property in the Hands of the Highway Department This Day.

Horses	\$7,625 00	
Carts and implements used with horses	10,133 35	
Steam road rollers	5,150 00	
Stone crusher fittings	1,751 75	
Harnesses, horse clothing, and supplies	1,478 37	
Automobiles	750 00	
Stable utensils and property	736 55	
Horse medicine	9 80	
Horseshoeing supplies	287 75	
Hay, straw, and grain	480 85	
Blacksmith stock	436 98	
Watering carts and stock	11,568 84	
Carpenter's stock	142 46	
Paint stock	39 10	
Tools	2,238 24	
Street signs	67 00	
Care of tree stock	72 00	
Supplies for gypsy and brown-tail moth extermination	137 53	
		\$43,105 57

TABLE A.
Streets Constructed in 1912.

STREET.	FROM	TO	MATERIAL.	LENGTH IN FEET.	COST.
Beacon street	Park street	Railroad bridge	Macadam and tarvia	3,148	\$10,744 91
Broadway	(northerly side) Fellsway East	Temple street	Macadam and tarvia	1,687	4,891 88
Fairmount avenue	Curtis street	entire length	Macadam and tarvia	679	2,212 91
Hill street	Broadway	Fairmount avenue	Macadam and tarvia	284	1,132 63
Hinckley street	(old part) Hinckley street	Boston & Lowell railroad	Macadam and tarvia	502	1,692 10
Holland street	Thorndike street	Moore street	Concrete base, macadam and tarvia	1,583	8,418 72
Langmaid avenue	Broadway	Heath street	Macadam and tarvia	353	1,103 57
Paulina street	Broadway	Holland street	Macadam and tarvia	769	2,235 48
Pearl street	Cross street	Mt. Vernon street	Macadam and tarvia	2,017	6,950 59
Prospect street	Cambridge Line	Webster avenue	Concrete base, macadam and tarvia	990	6,146 33
Rhode Island avenue	(partial) Pennsylvania avenue	Mystic avenue	am and tarvia	460	101 94
South street	Medford street	Water street	Concrete base, paving blocks grouted	989	5,698 24
Victoria street	Broadway	Cambridge line	Macadam and tarvia	1,036	3,471 09
Wisconsin avenue	(partial) Broadway	Pennsylvania avenue . . . . .	. . . . .	499	149 82
		Length in feet, and cost		14,996	\$54,950 21

TABLE B.
Streets Repaired.

STREET.	FROM	TO	DESCRIPTION OF WORK.	FEET.	COST.
Adrian street . . .	Joseph street . . .	Marion street . . .	Resurfaced . . .	579	\$96 08
Berkeley street . . .	Central street . . .	School street . . .	Macadam and tarvia . . .	1,360	1,886 39
Concord avenue . . .	Prospect street . . .	Concord square . . .	Resurfaced . . .	553	102 78
Dover street . . .	Davis square . . .	Cambridge line . . .	Macadam and tarvia . . .	975	1,389 98
Flint street . . .	Franklin street . . .	Cross street . . .	Resurfaced . . .	1,038	136 96
Forest street . . .	Beacon street . . .	Cambridge line . . .	Resurfaced . . .	117	26 28
Franklin street . . .	Pearl street . . .	Oliver street . . .	Resurfaced . . .	517	76 22
George street . . .	Broadway . . .	Lincoln avenue . . .	Resurfaced . . .	275	40 69
Gilman street . . .	Cross street . . .	Aldrich street . . .	Resurfaced and tarvia . . .	722	139 56
Heath street . . .	Temple street . . .	Fenwick street . . .	Resurfaced . . .	805	109 06
Joseph street . . .	Newton street . . .	Lincoln park . . .	Resurfaced . . .	458	70 36
Joy street . . .	Washington street . . .	Poplar street . . .	Resurfaced and tarvia . . .	1,121	576 75
Kent street . . .	Beacon street . . .	Subway . . .	Resurfaced . . .	386	30 05
Lincoln avenue . . .	Lincoln street . . .	Mt. Vernon street . . .	Resurfaced . . .	478	90 64
Morgan street . . .	Beacon street . . .	Park street . . .	Resurfaced . . .	377	58 41
Mt. Vernon street . . .	Pearl street . . .	Broadway . . .	Macadam and tarvia . . .	1,063	851 14
Prospect Hill avenue . . .	Medford street . . .	Boston street . . .	Macadam and tarvia . . .	597	124 54
Roseland street . . .	Beacon street . . .	Cambridge line . . .	Resurfaced . . .	121	9 30
Sacramento street . . .	Subway . . .	Cambridge line . . .	Resurfaced . . .	290	41 50
Wallace street . . .	Broadway . . .	Holland . . .	Macadam and tarvia . . .	1,342	1,719 92
Wheatland street . . .	Broadway . . .	Jaques street . . .	Macadam and tarvia . . .	495	639 46
Wyatt street . . .	Concord avenue . . .	Lincoln park . . .	Resurfaced . . .	496	95 96
Length in feet, and cost				14,165	\$8,312 03

TABLE C.
Sidewalks Constructed Where the Materials Were Furnished by the City and One-half the Cost Was Assessed Upon the Abutting Estates.

STREET.	SIDE.	FROM	TO	FEET OF EDGESTONES.	YARDS OF BRICKS.	YARDS OF GRANOLITHIC.	COST.
Bay state avenue . . .	Both . . .	Fosket street . . .	sidewalk already laid	....	....	61.5	\$113 19
Benedict street . . .	Northeasterly . . .	Union street . . .	sidewalk already laid	....	61.5	....	102 63
Broadway and Curtis street . . .	.....	in front of estate of	Zebedee E. Cliff	....	....	144.3	305 68
Calvin street . . .	Southeasterly . . .	Dimick street . . .	Beacon street . . .	....	....	150.8	254 93
Cameron avenue . . .	Easterly . . .	end of present sidewalk	Cambridge line . . .	....	....	522.5	948 31
Central street . . .	Northwesterly . . .	Summer street . . .	Cleveland street . . .	....	....	263.3	424 81
Cottage avenue . . .	Easterly . . .	Russell street . . .	Bowers avenue . . .	....	....	182.5	288 09
Columbus avenue . . .	Southerly . . .	Bonner avenue . . .	including est. Nos. 12-14	....	95.4	....	113 17
} Columbus avenue.	Both . . .	Washington street . . .	angle point . . .	....	....	353.2	626 49
		in front of estate No. 19 . . .	Dearborn road . . .	....	55.	....	2,901 76
} College avenue . . .	Easterly . . .	Warner street . . .	Dearborn road . . .	....	....	1,061.8	1,873 57
		No. 171 College ave. . .	Temple street . . .	852.4	....	....	239 28
Derby street . . .	Both . . .	Grant street . . .	Calvin street . . .	....	....	146.1	856 70
Dimick street . . .	Southwesterly . . .	Waldo avenue . . .	Cutter avenue . . .	....	....	426.	1,404 16
Elm street . . .	Northeasterly . . .	Elston street . . .	Entire length . . .	1,296.	....	....	1,459 34
Fairmount avenue . . .	Both . . .	Curtis street . . .	Liberty avenue . . .	....	....	....	413 12
Fosket street . . .	Both . . .	Willow avenue . . .	Boston street . . .	....	....	261.5	1,632 28
Greenville street . . .	Northerly . . .	Medford street . . .	Howard street . . .	....	....	1,044.	753 61
Gorham street . . .	Both . . .	Holland street . . .	Mt. Vernon avenue . . .	....	....	465.7	806 99
Heath street . . .	Both . . .	Moreland street . . .	Fairmount avenue . . .	575.	....	....	971 43
Hill street . . .	Both . . .	Broadway . . .	Boston & Lowell R.R.	961.6	....	....
Hinckley street . . .	Both . . .	Richardson street . . .			....	....
			Carried forward . . .	3,685.0	211.9	7,030.7	\$16,489 54

TABLE C. — Continued.

STREET.	SIDE.	FROM	To	FEET OF EDGESTONES.	YARDS OF BRICKS.	YARDS OF GRANOLITHIC	COST.
Holland street .	Easterly .	in front of estate .	Brought forward .	3,685.0	211.9	7,030.7	\$16,489 54
Kidder avenue .	Northerly .	Powder House terrace .	No. 205 .	....	....	152.6	276 59
Kidder avenue .	Northerly .	Powder House terrace .	Liberty avenue .	213.2	....	....	263 95
Langmaid avenue .	Both .	Broadway .	Liberty avenue .	....	....	157.1	284 82
Lexington avenue .	Both .	Cedar street .	Heath street .	696.6	....	....	807 20
Line street .	Northeasterly .	in front of estate .	Hancock street .	....	....	998.4	1,551 17
Lowden avenue .	Both .	Fosket street .	Nos. 102 to 116, inc. .	....	....	104.5	226 32
Lowell street .	Both .	Somerville avenue .	sidewalk already laid .	....	....	110.3	224 13
Marion street .	Northerly .	Dimick street .	Summer street .	....	401.9	1,439.5	2,532 76
Mansfield street .	Easterly .	Washington street .	Wyatt street .	....	....	....	484 74
Meacham road .	Southerly .	Cambridge line .	including estate No. 35 .	47.2	....	252.4	395 91
Moreland street .	Easterly .	Main street .	sidewalk already laid .	....	119.	....	176 73
Myrtle street .	Southeasterly .	Pearl street .	Meacham street .	....	....	453.4	663 99
Mystic street .	Westerly .	Benedict street .	Myrtle court .	....	155.5	....	217 11
Mystic avenue .	Southwesterly .	in front of estate .	Mystic avenue .	....	238.	....	313 29
Oak street .	Both .	Cambridge line .	No. 66 .	30.	112.7	....	203 92
Paulina street .	Both .	Broadway .	sidewalk already laid .	....	548.2	....	740 33
Russell street .	Northwesterly .	in front of estate .	Holland street .	1,465.8	....	....	1,349 44
Spring street .	Northwesterly .	Atherton street .	No. 51 .	....	....	41.7	60 41
Spring street .	Northwesterly .	sidewalk already laid .	Summer street .	....	466.	....	741 32
South street .	Northerly .	Medford street .	in front of estate of .	....	....	94.1	134 87
St. James avenue .	Easterly .	Elm street .	Wm. F. Bennett .	....	42.9	....	51 12
Summer street .	Southwesterly .	Willow avenue .	including estate No. 15 .	....	340.7	....	478 25
Sydney street .	Both .	Grant street .	Summer street .	....	....	275.9	535 77
			Burnside avenue .	....	....	908.5	1,516 49
			Temple street .	....	....	....	....
			Carried forward .	6,137.8	2,636.8	12,019.1	\$30,720 17

TABLE C.—Concluded.

STREET.	SIDE.	FROM	To	FEET OF EDGESTONES.	YARDS OF BRICKS.	YARDS OF GRANOLITHIC.	COST.
Victoria street . . .	Both . . .	Broadway . . .	Brought forward . . .	6,137.8	2,636.8	12,019.1	\$30,720 17
Walnut street . . .	Easterly . . .	Gilman street . . .	Cambridge line . . .	2,055.	273.5	....	2,177 65
Walnut street . . .	.....	in front of estate . . .	Highland avenue . . .	98.2	47.5	....	500 21
Warren & Medford st. . .	.....	in front of estate . . .	No. 105 . . .	....	84.5	....	69 80
Warner street . . .	Westerly . . .	College avenue . . .	No. 56 Warren street . . .	....	....	56.2	114 66
Wyatt street . . .	Westerly . . .	Concord avenue . . .	Bromfield road . . .	....	146.7	....	105 30
	Easterly . . .	Concord avenue . . .	Wyatt circle . . .	....	....	292.2	703 39
			Lincoln parkway . . .	....	....
			Total	8,291.0	3,189.0	12,367.5	\$34,391 18

TABLE D.
Gutters Paved in Connection with Setting Edgestones.

STREET	Side.	From	To	Square Yards.	Cost.
College avenue . . .	Easterly . . .	No. 171 College avenue	Dearborn road . . .	284.1	\$667.52
Fairmount avenue . . .	Both . . .	Curtis street . . .	Its entire length . . .	432.	916.80
Hinckley street . . .	Both . . .	Richardson street . . .	Boston & Maine R. R.	320.3	693.55
Kidder avenue . . .	Northerly . . .	Powder House terrace	Liberty avenue . . .	71.	139.80
Hill street . . .	Both . . .	Broadway . . .	Fairmount avenue . . .	191.6	578.52
Langmaid avenue . . .	Both . . .	Broadway . . .	Heath street . . .	232.2	514.87
Meacham road . . .	Southerly . . .	Cambridge line . . .	Sidewalk already laid.	15.7	32.78
Paulina street . . .	Both . . .	Broadway . . .	Holland street . . .	488.9	805.08
Victoria street . . .	Both . . .	Broadway . . .	Cambridge line . . .	685.2	1,315.17
*Walnut street . . .	Easterly . . .	Gilman street . . .	Highland avenue . . .	32.7	45.12
			Total . . .	2,753.7	\$5,709.21

*Where not already laid.

TABLE E.
Driveways Constructed at Expense of Abutters.

FOR	LOCATION.
James M. Andrews . . . . .	. . . . . 9 Edmands street
James M. Andrews and Son	Medford street at Walnut street
Ezra Andelman . . . . .	. . . . . 512 Columbia street
Maurice J. Barrow . . . . .	. . . . . 522 Medford street
John E. Boyden . . . . .	. . . . . 15 Gorham street
Corinne W. Bigley . . . . .	. . . . . 157 College avenue
William B. Brown . . . . .	. . . . . 72 Wallace street
Herbert Cholerton . . . . .	. . . . . 94 College avenue
Augustus L. Dearborn . . . . .	. . . . . 25 Charnwood road
Daniel L. Downey . . . . .	. . . . . 88 Prospect street
N. J. Edwards . . . . .	. . . . . 54 Dickinson street
Mary R. England . . . . .	. . . . . 96 Orchard street
Earle W. Edwards . . . . .	. . . . . 40 Kidder avenue
Lucie W. Gately . . . . .	. . . . . 436 Broadway
James H. Hawkins . . . . .	. . . . . 39 Cameron avenue
Alice N. Hale . . . . .	. . . . . 90 Wheatland street
Arvine Hager . . . . .	. . . . . 21-24 Edmands street
John Herbert . . . . .	. . . . . 56 Dartmouth street
Horsman and Kingston . . . . .	. . . . . 45 Day street
John Johnson . . . . .	. . . . . 77 Pearl street
William R. Lawrence . . . . .	. . . . . 86 Ossipee road
Clifford B. Lewis . . . . .	. . . . . Liberty avenue
Frank G. Lombard . . . . .	. . . . . 68 Mt. Vernon street
John Martin . . . . .	. . . . . 50 Houghton street
Fannie A. Morton . . . . .	. . . . . 47 Winslow avenue
Thomas H. Mooers . . . . .	. . . . . 19 Wellington avenue
Seymour T. Myers . . . . .	. . . . . 10 Irving street
Nils Nelson . . . . .	. . . . . 95 Temple street
James P. O'Neill . . . . .	. . . . . 62 Webster avenue
John R. Poole . . . . .	. . . . . 12-14 Marshall street
S. M. Robbins . . . . .	. . . . . 51 Jaques street
Edward B. Russell . . . . .	. . . . . 14 Kidder avenue
Jens Stenner . . . . .	. . . . . 15 Claremon street
Edwin A. Sanborn, M. D. . . . .	. . . . . 24 Franklin street
Walter E. Stetson . . . . .	. . . . . 13 Browning road
Lawrence H. Sullivan . . . . .	. . . . . 21 Lincoln street
Harry C. Van Wert . . . . .	. . . . . 41 Derby street
Michael W. White . . . . .	. . . . . 21 Warren avenue
George W. W. Whiting, M. D.	Sargent avenue (rear 282 Broadway)
Elisha G. Woodward . . . . .	. . . . . 8 Oakland avenue

TABLE F.
Driveways Discontinued at Expense of Abutters.

FOR	LOCATION.
Charles E. Sherman . . . . .	. . . . . 88 Gilman street
Daniel J. Spence . . . . .	. . . . . 71 South street

TABLE G.
Driveway Widened at Expense of Abutter.

FOR	LOCATION.
Walter S. Glidden	Sycamore street (rear 380 Broadway)

TABLE H.
Driveway Re-located at Expense of Abutter.

FOR	LOCATION
Flint Street Methodist Church	Flint street

TABLE I.
Streets Accepted by the Board of Aldermen in 1912.

STREET.	WARD.	FROM	TO	WIDTH IN FEET.	LENGTH IN FEET.	ACCEPTED.
Acadia park	6	Somerville avenue	Northeasterly	40	256	December 27
Frederick avenue	6	Willow avenue	Boston avenue	40	1,175	December 27
Fisk avenue	5	Lowell street	Hinckley street	20	484	December 27
Greenville street	3	Medford st., s'y 196 ft.	East sidewalk widened	....	....	December 7
Henderson street	5	Richardson street	Boston & Maine R. R., Southern Division	20	569	December 27
Landers street	3	School street	Westerly	40	228	December 27
Ossipee road	7	Packard avenue	Mason street	40	633	December 27
Rhode Island avenue	1	Pennsylvania avenue	Mystic avenue	40	460	November 20
Russell road	7	Broadway	Angle point	40	559	December 31
St. James avenue	7	Summer street	Northerly	30	125	December 27
Sunnyside avenue	4	Walnut street	Wigglesworth street	35	306	December 27
Walnut road	4	Walnut street	Kenneson road	40	270	December 27
Water street	2	South street	Land of Fitchburg R.R. Co.	25	366	December 27
Waterhouse street	7	Broadway	Cambridge line	40	987	December 27
Wisconsin avenue	1	Broadway	Pennsylvania avenue	50	499	November 20
			Length in feet		6,917 (1,310 m.)	

TABLE J.
Street Crossings Laid.

Morton street, across end at Glen street.
 Mystic avenue, across Tenney court.
 Robinson street and Ames street (northerly corner), across Robinson street, near Central street.
 Warren avenue, across same, from northerly side of Sanborn avenue.
 Wyatt street, across same, at Concord avenue.

TABLE K.
Street Openings.

Spring street, southerly side, at junction of Atherton street.
 Pennsylvania avenue, northerly side, at Broadway.
 Wisconsin avenue, northeasterly side, at Broadway.

Length of Accepted Streets in Each Ward.

		Miles.
Ward 1	. . . . .	9.712
" 2	. . . . .	8.670
" 3	. . . . .	7.522
" 4	. . . . .	9.499
" 5	. . . . .	11.827
" 6	. . . . .	12.892
" 7	. . . . .	17.865
Total length of accepted streets in the city		77.987

Respectfully submitted,
 ASA B. PRICHARD,
 Street Commissioner.

REPORT OF COMMISSIONER OF PUBLIC BUILDINGS.

OFFICE OF COMMISSIONER OF PUBLIC BUILDINGS, }
CITY HALL, SOMERVILLE, January 1, 1913. }

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

Gentlemen,—In accordance with the provisions of the City Charter, I submit herewith the annual report of the public buildings department for the year ending December 31, 1912.

The total valuation of all property which by charter requirements is in the custody of the commissioner of public buildings is \$2,188,414.97, and is made up as follows:—

School Buildings	\$1,549,602 44
Fire Stations	204,043 18
City Hall	49,988 65
City Hall Annex	20,655 02
Police Buildings	57,000 00
Central Library	42,000 00
West Somerville Branch Library	31,449 52
City Home Buildings	38,233 73
Hospitals	44,099 55
City Stables	99,243 92
Water Department Buildings	32,000 00
Sewer Department Buildings	6,800 00
Park Buildings	5,485 58
Polling Booths	1,783 14
Bathhouse	3,730 24
Glen Street Land	2,300 00
Total	\$2,188,414 97

The total expenditure for the year 1912 for the care of this large amount of property was \$106,732.09, which is 4 and 87-100 per cent. of the valuation.

This amount was expended as follows:—

Janitor service	\$34,944 34
Fuel	21,544 77
Light	12,094 32
Telephones	530 99
Care and repairs	37,617 67

The responsibility for the care of the public property is placed with the commissioner of public buildings, and in attending to the vast amount of detail necessary in this work the present commissioner has been ably assisted by his organization, which consists in addition to the office assistants, of the janitor and mechanical force.

The buildings are in a clean and sanitary condition and as a rule in fairly good repair. A large proportion of the buildings have been constructed a great many years, and of necessity require the most urgent attention to keep them in a good con-

dition. It is with a great deal of satisfaction, however, that I am able to report to you at this time that the city's public property is in a very satisfactory condition, and the various departments which occupy the buildings bear me out in this statement.

Inspection of Buildings.

The commissioner of public buildings is also the inspector of buildings according to the terms of the charter, and as such during the year has made 1,420 formal inspections of buildings in the course of construction.

The following table shows the number of permits issued for building operations during the year 1912:—

Buildings.	WARDS.							Totals.
	1	2	3	4	5	6	7	
Dwellings	56	22	18	28	27	26	119	296
Stores	11	11		4		6	10	42
Stables		2				2		4
Shops	1		2		1	1		5
Manufactories . .	3	9		3		2	2	19
Garages	2	2	4	11	5	2	13	39
Churches					1		2	3
Miscellaneous . .	3	10	3	2	2		3	23
Total	76	56	27	48	36	39	149	431

	WARDS.							Totals.
	1	2	3	4	5	6	7	
Brick buildings	4	9	1	5	1		6	26
Concrete buildings				1		2	3	6
Metal buildings	1							1
Iron buildings				2		1		3
Steel buildings			1					1
Cement buildings				1	2	2	1	6
Terra cotta buildings				3				3
Total	5	9	2	12	3	5	10	46

The number of plumbing permits issued during the year was 469
 Permits for plumbing in new buildings 260
 Permits for plumbing in old buildings 209
 Number of buildings in which soil pipes were tested 413

The total number of permits issued during the year, viz., 431, was twenty-nine more than during the year 1911, when 402 permits for new buildings and alterations were issued. The total cost of the new buildings and alterations during the year 1912 was \$1,777,719, while the cost in 1911 was \$935,478, showing an increase of \$842,241.

Bennett School Improvements.

During the year 1912 four shower bath fixtures were installed in the basement of the Bennett school and opened to the public of that district. The extensive patronage of these baths has showed that a wise move was made when these were installed.

The improvements at the Bennett school were continued by the surfacing of the yard for playground purposes and the installation of gymnastic apparatus.

City Home Addition.

The hospital addition at the City Home was completed and occupied during this past year and is greatly appreciated by the residents of the home.

Cutler School.

The Cutler school was completed and made ready for occupancy in November, 1912. The school is now completely organized, and is caring for over 500 pupils from the West Somerville district.

During the coming year the grounds will be laid out in an attractive manner, and provide a beauty spot in this section of the city.

High School Addition.

During the year 1912, the matter of high school additions was carefully considered by the several departments directly interested, and it was finally determined to hold an architectural competition for designs.

The competition was held and the award made to Harry E. Warren of New York City. Plans were prepared by Mr. Warren and submitted to contractors for estimates. The estimates received were as follows:—

Walsh Bros.	\$87,799 00
The Whiton & Haynes Co.	89,800 00
D. L. Shepard	89,995 00
The Kennedy & Peterson Construction Company	91,700 00
J. E. Locatelli & Co., Inc.	93,062 00
John W. Duff	93,180 00

The lowest estimate was from Walsh Brothers, and the contract was awarded to that firm.

Recommendations.

I recommend that during the year 1913 appropriations be made for the following:—

Additional window space in Bell, Forster, and Edgerly school buildings.

New cell system at Police Station.

Shower baths at Lincoln Park building.

Playground at the Cutler school.

Central heating plant, Central Hill.

New assembly hall, Bingham school.

Respectfully submitted,

WALTER T. LITTLEFIELD,

Commissioner of Public Buildings.

REPORT OF THE COMMISSIONER OF ELECTRIC LINES AND LIGHTS.

OFFICE OF COMMISSIONER OF ELECTRIC LINES AND LIGHTS, }
January 1, 1913. }

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

Gentlemen,—I most respectfully submit my fourth annual
report as commissioner of electric lines and lights for the year
ending December 31, 1912.

Inspection of Wiring in Buildings.

The inspection of interior wiring for light, heat, and power
is of great importance, and has been given the same careful
attention as in previous years.

The increased use of electrical apparatus and devices in
the household necessarily means a corresponding increase of
inspections to insure a faithful compliance with the rules and
requirements laid down by the inspection department.

These rules are made for the protection of the public
against fire or accident, and every endeavor is made to compel
wiremen to make such installations of electrical apparatus in
a proper and safe manner.

The electrical inspector is often compelled to teach un-
skilled electricians how to do certain kinds of work properly.

He finds that property owners and architects are often in-
duced by the low figures at which such men are usually ready
to undertake electrical construction, to award contracts to such
men not fitted by previous training to do such work, and that
thereafter the inspector has to spend much time needed for
other work in showing how the installation must be made in
order to pass inspection.

Aside from the annoyance to the electrical inspector of
such a condition as this, it is most unfortunate for the property
owner.

It may and does sometimes lead to much unnecessarily
extra work having to be done and paid for, and to awkward
delays in getting the installation into service.

Moreover, work once done improperly and then remod-
eled is generally far inferior to work done right initially.

The best remedy for the disorder is to require licenses of
all men in responsible charge of electrical construction.

These licenses could be issued by the municipal inspection
department after it has satisfied itself as to the proficiency of
the applicants for them.

Such a requirement exists in some cities.

It is a measure needed for the protection of the public and

in the interests of electrical contractors who are in the business to stay, and who make a practice of doing only high class work.

Number of notifications of new work received	823
Number of inspections of new work	823
Number of re-inspections of new work	510
Numbers of inspections of old work	145
Number of defective installations of old work	10
Number of defective installations remedied	10
Number of re-inspections of old work	30
Total number of inspections	1,508
Number of permits issued to the Edison Electric Illuminating Company for installing meters, lamps, etc.,	587
Number of incandescent lamps	8,184
Number of arc lamps	4
Number of motors	83
Horse power of motors	534

Construction, Etc., of Fire and Police Alarm Systems.

FIRE ALARM SYSTEM.

This system, although giving good service during the year, should be replaced, when practicable, with a modern system, installed in a separate fireproof building, as the present quarters are not fit for a delicate and expensive fire alarm equipment.

The usual monthly inspections of the signal boxes and apparatus have been maintained and very little trouble has been found.

There have been 287 alarms transmitted during the year, an increase of thirty-four alarms over last year.

The fire alarm equipment consists of the following:—

124 signal boxes, one eight-circuit automatic repeater, eight tower strikers, thirty-one gongs, eight indicators, one punch register, forty-six tappers, one automatic steam whistle, twelve private telephones connecting the various stations, 510 cells of storage battery, about 140 miles of overhead wire, and 42,960 feet of underground cable.

Three new signal boxes have been installed this year:—

Box 72, North street, corner of Conwell avenue.

Box 73, Dearborn road, corner of Bromfield road.

Box 342, Bradley street, corner of Walter street.

Two old style unreliable boxes have been replaced by new boxes and placed on lighted posts, namely:—

Box 27, Police station, and Box 46, Hose 5, Somerville avenue.

There has been run 36,110 feet of new No. 10 triple braid-covered wire and 65,550 feet of old has been removed.

2,925 feet of new twisted pair has been run for telephones, etc., and 3,150 feet of old has been removed.

4,249 feet of lead-covered cable, consisting of two, eight, and eighteen conductors, has been placed underground on Highland avenue from Cedar street to Grove street and side streets, and the old overhead wire has been removed.

The connections made last year with Arlington have worked to the advantage of both Somerville and Arlington, apparatus from each department answering several alarms in the territory of the other.

POLICE SIGNAL SYSTEM.

The police signal system has been given its usual attention, but it has been impossible to keep it in complete working order at all times.

An entirely new system was purchased last year, and is being installed as fast as possible.

This system will be thoroughly up-to-date, and will be a long needed improvement.

Supervision of Poles and Wires on the Streets and Underground Conduits and Wires.

The same careful attention has been given to the condition of poles and wires on the streets as in previous years.

A large number of defective poles have been replaced by the companies owning the same.

New poles have been placed in locations granted for the purpose of supplying light and telephone service, and abandoned poles have been removed.

	New Poles.	Re-placed.	Re-moved.	Re-set.
New England Telephone & Telegraph Co.	19	53	18	2
Edison Electric Illuminating Co.	43	101	22	3
Boston Elevated Railway Co.	22	..	..	2
Permits given to the New England Telephone & Telegraph Co. for attachments to Edison Co.'s poles				564
Permits given to the Edison Electric Illuminating Co. for attachments to New England Telephone Co.'s poles				54

The New England Telephone and Telegraph Company has built conduits on Bow street and Summer street, from Bow street to Cedar street, also on Cutter avenue, from Highland avenue to Elm street, for the purpose of placing its wires underground and removing overhead wires.

The Edison Electric Illuminating Company has built conduits on Pearl street from Mt. Vernon street to Gilman square, and has removed its overhead wires from Teele square to the Arlington line.

Street Lighting.

The matter of street lighting has been given careful attention and a number of changes have been made in the kind of lamps and the location of the same.

The arc lamps on Broadway have been replaced with magnetite lamps which add greatly to the lighting of that much traveled thoroughfare.

	Arcs.	Incandescents.	
		40 c. p.	100 c. p.
Number of street lights January 1, 1912	468	756	18
Number of street lights January 1, 1913	405	814	47
	56 magnetites.		

Electrical Department.

CREDIT.	
Appropriation	\$8,750 00
Underground construction	97 63
Total credit	\$8,847 63
DEBIT.	
Salaries	\$5,884 00
Fire alarm system	1,577 63
Police signal system	184 10
Inspection of electrical work	998 27
Incidentals	6 75
Total debit	\$8,650 75
Balance unexpended	\$196 88

Underground Construction.

CREDIT.	
Appropriation	\$3,000 00
Balance unexpended, 1911	1,077 37
Total credit	\$4,077 37
DEBIT.	
Labor	\$852 00
Materials	1,884 02
Total debit	\$2,736 02
Balance unexpended	\$1,341 35

Street Lighting.

CREDIT.	
Appropriation	\$54,000 00
DEBIT.	
Street lighting	\$54,412 00
Changing locations of lights	52 00
Incidentals	36 00
Total debit	\$54,500 00

Recommendations.

I respectfully recommend that:—
 The matter of providing suitable headquarters for the fire alarm system be considered.

The present fire alarm system be replaced by a modern quick time system when such suitable quarters are provided.

A new fire alarm box be located on Pennsylvania avenue in the centre of the new district recently built upon between Broadway and Mystic avenue.

Conclusion.

I wish to thank his honor, the mayor, the members of the board of aldermen, and the several departments for courtesies received.

Respectfully submitted,

WALTER I. FULLER,

Commissioner of Electric Lines and Lights.

SOMERVILLE WATER WORKS.

SOMERVILLE, MIDDLESEX CO., MASSACHUSETTS.

Location : Somerville City Hall (near centre of the city) is $2\frac{3}{4}$ miles northerly from State House in Boston.

Greatest extent of the City north and south about 4.2 miles.

Greatest extent of the City east and west about 2.1 miles.

Elevation Highland avenue at City Hall 105 feet above mean low water.

Lowest building elevation in the city 13 feet.

Highest building elevation in the city 145 feet.

Area of city, including land and water, about 4.22 square miles.

Land, 2,461.50 acres : water and marsh, 238.50 acres.

Population, census, 77,236.

Entire population on line of pipe and supplied with water.

Water works owned by City of Somerville.

Construction commenced in 1868.

Source of supply : Metropolitan system, taking water of the Nashua river at Clinton, Mass.

Range of pressure on street mains :

Low service 35 to 65 pounds.

High service 45 to 100 pounds.

Mayor

HON. CHARLES A. BURNS.

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, 1913. }

To His Honor, the Mayor, and the Board of Aldermen:—

I present herewith my report for the year ending December 31, 1912, this being the thirty-ninth annual report of the water department, and my thirteenth as water commissioner:—

Receipts and Expenditures.

Water bills have been issued as follows:—

“Annual” water charges, amounting to	\$82,719 75
“Additional” water charges, amounting to	4,208 47
“Metered” water charges, amounting to	148,886 48
	\$235,814 70

	Annual and Add'l.	Metered.	
Abatements on above charges	\$1,000 40	\$642 07	
Refunds on above charges	291 03	28 13	
Abatements on 1911 charges . . . . .	.....	1 00	
	\$1,291 43	\$671 20	
			1,962 63

Income from sale of water			\$233,852 07
Receipts from water service assessments		\$4,863 82	
Receipts for labor and materials sold:—			
} Municipal departments		739 94	
} Outside accounts		13,302 66	
		18,906 42	

Total income of water works \$252,758 49

This amount was used as follows:—

For water works purposes:—

Water works maintenance			\$27,119 41
Water works extension			18,546 66
Miscellaneous accounts			18,906 42
Interest on water loan bonds			1,740 00
Maturing water loan bonds			6,000 00
Metropolitan water works assessment		109,232 14	
		\$181,544 63	

For other municipal purposes:—

General revenue, for benefit of all municipal departments,	71,213 86
	\$252,758 49

In addition to the appropriations from water income to other municipal purposes enumerated above, water has been furnished without charge to all the city departments that have required its use, and it is paid for out of the income from sale of water.

Department Receipts and Disbursements.

WATER MAINTENANCE ACCOUNT.

	DR.	CR.
Amount appropriated by board of aldermen from estimated sales of water and operating receipts of the water department		\$30,000 00
Amount appropriated from General Revenue account, water department operating receipts		4,000 00
Sundry accounts for labor and materials furnished municipal departments		739 94
Materials used in extension of the water works		15,036 09
Balance		6,422 07
Amount expended for labor and materials for operation, maintenance, and renewal of the water works	\$27,119 41	
Amount expended for materials used in extension of the water works	15,036 09	
Miscellaneous accounts	13,302 66	
Labor and materials furnished municipal departments	739 94	
	\$56,198 10	\$56,198 10

WATER WORKS EXTENSION ACCOUNT.

	DR.	CR.
Amount appropriated by board of aldermen from estimated sales of water and operating receipts of the water department		\$17,000 00
Amount appropriated from General Revenue account, water department operating receipts		6,000 00
Balance		410 48
Amount expended for labor and materials used in extension of the water works	\$18,546 66	
Miscellaneous accounts	4,863 82	
	\$23,410 48	\$23,410 48

Cost of Water Works.

The total cost of the water works on December 31, 1911, as represented by the expenditures from appropriations for water works extension was	\$944,588 34
Expended during the year 1912, on extension account	18,546 66
Total expenditures, December 31, 1912	\$963,135 00

Water Debt.

Water loan bonds have been issued on funded debt account to the amount of \$1,017,000; this has been reduced by \$979,000, leaving the water debt on December 31, 1912, \$38,000.

counts and reports, incidental to the income, and operating branches, increases each year.

The installation of meters, under the requirements of the state law, produces a never-ending train of labor, as each meter, in addition to the records and labor incidental to its original installation, has to be read, recorded, billed, and collected four times each year, besides the general work of inspection and repairs which meters frequently demand.

Each new house erected, therefore, becomes a source of additional and perpetual work to the department. When it is considered that a dozen years ago there were 200 operating meters in the city and that to-day there are over 7,000, with only fifty-three per cent. yet installed, some idea may be gained of the increase of duties in this branch of the work alone.

While the actual receipt of the money in payment of bills rendered by this office does not take place over our counters, all the steps leading up to the payments are made here. All the bills, statements, duns, and final notices are issued from this office, and it is with some pride that we are able to show that we collect within about one-tenth of one per cent. of the total amount due to the department.

On account of water charges not being a lien on real estate, there are a few losses on account of changes in ownership, but the number and amount involved are practically negligible in relation to the grand total.

Our office dealings with the public become more intimate each year as the nature of our work brings us into closer relations, and counter and telephone calls are practically constant.

Formerly, the assessing and collecting of water rates was done once a year, but now, under the meter system, one-third of the city is billed each month and the task of explaining and adjusting with the public seeming difficulties in relation to their service is correspondingly increased.

The city is growing at a rapid rate and since 1900, when the present incumbent was appointed water commissioner, there has been an increase in population sufficient to form another good-sized city. In addition to the work occasioned by the city's growth, a large increase is noted in the number of cases requiring attention on account of deterioration in the older portions of the service pipe system. The fact that this is a rapidly growing municipal department, accompanied by largely increased duties and responsibilities, should be thoughtfully considered when fixing the salary and labor items in the appropriations for the department, which I believe, based on the work done and results obtained, should rank as high as any other department in the city.

WATER DISTRIBUTION SYSTEM—CONSTRUCTION.

STREET MAINS.

The number of feet of street mains laid during the year just closed is 9,432; there has also been laid 166 feet of pipe for hydrant connections and 23 feet for blow-off discharges, making a total of 9,621 feet; 1,654 feet have been removed or abandoned. The net increase is 7,967 feet, which is 4,129 feet greater than that of last year, and the total mileage in the city is approximately 97.34.

The sizes and lengths of pipe laid and abandoned are as follows:—

Size.	Feet laid.	Feet abandoned.	Size.	Feet laid.	Feet abandoned.
2"	439	0	12"	1,906	597
4"	19	0	14"	214	301
6"	3,298	506	16"	520	0
8"	1,873	201	20"	87	0
10"	1,265	49			

The principal street mains laid during the year are as follows:—

Street.	Size of main.	Street.	Size of main.
Bartlett street (ward 1).....	6"	Newman place.....	2"
Barton street.....	6"	New Hampshire avenue.....	6"
Belmont terrace.....	2"	Pennsylvania avenue.....	10"
Broadway (north side, easterly from Cross street)...	8"	Powder House boulevard...	12"
Clarendon avenue (connecting link).....	8"	Rhode Island avenue.....	6"
Curtis avenue.....	6"	Steeves circle.....	2"
Douglas avenue.....	6"	Sunset road.....	6"
Earle street.....	16"	Taylor street.....	6"
Glass House court (ext.)...	16"	Vermont avenue.....	10"
Mystic avenue.....	12"	Walker street.....	8"
		Ward street.....	16"
		Wisconsin avenue.....	6"

Grade Crossing Changes.

Two grade crossing eliminations have been under way during the year, in Medford street and in Dane street, necessitating the construction and reconstruction of numerous pipe lines. The work in Medford street was the most involved on account of the need of cutting away the fourteen-inch main feeder to the packing house district, so that the contractors could carry on their work of depressing the grade of the street. The situation was finally relieved by the laying of a new sixteen-inch main from the end of the old line in Glass House court at Water street through a right of way to Earle street, thence in Earle street, and through land occupied by the Moulton ladder factory to a connection with an existing ten-inch main in Ward street at Emery street. This line has been in satisfactory operation since the old main has been cut out of service. The cost of this work has been charged to and settled

for by the Boston & Maine Railroad Company on grade crossing elimination account, as has all the other work done by the water department in connection with the water pipe changes.

Fire and service connections have been relocated and reconstructed to the yards of the New England Dressed Meat and Wool Company, North Packing & Provision Company, and John P. Squire Company, and the efficiency of the service for all purposes has been completely maintained throughout all the difficulties attending the grade crossing changes.

At Dane street crossing, the mains in Dane street, Dane avenue, Skehan street, Village street, Nevada avenue, and Tyler street have been raised and relaid to conform to the new grades of those streets, house services have been relaid, hydrants and gates reset and blowoffs installed, all with but temporary deprivation of the water service.

The Dane street main has been laid only to the bridge walls as the structure over the railroad tracks has not yet been set up, but the pipe will be continued over the bridge when that is completed. The six-inch service connection to the yard of the American Tube Works has been re-connected with the main in Dane street at the new grade. The cost of all this work has also been charged to and paid for by the Boston & Maine Railroad Company on grade crossing account.

The pipe materials and skilled labor needed were supplied by the water department, while the trench work and incidental labor were performed by the general contractors, Messrs. T. Stuart & Sons Company.

Trench work for water mains has been done under contract in the following streets: Broadway, easterly from Cross street; Clarendon avenue; Pennsylvania avenue; Powder House boulevard; Steeves circle; Sunset road. Materials for the pipe installation were furnished and all the pipe laying was done by the water department.

Hydrants, Gates, etc.

There have been thirty-five hydrants set and eighteen removed during the year, making the net increase seventeen, and the total number in the city 1,099.

One hydrant has been added to the number of those in mill and corporation yards, making the total number of private hydrants supplied from the city mains fifty-nine.

Sixty-one gate valves have been set during the year and fourteen have been removed, making a net increase of forty-seven, and a total of 1,566 in the service.

Three blow-offs have been constructed at the foot of the grades in connection with the grade crossing changes and the number in the city is thereby increased to 155.

No changes have been made in the waterpost service for street sprinkling, nor in the drinking fountains.

The meters installed in 1912 were classed as follows:—

Applications of property owners	203
New services	236
General installation	220
Reset	58
	<hr/>
Total	717

Meters were removed for the following causes:—

Vacancies and temporary non-use of water	55
Services permanently discontinued	6
Replaced by other meters	18
	<hr/>
Total	79

Under the provisions of the Metropolitan Water Act it is necessary that there be installed in this city at least 411 meters each year on services previously unmetered, and meters on all new services when they go into regular use. The number of meters set during the year in excess of the actual requirements of the state law was twelve.

The following table gives a summary of the pipes and fixtures of the water system December 31, 1912:—

Summary of Pipes and Fixtures.

Feet of main pipe (approximately)	513,956
Feet of service pipe (approximately)	433,266
Service connections (approximately)	12,596
Public fire hydrants	1,099
Private fire hydrants	59
Gates	1,566
Check valves	7
Meters	7,164
Motor registers	7
Waterposts	83
Blow-offs	155
Drinking fountains and troughs	6

WATER DISTRIBUTION SYSTEM—MAINTENANCE.

Mains, Gates and Hydrants.

The street mains of the distribution system have given but little trouble during the year. There have been no breaks and but few leaks discovered. Gates have been packed and oiled when necessary. Hydrants have been inspected, repaired, and replaced as there was need. During the extremely cold weather of last January and February, extraordinary attention was given to our fire hydrant service by the inspection gangs and comparatively little damage resulted from the unusual depth of frost and ice in the ground.

Our mains also escaped without injury, although in several neighboring cities the water in the distributing mains froze so that the entire streets were without domestic or fire service, and it became necessary to deliver water to houses from carts.

Waterposts and Fountains.

No changes have been made in the locations of waterposts. Water has been turned on and off and repairs made as needed for the street watering department.

The horse troughs have been cleaned and kept in good order; the one in Union square was closed for a period of thirty days on request of the State Department of Animal Industry.

Three drinking fountains were supplied with iced water during the summer season.

Services.

The older house services continue to give considerable trouble from deterioration, and it is likely that this will continue and grow as their age increases. A repair gang is kept busy on this and other work connected with the up-keep of the service pipes.

The cold of last winter penetrated the ground to an unusual depth, greater than any other time in our experience, and caused a great deal of annoyance to householders and expense to the city, through freezing of the water in the house services. The services were thawed whenever possible by pumping hot water into the pipes from the house cellars; where this did not accomplish the object, the laborious work of digging through five feet of frozen earth in the street had to be resorted to. Electric thawing was considered, but was found to be impracticable on our old cement lined services.

One hundred twenty-eight services were frozen and were thawed out by this department, a small number as compared with the trouble experienced in some cities, but sufficient to keep the regular department forces busy day and night while the conditions lasted.

It should be recorded that almost without exception those who suffered the annoyance and inconvenience of being temporarily without use of water bore their difficulties with patience and forbearance, and thus materially aided the department in restoring the accustomed service.

Meters.

The meter system suffered somewhat during the cold spells of the year, 177 meters having to be taken out and repaired on account of freezing. The usual proportion of minor repairs have been made at our shop.

Department Needs.

As the dwelling for the employees, which I last year recommended to be erected in the department grounds, has not yet materialized, I renew the recommendation and hope that some action may be taken in the matter. I think the department efficiency can be increased and the operating cost reduced by carrying out this recommendation.

Our horses and wagons are old and fast becoming unfit for further service. This department is the pioneer in the use of motor equipment in this city, and after several years' experience I am of the opinion that it is the best suited for our needs. At least one horse outfit should be replaced this year with a motor truck.

The general office of the department at City Hall can be greatly improved and higher efficiency obtained in the clerical work by providing more daylight for the clerks. This can readily be accomplished by cutting in two windows on the School-street side, thus enabling the clerks to get better light on their work, and I recommend that this be done as soon as the season permits.

Water Assessments and Consumption.

The annual assessments paid by this city as its proportionate part of the cost and operation of the metropolitan water works are given below:—

Year.	Sinking Fund.	Maintenance.	Interest.	Maturing Bonds.	Total.
1898	No division	made			\$14,250 19
1899	“	“			20,975 58
1900	“	“			28,689 24
1901	\$12,491 73	\$12,033 79	\$32,291 24		56,816 76
1902	19,014 85	12,955 64	30,427 40		62,397 89
1903	15,748 56	12,763 10	48,776 77		77,288 43
1904	16,404 42	15,393 87	54,938 64		86,736 93
1905	21,358 11	13,666 71	55,535 91		90,560 73
1906	22,345 50	17,412 51	57,402 07		97,160 08
1907	25,365 30	18,880 01	62,089 30		106,334 61
1908	24,865 73	15,221 12	68,604 23		108,691 08
1909	24,812 23	21,220 56	66,540 41		112,573 20
1910	25,018 52	18,212 28	66,825 45		110,056 25
1911	25,424 55	19,573 82	69,849 26	\$246 66	115,094 29
1912	24,469 82	16,111 70	68,205 16	445 46	109,232 14

\$1,196,857 40

There has been credited to the city by the commonwealth as its proportion of the amounts received from entrance fees, water supplied outside the district, and water furnished to water companies the sum of \$9,056.10.

The daily consumption of water in Somerville, as recorded by the Venturi meters, operated by the metropolitan water works, is shown below by months for the year 1912:—

Month.	Gallons.	Month.	Gallons.
January	7,446,200	July	6,544,500
February	7,672,100	August	6,090,100
March	6,522,100	September	6,104,200
April	5,882,600	October	6,074,800
May	6,139,500	November	5,945,200
June	6,649,000	December	6,025,500

The total consumption for the year is 2,352,465,000 gallons, making an average daily consumption of 6,427,500 gallons.

The average daily quantity of water used in Somerville during 1912 was seventy-nine gallons per inhabitant, an increase of five gallons over the previous year's consumption; the average for the entire district was 107 gallons daily per capita, an increase over last year of two gallons per capita.

The following table shows the daily per capita consumption of water in the cities and towns in the metropolitan water district for the year 1912, as registered by the metropolitan meters:—

City or Town.	Jan.	Feb.	Mar.	Apr.	May.	June	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Boston	153	151	128	122	122	123	125	120	119	116	112	114	125
Somerville	93	96	81	73	76	83	81	75	75	75	73	74	79
Malden	50	51	52	46	46	50	50	45	46	46	44	45	48
Chelsea	99	97	87	81	80	84	86	84	83	80	77	78	85
Everett	99	98	84	71	72	78	77	68	66	65	62	64	75
Quincy	81	86	84	88	89	100	99	89	88	84	85	71	87
Medford	47	52	52	46	47	55	58	48	49	46	45	45	49
Melrose	65	83	77	71	74	84	79	64	62	57	60	57	69
Revere	96	101	82	67	69	80	85	80	70	62	53	58	75
Watertown	68	74	70	65	65	76	79	63	66	67	60	58	67
Arlington	82	90	93	89	89	121	124	94	74	79	66	68	89
Milton	38	39	37	43	49	52	47	39	41	42	36	33	41
Winthrop	56	71	60	59	63	79	87	80	66	58	53	49	65
Stoneham	70	78	84	71	73	90	114	79	76	75	65	58	78
Belmont	59	59	60	67	67	105	107	72	72	69	63	58	71
Lexington	70	75	79	80	83	101	107	74	66	57	56	56	75
Nahant	45	69	65	66	60	85	77	76	71	63	48	44	69
Swampscott	63	73	57	50	50	68	72	68	63	55	53	47	61
Metropolitan Dist..	127	128	110	104	104	108	110	103	102	99	95	97	107

The district, in order of consumption, beginning with the lowest, stands as follows:—

City or Town.	Gallons.		City or Town.	Gallons.	
	Total per Day.	Per Capita per Day.		Total per Day.	Per Capita per Day.
1—Milton	343,300	41	9—Everett	2,707,800	75
2—Malden	2,226,300	48	9—Revere	1,495,400	75
3—Medford	1,222,900	49	9—Lexington ...	356,800	75
4—Swampscott ...	443,300	61	10—Stoneham ...	590,700	78
5—Winthrop	717,400	65	11—Somerville ...	6,427,500	79
6—Watertown	922,300	67	12—Chelsea	2,935,500	85
7—Melrose	1,132,100	69	13—Quincy	3,003,100	87
7—Nahant	158,800	69	14—Arlington ...	1,075,500	89
8—Belmont	434,500	71	15—Boston	90,037,500	125

It is noted in the above table, that the daily per capita consumption in Somerville increased slightly over the figures of the previous year, being seventy-nine, or five gallons higher than in 1911, and a comparison shows a general increase throughout the water district. This is accounted for by the extremely cold weather of last winter, which led many people to allow the water to run continuously to prevent its freezing.

In this city, also, it is noted that a greater use of water has been made by some of our commercial consumers, which has the effect of increasing the per capita consumption.

As a matter of interest, it is here stated that we have in the city three corporations using very large quantities of water annually and paying large revenues to the city therefor; one of these used about 35,000,000 gallons, one 170,000,000 gallons, and one 190,000,000 gallons last year, and the revenue received by the city from these three consumers amounted in all to nearly \$47,000.00.

It appears that the night rate of consumption in the city is about forty gallons per capita, and this seems much too high for those hours when but very little water is supposed to be used. A pitometer survey of the city may locate some large leak and waste of water now unknown, and it is hoped to make a start on this work during the coming year.

As our annual water assessment is based two-thirds on our consumption of water, and as there has been a movement started by a neighboring city to obtain legislation to make it based entirely on consumption, which would largely increase our yearly payments to the state on water works account, it is desirable that the use of water in the city should be carefully guarded and while there should be no feeling of need to use it sparingly, or in stinted quantities, all should co-operate to stop needless wastes, which serve no good purpose.

Respectfully submitted,

FRANK E. MERRILL,

Water Commissioner.

STREET MAINS, GATES, HYDRANTS, ETC., LAID, SET AND REMOVED IN 1912.

STREET.	DESCRIPTION.	PIPE.				GATES.				HYDRANTS.				BLOW-OFFS.				WATER-POSTS.	
		LAID.		ABANDONED.		SET.		REMOVED.		SET.		REMOVED.		SET.		REMOVED.		SET.	REMOVED.
		Size.	Feet.	Size.	Feet.	Size.	No.	Size.	No.	Size.	No.	Size.	No.	Size.	No.	Size.	No.	No.	No.
Bartlett street	Street main; from connection with old main at point 133' south from Washington street to point 196' south from Washington street.	6"	63																
Barton street	Street main; from main in Broadway to gate set on south line of Russell road.	6"	433			6"	2												
Barton street	Hydrants.	6"	16							6"	2								
Belmont terrace	Street main; from main in Belmont street to point 138' east from east line of Belmont street.	2"	172			2"	1												
Broadway	Street main; from main in Cross street to gate set on east line of Michigan avenue. Laid in northerly sidewalk.	8"	630			8"	3												
Broadway	Hydrants.	6"	41			6"	1			8"	3								
Chandler street	Hydrant.									6"	1	6"	1						
Clarendon avenue	Street main; from connection with old main at point 296' south from south line of Broadway to connection with old main at point 785' south from south line of Broadway.	8"	484			6"	1												
Clarendon avenue	Hydrant.	6"	6							6"	1	4"	1						
Clark street	Hydrant.									6"	1	6"	1						
Connecticut avenue	Street main; from main in Mystic avenue to gate set on south line of Mystic avenue.	6"	6			6"	1												
Cross street	Street main; from main in Mystic avenue to gate set on south line of Mystic avenue.	12"	6			12"	1												
Cross street	Gate; on north line of Broadway.					12"	1												
Curtis avenue	Street main; from connection with old pipe at point 253' west from west line of Curtis street to point 421' west from west line of Curtis street.	6"	168																
Dane avenue	Street main; from main in Dane street to connection with main on new grade at point 171 feet east from east line of Dane street.	8"	201	8"	201	8"	1	8"	1										
Dane street (south side F. R. R.)	Street main; from connection with old main on new grade at point 39' south from south line of Skelhan street to point on new grade 147' north from north line of Village street.	12"	334	12"	334	12"	1	12"	1										
Dane street (south side F. R. R.)	Hydrant.									6"	1	6"	1	4"	1				
Dane street (south side F. R. R.)	Blow-off.	4"	10			4"	1												
Dane street (north side F. R. R.)	Street main; from connection with old main on new grade at point 106' north from north line of Tyler street to point on new grade at 117' south from south line of Tyler street.	12"	263	12"	263	12"	1			6"	2	8"	1						
Dane street (north side F. R. R.)	Hydrants.	6"	21	6"	21									4"	1				
Dane street (north side F. R. R.)	Blow off.	4"	9			4"	1												
Dane street (north side F. R. R.)	Gate; on line through yard of American Tube Works.					6"	1	6"	1										
Douglas avenue	Street main; from main in Edgar avenue to point 159' east from east line of Edgar avenue.	6"	165			6"	1												
Earle street	Street main; from main in Glass House court extension to connection with old pipe at point 1' south from south line of Earle street.	16"	123			6"	1												
Earle street	Hydrant.	6"	7							6"	1								
Emery street	Street main; from main in Ward street to connection with old pipe at point 8' south from south line of Ward street.	6"	18	6"	18	6"	1	6"	1										
Glass house c't extension	Street main; from connection with old main at point 8' west from east line of Water street to connection with main in Earle street at point 10' west from east line of Earle street extension.	16"	201			16"	1												
Hanson avenue	Street main; from connection with old pipe at point 10' north from south line of Hanson avenue to point 48' north from south line of Hanson avenue.	2"	38							6"	1	6"	1						
Hinckley street	Hydrant.									6"	1	6"	1						
Holland street	Gate.					12"	1												
Lowell street	Hydrant.	6"	10							6"	1								
Maine avenue	Street main; from main in Pennsylvania avenue to point 54' north from north line of Pennsylvania avenue.	6"	87			6"	1												
Medford street (south side F. R. R.)	Street main; from connection with main in Ward street to point on new grade 41' north from north line of Ward street; relaid.	14"	66	14"	66	14"	1	14"	1										
Medford street (north side F. R. R.)	Street main; from point 258' south from south line of Somerville avenue to point on new grade 493' south from south line of Somerville avenue.	14"	143			14"	1												
Medford street	Hydrants.	20"	87	14"	235	6"	1			6"	1	6"	2						
Medford street	Gates; on services to yard and buildings of N. P. & P. Co.	6"	7	6"	14	8"	1	8"	1										
Medford street	Gates; on service to yard of N. E. D. M. & W. Co.					10"	1	10"	1										
Medford street	Gates; on service to yard of John P. Squire & Co.					12"	1	10"	1										
Michigan avenue	Street main; from main in sidewalk on north side of Broadway to gate set on north line of Broadway.	10"	8			10"	1												
Minnesota avenue	Street main from main in sidewalk on north side of Broadway to gate set on north line of Broadway.	6"	7			6"	1			6"	1	4"	1						
Moore street	Hydrants.									6"	1	6"	1						
Myrtle street	Hydrants.									6"	1	4"	1						
Mystic avenue	Street main from connection with old main at point 6' west from west line of Cross street to gate set on east line of Vermont avenue.	12"	623			12"	3												
Nevada avenue	Street main from main in Village street to connection with old pipe on new grade at point 76' west from west line of Village street.	6"	87	6"	87	6"	1												
New Hampshire avenue	Street main; from main in Pennsylvania avenue to point 55' north from north line of Pennsylvania avenue.	6"	88			6"	1												
Newman place	Street main; from main in Cedar street to point 87' east from east line of Cedar street.	2"	101			2"	1												
Pennsylvania avenue	Street main; from main in Rhode Island avenue to 12' main on southerly side of Broadway.	10"	1,111			10"	4												
Pennsylvania avenue	Hydrants.	12"	56			12"	1			6"	2								
Poplar street	Hydrants.	6"	12							6"	1	6"	1						
Porter street	Hydrants.									6"	1	6"	1						
Powder house boulevard (north side)	Street main; from main in North street to point 610' east from east line of North street.	12"	624			12"	2			6"	2								
Powder house boulevard (north side)	Hydrants.	6"	2							6"	1	6"	1						
Prescott street	Hydrant.									6"	1	6"	1						
Rhode Island avenue	Street main; from main in Mystic avenue to main in Pennsylvania avenue.	6"	499			6"	2			6"	2	8"	1						
Rhode Island avenue	Hydrants.	8"	14							6"	1	8"	1						
School street	Hydrant.																		
Skelhan street	Street main; from main in Dane street to connection with old pipe raised to new grade at point 38' west from west line of Dane street.	6"	61	6"	61	6"	1	6"	1										
Steeves circle	Street main; from main in Cherry street to point 110' east from east line of Cherry street.																		
Sunset road	Street main; from main in Curtis street to gate set on east line of Hillsdale road.	6"	124			2"	1												
Sunset road	Hydrants.	6"	685			6"	2			6"	2								
Taylor street	Street main; from connection with old pipe at point 14' south from south line of Mystic avenue to point 102' south from south line of Mystic avenue.	6"	14																
Thorndike street	Hydrant.		88							6"	1	8"	1						
Tyler street	Street main; from main in Dane street to connection with old pipe raised to new grade at point 134' west from west line of Dane street.	6"	149	6"	149	6"	1	6"	1										
Vermont avenue	Street main; from main in Mystic avenue to gate set on south line of Mystic avenue (13') and from main in Pennsylvania avenue to point 61' north from north line of Pennsylvania avenue (84').	10"	97			10"	2												
Village street	Street main; from main in Dane street to connection with old pipe raised to new grade at point 160' west from west line of Dane street.	8"	162			8"	1	6"	1										
Walker street	Street main; from connection with old pipe in Walker street to gate set on east line of Leonard street.	6"	11	6"	173	8"	1	6"	1										
Walker street	Hydrants.	8"	396			8"	1			6"	2								
Ward street	Street main; from connection with old main at point 16' east from east line of Emery street to connection with main in Earle street.	10"	26	10"	26	10"	1												
Ward street	Hydrants.	16"	190																
Washington street	Street main; from main in Medford street to connection with old pipe at point 6' west from west line of Medford street.	10"	23	10"	23	10"	1	10"	1	6"	2	6"	1						
Washington street	Hydrants.																		
Winter Hill circle	Blow-off.	2"	4			4"	1							2"	1				
Winter Hill circle	Hydrant.																		
Wisconsin avenue	Street main; from main in Pennsylvania avenue to 8" main in sidewalk on northerly side of Broadway.	6"	615			6"	2			6"	1								
Wisconsin avenue	Hydrant.	6"	9																
			9,621		1,654		61		14		35		18		3				

Gates Set in New Locations.

- Barton street, 6-inch gate, set 13 feet 4 inches out from west line, on north line of Broadway.
- Barton street, 6-inch gate, set 13 feet 4 inches out from west line, on south line of Russell road.
- Belmont terrace, 2-inch gate, set 11 feet out from south line, on east line of Belmont street.
- Broadway, 6-inch gate, set 17 feet out from north line and 9 feet west from west line of Winter Hill circle; on hydrant branch.
- Broadway, 8-inch gate, set 7 feet out from north line, on east line of Cross street.
- Broadway, 8-inch gate, set 7 feet out from north line, on west line of Michigan avenue.
- Broadway, 8-inch gate, set 7 feet out from north line, on east line of Michigan avenue.
- Clarendon avenue, 6-inch gate, set 13 feet out from west line and 783 feet south from south line of Broadway.
- Connecticut avenue, 6-inch gate, set 13 feet 4 inches out from west line, on south line of Mystic avenue.
- Cross street, 12-inch gate, set 13 feet 6 inches out from east line, on south line of Mystic avenue.
- Cross street, 12-inch gate, set 13 feet 4 inches out from east line and 15 feet south from north line of Broadway.
- Dane avenue, 8-inch gate, set 10 feet out from south line, on east line of Dane street.
- Dane street, 4-inch gate, set 18 feet out from west line, and 89 feet south from south line of Skehan street; on blow-off branch.
- Dane street, 12-inch gate, set 13 feet 4 inches out from west line, and 147 feet north from north line of Village street.
- Dane street, 12-inch gate, set 13 feet 4 inches out from west line, and 117 feet south from south line of Tyler street.
- Dane street, 6-inch gate, set 16 feet out from west line, and 54 feet north from north line of Tyler street; on service leading into yard of American Tube Works.
- Dane street, 4-inch gate, set 17 feet out from west line, and 194 feet south from south line of Somerville avenue; on blow-off branch.
- Douglas avenue, 6-inch gate, set 10 feet out from north line, on east line of Edgar avenue.
- Earle street, 6-inch gate, set 10 feet out from east line, on south line of Ward street.
- Emery street, 6-inch gate, set 10 feet out from east line, on south line of Ward street.
- Glass House court, 16-inch gate, set 13 feet 4 inches out from north line, on east line of Water street.
- Holland street, 12-inch gate, set 19 feet 6 inches out from south line, on west line of Cameron avenue.
- Main avenue, 6-inch gate, set 13 feet 4 inches out from west line, on north line of Pennsylvania avenue.
- Medford street, 6-inch gate, set 10 feet out from west line, and 172 feet south from south line of Somerville avenue, on hydrant branch.
- Medford street, 10-inch gate, set 12 feet 6 inches out from west line, and 274 feet south from south line of Somerville avenue; on service leading into yard of New England Dressed Meat and Wool Co.
- Medford street, 14-inch gate, set 16 feet out from west line, and 308 feet south from south line of Somerville avenue.
- Medford street, 8-inch gate, set 21 feet east from west line, and 41 feet north from north line of Ward street; on hydrant branch.

- Medford street, 14-inch gate, set 17 feet out from west line, on north line of Ward street.
- Medford street, 10-inch gate, set 5 feet out from east line, and 2 feet south from north line of Ward street; on service leading into yard of North Packing and Provision Co.
- Medford street, 12-inch gate, set 6 feet 6 inches out from east line, and 123 feet south from south line of Warren street; on service leading into yard of John P. Squire & Co.
- Michigan avenue, 10-inch gate, set 13 feet 4 inches out from west line, on north line of Broadway.
- Minnesota avenue, 6-inch gate, set 13 feet 4 inches out from west line, on north line of Broadway.
- Mystic avenue, 12-inch gate, set 7 feet out from south line, on west line of Cross street.
- Mystic avenue, 12-inch gate, set 7 feet out from south line, on east line of Cross street.
- Mystic avenue, 12-inch gate, set 7 feet out from south line, on east line of Vermont avenue.
- Nevada avenue, 6-inch gate, set 6 feet 8 inches out from north line, on south line of Village street.
- New Hampshire avenue, 6-inch gate, set 13 feet 4 inches out from west line, on north line of Pennsylvania avenue.
- Newman place, 2-inch gate, set 7 feet out from north line, on east line of Cedar street.
- Pennsylvania avenue, 10-inch gate, set 16 feet 8 inches out from south line, on west line of Vermont avenue.
- Pennsylvania avenue, 10-inch gate, set 16 feet 8 inches out from south line, on east line of Michigan avenue.
- Pennsylvania avenue, 10-inch gate, set 16 feet 8 inches out from south line, on east line of Indiana avenue.
- Pennsylvania avenue, 10-inch gate, set 16 feet 8 inches out from west line, on north line of Broadway.
- Pennsylvania avenue, 12-inch gate, set on Broadway, 36 feet 6 inches out from south line, and 40 feet east from east line of Hathorn street.
- Powder House boulevard, 12-inch gate, set 16 feet 6 inches out from north line, on east line of North street.
- Powder House boulevard, 12-inch gate, set 16 feet 6 inches out from north line, and 594 feet east from east line of North street.
- Rhode Island avenue, 6-inch gate, set 13 feet 4 inches out from west line, on south line of Mystic avenue.
- Rhode Island avenue, 6-inch gate, set 13 feet 4 inches out from west line, on north line of Pennsylvania avenue.
- Skehan street, 6-inch gate, set 10 feet out from south line, on west line of Dane street.
- Steeves circle, 2-inch gate, set 6 feet north from south line, and 7 feet west from east line of Cherry street.
- Sunset road, 6-inch gate, set 13 feet 4 inches out from south line, on east line of Hillsdale road.
- Sunset road, 6-inch gate, set 13 feet 4 inches out from south line, on west line of Curtis street.
- Tyler street, 6-inch gate, set 13 feet 4 inches out from north line, on west line of Dane street.
- Vermont avenue, 10-inch gate, set 13 feet 4 inches out from west line, on south line of Mystic avenue.
- Vermont avenue, 10-inch gate, set 13 feet 4 inches out from west line, on north line of Pennsylvania avenue.
- Village street, 8-inch gate, set 8 feet 4 inches out from south line, on west line of Dane street.

- Walker street, 8-inch gate, set 13 feet 4 inches out from south line, on east line of Leonard street.
- Ward street, 10-inch gate, set 10 feet out from south line, on east line of Emery street.
- Ward street, 10-inch gate, set 10 feet out from south line, on west line of Medford street.
- Winter Hill circle, 4-inch gate, set 12 feet 6 inches out from west line, and 179 feet north from north line of Broadway; for blow-off.
- Wisconsin avenue, 6-inch gate, set 16 feet 8 inches out from west line, on south line of Pennsylvania avenue.
- Wisconsin avenue, 6-inch gate, set 16 feet 8 inches out from west line, on north line of Broadway.

Gates Removed or Discontinued.

- Dane avenue, 8-inch gate discontinued on grade of old pipe line 10 feet out from south line, on east line of Dane street.
- Dane street, 6-inch gate removed from service leading into yard of American Tube Works on east line of Dane street and 54 feet north from north line of Tyler street (now inside the yard on their 6-inch service).
- Dane street, 12-inch gate discontinued on grade of old pipe line 13 feet 4 inches out from west line and 147 feet north from north line of Village street.
- Emery street, 6-inch gate removed from 10 feet out from east line, on south line of Ward street.
- Medford street, 8-inch gate removed from 19 feet out from east line and 107 feet south from south line of Warren street, on abandoned service leading into yard of John P. Squire & Co.
- Medford street, 8-inch gate removed from hydrant branch 20 feet east from west line of Medford street and 42 feet north from north line of Ward street.
- Medford street, 6-inch gate removed from discontinued fire and meter service connection into No. 1 building of North Packing and Provision Co.
- Medford street, 8-inch gate removed from discontinued fire service connection into yard of North Packing and Provision Co., just north of No. 1 building.
- Medford street, 14-inch gate removed from 17 feet out from west line, on south line of Fitchburg Railroad.
- Medford street, 10-inch gate removed from service leading into yard of New England Dressed Meat and Wool Co., on west line of Medford street, and 282 feet south from south line of Somerville avenue (now inside the yard on their 10-inch service).
- Skehan street, 6-inch gate discontinued on grade of old pipe line 10 feet out from south line, on west line of Dane street.
- Tyler street, 6-inch gate discontinued on grade of old pipe line 13 feet 4 inches out from north line, on west line of Dane street.
- Village street, 6-inch gate discontinued on grade of old pipe line 8 feet 4 inches out from south line, on west line of Dane street.
- Ward street, 10-inch gate removed from 10 feet out from south line, on west line of Medford street.

GATES—RECAPITULATION.

GATES	2"	4"	6"	8"	10"	12"	14"	16"	20"	Total.
Set	3	3	22	7	11	12	2	1	—	61
Removed or Discontinued	—	—	6	4	2	1	1	—	—	14

Net increase in number of gates in 1912 47
 Total number of gates in the city December 31, 1912 1,566

FIRE HYDRANTS.**Construction—Renewal—Removal.**

- Barton street, 6-inch Walker hydrant, set 130 feet north from Broadway.
- Barton street, 6-inch Walker hydrant, set 8 feet south from Russell road.
- Broadway, 6-inch Chapman compression hydrant, set 80 feet east from Wisconsin avenue.
- Broadway, 6-inch Chapman compression hydrant, set 118 feet east from Cross street.
- Broadway, 6-inch Walker hydrant, set 9 feet west from Winter Hill circle.
- Chandler street, 6-inch Corey hydrant, set 206 feet north from Park avenue.
- Chandler street, 6-inch Chapman gate hydrant, removed from 206 feet north from Park avenue.
- Clarendon avenue, 6-inch Walker hydrant, set opposite No. 66.
- Clarendon avenue, 4-inch Bigelow hydrant, removed from opposite No. 66.
- Clark street, 6-inch Mathews hydrant, set 412 feet west from Newton street.
- Clark street, 6-inch Corey hydrant, removed from 412 feet west from Newton street.
- Dane street, 6-inch Pratt & Cady hydrant, set 42 feet north from Skehan street.
- Dane street, 6-inch Pratt & Cady hydrant, removed from 55 feet north from Skehan street.
- Dane street, 6-inch Walker hydrant, set 8 feet south from Tyler street.
- Dane street, 6-inch Holyoke gate hydrant, removed from 9 feet north from Tyler street.
- Dane street, 6-inch Mathews hydrant, set 166 feet south from Somerville avenue.
- Earle street, 6-inch Walker hydrant, set 66 feet north from Ward street.
- Hinckley street, 6-inch Mathews hydrant, set 12 feet south from Richardson street.
- Hinckley street, 6-inch Holyoke gate hydrant, removed from 12 feet south from Richardson street.
- Lowell street, 6-inch Walker hydrant, set 313 feet north from Somerville avenue.
- Medford street, 6-inch Chapman hydrant, set 172 feet south from Somerville avenue.
- Medford street, 6-inch Chapman hydrant, removed from 382 feet south from Somerville avenue.
- Medford street, 6-inch Chapman hydrant, removed from 220 feet north from Ward street.
- Moore street, 6-inch Mathews hydrant, set 22 feet south from Holland street.
- Moore street, 4-inch Boston Machine hydrant, removed from 22 feet south from Holland street.
- Myrtle street, 6-inch Mathews hydrant, set 74 feet south from Pearl street.
- Myrtle street, 6-inch Holyoke gate hydrant, removed from 74 feet south from Pearl street.
- Pennsylvania avenue, 6-inch Corey hydrant, set 258 feet north from Broadway.

- Pennsylvania avenue, 6-inch Mathews hydrant, set 36 feet west from New Hampshire avenue.
- Poplar street, 6-inch Walker hydrant, set 21 feet west from Joy street.
- Poplar street, 6-inch Holyoke gate hydrant, removed from 21 feet west from Joy street.
- Porter street, 6-inch Mathews hydrant, set 8 feet north from Parker place.
- Porter street, 6-inch Chapman hydrant, removed from 8 feet north from Parker place.
- Powder House boulevard, 6-inch Chapman compression hydrant, set 50 feet east from North street.
- Powder House Boulevard, 6-inch Chapman compression hydrant, set 597 feet east from North street.
- Prescott street, 6-inch Mathews hydrant, set 330 feet south from Highland avenue.
- Prescott street, 6-inch Holyoke compression hydrant, removed from 330 feet south from Highland avenue.
- Rhode Island avenue, 6-inch Corey hydrant, set 63 feet south from Mystic avenue.
- Rhode Island avenue, 6-inch Corey hydrant, set 80 feet north from Pennsylvania avenue.
- School street, 6-inch Walker hydrant, set 6 feet south from Montrose street.
- School street, 6-inch Chapman hydrant, removed from 6 feet south from Montrose street.
- Sunset road, 6-inch Walker hydrant, set 238 feet west from Curtis street.
- Sunset road, 6-inch Walker hydrant, set 119 feet east from Hillsdale road.
- Thorndike street, 6-inch Walker hydrant, set 82 feet north from Kingston street.
- Thorndike street, 6-inch Chapman hydrant, removed from 82 feet north from Kingston street.
- Walker street, 6-inch Walker hydrant, set 150 feet north from Broadway.
- Walker street, 6-inch Walker hydrant, set 212 feet east from Leonard street.
- Washington street, 6-inch Mathews hydrant, set 45 feet east from Beacon street.
- Washington street, 6-inch Holyoke gate hydrant, removed from 45 feet east from Beacon street.
- Washington street, 6-inch Mathews hydrant, set 243 feet east from Parker street.
- Washington street, 4-inch Boston Machine hydrant, removed from 243 feet east from Parker street.
- Winter Hill circle, 4-inch Holyoke gate hydrant, removed from 178 feet north from Broadway.
- Wisconsin avenue, 6-inch Corey hydrant, set 210 feet south from Pennsylvania avenue.

HYDRANTS—RECAPITULATION.

HYDRANTS.	4"	6"	8"	Total.
Set	—	35	—	35
Removed	4	14	—	18

Net increase in number of hydrants in 1912 17
 Total number of hydrants in the city December 31, 1912 1,099

Locations of Hydrants.

- Aberdeen road, 237 feet west from Cedar street.
 Acadia park, 186 feet north from Somerville avenue.
 Adams street, 11 feet south from Broadway.
 221 feet south from Broadway.
 250 feet north from Medford street.
 10 feet north from Medford street.
 Adrian street, 93 feet east from Marion street.
 220 feet south from Joseph street.
 Albion street, 396 feet west from Central street.
 15 feet west from Centre street.
 217 feet east from Lowell street.
 7 feet west from house No. 110.
 444 feet east from Cedar street.
 Aldersey street, 276 feet west from Walnut street.
 Allen street, 9 feet north from Charlestown street.
 45 feet west from Somerville avenue.
 323 feet west from Somerville avenue.
 Alpine street, 230 feet east from Cedar street.
 76 feet west from Princeton street.
 298 feet west from Lowell street.
 Alston street, 212 feet east from Cross street.
 10 feet west from Shawmut place.
 Ames street, 123 feet west from Central street.
 Appleton street, 3 feet east from Clifton street.
 41 feet west from Willow avenue.
 Arlington street, 36 feet east from Hathorn street.
 Arthur street, 29 feet south from Broadway.
 Ash avenue, 300 feet north from Meacham street.
 Ashland street, 7 feet south from Summer street.
 268 feet south from Summer street.
 Atherton street, 31 feet east from Spring street.
 Auburn avenue, 239 feet west from Cross street.
 481 feet west from Cross street.
 Austin street, 81 feet south from Mystic avenue.
 66 feet north from Benedict street.
 2 feet north from Broadway.
 Avon street, 233 feet east from Central street.
 572 feet west from School street.
 270 feet west from School street.
 Banks street, 310 feet south from Summer street.
 Bartlett street (Ward 1), 130 feet south from Washington street.
 Bartlett street (Ward 5), 230 feet south from Broadway.
 223 feet north from Medford street.
 15 feet south from Ames street.
 10 feet south from Robinson street.
 Barton street, 130 feet north from Broadway.
 8 feet south from Russell road.
 Bay State avenue, 39 feet south from Broadway.
 7 feet south from Mallet street.
 92 feet north from Kidder avenue.
 Beacon street, 316 feet west from Greenwood terrace.
 10 feet east from Stanford terrace.
 46 feet west from Sacramento street.
 40 feet east from Sacramento street.
 2 feet west from Beckwith circle.
 15 feet west from Kent street.
 4 feet west from Ivaloo street.
 68 feet east from Park street.

- Beacon street, 18 feet east from Durham street.
26 feet east from Washington street.
79 feet west from Calvin street.
8 feet west from Waldo avenue.
28 feet west from Buckingham street.
208 feet east from Buckingham street.
6 feet east from Concord avenue.
- Beech street, 4 feet south from Atherton street.
- Belknap street, 63 feet north from Broadway.
80 feet south from Russell road.
- Belmont street, 206 feet north from Spring Hill terrace.
241 feet north from Summer street.
243 feet south from Summer street.
10 feet north from Belmont place.
222 feet south from Belmont place.
185 feet north from Somerville avenue.
- Benedict street, 33 feet east from Mystic street.
- Bennett street, 166 feet east from Prospect street.
- Benton road, 2 feet north from Cambria street.
28 feet south from Highland avenue.
- Berkeley street, 8 feet east from Central street.
150 feet east from Hersey street.
28 feet west from School street.
212 feet west from Hersey street.
- Billingham street, 126 feet north from William street.
- Blakeley avenue, 13 feet east from Fellsway East.
- Bolton street, 203 feet north from Houghton street.
3 feet south from Oak street.
- Bonair street, 26 feet west from Cross street.
90 feet east from Autumn street.
121 feet east from Arthur street.
67 feet east from Dana street.
Opposite Melvin street.
117 feet east from Walnut street.
- Bond street, 63 feet south from Jaques street.
- Bonner avenue, 171 feet north from Washington street.
- Boston avenue, 110 feet south from bridge over Mystic river.
492 feet north from Gove street, Medford.
65 feet north from Highland road.
23 feet east from Pearson avenue.
289 feet north from Morrison avenue.
- Boston street, 11 feet west from Prospect Hill avenue.
207 feet west from Bigelow street.
87 feet east from Bigelow street.
6 feet north from Munroe street.
- Bow street, 102 feet north from Warren avenue.
23 feet west from Wesley park.
25 feet east from Bow-street place.
74 feet north from Walnut street.
- Bow-street place, 193 feet west from Bow street.
- Bowdoin street, 65 feet north from Fremont avenue.
- Bradley street, 26 feet south from Veazie street.
- Brastow avenue, 202 feet east from Porter street.
115 feet west from Lowell street.
- Broadway, 50 feet east from Mt. Pleasant street.
20 feet west from George street.
21 feet west from Broadway place.
83 feet east from Cutter street.
7 feet east from Glen street.
80 feet east from Wisconsin avenue.

- Broadway, 21 feet east from Rush street.
 118 feet east from Cross street.
 15 feet west from Cross street.
 7 feet west from Autumn street.
 6 feet west from Montgomery avenue.
 33 feet west from Walnut street.
 4 feet east from Sargent avenue.
 3 feet west from Melvin street.
 157 feet west from Grant street.
 117 feet east from Marshall street.
 62 feet west from Marshall street.
 4 feet west from School street.
 9 feet west from Winter Hill circle.
 10 feet west from Thurston street.
 209 feet east from Central street.
 104 feet west from Norwood avenue.
 15 feet west from City road.
 288 feet east from Cedar street.
 Opposite Cedar street.
 5 feet east from Wilson avenue.
 252 feet west from Wilson avenue.
 115 feet west from Rogers avenue.
 236 feet west from Liberty avenue.
 175 feet west from College avenue.
 6 feet west from Billingham street.
 9 feet west from Packard avenue.
 32 feet east from Westminster street.
 237 feet east from Endicott avenue.
 6 feet west from Endicott avenue.
 9 feet west from Garrison avenue.
 330 feet west from Waterhouse street.
- Broadway park, near the pond.
- Bromfield road, 179 feet north from Warner street.
 567 feet north from Warner street.
 267 feet south from Dearborn road.
- Brook street, 18 feet west from Rush street.
- Browning road, 302 feet west from Sycamore street.
 136 feet east from Central street.
- Buckingham street, 2 feet south from Dimick street.
- Burnside avenue, 259 feet north from Elm street.
 120 feet south from Summer street.
- Calvin street, 186 feet south from Beacon street.
- Cambria street, 131 feet west from Central street.
- Cameron avenue, 166 feet south from Holland street.
 Opposite Mead street.
 26 feet south from Glendale avenue.
- Campbell park, 258 feet west from Meacham road.
- Cedar street, 226 feet south from Sartwell avenue.
 98 feet north from Sartwell avenue.
 61 feet north from Hall street.
 22 feet south from Highland avenue.
 12 feet north from Highland avenue.
 10 feet north from Albion street.
 124 feet south from Warwick street.
 50 feet north from Clyde street.
 24 feet south from Murdock street.
 270 feet south from Broadway.
- Central street, 50 feet south from Broadway.
 6 feet north from Forster street.
 27 feet north from Vernon street.

- Central street, 5 feet north from Pembroke street.
 187 feet south from Vernon street.
 9 feet north from Willoughby street.
 92 feet north from Highland avenue.
 9 feet south from Highland avenue.
 6 feet north from Oxford street.
 23 feet south from Avon street.
 14 feet south from Summer street.
- Chandler street, 16 feet south from Broadway.
 206 feet north from Park avenue.
- Chapel street, 14 feet east from Chandler street.
- Charles street, 183 feet south from Washington street.
- Charnwood road, 79 feet west from Hancock street.
- Cherry street, 7 feet south from Sartwell avenue.
 254 feet north from Sartwell avenue.
 252 feet north from Summer street.
 26 feet south from Highland avenue.
- Chester street, 15 feet north from Chester place.
- Chestnut street, 480 feet south from Poplar street.
 246 feet south from Poplar street.
- Chetwynd road, 236 feet west from Curtis street.
- Church street, 9 feet south from Summer street.
 300 feet south from Summer street.
 16 feet south from Somerville avenue.
 29 feet north from Somerville avenue.
 12 feet north from Lake street.
- City Road, 70 feet north from Sumner street.
 67 feet south from Roberts street.
- Claremon street, 255 feet south from Holland street.
- Clarendon avenue, 253 feet south from Broadway.
 Opposite house No. 66.
 Near Cambridge line.
- Clark street, 15 feet north from Newton street.
 200 feet north from Newton street.
 412 feet north from Newton street.
- Cleveland street, 192 feet west from Central street.
- Clyde street, 250 feet east from Cedar street.
 Opposite Murdock street.
- College avenue, 12 feet north from Winter street.
 6 feet south from Morrison avenue.
 8 feet south from Hall avenue.
 53 feet west from Francesca avenue.
 Opposite Kenwood street.
 100 feet west from Broadway.
 405 feet north from Broadway.
 720 feet north from Broadway.
- Columbia street, 3 feet south from Beach avenue.
 8 feet south from Columbia court.
- Columbus avenue, 7 feet north from Washington street.
 150 feet east from Bonner avenue.
 118 feet west from Bonner avenue.
 35 feet west from Stone avenue.
 8 feet east from Walnut street.
- Concord avenue, 154 feet west from Prospect street.
 76 feet east from Concord square.
 On east line of Knapp school.
 313 feet east from Springfield street.
 24 feet east from Springfield street.
 7 feet east from Marion street.
 6 feet south from Hammond street.
 20 feet east from Wyatt street.

- Conlon-court extension, 138 feet west from Windsor street.
Conwell avenue, 20 feet west from Curtis street.
 460 feet west from Curtis street.
 29 feet west from Hillsdale road.
 9 feet east from North street.
 336 feet east from North street.
Conwell street, 6 feet south from Highland avenue.
 3 feet north from Francis street.
Cooney street, 98 feet north from Line street.
Cottage avenue, 206 feet west from Russell street.
Craigie street, 216 feet south from Summer street.
 232 feet north from Kimball street.
 77 feet south from Kimball street.
 126 feet north from Somerville avenue.
Crescent street, 125 feet south from Pearl street.
Crocker street, 4 feet south from Highland avenue.
 8 feet north from Crown street.
Cross street, 32 feet north from Cross-street place.
 6 feet north from Pearl street.
 62 feet north from Flint street.
 16 feet north from Gilman street.
 13 feet south from Auburn avenue.
 39 feet north from Alston street.
Curtis avenue, 206 feet west from Curtis street.
Curtis street, 6 feet north from Broadway.
 3 feet south from Electric avenue.
 137 feet north from Ware street.
 3 feet south from Raymond avenue.
 34 feet south from Professors row.
 225 feet north from Professors row.
Cutter avenue, 11 feet south from Highland avenue.
Cutter square, 95 feet west from Cutter avenue.
Cutter street, 95 feet south from Broadway.
 444 feet south from Broadway.
Cypress street, 114 feet west from Central street.
Dana street, 18 feet north from Pearl street.
Dane avenue, 162 feet west from Leland street.
 169 feet east from Dane street.
Dane street, 166 feet south from Somerville avenue.
 8 feet south from Tyler street.
 42 feet north from Skehan street.
 260 feet south from Skehan street.
Dartmouth street, 184 feet south from Broadway.
 200 feet north from Evergreen avenue.
 53 feet south from Evergreen avenue.
 171 feet north from Medford street.
Davis square, 45 feet east from Day street.
Day street, 10 feet south from Davis square.
 Opposite Herbert street.
 195 feet south from Herbert street.
 4 feet north from Orchard street.
Delaware street, 246 feet east from Aldrich street.
 8 feet south from Pearl street.
Dell street, 255 feet west from Glen street.
Derby street, 400 feet east from Temple street.
Dickinson street, 20 feet east from Beacon street.
 7 feet north from Leon street.
Dickson street, 119 feet south from Fairmount avenue.
Dover street, 22 feet south from Davis square.
 203 feet south from Davis square.

- Dover street, 312 feet north from Orchard street.
3 feet north from Orchard street.
- Durham street, opposite Skehan street.
5 feet west from Hanson street.
- Earle street, 1 foot south from Ward street.
66 feet north from Ward street.
- Eastman road, 279 feet south from Highland avenue.
- Edgar avenue, 156 feet north from Heath street.
38 feet south from Heath street.
- Edmands street, 15 feet south from Broadway.
- Electric avenue, 160 feet west from Mason street.
- Eliot street, 3 feet east from Park street.
- Ellsworth street, 7 feet west from Rush street.
- Elm street, 59 feet west from Craigie street.
17 feet west from Porter street.
28 feet east from Linden avenue.
11 feet east from Mossland street.
9 feet west from Cedar street.
153 feet east from Cherry street.
110 feet west from Cherry street.
14 feet east from Burnside avenue.
104 feet east from Willow avenue.
20 feet east from St. James avenue.
9 feet west from Elston street.
90 feet west from Windom street.
30 feet west from Russell street.
11 feet west from Grove street.
82 feet west from Chester street.
- Elmwood street, 9 feet south from Holland street.
300 feet east from Harrison street.
85 feet west from Harrison street.
- Emerson street, 13 feet north from Newton street.
- Endicott avenue, 422 feet south from Broadway.
- Everett avenue, 5 feet west from Cross street.
9 feet east from Dana street.
449 feet west from Cross street.
- Everett street, 149 feet west from Newton street.
15 feet east from Webster avenue.
- Evergreen avenue, 8 feet east from School street.
114 feet east from Sycamore street.
- Fairlee street, 134 feet west from Cherry street.
- Fairmount avenue, 280 feet west from Curtis street.
Opposite Watson street.
- Farragut avenue, 258 feet south from Broadway.
537 feet south from Broadway.
- Fellsway East, 68 feet north from Broadway.
- Fellsway West, 11 feet north from Broadway.
437 feet south from Mystic avenue.
- Fenwick street, 40 feet north from Broadway.
- Fisk avenue, 120 feet east from Hinckley street.
- Fitchburg street, 395 feet east from Linwood street.
- Flint street, 18 feet east from Flint avenue.
59 feet east from Cross street.
30 feet west from Franklin street.
- Florence street, 206 feet south from Perkins street.
7 feet south from Pearl street.
453 feet north from Washington street.
- Forster street, opposite Tennyson street.
- Fosket street, 6 feet west from Bay State avenue.
- Fountain avenue, 280 feet west from Glen street.

- Francesca avenue, 305 feet east from College avenue.
7 feet west from Liberty avenue.
- Franklin street, 14 feet north from Arlington street.
55 feet north from Perkins street.
76 feet south from Webster street.
156 feet south from Pearl street.
80 feet south from Oliver street.
87 feet south from Palmer avenue.
29 feet north from Washington street.
- Fremont street, 82 feet north from Main street.
343 feet north from Main street.
Opposite Meacham street.
287 feet north from Meacham street.
25 feet north from East Albion street.
- Garden court, 357 feet south from Somerville avenue.
- Garfield avenue, 7 feet north from Broadway.
24 feet south from Mystic avenue.
- Garrison avenue, 235 feet south from Broadway.
- Gibbens street, 202 feet west from Central street.
129 feet west from Benton road.
- Gilman square, opposite Marshall street.
- Gilman street, 103 feet east from Walnut street.
143 feet east from Jasper street.
8 feet west from Aldrich street.
176 feet east from Aldrich street.
295 feet west from Cross street.
- Glass-house court, 360 feet west from Water street.
- Glen street, 147 feet south from Broadway.
8 feet north from Brook street.
6 feet north from Webster street.
1 foot north from Flint street.
11 feet north from Fountain avenue.
- Glendale avenue, 80 feet west from Cameron avenue.
8 feet east from Yorktown street.
- Glenwood road, 224 feet south from Broadway.
16 feet north from Vernon street.
320 feet north from Vernon street.
467 feet north from Vernon street.
- Gorham street, 310 feet south from Holland street.
67 feet north from Howard street.
- Grand View avenue, 286 feet east from Vinal avenue.
- Granite street, 178 feet north from Somerville avenue.
- Grant street, 99 feet south from Mystic avenue.
2 feet north from Derby street.
- Greene street, 295 feet south from Summer street.
- Greenville street, 148 feet north from Boston street.
33 feet north from Munroe street.
- Grove street, 163 feet south from Highland avenue.
- Hall avenue, 310 feet east from College avenue.
306 feet west from Liberty avenue.
9 feet west from Liberty avenue.
- Hall street, 269 feet west from Cedar street.
- Hamlet street, 321 feet south from Highland avenue.
- Hammond street, 30 feet west from Dickinson street.
- Hancock street, 258 feet south from Summer street.
- Hanson street, 12 feet south from Village street.
9 feet south from Nevada avenue.
6 feet south from Skehan street.
- Harold street, 42 feet north from Dinick street.
- Harrison street, 77 feet east from Kent street.

- Harrison street (Ward 7), 4 feet east from Elmwood street.
 Harvard street, 13 feet north from Atherton street.
 23 feet north from Harvard place.
 Hathorn street, 145 feet south from Broadway.
 Hawkins street, 50 feet north from Lake street.
 Hawthorne street, 8 feet east from Cutter avenue.
 209 feet east from West street.
 Heath street, 3 feet west from Temple street.
 308 feet west from Langmaid avenue.
 100 feet west from Bond street.
 4 feet east from Fenwick street.
 5 feet east from Moreland street.
 Henderson street, 107 feet north from Wilton street.
 Herbert street, 163 feet west from Chester street.
 Highland avenue, 28 feet west from Hamlet street.
 5 feet east from Walnut street.
 262 feet west from Walnut street.
 80 feet east from Vinal avenue.
 41 feet west from Putnam street.
 75 feet west from Prescott street.
 114 feet west from School street.
 410 feet west from School street.
 112 feet west from Trull lane.
 171 feet east from Central street.
 214 feet east from Spring Hill terrace.
 23 feet west from Spring Hill terrace.
 20 feet west from Belmont street.
 4 feet east from Tower street.
 2 feet east from Porter street.
 212 feet east from Cedar street.
 63 feet east from Cherry street.
 35 feet east from Hancock street.
 4 feet west from Hancock street.
 44 feet east from Willow avenue.
 3 feet west from Willow avenue.
 59 feet east from West street.
 36 feet west from West street.
 36 feet east from Grove street.
 6 feet west from Grove street.
 218 feet west from Grove street.
 64 feet east from Davis square.
 Highland road, 264 feet north from Morrison avenue.
 83 feet south from Frederick avenue.
 175 feet north from Frederick avenue.
 221 feet south from Boston avenue.
 Hinckley street, 12 feet south from Richardson street.
 106 feet south from Broadway.
 Holland street, 39 feet north from Dover street.
 193 feet south from Winter street.
 136 feet south from Buena Vista road.
 5 feet south from Jay street.
 3 feet south from Paulina street.
 94 feet south from Claremon street.
 Holyoke road (E.), 167 feet south from Elm street.
 Holyoke road (W.), 185 feet south from Elm street.
 Homer square, 200 feet west from Bonner avenue.
 Hoaghton street, 82 feet west from Prospect street.
 3 feet west from Bolton street.
 10 feet west from Oak street.
 Howard street, 36 feet west from Thorndike street.

- Howe street, 162 feet east from School street.
Hudson street, 12 feet east from Waldo street.
 Opposite Benton road.
 294 feet east from Lowell street.
 10 feet west from Lowell street.
 362 feet west from Lowell street.
 675 feet west from Lowell street.
 364 feet east from Cedar street.
 24 feet east from Cedar street.
- Ibbetson street, 256 feet north from Somerville avenue.
 6 feet south from Kimball street.
- Irving street, 6 feet south from Broadway.
 285 feet south from Broadway.
 542 feet north from Holland street.
 190 feet north from Holland street.
- James street, 100 feet north from Pearl street.
- Jaques street, 10 feet west from Fellsway West.
 8 feet west from Grant street.
 360 feet east from Temple street.
 185 feet west from Temple street.
 410 feet east from Bond street.
- Jasper street, 5 feet south from Virginia street.
- Jay street, 82 feet north from Howard street.
- Joseph street, 100 feet west from Adrian street.
- Josephine avenue, 397 feet north from Morrison avenue.
 90 feet south from Frederick avenue.
 129 feet north from Frederick avenue.
 425 feet north from Frederick avenue.
 213 feet south from Broadway.
- Joy street, 34 feet south from Washington street.
 502 feet south from Washington street.
 271 feet north from Poplar street.
- Kenneson road, 12 feet south from Broadway.
- Kensington avenue, 6 feet north from Broadway.
 316 feet north from Broadway.
- Kent court, 205 feet west from Kent street.
- Kent street, 38 feet south from Somerville avenue.
 7 feet north from Kent court.
- Kidder avenue, 346 feet east from College avenue.
- Kilby street, 174 feet south from Somerville avenue.
- Kingman road, 282 feet south from Washington street.
- Kingston street, 95 feet west from Thorndike street.
- Knowlton street, opposite Morton street.
- Lake street, 220 feet west from Hawkins street.
 4 feet east from Carlton street.
- Langmaid avenue, 2 feet north from Broadway.
- Laurel street, 50 feet north from Greene street.
 8 feet north from Park place.
- Leland street, 14 feet south from Dane avenue.
- Lesley avenue, 57 feet north from Highland avenue.
- Lexington avenue, 244 feet west from Cedar street.
 200 feet east from Hancock street.
 3 feet west from Hancock street.
 4 feet east from Henry avenue.
- Liberty avenue, 3 feet north from Kidder avenue.
 207 feet south from Mallet street.
 12 feet north from Mallet street.
 13 feet south from Broadway.
- Lincoln avenue, 206 feet west from Mt. Vernon street.
- Lincoln parkway, 150 feet west from Joseph street.

- Lincoln parkway, 290 feet east from Wyatt street.
Lincoln street, 38 feet south from Broadway.
174 feet north from Perkins street.
- Linden avenue, 118 feet south from Gilson terrace.
255 feet south from Olive avenue.
30 feet north from Olive avenue.
- Linden street, 31 feet north from Charlestown street.
237 feet south from Somerville avenue.
- Line street, 100 feet north from Smith avenue.
272 feet north from Cooney street.
100 feet south from Cooney street.
400 feet south from Cooney street.
- Linwood street, 385 feet south from Washington street.
12 feet north from Linwood terrace.
48 feet south from Lamson court.
125 feet north from London street.
52 feet south from London street.
2 feet south from Linwood place.
- London street, 383 feet east from Linwood street.
- Loring street, 276 feet north from Somerville avenue.
- Lovell street, 41 feet south from Electric avenue.
- Lowden avenue, 85 feet south from Broadway.
8 feet south from Mallet street.
178 feet north from Kidder avenue.
27 feet south from Kidder avenue.
- Lowell street, 1 foot north from Fisk avenue.
50 feet north from Richardson street.
183 feet south from Richardson street.
124 feet south from Wilton street.
Opposite Vernon street.
8 feet north from Albion street.
163 feet south from Highland avenue.
53 feet north from Crown street.
351 feet south from Summer street.
16 feet north from Kimball street.
313 feet north from Somerville avenue
- Madison street, 103 feet west from School street.
467 feet west from School street.
- Main street, junction with Broadway.
112 feet west from Mt. Vernon avenue.
5 feet west from Moreland street.
- Malloy court, 16 feet south from Somerville avenue.
- Malvern avenue, 146 feet west from Cameron avenue.
7 feet east from Yorktown street.
- Mansfield street, 190 feet north from Somerville avenue.
189 feet south from Washington street.
- Maple avenue, 294 feet east from School street.
- Maple street, 7 feet south from Jackson street.
87 feet north from Poplar street.
- Marion street, 31 feet south from Adrian street.
74 feet north from Wyatt street.
177 feet south from Wyatt street.
40 feet east from Dimick street.
- Marshall street, 80 feet south from Stickney avenue.
30 feet north from Stickney avenue.
Opposite Howe street.
5 feet north from Evergreen avenue.
104 feet south from Mortimer place.
109 feet north from Oakland avenue.

- Meacham road, 4 feet north from Orchard street.
 97 feet north from Kingston street.
 326 feet east from Lester terrace.
- Meacham street, 14 feet west from Moreland street.
- Mead street, 48 feet east from Claremon street.
- Medford street, 50 feet north from Hennessey court.
 56 feet north from Lowell street.
 14 feet north from Glenwood road.
 16 feet south from Bartlett street.
 6 feet north from Central street.
 19 feet south from Sycamore street.
 15 feet south from Lee street.
 46 feet south from Thurston street.
 5 feet north from School street.
 171 feet north from Marshall street.
 266 feet north from Walnut street.
 3 feet east from Walnut street.
 291 feet south from Walnut street.
 8 feet south from Greenville street.
 13 feet north from Prospect Hill avenue.
 240 feet south from Prospect Hill avenue.
 Opposite Chester avenue.
 216 feet south from Washington street.
 69 feet north from Maple street. -
 21 feet north from Somerville avenue.
 172 feet south from Somerville avenue.
 41 feet north from Ward street.
 91 feet south from Ward street.
 46 feet south from South street.
 17 feet south from Warren street.
 220 feet south from Warren street.
- Melrose street, 610 feet north from Mystic avenue.
- Merriam street, 160 feet south from Washington 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 Ivaloō street.
- Monmouth street, 7 feet west from Central street.
 156 feet east from Harvard street.
- Montrose street, 10 feet east from Sycamore street.
 287 feet east from Sycamore street.
 259 feet west from School street.
- Moore street, 22 feet south from Holland street.
 335 feet south from Holland street.
 21 feet north from Mead street.
- Moreland street, 345 feet north from Meacham street.
 3 feet south from East Albion street.
- Morgan street, 125 feet west from Park street.
- Morrison avenue, 124 feet west from Cedar street.
 44 feet east from Pearson avenue.
 124 feet east from Rogers avenue.
 13 feet west from Newberne street.
 183 feet west from Clifton street.
 33 feet west from Grove street.
- Mossland street, 114 feet north from Somerville avenue.
- Mt. Pleasant street, 140 feet south from Broadway.
 135 feet north from Perkins street.
- Mt. Vernon street, 246 feet north from Washington street.
 8 feet north from Pearl street.
 7 feet south from Perkins street.

- Mt. Vernon street, 11 feet south from Lincoln avenue.
5 feet south from Broadway.
- Munroe street, 203 feet east from Walnut street.
6 feet west from Bigelow street.
289 feet west from Boston street.
- Murdock street, 204 feet east from Cedar street.
610 feet east from Cedar street.
- Museum street, 174 feet west from Beacon street.
- Myrtle street, 218 feet north from Washington street.
460 feet north from Washington street.
74 feet south from Pearl street.
219 feet north from Pearl street.
- Mystic avenue, 90 feet east from Union street.
3 feet west from Union street.
438 feet east from Austin street.
115 feet east from Austin street.
11 feet west from Fellsway West.
60 feet west from Temple street.
25 feet east from Melrose street.
228 feet west from Melrose street.
800 feet east from Moreland street.
544 feet east from Moreland street.
241 feet east from Moreland street.
6 feet west from Moreland street.
125 feet west from Fremont street.
- Mystic street, 148 feet north from Benedict street.
- Nashua street, 190 feet south from Wilton street.
- Newberne street, 62 feet south from Morrison avenue
- Newbury street, 15 feet south from Holland street.
260 feet south from Holland street.
558 feet south from Holland street.
777 feet south from Holland street.
200 feet north from Cambridge line.
- New Cross street, 114 feet north from Broadway.
- Newton street, 9 feet west from Joseph street.
- Norfolk street, 27 feet south from Webster avenue.
227 feet south from Webster avenue.
- North street, 18 feet north from Broadway.
13 feet north from south line of Russell road.
453 feet north from Raymond avenue.
190 feet north from city bound No. 17.
- North Union street, 237 feet north from Mystic avenue.
- Oak street, 8 feet west from Prospect street.
315 feet north from Houghton street.
- Oakland avenue, 109 feet west from Marshall street.
- Oliver street, 191 feet east from Cross street.
15 feet east from Glen street.
7 feet west from Franklin street.
- Orchard street, 8 feet west from Russell street.
West corner Milton street.
9 feet east from Chester street.
- Ossipee road, 177 feet east from Curtis street.
139 feet west from Packard avenue.
246 feet east from Packard avenue.
44 feet west from Mason street.
- Otis street, 12 feet west from Cross street.
440 feet west from Cross street.
9 feet east from Dana street.
6 feet east from Wigglesworth street.
- Oxford street, 280 feet west from School street.

- Oxford street, 46 feet east from Trull lane.
237 feet west from Hersey street.
- Packard avenue, 164 feet south from Electric avenue.
34 feet north from Electric avenue.
35 feet south from Powder House boulevard.
- Park avenue, 83 feet west from College avenue.
10 feet west from Chandler street.
- Park street, opposite Allen court.
187 feet north from Beacon street.
69 feet south from Somerville avenue.
- Partridge avenue, 5 feet south from Broadway.
26 feet north from Medford street.
117 feet south from Medford street.
421 feet south from Medford street.
276 feet north from Vernon street.
- Paulina street, 184 feet north from Holland street.
288 feet south from Broadway.
5 feet south from Broadway.
- Pearl street, 50 feet west from Crescent street.
7 feet north from Pinckney street.
29 feet east from Franklin street.
Opposite Hillside avenue.
15 feet west from Glen street.
90 feet east from Cross street.
3 feet east from Pearl terrace.
6 feet west from Walnut street.
72 feet east from Bradley street.
110 feet east from Marshall street.
- Pearson avenue, 309 feet north from Morrison avenue.
44 feet south from Frederick avenue.
308 feet north from Frederick avenue.
- Pearson road, 127 feet north from Broadway.
81 feet north from Warner street.
344 feet north from Warner street.
436 feet south from Dearborn road.
131 feet south from Dearborn road.
- Pembroke street, 14 feet east from Tennyson street.
- Pennsylvania avenue, 258 feet north from Broadway.
36 feet west from New Hampshire avenue.
- Perkins street, opposite Myrtle street.
78 feet east from Florence street.
24 feet east from Pinckney street.
56 feet east from Perkins place.
21 feet east from Mt. Pleasant street.
- Perry street, 324 feet south from Washington street.
- Pinckney street, 11 feet north from Washington street.
330 feet south from Pearl street.
71 feet south from Pearl street.
203 feet north from Pearl street.
- Pitman street, 180 feet west from Beech street.
- Pleasant avenue, 256 feet west from Walnut street.
- Poplar street, 21 feet west from Joy street.
22 feet east from Linwood street.
- Porter street, 1 foot north from Mountain avenue.
282 feet south from Summer street.
24 feet north from Williams court.
8 feet north from Parker place.
- Powder House boulevard, 133 feet northwest from Broadway.
560 feet northwest from Broadway.
319 feet east from Packard avenue.

- Powder House boulevard, 191 feet west from Packard avenue.
 172 feet east from Curtis street.
 197 feet west from Curtis street.
 528 feet west from Curtis street.
 597 feet east from North street.
 50 feet east from North street.
- Prescott street, 330 feet south from Highland avenue.
 586 feet south from Highland avenue.
 257 feet north from Summer street.
- Preston road, 269 feet west from School street.
 166 feet south from Summer street.
- Prichard avenue, 255 feet north from Morrison avenue.
 46 feet north from Frederick avenue.
 168 feet south from Boston avenue.
- Princeton street, 175 feet west from Lowell street.
- Professors row, 39 feet east from College avenue.
 158 feet west from Boston avenue.
 126 feet west from College avenue.
 291 feet west from College avenue.
 548 feet east from Packard avenue.
 156 feet east from Packard avenue.
 3 feet west from Packard avenue.
 296 feet west from Packard avenue.
 113 feet east from Curtis street.
- Prospect street, 135 feet north from Bennett street.
 7 feet west from Webster avenue.
 185 feet south from Oak street.
 403 feet south from Oak street.
 63 feet north from Houghton street.
- Prospect Hill avenue, 10 feet north from Munroe street
- Putnam street, 116 feet south from Highland avenue.
 420 feet south from Highland avenue.
 612 feet north from Summer street.
 308 feet north from Summer street.
 46 feet north from Summer street.
- Quincy street, 91 feet north from Somerville avenue.
 381 feet north from Somerville avenue.
 26 feet south from Summer street.
- Raymond avenue, 728 feet west from Curtis street.
- Rhode Island avenue, 63 feet south from Mystic avenue.
 80 feet north from Pennsylvania avenue.
- Richardson street, 11 feet west from Nashua street.
- Richdale avenue, opposite Thurston street.
- Robinson street, 325 feet west from Central street.
- Rogers avenue, 369 feet south from Broadway.
 257 feet north from Frederick avenue.
 88 feet south from Frederick avenue.
 255 feet north from Morrison avenue.
- Rossmore street, 244 feet south from Washington street.
- Rush street, 84 feet south from Pearl street.
 11 feet north from Pearl street.
 128 feet north from Brook street.
- Russell road, 11 feet north from Broadway.
 312 feet north from Broadway.
- Sacramento street, 5 feet south from Miller street.
 123 feet south from Beacon street.
- Sanborn avenue, 55 feet east from Walnut street.
- Sargent avenue, 474 feet south from Broadway.
 361 feet west from Walnut street.
 95 feet west from Walnut street.

- Sawyer avenue, 25 feet west from Packard avenue.
- School street, 31 feet south from Oakland avenue.
 100 feet south from Maple avenue.
 6 feet south from Montrose street.
 128 feet north from Highland avenue.
 88 feet north from Oxford street.
 15 feet north from Avon street.
 100 feet south from Summer street.
 93 feet south from Preston road.
 61 feet north from Knapp street.
- Sewall street, 311 feet west from Grant street.
- Shawmut street, 9 feet west from Washington street.
 153 feet west from Shawmut place.
- Simpson avenue, 272 feet south from Broadway.
 142 feet north from Holland street.
- Skehan street, 110 feet east from Hanson street.
- Skilton avenue, on east entrance, 173 feet south from south line of Pearl street.
- Somerville avenue, 96 feet west from Acadia park.
 188 feet west from Mossland street.
 308 feet east from Mossland street.
 600 feet east from Mossland street.
 116 feet west from Elm street.
 9 feet east from Ibbetson street.
 77 feet east from Belmont street.
 14 feet west from Garden court.
 133 feet west from Kent street.
 13 feet west from Beech street.
 11 feet east from Central street.
 2 feet west from Abdell street.
 15 feet west from Laurel street.
 86 feet west from Granite street.
 100 feet east from Granite street.
 76 feet east from Hawkins street.
 185 feet west from Hawkins street.
 88 feet west from Quincy street.
 105 feet east from Carlton street.
 90 feet west from Prospect street.
 28 feet west from Linden street.
 9 feet east from Mystic street.
 94 feet west from Mansfield street.
 126 feet east from Medford street.
 88 feet east from Poplar street.
 145 feet west from Congress place.
 13 feet east from Congress place on north side.
 313 feet east from Congress place on south side.
 882 feet west from East Cambridge line on south side, low level, under steps.
 803 feet west from East Cambridge line on south side, high level, near bridge.
 670 feet west from East Cambridge line on south side, high level.
 650 feet west from East Cambridge line on north side, low level.
 312 feet west from East Cambridge line.
 215 feet west from East Cambridge line.
 100 feet west from Cambridge line.
- South street, 97 feet west from Bedford street.
 2 feet east from Harding street.
 25 feet west from Hunting street.
 80 feet west from Willow place.

- Spencer avenue, 290 feet west from Cedar street.
63 feet east from Hancock street.
- Spring street, 10 feet south from Pitman street.
184 feet north from Atherton street.
- Spring Hill terrace, 333 feet south from Highland avenue.
- Springfield street, 140 feet south from Concord avenue.
21 feet south from Dickinson street.
177 feet south from Houghton street.
- Stickney avenue, 212 feet west from Marshall street.
- Stone avenue, 120 feet north from Union square.
275 feet south from Columbus avenue.
- Summer street, 148 feet east from Cutter avenue.
Opposite Elston street.
West corner Hancock street.
34 feet east from Banks street.
6 feet east from Cherry street.
6 feet east from Cedar street.
24 feet east from Linden avenue.
Opposite Craigie street.
35 feet east from Porter street.
4 feet east from Lowell street.
3 feet east from Belmont street.
1 foot west from Spring street.
53 feet west from Harvard street.
215 feet east from Harvard street.
59 feet east from Central street.
19 feet west from Laurel street.
52 feet west from Preston road.
191 feet west from School street.
8 feet east from School street.
- Summit avenue, 231 feet east from Vinal avenue.
- Sunnyside avenue, 99 feet west from Wigglesworth street.
- Sunset road, 238 feet west from Curtis street.
119 feet east from Hillsdale road.
- Sycamore street, 18 feet south from Broadway.
62 feet south from Browning road.
1 foot south from Forster street.
200 feet north from Medford street.
174 feet south from Medford street.
- Sydney street, 418 feet east from Temple street.
- Talbot avenue, 488 feet east from Packard avenue.
- Taylor street, 14 feet south from Mystic avenue.
- Teele avenue, 174 feet west from Packard avenue.
201 feet east from Curtis street.
- Temple street, 4 feet north from Broadway.
123 feet south from Sewall street.
11 feet north from Jaques street.
6 feet south from Derby street.
5 feet south from Sydney street.
- Tenney court, 306 feet north from Mystic avenue.
- Tennyson street, 4 feet south from Medford street.
117 feet north from Pembroke street.
- Thorndike street, 4 feet south from Holland street.
82 feet north from Kingston street.
- Thorpe street, 269 feet south from Highland avenue.
- Thurston street, 187 feet north from Medford street.
160 feet south from Evergreen avenue.
6 feet north from Evergreen avenue.
348 feet north from Evergreen avenue.
- Tower street, 18 feet north from Crown street.

- Tremont street, 9 feet south from Webster avenue.
454 feet south from Webster avenue.
- Trull street, 3 feet south from Medford street.
276 feet south from Medford street.
522 feet north from Vernon street.
270 feet north from Vernon street.
- Tufts street, 51 feet north from Washington street.
150 feet south from Glen street.
43 feet north from Glen street.
53 feet south from Dell street.
45 feet south from Cross street.
- Tyler street, 31 feet east from Vine street.
- Union square, 267 feet east from Webster avenue.
15 feet east from Stone avenue.
3 feet west from Bow street.
Centre of square.
- Union street, 3 feet north from Broadway.
123 feet south from Mystic avenue.
- Veazie street, 1 foot west from James street.
- Vernon street, 72 feet west from Partridge avenue.
1 foot east from Bartlett street.
2 feet east from Miner street.
48 feet west from Central street.
- Victoria street, 255 feet south from Broadway.
506 feet south from Broadway.
151 feet north from Woodstock street.
- Villa avenue, 121 feet south from Winslow avenue.
- Vinal avenue, 6 feet south from Highland avenue.
10 feet north from Pleasant avenue.
129 feet north from Aldersey street.
206 feet north from Summer street.
15 feet north from Summer street.
- Vine street, 15 feet north from Beacon street.
Opposite Eliot street.
121 feet south from Tyler street.
32 feet south from Somerville avenue.
- Virginia street, 45 feet west from Aldrich street.
- Waldo street, 6 feet north from Highland avenue.
- Walker street, 150 feet north from Broadway.
212 feet east from Leonard street.
- Wallace street, 37 feet south from Broadway.
395 feet south from Broadway.
483 feet north from Park avenue.
166 feet north from Park avenue.
10 feet north from Holland street.
- Walnut road, 268 feet west from Walnut street.
- Walnut street, 88 feet south from Wellington avenue.
Opposite Veazie street.
87 feet north from Gilman street.
31 feet north from Pleasant avenue.
12 feet south from Boston street.
- Walter street, 28 feet west from Walnut street.
50 feet west from Bradley street.
- Ward street, 104 feet west from Medford street.
7 feet east from Emery street.
- Ware street, 258 feet west from Curtis street.
638 feet west from Curtis street.
- Warner street, 60 feet north from Broadway.
- Warren avenue, 5 feet north from Sanborn avenue.

- Warren avenue, 48 feet north from Bow street.
 7 feet south from Columbus avenue.
- Warwick place, 142 feet north from Warwick street.
- Warwick street, 426 feet east from Cedar street.
- Washington street, 69 feet west from Crescent street.
 3 feet west from Waverley street.
 West corner Mt. Vernon street.
 3 feet west from Murray street.
 6 feet west from Florence street.
 15 feet west from Myrtle street.
 2 feet east from Bartlett street.
 18 feet east from Franklin avenue.
 160 feet east from Franklin street.
 58 feet west from Franklin street.
 50 feet east from Shawmut street.
 37 feet east from Rossmore street.
 78 feet east from Boston street.
 28 feet west from Mystic street.
 6 feet west from Clark place.
 156 feet west from Bonner avenue.
 6 feet east from Kingman road.
 243 feet east from Parker street.
 50 feet east from Bowdoin street.
 15 feet east from Perry street.
 9 feet east from Leland street.
 112 feet east from Dane street.
 175 feet west from Dane street.
 45 feet east from Beacon street.
 62 feet east from Line street.
- Water street, 91 feet north from South street.
 254 feet north from South street.
 354 feet north from South street.
- Waterhouse street, 24 feet south from Broadway.
 326 feet south from Broadway.
 630 feet south from Broadway.
- Waverley street, 171 feet south from Washington street.
- Webster avenue, 37 feet south from Washington street.
 190 feet south from Everett street.
 167 feet north from Prospect street.
 14 feet south from Prospect street.
 73 feet north from Tremont street.
 3 feet north from Beach avenue.
 1 foot south from Columbia court.
- Webster street, 25 feet east from Cross street.
 9 feet east from Rush street.
 Opposite Cutter street.
- Wellington avenue, 15 feet west from Montgomery avenue
- Wesley street, 200 feet north from Pearl street.
- Wesley park, 16 feet north from Bow street.
 335 feet north from Bow street.
- West street, 92 feet south from Highland avenue.
 140 feet north from Highland avenue.
- West Adams street, 200 feet north from Conwell avenue.
 480 feet north from Conwell avenue.
- Westminster street, 156 feet south from Electric avenue.
- Westwood road, 90 feet west from Central street.
 58 feet east from Benton road.
- Wheatland street, 129 feet north from Broadway.
 9 feet south from Jaques street.
 73 feet north from Derby street.

Wheatland street, 78 feet south from Mystic avenue.
 Whipple street, 101 feet north from Highland avenue.
 Whitfield road, 85 feet west from Packard avenue.
 Wigglesworth street, 14 feet north from Pearl street.
 William street, 8 feet east from Chandler street.
 Willoughby street, 146 feet west from Sycamore street.
 Willow avenue, 14 feet north from Summer street.
 3 feet north from Lexington avenue.
 46 feet south from Morrison avenue.
 42 feet south from Fosket street.
 85 feet south from Frederick avenue.
 171 feet north from Frederick avenue.
 Opposite Mallet street.
 Wilton street, 6 feet east from Nashua street.
 10 feet east from Hinckley street.
 Windom street, 7 feet south from Summer street.
 Windsor road, 86 feet east from Willow avenue.
 45 feet west from Hancock street.
 Winslow avenue, 145 feet east from College avenue.
 5 feet west from Grove street.
 224 feet east from Grove street.
 8 feet west from Clifton street.
 Winter street, 130 feet east from Holland street.
 Wisconsin avenue, 210 feet south from Pennsylvania avenue.
 Woodbine street, 222 feet west from Centre street.
 Wyatt street, 8 feet south from Taunton street.

List of Private Hydrants Supplied from the City of Somerville Mains.

John P. Squire & Co.	12
North Packing and Provision Co.	10
New England Dressed Meat and Wool Co.	5
Boston & Maine Railroad	14
Union Glass Works	1
Fresh Pond Ice Co.	1
American Tube Works	2
Middlesex Bleachery	3
Boston Elevated Railway Co.	1
Metropolitan Sewerage Pumping Station	1
Middlesex Paper Co.	2
Derby Desk Co.	1
M. W. Carr & Co.	3
City of Somerville, Water Department	1
City of Somerville, Highway Department	2

Locations of Waterposts.

- 1—Albion street, 83 feet west from Centre street.
- 2—Appleton street, 49 feet west from Willow avenue.
- 3—Bartlett street, 26 feet south from Broadway.
- 4—Beacon street, 33 feet north from Concord avenue.
- 5—Beacon street, 135 feet east from Washington street.
- 6—Beacon street, 33 feet west from Vine street.
- 7—Beacon street, 94 feet east from Sacramento street.
- 8—Bolton street, opposite Baxter school.
- 9—Bonair street, 19 feet west from Wigglesworth street.
- 10—Bond street, 14 feet north from Broadway.
- 11—Boston avenue, opposite Prichard avenue.

- 12—Boston street, 107 feet west from Greenville street.
- 13—Broadway, 75 feet west from Fellsway East.
- 14—Broadway, 6 feet west from City road.
- 15—Broadway, 6 feet west from Irving street.
- 16—Broadway, 120 feet west from Clarendon avenue.
- 17—Broadway, 20 feet west from North street.
- 18—Cameron avenue, 6 feet north from Glendale avenue.
- 19—Cedar street, 96 feet south from Morrison avenue.
- 20—Central street, 89 feet north from Highland avenue.
- 21—Cherry street, 161 feet south from Fairlee street.
- 22—Cleveland street, 169 feet east from Harvard street.
- 23—Columbus avenue, 54 feet east from Walnut street.
- 24—Concord avenue, opposite Knapp school.
- 25—Curtis street, 50 feet east from Professors row.
- 26—Dana street, 30 feet east from Pearl street.
- 27—Elm street, 25 feet west from Burnside avenue.
- 28—Flint street, 47 feet east from Cross street.
- 29—Francesca avenue, 50 feet east from College avenue.
- 30—Franklin street, 127 feet south from Broadway.
- 31—Frederick avenue, 66 feet east from Willow avenue.
- 32—Gilman street, 63 feet east from Walnut street.
- 33—Grove street, 19 feet south from Highland avenue.
- 34—Jaques street, 159 feet west from Grant street.
- 35—Laurel street, 20 feet south from Summer street.
- 36—Liberty avenue, 46 feet south from Broadway.
- 37—Linwood street, 70 feet west from Poplar street.
- 38—Lowell street, opposite Crown street.
- 39—Lowell street, 34 feet north from Highland avenue.
- 40—Lowell street, 102 feet north from Wilton street.
- 41—Meacham road, 39 feet west from Dover street.
- 42—Medford street, 35 feet east from Ward street.
- 43—Medford street, 24 feet north from Highland avenue.
- 44—Medford street, at Gilman square.
- 45—Medford street, 19 feet east from Glenwood road.
- 46—Montrose street, 204 feet west from School street.
- 47—Moreland street, 28 feet north from Meacham street.
- 48—Mt. Vernon street, 71 feet south from Broadway.
- 49—Mystic avenue, 33 feet west from Union street.
- 50—New Cross street, 64 feet north from Broadway.
- 51—Orchard street, 107 feet west from Dover street.
- 52—Otis street, 127 feet west from Cross street.
- 53—Packard avenue, 55 feet southwest from Powder House boulevard.
- 54—Paulina street, 26 feet east from Holland street.
- 55—Pearl street, 28 feet east from Myrtle street.
- 56—Pleasant avenue, 104 feet west from Walnut street.
- 57—Prospect street, 30 feet north from Somerville avenue.
- 58—Putnam street, 96 feet north from Summer street.
- 59—School street, 116 feet south from Broadway.
- 60—School street, 188 feet north from Highland avenue.
- 61—School street, 50 feet north from Berkeley street.
- 62—Shawmut street, 74 feet north from Shawmut place.
- 63—Somerville avenue, 871 feet west from East Cambridge line.
- 64—Somerville avenue, 150 feet west from Congress place.
- 65—Somerville avenue, 89 feet east from Mystic street.
- 66—Somerville avenue, 119 feet west from School street.
- 67—Somerville avenue, 35 feet east from Central street.
- 68—Somerville avenue, 92 feet west from Kent street.
- 69—Somerville avenue, 120 feet west from Oak square.
- 70—Somerville avenue, 42 feet east from Mossland street.

- 71—Summer street, 14 feet east from Belmont street.
 72—Summer street, 32 feet east from Cedar street.
 73—Summer street, 35 feet east from Cutter avenue.
 74—Sycamore street, 28 feet west from Medford street.
 75—Temple street, 31 feet north from Broadway.
 76—Tremont street, 120 feet south from Webster avenue.
 77—Tufts street, 114 feet east from Cross street.
 78—Vernon street, 45 feet west from Central street.
 79—Washington street, 96 feet west from Myrtle street.
 80—Washington street, 7 feet west from Boston street.
 81—Washington street, 34 feet west from Union square.
 82—Washington street, opposite Leland street.
 83—Wheatland street, 30 feet south from Mystic avenue.

Locations of Drinking Fountains.

Broadway, opposite park, near Fellsway East	H
Union square, junction Somerville avenue and Washington street	H
Union square, in front of Hill building	D I
Gilman square	D I
Cutter square	C
Davis square, in front of Medina building	D I

H, horse trough ; D, drinking fountain ; I, ice water ; C, combination trough and drinking fountain.

Summary of Statistics

FOR THE YEAR ENDING DECEMBER 31, 1912.

In form recommended by the New England Water Works Association.

SOMERVILLE WATER WORKS.

SOMERVILLE, MIDDLESEX COUNTY, MASS.

GENERAL STATISTICS.

Population by census of 1910, 77,236.

Date of construction: commenced in 1868.

By whom owned: City of Somerville.

Source of supply: Metropolitan water system.

Mode of supply: Water is delivered into the city's mains, under both high and low pressures, by the Metropolitan Water Works.

STATISTICS OF CONSUMPTION OF WATER.

Estimated total population at date, 80,000.

Estimated population on lines of pipe, 80,000.

Estimated population supplied, 80,000.

Total consumption for the year, 2,352,465,000 gallons.

Average daily consumption, 6,427,500 gallons.

Gallons per day to each inhabitant, 79.

STATISTICS RELATING TO DISTRIBUTION SYSTEM, 1912.

MAINS.

Kind of pipe, cast-iron.

Sizes, from 4-inch to 20-inch.

Laid 9,621 feet; discontinued 1,654 feet; net extension, 7,967 feet.

Total now in use, 97.34 miles.

Number of leaks per mile, .10.
Number of hydrants added during year (public, 17; private, 1), 18.
Number of hydrants (public and private) now in use, 1,158.
Number of stop gates added during year, 47.
Number of stop gates now in use, 1,566.
Number of blow-offs, 155.
Range of pressure on mains, 35 pounds to 100 pounds.

SERVICES.

Kind of pipe: Lead: wrought iron—lead-lined; wrought iron—
cement-lined; cast iron.
Sizes, one-half to six inches.
Extended 9,328 feet.
Total now in use, 82 miles.
Number of service taps added, 264; discontinued, 25; net increase,
239.
Number now in use, 12,596.
Number of meters added, 717; discontinued, 79; net increase, 638.
Number now in use, 7,171.
Percentage of services metered, 57.
Percentage of receipts from metered water, 63.
Number of motors and elevators added, 0.
Number now in use, 7 (included in number of meters).

FINANCIAL STATISTICS.

RECEIPTS.		EXPENDITURES.	
From Water Rates:—		Water Works Maintenance:—	
<i>A.</i> Fixture rates	\$85,636.79	<i>AA.</i> Operation (management and repairs)	\$27,119.41
<i>B.</i> Meter rates	148,215.28	<i>BB.</i> Special:—	
<i>C.</i> Total from consumers	\$233,852.07	Miscellaneous accounts	14,042.60
<i>M.</i> From other sources:—		<i>CC.</i> Total maintenance	\$41,162.01
Water service assessments	4,863.82	<i>DD.</i> Interest on bonds	1,740.00
Labor and materials	14,042.60	<i>EE.</i> Payment of bonds	6,000.00
		Water Works Construction:—	
		<i>GG.</i> Mains	\$12,427.64
		<i>HH.</i> Services	5,837.22
		<i>JJ.</i> Meters	5,145.62
		<i>KK.</i> Total construction	\$23,410.48
		<i>LL.</i> Unclassified expenses:—	
		Metropolitan water assessment	109,232.14
		<i>MM.</i> Balance:—	
		Ordinary	71,213.86
		Total balance	71,213.86
<i>N.</i> Total	\$252,758.49	<i>N.</i> Total	\$252,758.49

Disposition of balance: applied to municipal purposes.

<i>O.</i> Cost of works to date	\$963,135.00
<i>P.</i> Bonded debt at date	38,000.00
<i>R.</i> Average rate of interest, 4 per cent.	

REPORT OF CHIEF ENGINEER OF FIRE DEPARTMENT.

OFFICE OF CHIEF OF FIRE DEPARTMENT, }
Somerville, Mass., December 31, 1912. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—I have the honor of presenting to you for your consideration the annual report of the fire department for the year ending December 31, 1912:—

Alarms of Fire.

Number of bell alarms	287
Number of still alarms	410
	<hr/>
Total alarms	697
Number in excess of 1911	163
Value of buildings at risk	\$535,750 00
Insurance on buildings	391,090 00
Damage to buildings	35,865 10
Value of contents	307,650 00
Insurance on contents	235,215 00
Damage to contents	32,919 05
Total value of risks	834,400 00
Total insurance	626,305 00
Total damage	68,784 15

Causes of Fires.

Accidental	2
Automobile	9
Auto truck	5
Alcohol stove	1
Burning rubbish	2
Bonfires	6
Bed clothing in contact with gas	1
Clothing falling on stove	2
Children playing with matches	16
Chimney fires	9
Combustion	5
Cigar stub	3
Cigar in wooden spittoon	1
Clothing hanging near furnace	2
Cigarette	3
Curtain in contact with gas jet	5
Cleaning clothing with gasoline	1
Decorations in contact with gas jet	1
Defective chimneys	5
Defective fireplace	1
Drying plastering	3
Electric car	2
Electric wire in tree	2
Electric wire in cellar	1
	<hr/>
Carried forward	88

Brought forward	88
Fire in Boston	2
Fire in Cambridge	5
Fire in Medford	3
Fire in dump	1
Fire cracker in window	4
Fire cracker in awning	2
False alarms	47
Friction	1
Fire cracker on roof	4
Fire balloon on roof	1
Grass fires	12
Gasoline stove explosion	1
Gas explosion	1
Hot ashes in barrel	6
Hot water burst	1
Hot ashes around exhaust pipe	1
Incendiary	14
Kerosene lamp upset	7
Kerosene lamp too near ceiling	1
Kerosene oil heater	1
Kettle of tar upset	1
Kettle of fat boiling over	1
Lime in cellar	1
Lightning	1
Overheated oil stove	2
Overheated coal stove	3
Overheated furnace	1
Overheated shafting	4
Oil on street	2
Playing with fire	1
Rats and matches	3
Red fire on roof	1
Smoke from stove	6
Smoke from chimney	1
Smoke mistaken for fire	5
Salamander	2
Soot in chimney	2
Sparks on roof from chimney	11
Sparks from railroad	7
Sparks from tobacco pipe	9
Sparks from cigarettes	3
Sparks from forge	2
Sparks from open chimney flue	2
Stepping on match	2
Stove pipe not connected	1
Thawing water pipes	8
Unknown	2

Service of Companies in Fire Department, Year 1912.

CHIEF ENGINEER, FIRE DEPARTMENT.

	Engine 1.	Engine 2.	Engine 4.	Engine 6.	Hose 2.	Hose 3.	Hose 5.	Hose 7.	Chemical A.	Ladder 1.	Ladder 2.	Ladder 3.	Totals.
Bell alarms responded to	183	118	108	77	114	119	105	145	118	111	117	64	1,379
Still alarms responded to	47	34	15	81	38	45	37	44	35	13	3	18	410
Miles traveled	409	232 1/4	186 1/2	193 1/4	390	146	212	261	166 1/2	134	166	82	2,578 1/2
Feet of 2 1/2 inch hose used	15,000	15,100	8,350	21,100	9,550	7,250	12,200	9,850	.	.	.	.	98,400
Feet of chemical hose used . . . . .	.	.	.	2,600	2,700	14,500	15,000	11,700	16,900	.	.	6,300	69,700
Feet of ladders used . . . . .	.	90	95	.	.	.	.	18	16	1,443	2,634	1,526	5,822
Chemical extinguishers used	22	15	10	4	10	.	.	16	.	8	2	10	97
Gallons of chemical used . . . . .	.	.	.	702	935	2,300	1,890	1,895	3,500	.	.	1,004	12,226
Times on duty at other stations	1	4	3	.	.	.	1	.	.	.	.	.	9

Fire Stations and Equipment.

There are eight fire stations located and equipped as follows:—

The Central fire station, 261 Medford street:—

- 1 Third size Metropolitan engine, drawn by three horses, capacity 600 gallons a minute, put into service in 1903.
- 1 Concord hose wagon, drawn by two horses, carries 1,000 feet of two-and-one-half-inch hose and two three-gallon chemical extinguishers, rebuilt in 1910; nine permanent men.
- 1 Holloway chemical engine, motor driven, equipped with two fifty-gallon tanks, 250 feet of chemical hose, put in service 1894, motorized in 1912; three permanent men.
- 1 Chief's auto, Cadillac phaeton, put in service May 4, 1912.
- 1 Assistant chief's horse and buggy, repaired and painted in 1912.

Engine No. 2 station, corner Broadway and Cross street:—

- 1 Third size Silsby engine, drawn by three horses, capacity 600 gallons a minute, rebuilt in 1904.
- 1 Hose wagon, drawn by two horses, carries 900 feet of two-and-one-half-inch hose, two three-gallon extinguishers, and thirty-five feet of ladders; eight permanent men.
- 1 Combination ladder truck and chemical engine, No. 3, drawn by three horses, carries 386 feet of ladders, longest ladder fifty-foot extension, two thirty-five-gallon chemical tanks, 250 feet chemical hose, put into service December 31, 1910; four permanent men and four callmen.

Union square station, Union square:—

- 1 Ladder truck, No. 1, drawn by three horses, carries 415 feet of ladders, longest ladder fifty-foot extension, and two three-gallon extinguishers; four permanent men, seven callmen.
- 1 Combination hose and chemical wagon, No. 3, drawn by two horses, equipped with two thirty-five-gallon chemical tanks, 250 feet of chemical hose, 800 feet of two-and-one-half-inch hose, and twenty-four feet of ladders, put into service in 1908; four permanent men, three callmen.
- 1 Relief hose wagon.

Engine No. 4 station, corner Highland avenue and Grove street:—

- 1 Second size Silsby engine, drawn by three horses, capacity 700 gallons a minute, rebuilt in 1907.
- 1 Hose wagon, drawn by two horses, carries 900 feet of two-and-one-half-inch hose, two three-gallon extinguishers, and forty-five feet of ladders, painted in 1912; six permanent men, seven callmen.

Hose No. 5 station, 651 Somerville avenue:—

- 1 Combination hose and chemical engine, drawn by three horses, equipped with two forty-five-gallon chemical tanks, 300 feet of chemical hose, 800 feet of two-and-one-half-inch hose, and two three-gallon extinguishers. Four permanent men, one callman.

Engine No. 6 station, Teele square:—

- 1 Second size Metropolitan engine, drawn by three horses, capacity 700 gallons a minute, put into service in 1907.
- 1 Combination hose and chemical wagon, drawn by two horses,

equipped with two thirty-five-gallon chemical tanks, 300 feet of chemical hose, 600 feet of two-and-one-half-inch hose, and twenty-four feet of ladders, put into service in 1908; six permanent men, two callmen.

- 1 Second assistant chief's horse and buggy, repaired and painted in 1912.

Ladder No. 2 station, 265 Highland avenue:—

- 1 Seagraves trussed ladder truck, drawn by three horses, equipped with 408 feet of ladders, longest ladder sixty-five-foot extension, two three-gallon extinguishers, put into service in 1904; four permanent men, nine callmen.
- 1 Pope-Hartford combination hose and chemical No. 7, motor driven, equipped with one thirty-five-gallon chemical tank, 200 feet of chemical hose, 600 feet of two-and-one-half-inch hose, and two three-gallon extinguishers, put in service April 1, 1910, overhauled and painted in 1912; four permanent men, two callmen.

Hose No. 2 station, Marshall street, near Broadway:—

- 1 Combination hose and chemical wagon, drawn by two horses, and equipped with two thirty-five-gallon chemical tanks, 300 feet of chemical hose, 900 feet of two-and-one-half-inch hose, and two three-gallon extinguishers, twenty-four feet of ladders; four permanent men, four callmen.

Manual Force.

The manual force as now organized consists of:—

Chief engineer.

First assistant engineer.

Second assistant engineer.

Six (6) captains.

Eleven (11) lieutenants.

Four (4) enginemen.

Three (3) assistant enginemen.

Forty-one (41) permanent men.

One relief driver.

Thirty-nine (39) callmen.

Total, one hundred and eight (108) men.

During the year two men have resigned, seven men have been appointed, three of whom were needed to maintain the same standard of efficiency at the time of the adoption of one-day-off-in-five.

Horses.

The number of horses has been greatly reduced during the year, there being but thirty-eight (38) at present, as against forty-four (44) on December 31, 1911.

On Sunday morning, May 12, 1912, the three horses attached to Hose No. 5, responding to an alarm from box 23, stepped upon a buried spur track on Water Street, which had become charged with electricity by the falling across it of a high powered service wire of the Edison Company, and were electrocuted.

October 16, 1912, at 1.25 A. M. the horses attached to Engine 1, having been summoned by special call to the fire at 89 Mystic avenue, ran away and dashed themselves against an upright of the Elevated structure at the junction of Main street and Mystic avenue, and the middle horse was killed.

The general health of the horses has been excellent, as is evidenced by the very small expense for medicines and veterinary services.

Although numerically the horses are fewer, the maintenance has been materially greater, owing to the high price of hay and grain.

As in my previous reports I must again recommend the purchase of horses to replace some that are getting along in years.

Hose.

The amount of serviceable hose in the department at present is 9,300 feet of two-and-one-half inch and 1,900 feet of three-quarter inch or chemical hose.

During the year there has been purchased 900 feet of two-and-one-half inch hose, and 1,150 feet condemned.

It requires 13,600 feet of two-and-one-half inch hose to fully equip the companies carrying hose, therefore there should be 4,300 feet more to properly equip the apparatus.

Recapitulation.

The insurance loss is in excess of last year, but that is to be expected as the total alarms outnumber last year by 163, which goes to show that the city is growing and the fires are naturally becoming more numerous.

The per capita fire loss is but \$.81, an unusually low figure when compared with other cities and towns.

Box 435, Ball Square, has been sounded for the two worst fires of the year, with a loss of more than one-third of the whole total.

There have been but eleven fires (six less than last year) with an insurance loss exceeding \$1,000, as follows:—

February 14, 7.54 A. M. Box 47, 36 Hawthorne street, dwelling owned and occupied by R. S. Martin; damage to building, \$1,300; to contents, \$200. Cause, thawing water pipes.

March 2, 11.23 P. M. Box 37, 458-460 Broadway, dwelling owned by Isaac Heller, occupied by A. W. Chamberlain and Daniel R. Webb; damage to building, \$1,995; to contents, \$810. Cause, defective chimney.

March 18, 10.15 A. M. Box 443, 71-73 Dover street, building owned by Boston Elevated Railway Co., occupied by J. H. McCreery, M. W. Palmer, and F. A. Teele; damage to building, \$933.50; to contents, \$211. Cause, hot ashes in boiler room.

April 23, 11.45 P. M. Box 435, building owned by Joseph Cohen, occupied as dwelling, offices, and stores; damage to building, \$4,400; to contents, \$1,754. Cause, defective wiring.

May 6, 8.45 A. M. Box 156, second alarm, 8.55 A. M., 11-17 North Union street, buildings owned and occupied by Joseph Cotter, Incorporated; damage to buildings, \$2,506; to contents, \$500. Cause, man's clothing set afire from a spark from a furnace. Man sent to hospital.

May 12, 2.27 A. M. Box 23, second alarm from box 21 at 2.30 A. M., buildings situated on Water street owned by John P. Squire Co. and John Russell, occupied by A. Bundle Wood Co.; damage to buildings, \$1,275; to contents, \$1,875. Cause, carelessness with matches.

October 16, 1.25 A. M. Box 156, special call, 3 blows at 1.39 A. M., 89 Mystic avenue, wagon repair shop, building owned by H. E. Wright & Son, occupied by Welch, Dwyer & Grady; damage to building, \$1,336; damage to contents, \$2,510. Cause, incendiary.

October 22, 4.40 P. M. Box 435, second alarm 4.55 P. M., 674-690 Broadway, stores owned by Joseph Cohen and George N. Blake, occupied by Caragianis Brothers, Allen's Lunch Room, L. H. Gray, George E. Rogers, Vincent De Feo, S. Sandelman, S. D. Orne, George Bates, Jr., George N. Blake; damage to building, \$5,375; to contents, \$8,232.42. Cause, gas explosion in basement.

November 23, 10.46 P. M. Box 324, second alarm 10.56 P. M., 16 Taylor street, building owned and occupied by H. M. Hillson & Co., tinsmiths; damage to building, \$1,205; to contents, \$7,100. Cause, probably spark from forge.

December 15, 10.26 P. M. Box 336, 431-433 Medford street, dwellings and stores owned by Benjamin Bernson; damage to building, \$1,300; to contents, \$75. Cause, carelessness with matches in cellar.

December 17, 11.35 A. M. Box 427, 167 Elm street, dwelling owned and occupied by William I. Brown; damage to building, \$2,300; to contents, \$530. Cause, defective chimney.

The telephone has played a very important part in giving notices of fires, there having been 163 telephone alarms received at the Central Station and transmitted to the several stations, thereby very materially reducing the department expense, extinguishing the fire with one piece of apparatus instead of five or more that would necessarily respond in event of a bell alarm.

False alarms have been all too frequent this year, there having been 47, double the number of the previous year. There should be some plan of action or method pursued to check this criminal thoughtlessness. It is not infrequent to hear or read of some serious or even fatal accident happening

to fire apparatus or its men responding to a false alarm. The majority of instances are directly attributable to the desire of children "wanting to see the fire department go by." There should be some scheme of education or instruction devised to teach the children the seriousness of the offence and also the attendant dangers every time fire apparatus responds to alarms. The chances of accidents to apparatus with the possible painful or fatal injuries to the men, the exposure of persons and vehicles in the streets, small children playing in the street, careless of danger, and now motor apparatus, with the added speed, greatly increases the possibilities of accidents.

Mention should be made here of the almost universal observance of the ordinance relative to "setting of fires in the open air." Alarms for this class of fires have been reduced to a minimum.

One hundred and seventy-six applications for fires have been received and locations inspected and eighty-nine permits granted.

The machine shop has become a very necessary adjunct to the department and a great saver of mechanical repair work. There have been 693 hours' work performed in the shop, applied to transforming the chief's buggy into a supply wagon, changing the desk room at the Central station, rebuilding and changing Chemical "A" from horse drawn to motor driven, and thoroughly overhauling Hose 7 auto-combination. This does not include small repairs to apparatus and buildings, which, if kept track of, would make a much larger total. With the introduction of motor apparatus, with the numerous small repairs such apparatus calls for, it will be necessary to enlarge the present shop, and the installation of a five-horse-power motor in place of the two-horse-power in present use.

Defective chimneys and flues, and cellars littered with rubbish and unnecessary accumulations have been the causes of many of the worst losses during the year. Owners and occupants of buildings are earnestly urged to correct these conditions, as the department has no knowledge of the existence of these hazards except when called to put out a fire or upon the complaint of a person having an interest in any building or premises or property adjacent thereto.

On May 4, 1912, there was delivered to the city an automobile for the use of the chief, a Cadillac, phaeton type, purchased from maintenance at an expense of \$1,875.

The total expense for unkeep on this auto to December 31, 1912, covering a period of 241 days and a mileage of 2,653, has been for gasoline, \$56.19; for oils, \$7.14; for repairs, \$17.38, a total of \$80.71. During the same period of time the expense of maintenance of a horse and buggy for the use of the assistant chief has been for feed, \$125.09; for shoeing,

\$26.40; for repairs, \$41; a total of \$192.49. A net saving in favor of the auto of \$111.78.

Owing to the accident to the horses attached to Hose No. 5, as previously mentioned in this report, a very necessary and favorably located piece of apparatus was deprived of its motive power. In order to meet this emergency, it was suggested to motorize Chemical "A," thereby making available two horses for the equipment of Hose No. 5.

Through the energy, mechanical ingenuity, and ability of the officers and men connected with the Central station, the motorizing of Chemical "A" was accomplished, and that at the very small expense of \$675. This machine was placed in service July 3 and has proven its competency and efficiency far beyond expectations.

Recommendations.

Some immediate action must be taken to properly equip the Union-square station with ladder facilities, as the present truck must be condemned or repaired for relief purposes; therefore, I recommend for this station a 75-foot motor-driven aerial truck.

There are, at present, in the department equipment three double tank horse drawn combination wagons that can be easily and effectively motorized and I recommend the immediate purchase of three chasses to rebuild these wagons and thereby release a number of horses which are much needed for such apparatus as must remain horse drawn for some time to come.

I recommend a motor-combination for the Hose No. 5 station; the present piece is antiquated, too heavy, requiring three horses to move it, and, therefore, expensive to maintain.

I recommend a motor-driven ladder truck for the Clarendon Hill section. The present ladder service for this district is too long delayed, being more than a mile away. The rapid growth of this section, particularly of the three-storied construction, calls for prompt ladder service, if life and property are to be properly conserved.

I recommend the equipment of at least two of the steam fire engines with tractors, thereby being able to place one of our present engines (Engine No. 2), which is not equal to the continued service required of it, on the relief list.

I recommend the installation of a quick-time fire alarm system. This is necessary, with the adoption of motor apparatus, to learn quickly the location of the box, in order to make a quick get-away, added to the increased speed, means a quick stream brought to bear early upon the fire, which may mean the difference between a small blaze and a conflagration.

Many fires are preventable, and to that end a complete system of inspections should be made possible; and, therefore,

I recommend the enactment of an ordinance giving to the fire department authority to order whatever changes must be made to lessen the fire hazard.

Conclusion.

No words of mine are necessary to emphasize the remarkable record of successful fire-fighting, but I owe it to the officers and men under my command to commend them for the skill with which they have done their work. The citizens have many times during the year manifested their appreciation of the services of the department.

In closing, I wish to express to the officers and members of the department, my sincere appreciation of their willingness, promptness, and faithfulness to the arduous and many times exhaustive duties they are called upon to perform. I also wish to express my thanks to his honor, the mayor, and the board of aldermen, who have contributed to the success of the department by their co-operation and confidence.

Respectfully submitted,

SEWALL M. RICH,

Chief Engineer.

REPORT OF THE CHIEF OF POLICE.

OFFICE OF CHIEF OF POLICE, }
City of Somerville, January 20, 1913. }

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

Gentlemen,—I herewith respectfully submit for your consideration my fourth annual report as chief of police, giving in detail the amount of work performed by the police department for the year ending December 31, 1912:—

Arrests.

Whole number of arrests made	1,434
With and without warrants	1,069
On summons and notification	365
	1,434
Males	1,347
Females	87
	1,434
Americans	960
Foreign born	474
	1,434
Residents	943
Non-residents	491
	1,434

1.—Crimes and Offenses Against the Person.

Assault on officer	1
Assault with dangerous weapon	4
Assault with intent to murder	1
Assault with intent to rape	8
Assault with intent to rob	1
Assault and battery	110
Assault and battery on officer	7
Manslaughter	1
Murder	2
Robbery	1
Threats	6
	142

2.—Crimes and Offenses Against Property.

Breaking and entering	65
Breaking and entering railroad car	7
Breaking glass, wantonly	10
Evading fare on railway	8
Fraudulent hiring of horse	1
Larceny	137
Larceny from person	1
	229
Carried forward	229

Brought forward	229
Larceny in building	5
Larceny in railroad car	2
Malicious mischief	2
Receiving stolen property	3
Unlawful appropriation of horse	1
Unlawful use of registered bottles	4
Wanton injury to lantern	2

248

3.—Crimes and Offenses Against Public Order, Etc.

Abandoning minor child	1
Abduction	2
Adultery	2
Attempt to rescue prisoner	2
Attempt to sell fruit by false measure	1
Automobile laws, violation of	73
Bail surrender	2
Bastardy	9
Bigamy	1
Capias	4
Carrying revolver	2
Cigarette laws, violation of	2
City ordinances, violation of	70
Contempt of court	1
Cruelty to animals	8
Default warrants	4
Delaying railway car	3
Desertion of minor children	1
Desertion of wife	3
Disorderly conduct on public conveyance	5
Disturbing the peace	30
Drug law, violation of	2
Drunkenness	561
Drunkenness, common	7
Employment law, violation of	1
Escape from lock-up	1
Escape from United States naval prison	1
Food laws, violation of	2
Giving false alarm of fire	2
Hens, keeping without permit	1
Indecent exposure of person	3
Interfering with funeral procession	1
Interfering with railway car	1
Interrupting funeral procession	1
Lewdness	3
Liquor laws, violation of	6
Lord's Day, violation of	54
Maintaining barbed wire along sidewalk	1
Milk laws, violation of	8
Neglected children	21
Neglect of family	62
Placing obstruction on railroad track	2
Peddling without license	1
Safe keeping, delirium tremens	1
Safe keeping, demented and insane	9
Carried forward	978

Brought forward	978	
Safe keeping, feeble minded	1	
Safe keeping, infirm	1	
Safe keeping, lost children	3	
Safe keeping, runaways	15	
Safe keeping, runaway from Lyman school	1	
School laws, violation of	1	
Stubbornness	12	
Surrendered by probation officer	1	
Suspicion of robbery	2	
Suspicious person	1	
Throwing missile at railway car	1	
Unlawfully delivering poison	1	
United States navy deserter	1	
United States navy stragglers	2	
Vagrants	5	
Violation of parole from Lyman school	1	
Violation of terms of probation	9	
Violation of parole	3	
Walking on railroad track	4	
Witness to murder	1	
	<hr/>	1,044

Recapitulation.

(1) Crimes and Offenses Against the Person	142	
(2) Crimes and Offenses Against Property	248	
(3) Crimes and Offenses Against Public Order, Etc.	1,044	
	<hr/>	1,434
Released by probation officer, for drunkenness	34	
Released by probation officer, for larceny	1	
Surrendered to other officers, institutions, etc.	81	
Surrendered to police court, violation of probation, etc.	7	
Delivered to jail on capias, etc.	5	
Delivered to superior court on capias	1	
Committed to lock-up, escaped prisoner	1	
Delivered to United States navy yard	3	
Bailed to appear at other courts	4	
Witness in murder case held under bonds	1	
Cases dismissed in court	3	
Cases in which nolle prosequi was entered	16	
Released from custody, suspicion of robbery	2	
	<hr/>	159
Whole number of arrests made	1,434	
Cases in which no prosecution was made in Somerville	159	
	<hr/>	1,275
Number of cases held for trial	1,275	

Note.—Two hundred and twenty-seven of the above number of cases were juveniles and delinquents.

Miscellaneous Reports.

Abandoned automobiles found	2
Abandoned buggy found	1
Abortion	1
Accidents reported	179
Accidents, fatal	8
Alarms given for fire	15

Amount of property reported stolen	\$12,645.17
Amount of property recovered	\$7,864.21
Amount of property reported lost	\$1,120.90
Amount of lost property recovered	\$984.30
Amount of stray team reported	\$350.00
Amount of stray teams found	\$700.00
Amount of property reported destroyed and damaged	\$244.00
Amount of missing dog	\$100.00
Amount of missing dog, found	\$100.00
Animal prostrated by heat	1
Assault, attempt	1
Assaults	5
Assault, indecent	1
Assault with intent to rob	2
Attempts to break and enter	20
Attempt to break and enter, false alarm of	1
Attempts to commit larceny	2
Attempts to commit suicide	5
Attempt to rape	1
Attempt to rob	1
Automobile register numbers found	3
Automatic vending machines broken	3
Buildings broken and entered, nothing stolen	21
Buildings dangerous	3
Buildings erected, repaired, etc.	50
Buildings found open and secured	407
Bogus stock swindlers	2
Boston Elevated railway cars interfered with	2
Bridge dangerous	1
Chimney dangerous	1
Child restored to parent	1
Dead body found	1
Defective bridges	5
Defective catch basins and covers	9
Defective gas gate box	1
Defective manholes and covers	4
Defective sewer	1
Defective sidewalks	317
Defective sidewalk awnings	3
Defective signboard	1
Defective signs, etc.	16
Defective streets	75
Defective subway	1
Defective water gates	2
Defective wires	27
Disturbance reported	1
Disturbances suppressed	6
Dogs killed	27
Dog licenses, money collected for, by officers	\$1,078.00
Dogs missing	7
Dogs restored to owners	4
Dog stolen	1
Drowned bodies recovered	2
Electric light pole broken	1
Excavation in street not properly lighted	1
Explosive placed on railway tracks	1
False alarms of breaking and entering	2
False alarms of fire	12
Fatal assault elsewhere	1

Fatal burning accidents	2
Fatal gas poisoning accidents	2
Fatal poisoning by corrosive sublimate	1
Fences dangerous	2
Fires extinguished without an alarm	2
Fire, incendiary	1
Fires reported	5
Fire set by children	1
Fire, still alarm for	1
Gas meter tampered with	1
Gas leaks	5
Horse injured	1
Horses killed	2
House entered, nothing stolen	1
Houses vacant	71
Indecent exposure of person	4
Malicious mischief	4
Missiles thrown at railway cars	2
Missing persons reported	25
Missing persons found	15
Missing team found	1
Number of larcenies reported	429
Number of street lights reported out	3,210
Obstructions in sidewalks	8
Obstructions in streets	26
Obstructions removed from streets and street railways	51
Panes of glass broken	220
Permits granted to perform labor on Lord's Day	47
Persons bitten by dogs	2
Person fainted taken to hospital	1
Person sick, brought to police station	1
Persons helped home	2
Persons taken to Somerville Hospital from another city	1
Pistol shots fired in street	3
Plate glass window broken	2
Poles dangerous	5
Posts dangerous	2
Prostrations by heat	2
Report of nuisance	1
Reports of property damaged, no value given	7
Reports of property lost, no value given	7
Reports of property found, no value given	10
Runaway child	1
Runaway children found	2
Sidewalks, snow and ice not removed	120
Sign posts defective	2
Slate roof dangerous	1
Store vacant	1
Stray bullet fired through window	1
Stray cow found	1
Stray horse	1
Stray horses found	5
Stray teams	2
Stray teams found	3
Streets dangerous from snow and ice	2
Street light down in street	1
Sudden deaths	8
Suicide	1

Suicides by gas poisoning	2
Summonses served for defendants, etc., to appear in court at other places	109
Supposed incendiary fires	2
Suspicious persons	6
Train of railway cars stoned by boys	1
Trees dangerous	22
Unconscious person found	1
Unlawful appropriation of horse and buggy	1
Unlawful appropriation of team	1
Wanton injury to real estate	1
Water gates dangerous	16
Water pipes leaking	132
Water supply cut off in house	1
Window blown in	1
Window broken	1
Window peeper	1

Police Signal Service and Horse Drawn Patrol Wagon and Horse Drawn Ambulance Reports.

Number of on duty reports made by the patrolmen	275,910
Number of telephone calls	54,074
Number of runs made with the patrol wagon	132
Number of miles run with the patrol wagon	228½
Number of prisoners conveyed to station in patrol wagon	147
Number of sick and injured persons conveyed in ambulance	225
Number of miles run in conveying prisoners in van to and from jail	417
Number of miscellaneous runs made with patrol wagon and ambulance	24

Automobile Patrol-Ambulance.

Number of runs made in conveying prisoners to station	560
Number of prisoners conveyed to station	668
Number of sick and injured conveyed	429
Number of miles run in conveying prisoners to station	1,183.7
Number of miles run in conveying sick and injured	1,474.7
Number of miles run in conveying prisoners to and from jail	505.4
Number of miles run elsewhere, including practice, etc.	1,372.9
Total number of miles run for all purposes	4,536.7

Official Roster of Department.

CHARLES A. KENDALL, Chief of Police.

Robert R. Perry, Captain.	George H. Carleton, Sergeant.
Dennis Kelley, Lieutenant.	James M. Harmon, Sergeant.
Eugene A. Carter, Lieutenant.	John A. Ray, Sergeant.
Charles E. Woodman, Lieutenant.	Thomas Damery, Inspector.
Edward McGarr, Sergeant.	Michael T. Kennedy, Inspector.

PATROLMEN.

1 Edward M. Carter.	32 Ernest Howard.
2 George L. Smith.	33 Claude L. Crossman.
3 Francis A. Perkins.	34 John J. Cummings.
4 Jacob W. Skinner.	35 Lemuel J. Simons.
5 Theodore E. Heron.	36 Edmund J. Keane.
6 Ezra A. Dodge.	37 Denis Neylon.
7 Charles W. Stevens.	38 Denis Downey.
8 Daniel G. Simons.	39 Edward M. Davies.
9 Samuel Burns.	40 George A. C. Peters.
10 Frederick H. Googins.	41 James E. Phillips.
11 Jotham Chisholm.	42 Louis J. Belzarini.
12 William J. Davidson.	43 Walter Reed.
13 Elmer E. Drew.	44 Dennis G. Mulqueeny.
14 John A. Dadmun.	45 Patrick J. Doolin.
15 Eugene A. Woodsum.	46 Edward J. Hopkins.
16 George L. Rice.	47 William G. Kenney.
17 Myron S. Gott.	48 Walter L. Groves.
18 Charles W. Reick.	49 Frederick G. Jones.
19 Frank C. Hopkins.	50 Joseph A. Dwyer.
20 Charles W. Allen.	51 Thomas P. Walsh.
21 Hudson M. Howe.	52 Clyde W. Steeves.
22 Ernest S. Goff.	53 Augustine J. Fitzpatrick.
23 Sanford S. Lewis.	54 Patrick McGrath.
24 Frank H. Graves.	55 Bernard McCabe.
25 Henry A. Sudbey.	56 Harry C. Young.
26 Thomas F. McNamara.	57 Robert D. Dewar.
27 Louis F. Arnold.	58 Peter Moore.
28 Charles S. Johnston.	59 Albert C. Hawes.
29 James M. Lynch.	60 Walter C. Oesting.
30 Martin Sharry.	61 John L. Cameron.
31 Robert T. Blair.	62 Francis P. Higgins.
	63 Arthur S. Walsh.

RESERVE MEN.

64 John J. McCahey.	69 Charles E. Wilson.
65 Alexander Morrison.	70 William J. Warner.
66 Daniel J. Powers.	71 Timothy Buckley.
67 Jeremiah O'Connor.	72 John J. Killourhy.
68 James P. Higgins.	73 Charles J. Sharry.

PATROL DRIVERS AND CHAUFFEURS.

Charles J. Fulton.	James H. White.
James W. Lundergan.	

MATRON.

Minnie F. Woodland.

PENSIONERS, RETIRED ON HALF-PAY.

George W. Bean, July 2, 1902.	Ira S. Carleton, May 9, 1907.
Albion L. Staples, March 24, 1905.	James J. Pollard, Feb. 27, 1908.
John E. Fuller, March 23, 1906.	Melville C. Parkhurst, Oct. 31, 1908.
	Herbert Hilton, Dec. 21, 1911.

Changes in the Personnel of the Department During the Year.

April 25, 1912, Retired Patrolman William H. Johnston, died.

June 27, 1912, Patrolman Michael T. Kennedy, promoted to inspector.

October 10, 1912, Reserve Officer Walter C. Oesting, promoted to patrolman.

October 10, 1912, Reserve Officer John L. Cameron, promoted to patrolman.

October 24, 1912, William J. Warner, appointed reserve officer.

November 14, 1912, Timothy Buckley, appointed reserve officer.

December 26, 1912, Reserve Officer Francis P. Higgins, promoted to patrolman.

December 26, 1912, Reserve Officer Arthur S. Walsh, promoted to patrolman.

December 26, 1912, John J. Killourhy, appointed reserve officer.

December 26, 1912, Charles J. Sharry, appointed reserve officer.

Sickness and Disability.

The following named officers have been absent from duty on account of sickness or disability during the year:—

	Days.
McGarr, Edward, sergeant	35
Harmon, James M., sergeant	6
Ray, John A., sergeant	20
Damery, Thomas, inspector	5
Arnold, Louis F., patrolman	2
Blair, Robert T., patrolman	12
Carter, Edward M., patrolman	4
Chisholm, Jotham, patrolman	2
Cummings, John J., patrolman	51
Dewar, Robert D., patrolman	95
Doolin, Patrick J., patrolman	3
Dodge, Ezra A., patrolman	15
Drew, Elmer E., patrolman	33½
Fitzpatrick, Augustine J., patrolman	4
Googins, Frederick H., patrolman	5
Hawes, Albert C., patrolman	5½
Heron, Theodore E., patrolman	1
Hopkins, Edward J., patrolman	3
Howe, Hudson M., patrolman	8
Johnston, Charles S., patrolman	15½
Kenney, William G., patrolman	3
Lewis, Sanford S., patrolman	13
Lynch, James M., patrolman	12
McCabe, Bernard, patrolman	8
Moore, Peter, patrolman	6
Mulqueeney, Dennis G., patrolman	1
Neylon, Denis, patrolman	1
Perkins, Francis A., patrolman	3
Peters, George A. C., patrolman	6
Phillips, James E., patrolman	13
Reick, Charles W., patrolman	6
Rice, George L., patrolman	9
Sharry, Martin, patrolman	22
Simons, Daniel G., patrolman	5
Simons, Lemuel J., patrolman	7½
Stevens, Charles W., patrolman	4
Steeves, Clyde W., patrolman	2
Smith, George L., patrolman	1
Sudbey, Henry A., patrolman	4½
Total	452½

Performance of Duties.

During the past year the members of this department were called upon to perform a large amount of extra duty.

The strike among the employees of the Boston Elevated Railway started on Friday, June 7, and continued for over a month before being officially declared off. All of the officers performed their duties in a highly creditable manner during this trying time, and owing to their efficiency the City of Somerville looked after the strikers and thereby prevented much trouble and destruction of property. This strike brought out traits of courage on the part of certain members of the department which tended to increase my admiration for them.

In addition to regular patrol duty, officers have been detailed for duty at the public library, ambulance service, Somerville Beach, the several parks, elections, watching fire alarm boxes, baseball and football games, traffic duty at Broadway and Walnut street, also Walnut and Bow streets on Sundays and holidays, and plain clothes duty of various sorts in several instances.

Mounted Officer Robert D. Dewar was severely injured on September 21, 1912, by being thrown from his horse, and was incapacitated for duty during the remainder of the year.

On September 27, 1912, two sergeants and twenty patrolmen were detailed for duty at Malden to assist the police there when the City of Malden had as its guest the President of the United States, William H. Taft.

Additions to the Force, Improvements, New Equipment, etc.

One patrolman was promoted to the rank of inspector, four reserve officers were promoted to patrolmen, making sixty-three regular patrolmen in all, four additional reserve officers were appointed during the year.

A new Indian motorcycle was purchased in June, and a new horse was purchased in December, the old horse, "Sam," formerly used for a number of years by the former chief engineer of the fire department, and which was in use in this department for the past year, was sent to a farm in Maine to be cared for during the remainder of his life.

The old police signal system is being replaced by the new Gamewell system, and when completed will be a valuable improvement to the service.

The horse-drawn vehicles, ambulance, patrol wagon, van, and pung were repaired, re-painted, etc., and are in good condition.

Recommendations.

The cells in the lock-up are in a deplorable condition, and measures should be taken at once to replace them with modern steel ones.

The vault in the basement of the police building should be completed so that it could be used for the storage of valuable books, records, etc. Other improvements are needed in the police building.

An automobile touring car, capable of seating six or seven persons, for use in answering calls, investigating cases, and other purposes, would prove to be of much value, and is much needed.

Another combination automobile ambulance and patrol would do away with the seeming necessity of a sub-station at West Somerville.

Measures should be taken to provide for an additional night sergeant and a day sergeant, either by retirement of older sergeants or increasing the present number. A clerk and stenographer in the office of the chief of police would be of much value in attending to the large amount of clerical work, which is steadily increasing.

I would recommend that the ordinances be changed so that inspectors shall rank above sergeants.

One or more patrol drivers and chauffeurs should be added to the present number so that there could be two men on duty at night and the present hours shortened.

Conclusion.

I sincerely express my appreciation to his honor, Mayor Charles A. Burns, for his courtesy, advice, and consideration in all matters pertaining to the welfare of the police department, to the members of the board of aldermen, members of the public safety committee, police court officials, and heads of other departments for their support and assistance; to all members of the police department for their fidelity, and to all others who have aided this department by their co-operation.

Respectfully submitted,

CHARLES A. KENDALL,

Chief of Police.

REPORT OF SEALER OF WEIGHTS AND MEASURES.

OFFICE OF SEALER OF WEIGHTS AND MEASURES, }
City Hall Annex, Somerville, January 1, 1913. }

To His Honor, the Mayor, and the Board of Aldermen:—

The following report of the sealer of weights and measures for the year 1912 is respectfully submitted:—

Section 21, chapter 62, of the Revised Laws provides that sealers of weights and measures shall annually give public notice by advertisement, or by posting, in one or more public places in their respective cities and towns, notices to all inhabitants or persons having usual places of business therein who use weights, measures or balances for the purpose of selling goods, wares, merchandise, or other commodities or for public weighing to bring in their weights, measures and balances to be adjusted and sealed. Such sealers shall attend in one or more convenient places, and shall adjust, seal and record all weights, measures and balances so brought in.

Section 34 of the same chapter provides that each sealer of weights and measures, including the county treasurers, shall receive a fee of one dollar for sealing each platform balance if weighing five thousand pounds or more, and fifty cents if weighing less than that amount, and three cents each for sealing all other weights, measures, scales, beams or balances. He shall also have a reasonable compensation for all necessary repairs, alterations and adjustments made by him.

Where weights, measures and balances are sealed as provided in Section 21 (that is, brought to the office), no fee is charged for sealing.

In compliance with the foregoing Section 21, the customary notice was given by advertising in the Somerville Journal and the Somerville Reporter in March, 1912.

During the year the sealer visited all places in the city where goods were bought or sold, tested all scales, weights and measures, sealed those which were found correct, and condemned all found beyond repair and useless.

Ninety-two scales, weights and measures were adjusted before sealing, twenty scales were tagged for repairs, five of which were repaired as ordered, and the remaining fifteen put out of use.

Work done in weights and measures during the year 1912:—

	No. of Tests Made at Office.	No. of Tests Made Out of Office.	
Number of scales sealed	446	1,515	
Number of weights sealed	291	3,799	
Number of dry measures sealed	274	81	
Number of tin liquid measures sealed	3,708	1,247	
Number of glass liquid measures sealed	5,312	0	
Number of yard sticks sealed	0	154	
Number of coal and berry baskets sealed,	3	0	
Number of miscellaneous sealed	173	0	
Number of stone weighings	0	2,944	
	<hr/>	<hr/>	
Total number of all kinds sealed	10,207	9,740	19,947
Number of scales adjusted and sealed	33	15	
Number of weights adjusted and sealed	25	18	
Number of dry measures adjusted and sealed	0	0	
Number of liquid measures adjusted and sealed	1	0	
	<hr/>	<hr/>	
Total number adjusted and sealed	59	33	92
Number of scales tagged for repairs	9	11	
Number of scales repaired as ordered	3	2	
	<hr/>	<hr/>	
Total number tagged and repaired	12	13	25
Number of scales condemned	23	0	
Number of weights condemned	0	0	
Number of dry measures condemned	9	5	
Number of liquid measures condemned	166	1	
Number of yard sticks condemned	0	0	
Number of miscellaneous condemned	37	0	
	<hr/>	<hr/>	
Total number condemned	235	6	241
	<hr/>	<hr/>	
Total number tested in and out of office			20,305

Receipts for the year 1912:—

Appropriation	\$2,400 00	
Fees received for sealing and adjusting	465 62	
	<hr/>	\$2,865 62

Expenditures for the year 1912:—

Telephone service	\$26 10	
Printing books and supplies	76 91	
Amount paid for team	292 50	
Amount paid for helper	14 00	
Salary of sealer	1,100 00	
Salary of deputy sealer	900 00	
	<hr/>	\$2,409 51
		<hr/>
Unexpended balance		\$456 11

JOHN H. DUSSEAULT,

Sealer of Weights and Measures.

REPORT OF THE CITY SOLICITOR.

Somerville, January 15, 1913.

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

The following is my report as city solicitor for the year 1912:—

The work of construction in the abolition of grade crossings at Medford street and at Dane street is well under way. Settlements have been made of many claims for land damages at these crossings. Work has not yet begun at Park street, as provided by the decree.

Several actions brought against the city for damages to estates at Webster avenue were tried in the Middlesex County Superior Court. The cost of abolishing the Webster-avenue crossing, including payments for such damages, is paid as follows: 10 per cent. by the city, 65 per cent. by the railroad company, 12½ per cent. by the street railway company, 12½ per cent. by the state.

An action brought by J. Walter Sanborn for damages to land and three dwelling houses on Prospect street and Newton street was tried and a verdict for \$3,011.25 was given by the jury. This verdict is believed by the parties interested as defendants to be more than a fair and reasonable estimate of the real damages to the property, and acting under instructions I intend to file exceptions and attempt to secure another trial. As the action is still pending, I cannot properly report upon it now at greater length.

I tried also two actions brought by the owners of the church, convent, and school property on the westerly side of Webster avenue. Settlements by agreement had previously been made with the same owners for damages to their property on the easterly side of Webster avenue, \$12,750 having been paid them June 21, 1911, for damages to land and the school building thereon at the corner of Everett street and \$5,750 having been paid them December 4, 1911, for damages to land and two houses thereon situated nearer Union square.

Several conferences were held between representatives of the owners and representatives of the city, the state, the railroad and the street railway in an attempt to make a settlement for damages to the property on the westerly side. The sum of \$142,292 was asked in behalf of the owners, and their representatives refused to consider favorably a suggestion made them by the representatives of the city, the state, the railroad, and the street railway that the payment of \$25,000 would be recommended in settlement. The actions were tried together and verdicts amounting to \$17,535.67 were given by a jury.

Motions were made by the plaintiffs for new trials and were denied by the court. Exceptions were filed by them for the purpose of attempting to obtain another trial. A few months later, the plaintiffs being entitled to costs and interest in addition to the amount of the verdicts, a settlement was agreed upon for \$21,000 and this sum was paid them.

Actions in court and claims for injuries received by reason of defects in public ways were settled for \$76.65, \$125, and \$175. A claim of a similar nature was settled by the surety on the bond of a contractor without expense to the city.

Two actions were tried before a jury in the Superior Court at Lowell, arising out of the destruction by fire of the incinerator building. One of these actions was brought by the city against a tenant and his surety to enforce the payment of rent under a written agreement. A final judgment was obtained in favor of the city for the full amount of the rent and was paid by the surety. The other action was brought by the tenant against the city on a large claim for damages. A verdict was directed by the court in favor of the city, and the plaintiff is now endeavoring to have the verdict set aside on exceptions to be taken to the Supreme Court.

A petition for a writ of mandamus was brought against the mayor to compel the reinstatement of the petitioner as an employee in the police department under the provisions of chapter 624 of the acts of the legislature for the year 1911, and is now pending before the full bench of the Supreme Court.

Two actions brought against the city for injuries claimed to have been received by reason of a defect in Powder House boulevard were defended on the ground that the special statute authorizing the city to lay out the boulevard created no liability for defects, and the actions were dismissed without expense to the city.

Actions against the city of Cambridge on claims for taxes and assessments upon land in Somerville were abandoned. Several old sewer assessments against various persons were collected by suit, the interest and costs being abated.

A bill before the legislature was successfully opposed, similar to one presented the year before, requiring other cities and towns as well as Boston and Cambridge, to pay a part of the expenses of constructing and maintaining bridges over the Charles River between Cambridge and Boston.

The general work of my department has been about the same as in other years.

Very respectfully,

FRANK W. KAAH,

City Solicitor.

REPORT OF THE CITY CLERK.

OFFICE OF THE CITY CLERK, }
January 1, 1913. }

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

Gentlemen,—The following is respectfully submitted as the forty-first annual report of the City Clerk of the City of Somerville, and is for the year ending December 31, 1912.

The receipts and payments were as follows:—

Receipts.

Balance from year 1911, being for dog licenses issued in December, 1911:—			
5 males at \$2.00		\$10 00	
3 females at \$5.00		15 00	
		\$25 00	
Less city clerk's fees paid to the city treasurer in December, 1911, 8 at \$.20,		1 60	
			\$23 40
For dog licenses issued in 1912:—			
1,252 males at \$2.00		\$2,504 00	
259 females at \$5.00		1,295 00	
104 spayed at \$2.00		208 00	
1 breeder's license at \$25.00		25 00	
			\$4,032 00
Recording mortgages, assignments, etc., 802 papers		\$494 50	
Certificates of marriage intentions, 913 at \$1.00		913 00	
Furnishing copies of records		152 50	
Licenses:—			
Amusements:—			
37 monthly licenses at \$4.00	\$148 00		
330 licenses for 462 entertainments, including 1 paid for in 1911, making 461 at \$1.00	461 00		
		609 00	
Auctioneers, 26 at \$2.00		52 00	
Billiard and pool tables and bowling alleys, 24 licenses for 71 tables and 20 alleys, at \$2.00		182 00	
Cry goods and calling:—			
92 at \$1.00	\$92 00		
3 licenses applied for and not returned	3 00		
		95 00	
Drain layers, 8 at \$1.00		8 00	
Drivers, 4 at \$1.00		4 00	
Amounts carried forward		\$2,510 00	\$4,055 40

Amounts brought forward		\$2,510 00	\$4,055 40
Engines and motors, 26 licenses for 30 motors, 1 boiler, 2 gas engines, and 2 steam engines, including 1 paid in 1911, making 25 at \$1.00	\$25 00		
2 licenses for 11 motors, not acted on	2 00		
		<u>27 00</u>	
Hackney carriages, 4 licenses for 8 carriages at \$1.00		8 00	
Garages, 74 licenses, including 1 paid in 1911, making 73 at \$2.00	\$146 00		
4 refused and money not called for	\$8 00		
1 not acted on	2 00		
	<u>10 00</u>		
	\$156 00		
3 refunds on licenses refused in 1911	6 00		
	<u>150 00</u>		
Innholders and common victuallers, 55 licenses for 1 innholder and 54 victuallers, including 1 paid in 1911, making 54 at \$2.00	\$108 00		
1 not acted upon	2 00		
	<u>\$110 00</u>		
1 refund on license refused in 1911	2 00		
	<u>108 00</u>		
Intelligence offices, 8 at \$2.00		16 00	
Junk and second-hand licenses:—			
19 shop licenses at \$25.00	\$475 00		
35 collectors' licenses at \$10.00	350 00		
	<u>825 00</u>		
Private detectives, 7 at \$10.00		70 00	
Ring bells, 10 at \$1.00		10 00	
Slaughtering, 6 at \$1.00		6 00	
Street musicians, 8 licenses for 14 persons at \$.50	\$7 00		
1 license for two persons refused, and money not called for	1 00		
	<u>8 00</u>		
Wagons, 104 licenses, including 1 paid for in 1911, making 103 at \$1.00		103 00	
Wagon stands, 4 at \$1.00		4 00	
Permits for projections over sidewalks, 18 signs and 5 awnings, making 23 at \$1.00		23 00	
Permits to transport liquors:—			
19 licenses at \$1.00	\$19 00		
Amounts carried forward	\$19 00	\$3,868 00	\$4,055 40

Amounts brought forward	\$19 00	\$3,868 00	\$4,055 40
1 refused and money not called for	1 00		
	<u>20 00</u>		
2 refunds on permits refused in 1907 and 1911	2 00		
		18 00	
Recording and issuing sixth-class liquor licenses, 38 at \$1.00		38 00	
Filing certificates, 2 at \$.50		1 00	
Repairing and sale of junk badges		2 50	
Sale of old paper		4 68	
Notices of hearings (public service corpora- tions)		32 50	
Interest on deposits		13 24	
		<u>3,977 92</u>	
Total receipts			<u>\$8,033 32</u>

Payments.

To Joseph O. Hayden, county treasurer, June 1 and December 1, receipts for dog licenses from December 1, 1911, to November 30, 1912, both in- clusive:—			
1,254 males at \$2.00	\$2,508 00		
261 females at \$5.00	1,305 00		
104 spayed at \$2.00	208 00		
1 breeder's license at \$25.00	25 00		
	<u>\$4,046 00</u>		
Less city clerk's fees, 1,620 at \$.20	324 00		
		<u>\$3,722 00</u>	
To the city treasurer, monthly:—			
City clerk's fees for issuing and re- cording dog licenses, 1,616 at \$.20	\$323 20		
All the receipts above specified, except for dog licenses	3,977 92		
		<u>4,301 12</u>	
Total payments			<u>\$8,023 12</u>
Balance, January 1, 1913, being for dog licenses issued in December, 1912:—			
3 males at \$2.00	\$6 00		
1 female at \$5.00	5 00		
	<u>\$11 00</u>		
Less city clerk's fees paid to the city treasurer, 4 at \$.20	80		
		<u>\$10 20</u>	

There have been issued during the year 168 resident hunters' certificates at \$1 each, and one unnaturalized foreign-born certificate at \$15, the fees for which have been paid monthly to the commissioners of fisheries and game of the commonwealth; total, \$183.

Licenses and Permits.

Besides the licenses mentioned in the foregoing list of receipts, licenses and permits have been granted by the board of aldermen, without charge, as follows:—

Auctioneers (to veterans of the Civil War)	2
Children under 15 to take part in entertainments	9
Newsboys	57
To blast rock or stone	6
To erect or use buildings for gasoline	20
To hold road race in streets	1
To move buildings through streets	13
To parade in streets	5
To hold open-air meetings	8
To give band concerts (two permits for five concerts)	2

Gas and Pole Locations.

The Cambridge Gas Light Company and the Charlestown Gas and Electric Company have been granted permission to lay gas mains in sundry streets.

Permission has also been granted The Edison Electric Illuminating Company of Boston and The New England Telephone and Telegraph Company of Massachusetts for the erection of poles and for the attachments of wires and fixtures, and to the West End Street Railway Company for track locations and electric rights in various streets.

In every order of the board of aldermen granting such permission to use the streets provision is made for the protection of the interests of the city, and a suitable agreement, satisfactory in form to the city solicitor, must be filed with the city clerk before the order can become operative.

Births.

1912.

Number of births reported by physicians and midwives for 1912:—

Males	964
Females	875

A canvass of the city is at present being made under the direction of the city clerk as required by section 5, chapter 29, of the Revised Laws, to ascertain the facts required for record relative to all children born therein during the year.

As the information derived from such canvass will not be available in time sufficient for its incorporation in this report, a statement in full of the births of 1912 will be given in the city clerk's report for the year 1913.

1911.

The following is a statement in full of the births for 1911:—

Number of births (exclusive of still-births) in Somerville in 1911 registered	1,756
More than previous year	90
Males	859
Females	897
	<hr/>
	1,756
Born of American parents	669
Born of foreign parents	675
Born of American father and foreign mother	204
Born of foreign father and American mother	194
Born of American mother and father of unknown nationality	9
Born of foreign mother and father of unknown nationality	4
Born of parents of unknown nationality	1
	<hr/>
	1,756
Number of still-births in Somerville in 1911 registered	73
Number of births in other places in 1911 registered	260
	<hr/>
	2,089
Number of cases of twins	19
Number of cases of triplets	1

Marriages.

Number of intention certificates issued in 1912	913
More than previous year	7
Marriages registered	954
Less than previous year	7
Both parties American	530
Both parties foreign	212
American groom and foreign bride	101
Foreign groom and American bride	111
	<hr/>
	954 couples
First marriage of	1,719
Second marriage of	173
Third marriage of	14
Fourth marriage of	2
	<hr/>
	954 couples

Deaths.

(Exclusive of still-births.)

Number of deaths in Somerville in 1912	983
Less than previous year	52
Males	438
Females	545
	<hr/>
	983
Under ten years of age	227
10 and under 20 years of age	29
20 and under 30 years of age	53
30 and under 40 years of age	70
40 and under 50 years of age	75
50 and under 60 years of age	101
60 and under 70 years of age	163
70 and under 80 years of age	165
80 and under 90 years of age	83
90 years of age and over	17
	<hr/>
	983

Age of oldest person deceased	96 yrs.	
Born in Somerville	226	
Born in other places in the United States	403	
Of foreign birth	353	
Birthplace unknown	1	
	<hr/>	983
Number of deaths in January	94	
“ “ “ “ February	109	
“ “ “ “ March	96	
“ “ “ “ April	76	
“ “ “ “ May	94	
“ “ “ “ June	72	
“ “ “ “ July	65	
“ “ “ “ August	61	
“ “ “ “ September	68	
“ “ “ “ October	75	
“ “ “ “ November	80	
“ “ “ “ December	93	
	<hr/>	983

The number of still-births recorded during the year was seventy-five. In addition to the above, 201 deaths which occurred elsewhere, and two removals, were recorded in Somerville, almost the entire number of persons deceased having been residents of this city.

Assessed Polls and Registered Voters.

MEN'S LISTS.

WARD.	PRECINCT.	As- sessed Polls, April 1, 1912.	REGISTERED VOTERS.								
			Nov. 22, 1911.	Added in April, 1912.	Re- vised Lists of July 5, 1912.	Added in Sept. and Oct., 1912.	Oct. 16, 1912.	Added in Nov., 1912.	Nov. 20, 1912.	Voted Nov. 5, 1912.	Voted Dec. 10, 1912.
Ward 1 . . .	Precinct 1 .	1,309	678	..	613	117	730	7	737	640	521
" 1 . . .	" 2 .	524	274	..	254	61	315	3	318	284	245
" 1 . . .	" 3 .	528	326	..	288	40	328	6	334	286	251
" 1 . . .	" 4 .	677	336	..	301	54	355	3	358	331	310
		3,038	1,614	..	1,456	272	1,728	19	1,747	1,541	1,327
Ward 2 . . .	Precinct 1 .	1,076	441	1	396	56	452	3	455	413	301
" 2 . . .	" 2 .	1,562	683	1	639	152	791	..	791	712	455
" 2 . . .	" 3 .	854	391	..	356	40	396	3	399	361	243
		3,492	1,515	2	1,391	248	1,639	6	1,645	1,486	999
Ward 3 . . .	Precinct 1 .	1,245	830	2	780	58	838	..	838	763	593
" 3 . . .	" 2 .	1,107	700	..	638	53	691	3	694	621	492
		2,352	1,530	2	1,418	111	1,529	3	1,532	1,384	1,085
Ward 4 . . .	Precinct 1 .	1,406	810	1	734	100	834	..	834	720	492
" 4 . . .	" 2 .	1,115	636	..	598	98	696	1	697	618	463
		2,521	1,446	1	1,332	198	1,530	1	1,531	1,338	955
Ward 5 . . .	Precinct 1 .	1,233	813	..	758	72	830	1	831	757	582
" 5 . . .	" 2 .	958	633	2	566	58	624	1	625	570	416
" 5 . . .	" 3 .	1,012	621	3	573	59	632	4	636	583	488
		3,203	2,067	5	1,897	189	2,086	6	2,092	1,910	1,486
Ward 6 . . .	Precinct 1 .	1,682	931	..	872	89	961	12	973	860	647
" 6 . . .	" 2 .	1,392	792	..	716	109	825	1	826	740	474
" 6 . . .	" 3 .	1,155	766	..	680	86	766	-3	763	686	426
		4,229	2,489	..	2,268	284	2,552	10	2,562	2,286	1,547
Ward 7 . . .	Precinct 1 .	849	632	..	573	66	639	5	644	586	417
" 7 . . .	" 2 .	1,186	736	..	650	91	741	-1	740	680	471
" 7 . . .	" 3 .	1,121	607	..	577	103	680	2	682	605	435
" 7 . . .	" 4 .	997	590	1	569	111	680	-1	679	629	427
		4,153	2,565	1	2,369	371	2,740	5	2,745	2,500	1,750
City		22,988	13,226	11	12,131	1,673	13,804	50	13,854	12,445	9,149

WOMEN'S VOTING LISTS.

WARD.	PRECINCT.	Nov. 22, 1911.	Revised Lists of July 5, 1912.	Added in Sept. Oct. and Nov., 1912.	Nov. 20, 1912.	Voted December 10, 1912.
Ward 1	Precinct 1	40	38	17	55	37
" 1	" 2	6	5	20	25	22
" 1	" 3	14	12	3	15	8
" 1	" 4	58	56	7	63	43
		118	111	47	158	110
Ward 2	Precinct 1	6	3	1	4	1
" 2	" 2	7	7	1	8	1
" 2	" 3	4	2	..	2	..
		17	12	2	14	2
Ward 3	Precinct 1	112	105	77	182	130
" 3	" 2	99	93	63	156	90
		211	198	140	338	220
Ward 4	Precinct 1	17	17	8	25	7
" 4	" 2	15	15	9	24	6
		32	32	17	49	13
Ward 5	Precinct 1	18	18	67	85	69
" 5	" 2	20	19	49	68	53
" 5	" 3	7	7	127	134	127
		45	44	243	287	249
Ward 6	Precinct 1	239	217	167	384	295
" 6	" 2	60	53	64	117	101
" 6	" 3	28	26	68	94	69
		327	296	299	595	465
Ward 7	Precinct 1	23	19	10	29	7
" 7	" 2	94	78	16	94	25
" 7	" 3	56	49	5	54	8
" 7	" 4	26	21	6	27	6
		199	167	37	204	46
City . . . . .	. . . . .	949	860	785	1,645	1,105

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
AUDITOR.									
James F. Carens,	Democratic,	590	938	360	238	535	568	358	3,587
Herbert B. Griffin,	Prohibition,	10	32	16	14	13	31	25	144
Octave A. LaRiviere,	Progressive,	209	110	270	264	376	480	668	2,377
Sylvester J. McBride,	Socialist,	20	21	15	27	27	43	34	187
Jeremiah P. McNally,	{ Socialist Labor,	5	6	2	2	4	12	4	35
John E. White,	Republican,	519	193	588	639	807	932	1,183	4,871
Blank,		188	186	123	154	148	217	228	1,244
ATTORNEY-GENERAL.									
George W. Anderson,	Democratic,	619	955	373	265	553	608	403	3,776
Frank Bohmbach,	{ Socialist Labor,	8	6	1	1	4	22	5	47
Freeman T. Crommett,	Prohibition,	6	6	10	11	11	13	24	81
H. Heustis Newton,	Progressive,	218	137	288	278	397	498	712	2,528
George E. Roewer, Jr.,	Socialist,	23	24	17	26	28	39	32	189
James M. Swift,	Republican,	496	197	579	613	784	924	1,129	4,722
Blank,		171	161	116	144	133	182	195	1,102
REPRESENTATIVE IN CONGRESS.									
John Herbert,	Progressive,	205	129	289	290	434	534	728	2,609
Squire E. Putney,	Socialist,	28	20	16	68	33	44	54	263
Ernest W. Roberts,	Republican,	532	222	584	617	776	936	1,176	4,843
Henry C. Rowland,	Democratic,	622	992	405	262	563	637	397	3,878
Blank,		154	123	90	101	104	135	145	852
COUNCILLOR.									
William H. Barter,	Democratic,	635	937	373	284	585	632	437	3,883
Alexander McGregor,	Republican,	562	276	739	794	1,002	1,189	1,525	6,087
Calvin M. Verbeck,	Socialist,	35	46	42	36	58	61	66	344
Leod McLeod,		.....	.....	.....	.....	1	.....	.....	1
Blank,		309	227	230	224	264	404	472	2,130
SENATOR.									
Charles V. Blanchard,	Republican,	484	237	545	620	755	927	1,148	4,716
Joseph Hatfield Estey,	Socialist,	20	20	18	25	34	41	33	191
Arthur W. Glines,	Progressive,	236	129	348	336	471	579	845	2,944
Michael W. White,	Democratic,	675	994	403	258	537	598	346	3,811
Blank,		126	106	70	99	113	141	128	783
REPRESENTATIVES, 25TH DIST. (3)									
William M. Armstrong,	Republican,	552	.....	670	592	807	.....	.....	2,621
Leonard B. Chandler,	Progressive,	300	.....	359	463	538	.....	.....	1,660
Wilbur S. Clarke,	Progressive,	218	.....	300	306	390	.....	.....	1,214
William J. Ennis,	Democratic,	586	.....	325	232	532	.....	.....	1,675
Thomas H. Kelley,	Socialist,	68	.....	83	34	49	.....	.....	234
William W. Kennard,	Republican,	510	.....	521	582	734	.....	.....	2,347
Walter A. Ladd,	Progressive,	218	.....	297	300	406	.....	.....	1,221
John L. Mulholland,	Socialist,	36	.....	16	23	41	.....	.....	116
William H. Reardon,	Democratic,	602	.....	340	252	518	.....	.....	1,712
Charles L. Underhill,	Republican,	454	.....	594	579	811	.....	.....	2,438
Emil Veck,	Socialist,	28	.....	17	26	35	.....	.....	106
John P. Ryan,		.....	.....	.....	.....	1	.....	.....	1
Blank,		1,051	.....	630	625	868	.....	.....	3,174

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
REPRESENTATIVES, 26TH DIST. (3)									
Henry A. Diehl,	Democratic,	.....	864	.....	.....	.....	539	309	1,712
William H. Dolben,	Republican,	.....	192	.....	.....	.....	932	1,364	2,488
Frank J. Eigabroadt,	Progressive,	.....	126	.....	.....	.....	455	656	1,237
Charles W. Eldridge,	Republican,	.....	217	.....	.....	.....	1,135	1,268	2,620
John H. O'Neil,	Democratic,	.....	877	.....	.....	.....	531	317	1,725
Richard Pigott,	Socialist,	.....	28	.....	.....	.....	52	49	129
William Sanborn,	Socialist,	.....	34	.....	.....	.....	59	56	149
Bernard J. Sheridan,	Democratic,	.....	901	.....	.....	.....	582	367	1,850
Ralph M. Smith,	Republican,	.....	188	.....	.....	.....	975	1,195	2,358
French O. J. Tarbox,	Progressive,	.....	185	.....	.....	.....	530	751	1,466
O. S. Scales,	.....	.....	.....	.....	.....	.....	1	.....	1
Blank,	.....	.....	846	.....	.....	.....	1,067	1,168	3,081
COUNTY COMMISSIONER.									
Winthrop H. Fairbank,	Democratic,	615	934	388	277	574	621	472	3,881
Robert J. Kelly,	Socialist,	43	41	32	38	50	77	90	371
Chester B. Williams,	Republican,	538	257	739	776	1,011	1,204	1,476	6,051
Blank,	.....	295	254	225	247	275	384	462	2,142
COUNTY TREASURER.									
Nicholas H. Flynn,	Socialist,	41	37	37	33	57	74	74	353
Joseph O. Hayden,	Republican,	606	252	746	801	1,027	1,241	1,512	6,215
Thomas F. Royle,	Democratic,	538	835	351	247	491	560	384	3,406
Blank,	.....	356	362	250	257	335	411	500	2,471
SHALL THE PROPOSED AMENDMENT TO THE CONSTITUTION, DISQUALIFYING FROM VOTING PERSONS CONVICTED OF CERTAIN OFFENCES, BE APPROVED AND RATIFIED?									
Number of "Yes" votes,	.....	600	427	698	671	967	1,116	1,315	5,794
Number of "No" votes,	.....	323	417	227	194	339	372	364	2,236
Blank,	.....	618	642	459	473	604	798	821	4,415
SHALL THE PROPOSED AMENDMENT TO THE CONSTITUTION, RELATIVE TO THE TAXATION OF WILD OR FOREST LANDS, BE APPROVED AND RATIFIED?									
Number of "Yes" votes,	.....	600	534	616	612	918	1,004	1,188	5,472
Number of "No" votes,	.....	220	243	229	173	269	367	352	1,853
Blank,	.....	721	709	539	553	723	915	960	5,120
SHALL AN ACT PASSED BY THE GENERAL COURT IN THE YEAR NINETEEN HUNDRED AND TWELVE, ENTITLED "AN ACT RELATIVE TO PENSIONING LABORERS IN THE EMPLOY OF CITIES AND TOWNS," BE ACCEPTED?									
Number of "Yes" votes,	.....	847	897	706	755	1,026	1,253	1,272	6,756
Number of "No" votes,	.....	225	143	356	229	444	457	578	2,432
Blank,	.....	469	446	322	354	440	576	650	3,257

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 of granting licenses for the sale of intoxicating liquors and on acceptance of act relative to vacations of members of fire departments, in this city, at the city election held December 10, 1912:—

CANDIDATE.	PARTY.	WARDS.							Total.
		1	2	3	4	5	6	7	
MAYOR.									
Charles A. Burns,	Republican,	548	221	533	532	736	737	841	4,148
Arthur W. Glines,	Progressive,	182	109	282	221	283	347	603	2,027
Frederick J. White,	Democratic,	572	655	263	193	456	450	271	2,860
Blank,		25	14	7	9	11	13	35	114
ALDERMAN-AT-LARGE, WARD 1.									
Winslow P. Burhoe,	Progressive,	103	71	210	166	244	281	468	1,543
William H. Smith,	Republican,	538	178	508	491	666	681	832	3,894
John J. Wood,	Democratic,	623	610	250	181	432	388	220	2,704
Blank,		63	140	117	117	144	197	230	1,008
ALDERMAN-AT-LARGE, WARD 2.									
John H. Cassidy,	Democratic,	496	620	230	167	423	395	214	2,545
Laurence C. E. Hallin,	Progressive,	127	80	213	172	235	285	464	1,576
George A. Wilson,	Republican,	483	242	506	478	670	666	818	3,863
Blank,		221	57	136	138	158	201	254	1,165
ALDERMAN-AT-LARGE, WARD 3.									
John B. Dayton,	Democratic,	512	601	301	189	462	446	286	2,797
Frank R. Dunklee,	Republican,	538	199	690	575	799	831	1,068	4,700
Blank,		277	199	94	191	225	270	396	1,652
ALDERMAN-AT-LARGE, WARD 4.									
Meddie W. Brown,	Democratic,	493	585	226	170	425	379	214	2,492
Leod MacLeod,	Republican,	471	161	481	525	637	636	771	3,682
John L. Walker,	Progressive,	135	85	222	173	250	296	495	1,656
Blank,		228	168	156	87	174	236	270	1,319
ALDERMAN-AT-LARGE, WARD 5.									
Joseph W. Cronin,	Democratic,	492	597	233	168	465	396	208	2,559
Charles A. Draper,	Republican,	470	166	477	456	658	644	789	3,660
William Hunt Hilling,	Progressive,	119	71	227	181	284	281	472	1,635
Blank,		246	165	148	150	79	226	281	1,295
ALDERMAN-AT-LARGE, WARD 6.									
Fred W. Jackson,	Republican,	518	242	515	498	706	815	834	4,128
Walter S. Savory,	Progressive,	265	254	327	228	374	402	531	2,381
John Kilmartin,						1			1
Hugh A. Jones,							2		2
Blank,		544	503	243	229	405	328	385	2,637
ALDERMAN-AT-LARGE, WARD 7.									
Joseph H. Perry,	Republican,	504	217	503	487	670	693	929	4,003
Otto C. Scales,	Progressive,	253	244	327	222	371	384	578	2,379
Frank P. Garland,						1			1
Blank,		570	538	255	246	444	470	243	2,766

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
WARD ALDERMEN (2) WARD 1.									
Arthur B. Cragin,	Republican,	453	....	....	....	....	....	....	453
Ernest F. Flagg,	Democratic,	664	....	....	....	....	....	....	664
William T. McCarthy,	Democratic,	696	....	....	....	....	....	....	696
Mark W. Patten.	Republican,	461	....	....	....	....	....	....	461
George M. Spieler,	Progressive,	118	....	....	....	....	....	....	118
Stewart H. Williams,	Progressive,	95	....	....	....	....	....	....	95
Blank,		167	...	....	....	....	....	....	167
WARD ALDERMEN (2) WARD 2.									
Robert C. Harris,	Democratic,	....	701	....	....	....	....	....	701
Joseph H. McGlone,	Republican,	....	188	....	....	....	....	....	188
George W. Pratt,	Republican,	....	178	....	....	....	....	....	178
Alfred J. Toomey,	Democratic,	....	672	....	....	....	....	....	672
Blank,		....	259	....	....	....	....	....	259
WARD ALDERMEN (2) WARD 3.									
Oscar W. Coddling,	Republican,	....	....	530	....	....	....	....	530
Charles S. Egerton,	Progressive,	....	....	352	....	....	....	....	352
Willard J. Emerson,	Progressive,	....	....	349	....	....	....	....	349
Robert J. Farrell,	Republican,	....	....	545	....	....	....	....	545
Blank,		....	....	394	....	....	....	....	394
WARD ALDERMEN (2) WARD 4.									
Edwin Connell,	Republican,	....	....	....	485	....	....	....	485
Alfred Ellis, Jr.,	Democratic,	....	....	....	170	....	....	....	170
Joseph Hillson,	{ Progressive, } Republican,	....	....	....	499	....	....	....	499
James Hurley,	Democratic,	....	....	....	302	....	....	....	302
Albion M. Stevens,	Progressive,	....	....	....	199	....	....	....	199
Blank,		....	....	....	255	....	....	....	255
WARD ALDERMEN (2) WARD 5.									
William G. Cummings,	Republican,	....	....	....	....	668	....	....	668
Francis J. Daley,	Democratic,	....	....	....	....	467	....	....	467
Fred E. Durgin,	Republican,	....	....	....	....	666	....	....	666
James H. Maguire,	Democratic,	....	....	....	....	600	....	....	600
George P. Wilder,	Progressive,	....	....	....	....	275	....	....	275
Blank,		....	....	....	....	296	....	....	296
WARD ALDERMEN (2) WARD 6.									
Warren C. Blair,	Progressive,	....	....	....	....	....	367	....	367
James A. Dwyer,	Democratic,	....	....	....	....	....	415	....	415
David H. Fulton,	{ Progressive, } Republican,	....	....	....	....	....	723	....	723
Albert E. Hughes,	Democratic,	....	....	....	....	....	578	....	578
Albert W. Robinson,	Republican,	....	....	....	....	....	658	....	658
Blank,		....	....	....	....	....	353	....	353
WARD ALDERMEN (2) WARD 7.									
Harold W. Ayres,	Progressive,	....	....	....	....	....	677	....	677
Eugene M. Carman,	Republican,	....	....	....	....	....	810	....	810
Charles H. Cummings,	Democratic,	....	....	....	....	....	181	....	181
Hiram N. Dearborn,	Progressive,	....	....	....	....	....	520	....	520
Francis X. Donovan,	Democratic,	....	....	....	....	....	179	....	179
William P. French,	Republican,	....	....	....	....	....	868	....	868
Blank,		....	....	....	....	....	265	....	265

CANDIDATE.	Party.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
SCHOOL COMMITTEE(2 yrs.) WARD 1.									
George H. Dustin,	Republican,	630	....	....	...	....	....	....	630
Thomas A. Kelley,	Democratic,	704	....	....	....	....	....	....	704
Blank,		103	....	....	....	....	....	....	103
SCHOOL COMMITTEE(2 yrs.) WARD 2.									
Thomas M. Clancy,	Democratic,	....	712	....	....	....	....	....	712
Charles F. Pritchard,	Republican,	....	195	....	....	....	....	....	195
Blank,		....	94	....	....	....	....	....	94
SCHOOL COMMITTEE(2 yrs.) WARD 3.									
Albert C. Ashton,	Republican,	....	....	698	....	....	....	...	698
Frances M. Weeks,	Progressive,	....	....	502	....	....	....	...	502
Blank,		....	....	105	....	....	....	....	105
SCHOOL COMMITTEE(2 yrs.) WARD 4.									
Martin P. Hogan,	{ Progressive,	....	....	....	572	....	....	....	572
Thomas Simpson,	{ Republican,	....	....	....	233	....	....	....	233
Sidney Keene,	Democratic,	....	....	....	1	....	..	....	1
Blank,		....	....	....	162	....	....	....	162
SCHOOL COMMITTEE(2 yrs.) WARD 5.									
Blanche E. Herbert,	Progressive,	....	....	....	....	403	....	....	403
Herbert A. MacDonald,	Democratic,	....	....	....	....	645	....	....	645
Jesse S. Newcomb,	Republican,	....	....	....	....	628	....	....	628
Blank,		....	....	....	....	59	....	....	59
SCHOOL COMMITTEE(2 yrs.) WARD 6.									
Mary R. Brewer,	{ Progressive,	....	....	....	....	....	1,202	....	1,202
Laurence J. Dervin,	{ Republican,	....	....	....	....	....	689	....	689
Blank,	Democratic,	....	....	....	....	....	121	...	121
SCHOOL COMMITTEE(2 yrs.) WARD 7.									
Charles W. Berry,	Progressive,	....	....	....	....	....	....	727	727
Herbert Cholerton,	Republican,	....	....	....	....	....	....	877	877
Blank,		....	....	....	....	....	....	192	192
SHALL LICENSES BE GRANTED FOR THE SALE OF INTOXICATING LIQUORS IN THIS CITY?									
Number of "Yes" votes,		467	553	256	149	358	362	276	2,421
Number of "No" votes,		720	358	772	750	1,072	1,117	1,393	6,182
Blank,		140	88	57	56	56	68	81	546
SHALL CHAPTER 546, OF THE ACTS OF 1912, ENTITLED "AN ACT RELATIVE TO VACATIONS OF MEMBERS OF FIRE DEPARTMENTS," BE ACCEPTED?									
Number of "Yes" votes,		916	699	628	588	917	970	994	5,712
Number of "No" votes,		184	137	237	192	292	283	360	1,685
Blank,		227	163	220	175	277	294	396	1,752

Liquor License Question.

The following is a statement of the votes, during the several years of its submission to the people, on the question of granting licenses for the sale of intoxicating liquors, in this city, together with the number of registered voters and the estimated population for each year:—

YEAR.	YES.	NO.	BLANK.	REGISTERED VOTERS.	ESTIMATED POPULATION
1881	979	1,222		3,678	26,000
1882	627	1,159		3,778	26,500
1883	767	1,343		4,407	27,000
1884	806	1,709		4,470	28,000
1885	428	1,604		3,969	*29,992
1886	214	1,321		4,089	32,000
1887	555	2,427		4,574	34,000
1888	744	2,456		5,399	36,000
1889	635	1,706	335	5,286	39,000
1890	999	2,282	409	5,556	*40,117
1891	1,054	2,598	279	5,938	43,000
1892	1,427	3,288	347	7,587	46,000
1893	1,547	2,654	218	7,943	48,000
1894	1,098	2,869	246	8,007	50,000
1895	1,854	4,708	459	8,410	*52,200
1896	1,466	3,680	332	9,379	54,000
1897	1,626	3,815	486	8,925	56,000
1898	1,595	3,501	486	8,657	57,500
1899	1,892	3,340	374	8,838	60,000
1900	1,660	3,427	321	9,620	*61,643
1901	1,579	3,295	374	9,499	63,500
1902	1,645	3,242	360	10,100	65,000
1903	2,248	4,410	550	11,346	67,000
1904	2,022	4,338	447	11,682	69,500
1905	2,483	4,660	531	11,340	*69,272
1906	2,193	5,204	582	11,571	70,000
1907	1,735	4,591	459	11,558	74,000
1908	1,780	4,760	491	12,777	75,500
1909	1,830	4,601	530	12,479	75,500
1910	1,544	3,968	365	12,522	*77,236
1911	2,193	4,841	492	13,226	80,000
1912	2,421	6,182	546	13,854	81,000

* Census.

ORDINANCES.

Somerville, January 1, 1913.

The following ordinance has been adopted since the printing of the annual reports for the year 1911:—

No. 46.**An Ordinance Relating to Junk.**

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. No junk collector shall directly or indirectly either purchase or receive by way of barter or exchange any junk, old metals, or secondhand articles of a minor or apprentice, knowing or having reasons to believe him to be such.

Section 2. The fourth clause of Section 1 of Chapter XXVIII of the Revised Ordinances of 1911 is hereby amended by striking out the words "said keeper shall be sold by him until a period of at least one week" and inserting in place thereof the words: such shop keeper shall be sold until at least thirty days, so that said fourth clause shall read as follows:—

Fourth. That no keeper of such shop shall, directly or indirectly, either purchase or receive, by way of barter or exchange, any of the articles aforesaid of any minor or apprentice, knowing or having reason to believe him to be such; and that no article purchased or received by such shop keeper shall be sold until at least thirty days from the date of its purchase or receipt has elapsed.

Section 3. Any person who shall violate any provision of this ordinance shall forfeit a sum not exceeding twenty dollars for each offence.

Section 4. This ordinance shall take effect upon its passage.

Approved March 30, 1912.

FREDERIC W. COOK,
City Clerk.

JURY LIST OF THE CITY OF SOMERVILLE.

Prepared by the Registrars of Voters June 27, 1912.

A

Abbott, A. Warren, 30 Josephine ave., Bookkeeper.
Abbott, Edward D., 71 Craigie st., Real estate broker.
Abbott, Wilbur H., 49 St. James ave., Clerk.
Adam, George, Jr., 5-A Evergreen ave., Carpenter.
Adams, Benjamin, 37 Rogers ave., Bookkeeper.
Adcock, John H., 205 Highland ave., Plumber.
Alberty, George W., 74 Bay State ave., Merchant.
Aldrich, Carl G., 25 Warner st., Jewelry manufacturer.
Allen, Carl H., 41 Lowden ave., Salesman.
Allen, Harry G., 16 Chester pl., Clerk.
Alley, Herbert L., 164 Washington st., Grocer.
Amee, Albert F., 17 Russell st., Stationer.
Anderson, Guy R., 72 Broadway, Salesman.
Anderton, William R., 6 Henry ave., Advertising agent.
Andrews, Clifford W., 91 Highland rd., Manager.
Anthony, Charles P., 14 Professors row, Musician.
Armstrong, Frank F., 91 Summer st., Clerk.
Armstrong, Thomas J. G., 37 Partridge ave., Machinist.
Arnold, Dwight E., 110 Perkins st., Plumber.
Arnold, Martin M., 27 Lexington ave., Salesman.
Ashton, Albert C., 33 Columbus ave., Manufacturer.
Ashton, Harry H., 23 Vinal ave., Salesman.
Ashworth, Fred N., 104 Cross st., Manufacturer.
Atkinson, G. Murray, 10 Heath st., Carpenter.
Atkinson, Thomas, 69 Highland rd., Superintendent.
Atwood, Arthur J., 9 Pearl st., Corn merchant.
Atwood, Horace F., 38 Windsor rd., Bookkeeper.
Atwood, William J., 375 Medford st., Buyer.
Austin, Lester D., 9 Vinal ave., Foreman.

B

Babbitt, Eugene, 207 Highland ave., Manager.
Babbitt, Eugene L., 207 Highland ave., Salesman.
Babcock, Cyrus W., 982 Broadway, Box manufacturer.
Babcock, Irving L., 36 Lowden ave., Stock keeper.
Bacon, Clarence L., 112 Thurston st., Superintendent.
Bacon, Frederick F., 9 Crocker st., Foreman.
Bacon, Oliver, 19 Pembroke st., Accountant.
Baker, Charles T., 93 Munroe st., Violin teacher.
Baker, Tennyson L., 22 Hall st., Clerk.
Baldwin, Warren J., 82 Mt. Vernon st., Bookkeeper.
Barker, Samuel S., 91 Oxford st., Salesman.
Barnard, Frank M., 95 Belmont st., Book binder.
Barnes, Edmund K., 77 Lexington ave., Chemist.
Barrett, Rufus G., 115 Cedar st., Printer.
Barry, Garrett E., 6 Campbell pk., Jeweler.
Bartlett, Albert K., 8 Delaware st., Foreman teamster.
Bartlett, George I., 32 Franklin st., Salesman.

Barton, Walter E., 15 Vinal ave., Salesman.
 Bates, Arthur, 45 St. James ave., Salesman.
 Bean, Henry E. W., 17 Highland ave., Foreman.
 Beattie, Joseph A., 19 Otis st., Roofer.
 Beatty, Charles S., 277 Summer st., Broker.
 Bell, James B., 28 Sycamore st., Manager.
 Bellows, George M., 611 Broadway, Agent.
 Benjamin, George H., 40 Burnside ave., Gen. supervisor.
 Bennett, George H., 15 Prichard ave., Machinist.
 Benson, Henry A., 13 Pleasant ave., Driver.
 Benton, Forest T., 47 Cherry st., Salesman.
 Berry, Arthur W., 53 Hudson st., Carpenter.
 Berry, Charles A., 23 Cutter ave., Salesman.
 Berry, Howard C., 56 Hinckley st., Machinist.
 Berton, John F., 154 Morrison ave., Painter.
 Bickford, Arthur W., 4 Nashua st., Produce dealer. -
 Bigley, William J., 157 College ave., Merchant.
 Binney, Edward A., 39-A Walnut st., Real estate dealer.
 Bishop, Arthur W., 14 Ames st., Butter dealer.
 Bixby, Charles M., 72 Elm st., Grocer.
 Blake, Arthur W., 131 Josephine ave., Dry goods dealer.
 Blake, Charles S., 19 Banks st., Jeweler.
 Blanchard, C. Frederick, 2 Curtis ave., Real estate agent.
 Bliss, Winthrop R., 66 Putnam st., Insurance agent.
 Boodry, George R., 26 Josephine ave., Stenographer.
 Booth, William G., 51 College ave., Designer.
 Boutillier, Ernest G., 41 Ash ave., Salesman.
 Bowen, Lorenzo W., 16 Broadway, Real estate agent.
 Boyd, Ernest H., 37 Spencer ave., Gas inspector.
 Boyer, George R., 29 Wigglesworth st., Carpenter.
 Brackett, James F., 36 Fosket st., Broker.
 Brastow, George K., 162 Summer st., Clerk.
 Bremner, John A., 49 Bow st., Paper hanger.
 Brewer, George C., 170 Summer st., Insurance agent.
 Broadhead, William H., 86 School st., Machinist.
 Brock, John F., 60 Ossipee rd., No occupation.
 Brower, William H., 25 Cambria st., Ticket agent.
 Brown, Duncan, 23 Cedar st., Printer.
 Brown, George E., 14 Grand View ave., Woolen dealer.
 Brownell, Harlow C., 43 Curtis st., Clerk.
 Browning, Louis P., 171 Washington st., Master teamster.
 Bryant, Edgar S., 31 Bradley st., Undertaker.
 Bryant, Oliver S., 29 Aberdeen rd., Meat weigher.
 Bullard, Elbridge A., 21 Kidder ave., Slate dealer.
 Bullard, Walter H., 22 Stickney ave., No occupation.
 Burnett, Harry B., 16 Windsor rd., Bookkeeper.
 Burns, Andrew J., 103 Porter st., Clerk.
 Burroughs, Hamlin E., 83 Munroe st., Manager.
 Butler, George E., 27 Walnut rd., Conductor.
 Buttiner, Edward M., 351 Lowell st., Contractor.
 Buxton, Merrill W., 296-A Summer st., Piano maker.
 Buzzell, James H., 3 Whitman st., Private secretary.

C

Cahalan, Charles W., 89 Heath st., Plumber.
 Cahill, Denis J., 7-A Austin st., Real estate agent.
 Calkin, John B., 30 Irving st., Printer.
 Callaghan, Eugene F., 63 Poplar st., Switchman.
 Callaghan, Thomas J., 35 Rossmore st., Yardmaster.
 Cameron, George B., 170 Powder House blvd., Contractor

Cameron, John B., 41 Ware st., Tailor.
 Campbell, George C., 31 Jaques st., Foreman.
 Campbell, Henry F., 194 School st., Agent.
 Campbell, John W., 169 Highland ave., Manager.
 Carey, Edward E., 1 Homer sq., Clerk.
 Carleton, Oscar M., 7 Putnam st., Machinist.
 Carpenter, George O., 92 Highland ave., Salesman.
 Carr, Eugene P., 18 Benton rd., Jewelry manufacturer.
 Carr, Roy W., 130 College ave., Confectioner.
 Carrick, Samuel P., 271 Medford st., Journalist.
 Carter, Charles E., 12 Grand View ave., Electrician.
 Carter, Frederick P., 50 Boston st., Tool maker.
 Casey, William F., 53 Beacon st., Laborer.
 Cassidy, John E., 19 Winter st., Inspector.
 Chaffee, Emory F., 109 Pearl St., Druggist.
 Challis, Harry A., 114 Hudson st., Salesman.
 Chamberlain, Charles L., 62 Cross st., Car inspector.
 Chandler, Arthur S., 45 Aldrich st., Painter.
 Chandler, Harry S., 45 Jaques st., Chemist.
 Chapin, Alonzo B., 11 Mystic st., Collector.
 Cheever, Albert S., 6 Aldersey st., Div. superintendent.
 Cheney, Frederick E., 11 Oakland ave., Grocer.
 Chisholm, Duncan J., 3 Adrian st., Insurance agent.
 Choate, Melville E., 63 Walnut st., Clerk.
 Christie, Alexander B., 159 Glen st., Master teamster.
 Church, Warren H., 30 Warner st., Auditor.
 Clark, Alton L., 22 Bonner ave., Plumber.
 Clark, Charles W., 21 Westminster st., Foreman.
 Coates, Irving T., 254 Summer st., Chemist.
 Corwin, Charles R., 169 Summer st., Poultry dealer.
 Cotter, John, 17 Hathorn st., Foreman.
 Cotter, William F., 76 Sacramento st., Painter.
 Cowan, John F., 332 Summer st., Printer.
 Crawford, James A., 26 Eastman rd., Carpenter.
 Crenner, Bartlett P., 61 Adams st., Leather dealer.
 Crocker, Charles F., 42 Curtis st., Grocer.
 Cronin, John J., 47 Bow st., Painter.
 Crowell, Albert F., 53 Rogers ave., Bookkeeper.
 Crowell, Austin, 77 Columbus ave., Tailor.
 Crowell, Cutler C., 85 Benton rd., Manager.
 Cummings, Cecil H., 19 Robinson st., Produce dealer.
 Cummings, Frederick O., 9 Virginia st., Clerk.
 Curtis, Harry W., 33 Fenwick st., Agent.

D

Daggett, Charles H., 90 Bromfield rd., Chemist.
 Dalton, Charles H., 82 Holland st., Clerk.
 Dalton, James H., 39 Hall ave., Grocer.
 Daly, Charles E., 6 Joy st., Clerk.
 Darby, Frederick C., 48 Mystic ave., Foreman.
 Dardis, John F., 307 Washington st., Furniture finisher.
 Davenport, Howard H., 86 Munroe st., Superintendent.
 Davis, Harry C., 41 Pearson ave., Designer.
 Davis, Henry C., Jr., 88 Powder House blvd., Accountant.
 Davis, James, 402 Highland ave., Grocer.
 Davison, George Melville, 59 Victoria st., Steamfitter.
 Dawson, Howard, 70 Albion st., Clerk.
 Day, James A., 53 Columbus ave., Clerk.
 Day, John, 100 Fremont st., Musician.

Dean, Clarence H., 26 Lowden ave., Shipper.
 Dean, James E., 77 Jaques st., Laborer.
 Deering, Frank B., Jr., 35 Derby st., Clerk.
 Dellea, John J., 26 Otis st., Master teamster.
 Delorme, George F., 29 Trull st., Plater.
 Denvir, George H., 197 Summer st., Salesman.
 Despeaux, George W., 46 Burnside ave., Telephone insp.
 Dexter, Alonzo P., 58 Main st., Pedler.
 Dickey, William E., 33 Bromfield rd., Salesman.
 Dinsmore, Fred C., 8 Arthur st., Furniture mover.
 Dixon, David J., 27 Prichard ave., Painter.
 Dobinson, William J., 22 Greene st., Photo engraver.
 Dodge, Charles H., 196 Medford st., Teamster.
 Dodge, Waldo E., 9 Boston ave., Clerk.
 Doherty, Cornelius A., 15-A Cross st., Milkman.
 Doherty, George L., 169 Washington st., Undertaker.
 Donnell, Eugene D., 112 Packard ave., Real estate agt.
 Dooling, David H., 306 Washington st., Painter.
 Dort, Wilson C., 123 Orchard st., Dentist.
 Doten, Herbert W., 115 Glenwood rd., Contractor.
 Doty, Clark, 113 Glen st., Foreman.
 Dougherty, John E., 7 Oak st., Packer
 Doughty, Hartley L., 131 Glen st., Harness maker.
 Douglass, Herman F., 40 Derby st., Clothing cutter.
 Drew, Frank M., 18 Park ave., Paymaster.
 Drouet, E. Charles, 66 Walnut st., Real estate dealer.
 Dudley, Joseph A., 42 Lowden ave., Bookkeeper.
 Duggan, John P., 12 Edmands st., Cabinet maker.
 Duhig, John M., 34 Highland ave., Printer.
 Duncan, John, 2 Brastow ave., Manufacturer.
 Dunham, Harry A., 496 Medford st., Grocer.
 Durgin, Fred E., 52 Albion st., Electrician.
 Dwyer, James A., 48 Atherton st., Grocer.
 Dyer, Charles W., 23 Wigglesworth st., Foreman carp.
 Dykeman, William A., 60 Marshall st., Architect.

E

Earle, Clarence E., 318 Summer st., Printer.
 Eaton, Arthur W., 12 Westminster st., Salesman.
 Eaton, Paul S., 855 Broadway, Druggist.
 Edgerly, Frank C., 17 Veazie st., Milkman.
 Edgerton, Earle B., 157 Lowell st., Editor.
 Edmond, George A., 27 Gilman ter., Machinist.
 Edson, Charles A., 9 Dana st., Fruit dealer.
 Edwards, Edward H., 10 James st., Chiropodist.
 Egerton, Charles S., 63 Boston st., Tobacco dealer.
 Ela, William E., 106 Josephine ave., Type setter.
 Eldridge, George V., 14 Oak st., Plumber.
 Eldridge, George W., 89 Lowell st., Ice cream dealer.
 Eldridge, Osmond P., 227 Pearl st., Stock clerk.
 Eldridge, Washington F., 482 Medford st., Salesman.
 Elie, Rudolph F., 35 Fenwick st., Salesman.
 Elkins, Edward J., 30 Maple st., Teamster.
 Ellard, George W., 79 Ossipee rd., Accountant.
 Elliott, Waldo F., 28 Grant st., Candy maker.
 Emery, Everett C., 45 Prescott st., Bookkeeper.
 Epps, Charles A., 25 Cedar st., Clerk.
 Estabrook, Clarence L., 27 Park st., Engineer.
 Estey, Clarence A., 2 Pleasant ave., No occupation.

Evans, Charles H., 79 Beacon st., Printer.
 Evans, Harrison L., 39 Packard ave., Broker.
 Ewing, Joseph A., 296½ Broadway, Salesman.

F

Fairfield, Herbert E., 12 Lovell st., Bookkeeper.
 Fairhurst, Thomas, 24 Russell rd., Clerk.
 Fales, Elisha B., 746 Broadway, Wholesale grocer.
 Fales, Silas P., 120 Central st., Salesman.
 Farmer, Luke W., 92 Thurston st., Produce dealer.
 Farr, William I., 179 Albion st., Cabinet maker.
 Farrar, Willard S., 12 Adams st., Insurance agent.
 Fash, Reuben A., 14 Wheeler st., Ice cream dealer.
 Fay, Francis H., Jr., 105 Linwood st., Unemployed.
 Felch, Lewis E., 10 Giles pk., Billiard room keeper.
 Felt, Irwin S., 36 Bay State ave., Lunch room proprietor.
 Felt, Jonathan B., 41-B Gilman st., Produce dealer.
 Fenelon, J. Robert, 45 Union sq., Real estate agent.
 Ferguson, Herbert J., 12 Ibbetson st., Clerk.
 Fermoyle, William J., 16 Wesley st., Painter.
 Fickinger, Frank A., 21 Packard ave., Broker.
 Fillebrown, Arthur M., 15 Buckingham st., Machinist.
 Fillmore, Willard P., 19 Conwell st., Carpenter.
 Fish, Benjamin F., Jr., 24 Boston st., Helper.
 Fish, Delos D., 57 Packard ave., Carpenter and Builder.
 Fisher, Henry W., 46 Highland ave., Engraver.
 Fitch, George B., 19 Dow st., Tailor.
 Fitch, Nathan H., 21 Wheeler st., Salesman.
 Fitz, Charles E., 43 Thurston st., Manager.
 FitzGerald, James B., 21 Oak st., Salesman.
 Fitzpatrick, Timothy J., 318 Washington st., Foreman.
 Fleming, David, 63 Hudson st., Grocer.
 Fleming, William, 73 Florence st., Printer.
 Fletcher, Francis E., 17 Kidder ave., Fruit dealer.
 Flint, Lester E., 22 Dover st., Bank clerk.
 Flynn, Joseph Edward, 31 Linden st., Clerk.
 Fogerty, John F., 118 Bartlett st., Foreman.
 Ford, Charles S., 11 Grove st., Canvasser.
 Ford, Patrick J., 184 Somerville ave., Foreman.
 Fortin, George F., 108 School st., Painter.
 Foster, Herbert G., 15 Greenwood ter., Clerk.
 Foster, John B., 66 Irving st., Artist.
 Foster, Willie F., 56 Curtis st., Bookkeeper.
 Fowler, Frank L., 181 Powder House blvd., Pressman.
 Francis, J. Arthur, 100 Broadway, Salesman.
 France, John Anslie, 15 Oxford st., Lithographer.
 Freeman, Ebenezer S., 28 Campbell pk., Fish dealer.
 Freeman, Frederick S., 22 Tower st., Candy maker.
 Freeze, Frank E., 89 Ossipee rd., Adjuster.
 French, James M., 60 Adams st., Ticket agent.
 Frisbie, Percy C., 75 Ossipee rd., Clerk.
 Frost, Thomas, 47 Pearl st., Foreman.
 Frye, Daniel M., 222 Highland ave., Secretary.
 Fryer, John J., 29 Hall ave., Salesman.
 Fuller, Charles W., 35 Montrose st., Machinist.
 Fuller, George F., 20 Park ave., Salesman.
 Fuller, Henry M., 26 Everett ave., Salesman.
 Furlong, Arthur W., 42 Greenville st., Freight agent.
 Fyfe, Charles S., 14 Albion st., Shirt cutter.

G

Gage, B. Raymond, 43 Evergreen ave., Clerk.
 Gage, Sewell J., 96 Sycamore st., Collector.
 Garland, Charles T., 158 Pearl st., Coal dealer.
 Garratt, Russell Newton, 98 Packard ave., Salesman.
 Garrett, Frank R., 226 Elm st., Grocer.
 Gazeley, Arthur E., 94 Marshall st., Secretary.
 Geddes, James, 38 Munroe st., Manager.
 Gibby, Adam H., 200 Summer st., Lamp trimmer.
 Gibby, Frank L., 42 Montrose st., Clerk.
 Gibby, S. James, 42 Montrose st., No occupation.
 Gilbert, Frank A., 84 Lexington ave., Druggist.
 Gill, William T., 5 Fountain ave., Undertaker.
 Gillis, Daniel B., 27 Willow ave., Builder.
 Gillmore, Horace E., 43 Heath st., Salesman.
 Gilmore, Solon E., 33 Crocker st., No occupation.
 Gleason, John L., 17 Dow st., Electrician.
 Glover, Ellis H., 36 Tufts st., Salesman.
 Godfrey, Walter J., 14 Harvard pl., Painter.
 Goebel, John W., 90 Pearson ave., Salesman.
 Golden, Isaac, 9 Crown st., Bookkeeper.
 Golden, Joseph F., 24 Bay State ave., Salesman.
 Good, Richard Y., 30 Brastow ave., Manager.
 Goodwin, Charles O., 54 Benton rd., Salesman.
 Gordon, Harry W., 88 Ossipee rd., Bookkeeper.
 Goss, William E., 30 Oxford st., Draughtsman.
 Gould, William T., 65 Pearson ave., Electrician.
 Gove, George H., 14 Wesley st., Surveyor.
 Grace, William B., 85-A Partridge ave., Grocer.
 Grady, Dennis, 358 Lowell st., Tailor.
 Graham, James L., 19-A Morton st., Shipper.
 Graves, David B., 68 Josephine ave., Clothing dealer.
 Graves, Frank W., 27 Winslow ave., Car inspector.
 Gray, Daniel Elmore, 75 Lowden ave., Manager.
 Gray, John H., 44 Marshall st., Wood carver.
 Green, J. Rush, 11 Cambria st., Manufacturer.
 Greene, Frederick A., 203 Pearl st., Real estate dealer.
 Gridley, Joseph, 179 Highland ave., Restaurant proprietor.
 Grieves, William W., 57 Dartmouth st., Bookkeeper.
 Grover, Mazina S., 80 Bay State ave., Machinist.
 Grover, Nelson H., 26 Oxford st., Agent.
 Groves, Leander F., 9 Eastman rd., Plumber.
 Guild, Julius J., 325 Washington st., Clerk.
 Gustin, Herbert I., 80 Benton rd., Manager.

H

Hadley, Norris E., 35 Conwell ave., Draughtsman.
 Hagar, George N., 8 Waterhouse st., Real estate agent.
 Hager, John M., 27 Walter st., Milkman.
 Haines, Alonzo M., 63 Berkeley st., Insurance supt.
 Hale, Alfred J., 54 Partridge ave., Clerk.
 Haley, Joseph A., 7 Linden st., Printer.
 Hall, Charles E., 164 Broadway, Shipper.
 Hall, Frederic D., 26 Dartmouth st., Electrical engineer.
 Hall, George G., 89 Cross st., Printer.
 Hall, Harley E., 22 Pleasant ave., Stable keeper.
 Hall, Ira L., 25 Joseph st., Automobile machinist.
 Hall, Roy, 100 Conwell ave., Clerk.

Halnan, Frederick J., 12 Holyoke rd., Drug clerk.
Ham, Arthur E., 22 Walter st., Salesman.
Hamilton, Alexander M., 219 Summer st., Cabinet maker.
Hamilton, George L., 24 Spencer ave., Wholesale jeweler.
Hamilton, John R., 224 Willow ave., Clerk.
Handy, Daniel N., 90 Oxford st., Librarian.
Handy, Otis A., 11 Heath st., Printer.
Haney, Joseph G., 31 Fountain ave., Clerk.
Hanna, William F., 30 Fenwick st., Compositor.
Harding, William F., 330-A Highland ave., Compositor.
Harmer, James T., 18 Adams st., Railway president.
Harmon, Charles H., 163 Willow ave., Salesman.
Harrington, Arthur D., 26 Oak st., Salesman.
Harrington, Enos B., 31 Holyoke rd., Stone cutter.
Harrington, Wendell P., 47 Cedar st., Agent.
Hart, Charles J., 38 Bay State ave., Optician.
Hartwell, Haywood, 77 Munroe st., Carpenter.
Haskell, Albert L., 60 Putnam st., Printer.
Haskell, William H., 212 Holland st., Plumbing instrctr.
Hastings, Herbert A., 17 Pleasant ave., Conductor.
Hatch, Arthur E., 46 Browning rd., Vice-president.
Hatch, Selden L., 79 Benton rd., Truckman.
Hathaway, William T., 27 Pearson rd., Bookkeeper.
Hayden, Robert V., 29 Linden ave., Carpenter.
Hayes, Walter A., 18 Lowden ave., Salesman.
Hayward, John G., 5 Windom st., Real estate agent.
Heald, Almon F., 83 Belmont st., Fruit broker.
Heald, Francis, 44 Spencer ave., Furnishings dealer.
Hellmann, Charles W., 400 Medford st., Clerk.
Hemingway, Hermon S., 8 Oakland ave., Real estate agt.
Henderson, Charles P., 61 Rogers ave., Hatter.
Henderson, Herbert L., 28 Billingham st., Iron mercht.
Henderson, Joseph J., 242 Summer st., Clerk.
Heustis, Harry H., Jr., 23 Chester ave., Agent.
Hibbard, John P., 30 Cambria st., Optician.
Hicks, Carlton, 8 Charnwood rd., Traveling salesman.
Higgins, Byron E., 243 School st., Mason.
Higgins, Clarence A., 57 Concord ave., Shipper.
Higgins, Frederick A., 25 Berkeley st., Compositor.
Higgins, Morton C., 8 Williams ct., Carpenter.
Hill, Allen Philip, 155 Sycamore st., Merchant.
Hill, Arthur B., 17 Norwood ave., Musician.
Hill, Burton W., 8 Munroe st., Engineer.
Hilliard, Ernest W., 30 Line st., Egg lighter.
Hills, Arthur T., 8 Teele ave., Insurance agent.
Hills, William H., 41 Belmont st., Editor.
Hobbs, Fred A., 3 Lincoln pl., Clerk.
Hodge, Charles W., 26 Billingham st., Accountant.
Hodgkins, Edward S., 139 Orchard st., Clerk.
Hoit, Edward P., 275 Highland ave., Fish dealer.
Hoitt, Edward D., 32 Farragut ave., Accountant.
Holland, Charles J., 30 Aldrich st., House decorator.
Holland, William L., 30 Aldrich st., Printer.
Hollis, George O., 45 Marshall st., Milk driver.
Holmes, Frank H., 29-A Veazie st., Superintendent.
Holmes, Fredrick M., 22 Maple ave., Salesman.
Holmes, Ralph N., 67 Lexington ave., Electrician.
Holmes, Samuel, 49 Thurston st., Produce dealer.
Holt, Arthur T., 41 Laurel st., chauffeur.

Holt, Harry E., 82 Ossipee rd., Salesman.
 Holyoke, Arthur H., 19 Linden ave., Pattern maker.
 Hood, Charles H., 2 Benton rd., Milk dealer.
 Hood, Edward J., 45 Walnut st., Milk dealer.
 Hooper, Harry A., 41 Munroe st., Bookkeeper.
 Hopkins, Charles O., Jr., 268 Willow ave., Clerk.
 Hopkins, Willis F., 10 Lee st., Manager.
 Horton, Clarence W., 48 Irving st., Assistant treasurer.
 Hosmer, Ralph H., 51 Mt. Vernon st., Poultry dealer.
 Houghton, Edgar W., 20 Gilman ter., Salesman.
 Howard, Charles W., 54 Spring st., Provision dealer.
 Howard, Edmund T., 58 Bow st., Bookkeeper.
 Howard, Eugene P., 11 Hall ave., Salesman.
 Howe, Otis W., 1 Kensington ave., Manager.
 Hoyt, Fred A., 73 Chandler st., Superintendent.
 Hubbard, Curtis A. L., 22 Fremont st., Salesman.
 Hubbard, Harry H., 40 Marshall st., No occupation.
 Hudson, George H., 11 Evergreen ave., Manager.
 Huff, Wilbur S., 55 Bartlett st., Bookkeeper.
 Hughes, Charles W., 267 Highland ave., Painter.
 Humphrey, Walter E., 50 Albion st., Salesman.
 Hunter, Robert B., 114 Rogers ave., Cableman.
 Hurn, George F., 7 Oakland ave., Upholsterer.
 Hutchins, Charles K., 24 Wesley pk., No occupation.
 Hyde, Joseph W., 31 Sewall st., Clerk.

I

Ingalls, George A., 61 Pearl st., Broker.
 Ingham, John S., 27-B Summer st., Clerk.
 Inman, Allan C., 89 Josephine ave., Stenographer.
 Ireland, George H., 28 Appleton st., Blacksmith.
 Ireland, Olin F., 734 Broadway, Finisher.
 Irving, Edward T., 34 Moore st., Milkman.
 Ivester, Joseph A., 52 Victoria st., Clerk.

J

Jackson, Arthur J., 274 Willow ave., Salesman.
 Jackson, Arthur W., 160 Lowell st., Salesman.
 Jackson, William L., 27 College ave., Buyer.
 Jacobs, Charles E., 39 Benton rd., Provision dealer.
 James, George F., 66 Mystic ave., Teamster.
 James, Williams B., 16 Westwood rd., Poultry dealer.
 Janes, George Francis, 63 Evergreen ave., Provision dlr.
 Jaques, George T., 43 Temple st., Teamster.
 Jeffery, Harry D., 89 Mt. Vernon st., Mechanic.
 Jelly, William J., 77-A Moreland st., Iron worker.
 Jenkins, J. Stewart, 87 Bartlett st., Printer.
 Jenness, Walter G., 103 Pearson ave., Lumber dealer.
 Jennings, Chester R., 22 Cedar st., Collector.
 Johnson, Albert H., 18-A Broadway, Baggage master.
 Johnson, Arthur H., 128 Powder House blvd., Salesman.
 Johnson, Charles M., 19 Boston ave., Plumber.
 Johnson, John, 77 Pearl st., Stable keeper.
 Johnson, Robert A., 33 Teele ave., Shipper.
 Johnson, Walter M., 48 Tennyson st., Salesman.
 Johnston, W. Perry, 77 Belmont st., Superintendent.
 Jones, Amos P., 6 Highland ave., Salesman.
 Jones, Fred B., 18 Bromfield rd., Pattern maker.
 Jones, Guy E., 208 Holland st., Electrician.

Jones, Ralph P., 141 Powder House blvd., Manager.
 Joiner, Alexander J. M., 90 Bartlett st., Manager.
 Jolley, Joseph H., 57 Bromfield rd., Manager.
 Jordan, Fred W., 216 Elm st., Furniture mover.
 Joslyn, Will C., 37 Banks st., Salesman.
 Judge, John T., 20 Rossmore st., Clerk.
 Justis, Albert Y., 10 Farragut ave., Shipper.

K

Kane, Thomas H., 28 Fellsway west, Salesman.
 Kaula, Charles H., 38 Richdale ave., Salesman.
 Kaulback, Sumner T., 34 Highland rd., Meter maker.
 Kauler, John E., 139 Perkins st., Undertaker.
 Keach, Charles A., 34 Lowden ave., Bookkeeper.
 Keay, Fred E., 153 College ave., Financial editor.
 Keddy, Thomas A., 35 Josephine ave., Salesman.
 Keefe, Charles W., 34 Stone ave., Bookkeeper.
 Keene, Charles H., 12-A Kensington ave., Foreman.
 Kegler, Albert G., 34 Lowden ave., Clerk.
 Kegler, Frederick G., 34 Lowden ave., Contractor.
 Kelley, Charles F., 62 Highland ave., Glassware dealer.
 Kelley, John B., 250 Willow ave., Monotype operator.
 Kelley, Robert H., 962 Broadway, Printer.
 Kendall, Edward J., 349 Summer st., Potato dealer.
 Kendall, Phillip S., 41 Russell st., Milkman.
 Kendall, Warren C., 186 Central st., Superintendent.
 Kennamon, Thomas W., 47 Main st., Stevedore.
 Kennedy, James J., 43 Dartmouth st., Teamster.
 Kenney, Oliver G., 10 Franklin ave., Automobile repairer
 Kent, Benjamin F., 65 Rogers ave., Salesman.
 Keyes, Charles A., 6 Adams st., Butter dealer.
 Keyes, George R., 23 Auburn ave., Clerk.
 Kidder, Charles A., 100 Central st., Salesman.
 Kilton, William F., 9 Upland pk., Clerk.
 King, Charles R., 9 Prospect Hill ave., Grocer.
 Kingman, Herbert S., 14 Westwood rd., Manager.
 Kingston, Thomas H., 45 Banks st., Salesman.
 Kinney, Edgar L., 92 Sycamore st., Bookkeeper.
 Knight, Charles, 172 Summer st., Broker.
 Knight, Perley H., 20 Preston rd., Printer.
 Knight, William E., 425 Norfolk st., Watchman.
 Knowlton, Edward B., 43 Greenville st., Pattern maker.
 Kramer, Everett A., 26 Madison st., Shipper.
 Kuhn, William H., 227 Summer st., Grocery clerk.
 Kyte, John A., 47 Main st., Druggist.

L

Ladd, George W., 14 Elston st., Manager.
 Lighton, Everett W., 242 Pearl st., Clerk.
 Lailer, Waldo H., 369 Medford st., Salesman.
 Lakin, George W., 215 College ave., No occupation.
 Lamb, Richard, 33 Vinal ave., Salesman.
 Lambert, Frank S., 10 Cross st., Painter.
 Lamont, George H., 13 Conwell ave., Provision dealer.
 LaMoure, William T., 74 Boston st., Railroad super.
 Land, Lawrence P., 60 Marshall st., Salesman.
 Lander, Carl W., 75 School st., Newspaper mailer.

Lane, Edward A., 20 Wyatt st., Salesman.
 Lane, George B., 65 Bromfield rd., Manager.
 Lane, Theron H., 88 Orchard st., Merchant.
 Langdon, Harry, 41 Sargent ave., druggist.
 Laskey, Frank S., 25 Boston st., Cotton waste dealer.
 Leathe, Arthur H., 254 Highland ave., Draperies dealer.
 Leathers, Harry H., 7 Greenville ter., Salesman.
 Leary, John J., 23 Knowlton st., Salesman.
 Leavitt, Frank W., 464 Somerville ave., Wagon mfr.
 Lee, Harry S., 50 Madison st., Floor manager.
 Leitch, Samuel, 93 Liberty ave., Soda clerk.
 Leland, John D., 34 Irving st., Printer.
 Lewis, Andrew R., 48 Kidder ave., Carpenter & builder.
 Lewis, Frank B., 30 Aberdeen rd., Printer.
 Lewis, Wayland H., 15 Westwood rd., Treasurer.
 Lheureux, Joseph N., 24 Garrison ave., Clerk.
 Libby, George R., 61 Hall ave., Stationer.
 Lincoln, Rollin T., 40 Harvard st., Salesman.
 List, James G., 19 Tufts st., Gold beater.
 Litchfield, Harry W., 181 Broadway, Retired.
 Littlefield, Thatcher E., 71 Bay State ave., Lumber dealer
 Lloyd, William C., 104 Holland st., Expressman.
 Locatelli, John E., 50 Lowell st., Contractor.
 Locke, George H., 22 Montrose st., Produce dealer.
 Locke, Stephen S., 11 Prospect Hill ave., Produce dealer.
 Lombard, John H., 15 Walnut rd., Master teamster.
 Lombard, Peter J., 112 Thurston st., Master teamster.
 Long, Alonzo G., 96 Glenwood rd., Printer.
 Long, John H., 113 School st., Teamster.
 Lord, Francis H., 45 Avon st., Salesman.
 Lord, Guy M., 69 Chandler st., Optician.
 Loring, Robert B., 45 Tennyson st., Treasurer.
 Lothrop, Herbert A., 217 College ave., Printer.
 Loudon, Thomas, 81 School st., Salesman.
 Loveland, Charles M. N., 898 Broadway, Stenographer.
 Lovell, Willard C., 51 Fairmount ave., Piano tuner.
 Lovejoy, George H., 167 Highland ave., Warehouse man.
 Lovering, Everett L., 48½ Prescott st., Piano tuner.
 Lovett, Arthur L., 42 Cedar st., Salesman.
 Lowell, Charles W., 53 Francesca ave., Produce dealer.
 Lunt, Fred E., 24 Hall ave., Teller.
 Lussier, George A., 40 Raymond ave., Screen maker.
 Lyford, Frank D., 20 Lincoln ave., Carpenter.
 Lynch, Bartholomew, 120 Walnut st., Finisher.
 Lynch, William P., 88 Avon st., Agent.

M

Macabe, George A., 224 Medford st., Sign painter.
 McCarthy, Charles F., 22 Thorpe st., Jeweler.
 McCarthy, John J., 220 Summer st., Superintendent.
 McCarty, John J., 236 School st., Charcoal dealer.
 McDermott, William J., 12 Mossland st., Clerk.
 Macdonald, Eugene B., 9 Crocker st., Manager.
 MacDonald, Leo. E., 85 Porter st., Draughtsman.
 McDonald, Robert D., 18 Greene st., Upholsterer.
 McFarland, John A., 41 Burnside ave., Artist.
 McGregor, Thomas G., 20 Curtis st., Buyer.
 McKay, Alexander, 36 Oak st., Grocer.
 McKenna, George F., 292 Lowell st., Undertaker.

McLean, James A., 30 Banks st., Foreman.
McMurdie, Origen A., 33 Lexington ave., Clerk.
Macomber, George A., 102 Thurston st., Clothing dealer.
McSweeney, John J., 331 Washington st., Printer.
Madden, John H., 69 Concord ave., Brass finisher.
Maddison, Thomas B., 221 Morrison ave., Bookkeeper.
Maddocks, John H., 17 Wallace st., Designer.
Maddox, George W., Jr., 193 Broadway, Salesman.
Magee, James L., 65 Atherton st., Foreman.
Magoon, Frank P., 38 Madison st., Clerk.
Magown, Herbert B., 14 Clark st., Clerk.
Manning, Charles M., 32 Lake st., Foreman.
Manning, Daniel F., 86 Gilman st., Clerk.
Manning, Thomas F., 44 Highland ave., Clerk.
Mansfield, Charles S., 8 Pinckney pl., Foreman.
March, John M., 15 Ash ave., Well driller.
Marden, George F., 25 Francesca ave., Pattern maker.
Marks, Frank P., 33 Windsor rd., Real estate agent.
Marsh, Alden P., 47 Burnside ave., Wire inspector.
Marsh, George, 16 Powder House ter., Real estate agent.
Marsh, William H., 27 Cutter st., Teamster.
Marshall, Albert A., 11 William st., Clerk.
Marshall, Arthur C., 75 Trull st., Carpenter.
Martin, Alton G., 39 Bradley st., Salesman.
Martin, Frank L., 120 Josephine ave., Dock super.
Martin, Willard E., 16 Montgomery ave., Salesman.
Martis, Christopher H., 26 School st., Printer.
Mason, Arthur F., 18 Hall ave., Soap manufacturer.
Mason, Frank J., 30 Pembroke st., Bookkeeper.
Mason, William S., 20 Austin st., Meat cutter.
Masury, Walter R., 367 Somerville ave., Collector.
Mathews, Ira C., 82 Lexington ave., Electrician.
Maxim, William W., 59 Boston st., Commission merch.
Maxwell, Madison M., 22 Greenville st., bookkeeper.
Mead, Adelbert F., 74 Chandler st., Marketman.
Melvin, Patrick C., 56 Elm st., Tailor.
Mercer, William L., Jr. 342 Broadway, Real estate agt.
Meriam, Arthur J., 11 Evergreen ave., Clerk.
Merrill, Warren A., 10 Lovell st., Salesman.
Merritt, Robert H., 47 Cherry st., Agent.
Miller, Samuel E., 42 Lowden ave., Clerk.
Miller, Thomas, Jr., 24 Pleasant ave., Salesman.
Mink, Edward, 85 Elm st., Electrician.
Money, Joseph A., 54 Myrtle st., Manufacturer.
Monks, Charles A., 398 Medford st., Salesman.
Moore, Arthur G., 11 Rogers ave., Printer.
Morgan, George H., 12 Sunnyside ave., Coffee roaster.
Morris, Walter B., 51 Tufts st., Teamster.
Morrison, Frank E., 23 Brook st., Provision dealer.
Morrison, James, 62 Albion st., Salesman.
Mortimer, Alfred C., 12 Lester ter., Superintendent.
Morton, Nelson G., 44-A Hancock st., Editor.
Moulton, Harold, 37 Warner st., Salesman.
Muir, John M., 79 Marshall st., Merchant.
Muldoon, James J., 24 Putnam st., Manager.
Mullin, Thomas F., 43 Beacon st., Meat inspector.
Murch, Elmer F., 55 Adams st., Printer.
Murphy, James J., 93 Central st., No occupation.
Murphy, James J., 113 School st., Division superintendent

Murphy, Joseph H., 4 Thurston st., Clerk.
 Murray, James J., 47 Rogers ave., Printer.
 Myers, Mark B., 15 Teele ave., Salesman.

N

Nelson, William F., 33 Robinson st., Butter dealer.
 Newcomb, William I., 7 Prichard ave., Foreman.
 Newhouse, George, 64 Bonair st., Truckman.
 Newton, Elbridge W., 8 Westwood rd., Agent.
 Newton, William M., 84 Bay State ave., Clerk.
 Nicholson, Bartlett T., 368 Highld. av., door & blind mfr.
 Nickerson, Frank R., 47 Liberty ave., Clerk.
 Nickerson, Waldo H., 5 Wellington ave., Bookkeeper.
 Nickles, James W., 14 William st., Produce dealer.
 Niles, Franklin T., 229 Pearl st., Manager.
 Nolan, James H., 30 Concord ave., Clerk.
 Nolan, Thomas M., 15 Mountain ave., Editor.
 Northrop, Howard B., 64 Conwell ave., Salesman.
 Noyes, Charles S., 3 Sargent ave., Cigar manufacturer.
 Noyes, William H., 13 Florence st., Foreman.
 Nute, Alfred D., 329 Highland ave., Shoemaker.
 Nyman, Ernest D., 5 Wigglesworth st., Baggage master.

O

O'Brien, Edmund L., 493 Broadway, Insurance agent.
 O'Brien, Edward J., 267 Willow ave., Auditor.
 O'Brien, George J., 383 Summer st., Teamster.
 O'Brien, John J., 8 Durham st., Merchant.
 O'Brien, William E., 70 Prospect st., Provision dealer.
 O'Brion, Fulton, 226 Summer st., Hay and grain dealer.
 O'Connell, Daniel H., 343 Summer st., Clerk.
 O'Connor, J. Edward, 36-R Myrtle st., Teamster.
 O'Connell, Thomas Meade, 43 Highland rd., Shipper.
 Odell, Harold E., 44 Rogers ave., Machinist.
 Odiorne, Howard E., 15 Greenville st., Civil engineer.
 O'Donnell, James A., 44 Temple st., Engineer.
 O'Hea, Frank J., 482 Medford st., Salesman.
 Oldfield, Ernest W., 97 Perkins st., Teamster.
 O'Leary, Peter, 21 Pinckney st., Car inspector.
 Olson, Otto, 741 Broadway, Carpenter and builder.
 O'Neill, Cornelius, 4 Beech st., Motorman.
 Ordway, Frank A., 271 Willow ave., Butter dealer.
 Osborn, Edgar W., 86 Porter st., Concrete contractor.
 Osgood, Charles G., 22 Dover st., Coal dealer.
 Owens, James A., 5 Spring Hill ter., Tailor.
 Oowler, Edward, 30 Browning rd., Clerk.
 Oxnard, John H., 156 School st., Manager.

P

Packard, Frank D., 18 Buckingham st., Salesman.
 Paine, Arthur C., 91 Perkins st., Insurance agent.
 Paon, Charles C., 16 Langmaid ave., Clerk.
 Parker, George S., 29 Josephine ave., Shipper.
 Parker, John H., 16 Chandler st., Salesman.
 Partridge, Ashley W., 346 Summer st., Superintendent.
 Patterson, Arthur E., 16 Claremon st., Electrician.
 Patterson, William S., 99 School st., Builder.

Patton, James H., 15 Hall ave., Civil engineer.
 Pearson, Albert L., 11 Teele ave., Electrical engineer.
 Pearson, Arthur G., 3 Sargent ave., Confectioner.
 Pendleton, Sumner M., 41 Simpson ave., Book binder.
 Perkins, George H., 4 Essex st., Salesman.
 Perkins, Roy M., 167-A Pearl st., Superintendent.
 Perry, William E., 69 Marshall st., Salesman.
 Peterson, Charles E., 15 Murray st., Bookkeeper.
 Peterson, Oscar C., 22 Newbury st., Jeweler.
 Phelps, George A., 222 Broadway, Printer.
 Phillips, George W., 71 Hudson st., Agent.
 Phillips, Joseph P., 6 Giles pk., Head waiter.
 Phillips, Lorenzo R., 138 Powder House blvd., Bookkpr.
 Pickard, Elbridge A., 78 Chandler st., Grocer.
 Pickering, Leon D., 36 Madison st., Clerk.
 Pickthall, Richard E., 182 Central st., No occupation.
 Pierce, Charles H., 13 Morgan st., Clerk.
 Pierce, William F., 15 Chester pl., Salesman.
 Pigon, Joseph H., 36 Wallace st., Clerk.
 Pillsbury, Robert F., 22 Hamlet st., Assistant cashier.
 Pincus, Joseph J., 41 Lexington ave., Manager.
 Piper, Hiram E., 16 Jaques st., Draftsman.
 Pitcher, Redington, 1 Thurston st., Salesman.
 Pitman, J. Russell, 9 Lee st., Clerk.
 Plimpton, Franklin F., 151 Elm st., Superintendent.
 Plumer, William E., 197 Washington st., Hardware dealer.
 Polk, Eugene H., 68 Mt. Pleasant ct., Freight clerk.
 Pond, George W., 91 Bay State ave., Clothing dealer.
 Porter, C. Frank, 34 Franklin st., Musician.
 Porter, Henry P., 17 Hillside pk., Printer.
 Porter, James E., 13 Waterhouse st., Conductor.
 Porter, Joseph W., 31 Hudson st., Draperies dealer.
 Powell, Frederick A., 3 Conwell st., Carpenter.
 Powell, Ralph W., 225-A Highland ave., Salesman.
 Pratt, George W., 35 Clark st., Clerk.
 Prescott, Albion M., 14 Sanborn ave., Furniture mover.
 Prescott, Charles A., 5 Lexington ave., Printer.
 Prescott, Horace A., 411 Highland ave., Milk dealer.
 Prescott, Willard L., 19 Pearson rd., Clerk.
 Preston, William A., 179-A Pearl st., Shipper.
 Price, Elmer A., 35 Bartlett st., Bookkeeper.
 Prichard, George W., 16 Fremont st., Foreman.
 Pride, Edwin L., 9 Browning rd., Accountant.
 Prior, Charles W., 23 Greene st., Electrician.
 Proctor, Frederick J., 225 Medford st., Motorman.
 Proctor, George Waldo, 44 Spring st., Hay & grain dlr.
 Proudfoot, Christopher R., 88 Holland st., Timekeeper.
 Puffer, Charles, 14 Dartmouth st., Merchant.
 Purdy, Frank W., 12 Prescott st., Shipper.
 Pynn, Edward, 29 Ash ave., Show case maker.

Q

Quimby, Frank W., 309 Summer st., Stenographer.
 Quinlan, John P., 8 Buckingham st., Driver.
 Quinn, John J., 7 Shawmut st., Foreman.
 Quinn, John W., 15 Oak st., Candy dealer.
 Quirk, James, 153-A Somerville ave., Janitor.

R

Ralph, Howard L., 66 Bromfield rd., Manager.
 Ralph, James E., 24 Bromfield rd., Fish dealer.
 Ralston, Robert S., 38-A Oliver st., Composer.
 Rand, Fred C., 35 Banks st., Assistant supervisor.
 Rankin, Albert, 5 Irving st., Carpenter.
 Rawles, Aaron B., 16 Broadway, Clerk.
 Raymond, John M., 37 Jaques st., Bookkeeper.
 Rayner, James E., 143 Sycamore st., Manager.
 Reardon, Timothy J., 28 Bromfield rd., Salesman.
 Reed, Charles Chester, 163 Elm st., Assistant paymaster.
 Reed, Nathan P., 42 Browning rd., Manager.
 Rees, Warren C., 183 Willow ave., Typewriter dealer.
 Remick, Lewis H., 45 Josephine ave., Machinist.
 Reynolds, James B., 4 Concord ave., Clerk.
 Reynolds, James F., 7 Adams st., Insurance agent.
 Rhodes, Harry L., 275 Summer st., Manager.
 Rice, Charles A., 33-C Dover st., Clerk.
 Rich, Arthur W., 41 Mt. Pleasant st., Electrician.
 Rich, Reuben D., 34 Grant st., Teamster.
 Richards, Charles A., 16-A Hall st., Marketman.
 Richards, William P., 44 Day st., Architect.
 Richmond, Charles, 7 Munroe st., Clothing salesman.
 Ricker, George E., 27 College ave., Hotel proprietor.
 Riley, Philip W., 55 Josephine ave., Webb pressman.
 Riley, William F., 45 Main st., Bookkeeper.
 Ringer, Thomas F., 61 Central st., Insurance supt.
 Ripley, Lawrence G., 48 Rogers ave., Piano tuner.
 Ripley, Prentiss T., 50 Hall ave., Tile maker.
 Rivers, Fred S., 35 Charnwood rd., Electrician.
 Robbins, George D., 23 Jay st., Salesman.
 Robbins, Lucien N., 33 Everett ave., Grocer.
 Robbins, Nathan, 22 St. James ave., No occupation.
 Robbins, William T., 51 Jaques st., Provision dealer.
 Roberts, Arthur H., 24 Fairmount ave., Salesman.
 Roberts, Harry, 91 Sacramento st., Junk collector.
 Roberts, Henry P., 769 Broadway, Printer.
 Roberts, William H., 62 Chandler st., Clerk.
 Robertson, Henry W., 43 Robinson st., Publisher.
 Robertson, Walter E., 8 Linden ave., Clerk.
 Robie, Walter A. H., 227 Highland ave., Jeweler.
 Robinson, Arthur W., 118 Highland rd., Auditor.
 Robinson, Edward E., 105 Rogers ave., Bookkeeper.
 Robinson, Richard H., 18 Thorndike st., Core maker.
 Rockwell, Leonard W., 315-A Beacon st., Meat cutter.
 Rockwood, Albert P., 68 Columbus ave., Stable keeper.
 Rodway, Charles B., 52 Morrison ave., Salesman.
 Rogers, Andrew J., 25 Bay State ave., Sail maker.
 Rogers, Ernest K., 42 Gibbens st., Bookkeeper.
 Rogers, Francis F., 95 Highland ave., Master painter.
 Rogers, Joseph F., 62 Highland ave., Insurance agent.
 Rolfe, George H., 15 Lexington ave., Druggist.
 Rooks, Julius R., 46 Highland rd., Fuel agent.
 Rose, Edward, 127 Josephine ave., Salesman.
 Ross, Frank E., 42 Highland ave., Contractor.
 Ross, William H., 37 Laurel st., Broker.
 Rowe, John J., Jr., 11 Elston st., Estimator.
 Rowell, Warren A., 99 Belmont st., Clerk.
 Rugg, William C., 31 Wigglesworth st., Fish dealer.

Russell, Andrew J., 20 Alston st., Clerk.
 Ryan, Henry L., 11 Atherton st., Clerk.
 Ryan, Matthew J., 20 Columbus ave., Manager.
 Ryder, Howard F., 54 Francesca ave., Salesman.
 Ryder, James M., 135 Lowell st., Fish dealer.

S

St. John, Austin W., 25 Greene st., Manager.
 Sanborn, J. Walter, 183 Central st., Commission merchant
 Sargent, A. Eugene, 2 Sargent ave., Clerk.
 Sargent, Charles W., 101 Rogers ave., Salesman.
 Saunders, Alfred J., 24 Powder House ter., Electrician.
 Savage, Walter F., 90 Conwell ave., Storekeeper.
 Saville, J. Freeman, 64 Sycamore st., Salesman.
 Savory, Thomas C., 103 Belmont st., Salesman.
 Sawyer, Carroll W., 51 Willow ave., Salesman.
 Sawyer, Henry R., 10 Browning rd., Real estate dealer.
 Sawyer, Horace C., 140 Highland rd., Receiver.
 Schrafft, William E., 49 Belmont st., Candy manufacturer.
 Scott, John Winfield, 35 Hawthorne st., Printer.
 Sears, Edward S., 130 College ave., Bookkeeper.
 Sears, George R., 19 Columbus ave., Purchasing agent.
 Seymour, Alfred A., 10 Brook st., Salesman.
 Sharkey, James F., 31 Thurston st., Manager.
 Shattuck., Ernest V., 59 Glen st., Meat cutter.
 Shay, James J., 68 Mt. Pleasant ct., Manager.
 Shepard, Frederick E., 191 Broadway, Salesman.
 Sheridan, Bernard J., 36 Highland rd., Baggage man.
 Sherriff, Guy M., 238 School st., Manager.
 Shirley, Percy E. S., 45 Union sq., Retired.
 Sholes, Harry W., 10 Cypress st., Clerk.
 Sillers, Charles M., 4 Aldrich st., Salesman.
 Simpson, Artemas D., 15 Lesley ave., Salesman.
 Slack, Clarence I., 9 Windsor rd., Salesman.
 Slager, Charles A., 42 Ivaloo st., Builder.
 Sleeper, Fred H., 66 Lexington ave., Claim agent.
 Smith, Angus J., 37 Moore st., Salesman.
 Smith, Edward P., 45 Josephine ave., Clerk.
 Smith, Emery G., 34 Cambria st., Clerk.
 Smith, Frank W., 43 Curtis st., Plumber.
 Smith, F. Ellwood, 70 Chandler st., Special agent.
 Smith, Lawrence B., 45 Madison st., Salesman.
 Smith, Leslie E. A., 16 Lincoln st., Hearse driver.
 Smith, Percy C., 88 Irving st., Upholsterer.
 Smith, Ralph W., 5 Avon st., Candy dealer.
 Smith, Robert E., 23 Hamlet st., Foreman.
 Smith, Thomas, 54-R College ave., Cook.
 Snow, Edward L., 22 Temple st., Agent.
 Snow, Stillman J., 34 Tower st., Clerk.
 Snow, Wallace H., 42 Derby st., Ice cream dealer.
 Snow, William A., 17 Francesca ave., Stable supplies dlr.
 Solomon, Frank L., 12 Berkeley st., Manufacturer.
 Soule, H. Austin, 124 Summer st., Engineer.
 Souther, Charles E., 95 Kidder ave., Wholesale milliner.
 Souther, Samuel C., 115 Belmont st., Salesman.
 Southwick, Clifford E., 121 Belmont st., Clerk.
 Spaulding, Frank P., 39 Hall ave., Manager.

Spaulding, Fred E., 80 Partridge ave., Shipper.
 Spear, Charles W., 22 Gibbens st., Provision dealer.
 Spooner, Oriu E., 110 Boston ave., Fruit dealer.
 Sprague, Harry R., 18 Hancock st., Clerk.
 Sprague, Wallace C., 35 Fairmount ave., Bookkeeper.
 Staples, Mendall G., 3 Pearl ter., Sexton.
 Stay, Clarence L., 19 Upland pk., Salesman.
 Stetson, Walter E., 13 Browning rd., Bookkeeper.
 Stevens, Albion M., 2 Jaques st., Optician.
 Stevens, Charles H., 10 Oakland ave., Produce dealer.
 Stevens, James H., 18 Melvin st., Lumber surveyor.
 Stevens, William H., 10 Oliver st., Shipper.
 Stewart, Walter H., 145 Orchard st., Salesman.
 Stockton, Charles R., 11 Melvin st., Manager.
 Story, William C., 42 Holyoke rd., Foreman.
 Strout, Frank W., 17 Flint st., Salesman.
 Sturtevant, George H., 64 Bow st., Salesman.
 Sutherland, Thomas W., 16 Highland ave., R. R. supt.
 Sweeney, Eugene F., 111 Belmont st., Printer.
 Sweeny, John F., 56 Columbus ave., Insurance agent.

T

Taft, Fred S., 67 Columbus ave., Drug clerk.
 Talbot, Edwin R., 222 Medford st., Night editor.
 Tanner, Oscar H., 19 Prospect Hill ave., Chemist.
 Tarbell, Charles J., 36 Lowden ave., Printer.
 Tarbox, Edwin F., 30 Willoughby st., Yard master.
 Tarbox, French O. J., 51 Victoria st., Machinist.
 Tarpey, Michael J., 23 Fremont st., Fireman.
 Tarr, Harold E., 170 Central st., Assistant foreman.
 Tattan, Michael H., 72 Central st., Retired.
 Taylor, Charles F., 36 Burnside ave., Foreman.
 Taylor, Ernest A., 15 Sargent ave., Baggage master.
 Taylor, Walter F., 14 Paulina st., Bookkeeper.
 Thomas, Fred, 18 Madison st., Clerk.
 Thomas, Joseph M., 23 Stickney ave., Produce dealer.
 Thompson, Alvah M., 134 Highland ave., Manager.
 Thompson, Charles W., 237 School st., Music dealer.
 Thomson, Emerson, 18 Mystic st., Station agent.
 Thornquist, Carl Jacob, 100 Packard ave., Broker.
 Thurston, Walter H., 16 James st., Assistant manager.
 Tibbetts, Harris P., 10 Evergreen ave., Carpenter.
 Todd, Louis C., 132 Highland rd., Master mechanic.
 Toppan, Arthur W., 209 Highland ave., Manager.
 Torrens, William L., 255 Broadway, Wood turner.
 Towne, Clarence E., 111 Thurston st., Assistant secretary.
 Townsend, Walter S., 42 Teele ave., Bookkeeper.
 Treat, Frederick H., 306 Summer st., Clerk.
 Tribe, Byron E., 41 Thorndike st., Conductor.
 Tripp, Walter E., 420 Broadway, Clerk.
 Tripp, William A., 8 Pearl ter., Shipper.
 Trowbridge, Walter J., 26 Fenwick st., Salesman.
 Trueman, J. Albert F., 7 Westwood rd., Lumber mercht.
 Tucker, Frank W., 32 Powder House blvd., Treasurer.
 Tucker, William A., 101 Bromfield rd., No occupation.
 Tufts, Charles R., 11 Clarendon ave., Car cleaner.
 Turner, Walter F., 15 Highland rd., Asbestos dealer.
 Tyrrell, Benjamin F., 68 Winslow ave., Bookkeeper.

U

Underwood, Louis F., 50 Meacham rd., Bookkeeper.

V

VanBuren, John D., 45 Tufts st., Wagon painter.
 Vanner, Samuel A., 7 Thurston st., Manager.
 VanUmmersen, Richard, 97 Munroe st., Freight agent.
 Varney, Charles A., 25 Teele ave., Clerk.
 Vincent, James N., 11 Lovell st., Typographer.
 Vorce, Martin E., 29-A Putnam st., Storekeeper.

W

Wadleigh, William Y., 65 Boston st., Wholesale grocer.
 Wakefield, Chester K., 21 Flint st., Insurance agent.
 Waldron, Ralph D., 4 Lee st., Grocer.
 Walker, Andrew R., 4 Florence st., Teamster.
 Walker, George, 26 Wallace st., Salesman.
 Walker, Granville A., 9 Loring st., Painter.
 Walker, Henry I., 5 Columbus ave., Salesman.
 Wall, John E., 132 Boston ave., Clerk.
 Wallace, William E., 68 Glenwood rd., Interior decorator
 Warren, Herbert D., 24 Banks st., Salesman.
 Waterman, Wilbur C., 15-A Maple ave., Cashier.
 Watters, Robert D., 16 Ames st., Buyer.
 Waugh, W. Whitney, 125 Highland rd., Salesman.
 Webber, Robert H., 345 Beacon st., Printer.
 Webster, Alexander S., 77 Columbus ave., Salesman.
 Weeks, Edward H., 67 Rush st., Stock clerk.
 Welch, James R., 24 Hall st., Bookkeeper.
 Welch, John T. A., 32 Prescott st., Mason.
 Wentworth, Walter E., 42 Belknap st., Superintendent.
 Wetherbee, Fred E., 152 Walnut st., Clerk.
 Wheeler, Frank A., 34 Evergreen ave., Bookkeeper.
 Whipple, William D., 74 Josephine ave., Clerk.
 Whitaker, William L., 5 Lexington ave., Manager.
 White, Albert A., 43 Bow st., Manager.
 White, Carl P., 36 Pearson ave., Salesman.
 White, Carleton G., 124 Highland ave., Clerk.
 White, Frank H., 14 Montgomery ave., Map moulder.
 White, George A., 26 Montrose st., Collector.
 Whiting, Edward E., 67 Ossipee rd., Editor.
 Whittier, Henry F., 30 Delaware st., Clerk.
 Wiggin, Albert L., 13 Knapp st., Clerk.
 Wilbur, Moses F., 227 Morrison ave., Hay & grain dlr.
 Wiley, Henry C., 75 Thurston st., Banker.
 Williston, Belvin T., 3 Monmouth st., Manager.
 Willoughby, George T., 113 Central st., Master builder.
 Wilson, Harry A., 23 Brastow ave., Foreman.
 Wilson, James C., 45 Grove st., Gas fitter.
 Wilson, J. Albert, Jr., 52 Brastow ave., Musician.
 Wilson, Thomas G., 9 Irving st., Clerk.
 Winslow, George H., 95 Liberty ave., Broker.
 Wisdom, Arthur E., 84 Avon st., Clerk.
 Witherall, Charles F., 11 Powder House ter., Clerk.
 Withington, Henry A., 189 Summer st., Clerk.
 Wolf, John, Jr., 13 Fosket st., Produce dealer.
 Wood, George A., 40 Laurel st., Lumber dealer.
 Woodbury, John W., 42 Main st., Foreman.

Woodley, Edward W., 25 Kidder ave., Printer.
Woodman, John O. H., 13 Gorham st., Freight clerk.
Woodward, Leonard S., 52 Dartmouth st., Bookkeeper.
Wright, Edwin A., 31 Pearl st., Salesman.
Wyman, George A., 20 Brastow ave., Inspector.
Wyman, Harry E., 18 Tower st., Manager.

Y

Yates, W. Dudley, 22 Powder House ter., Superintendent
Yeaton, Charles E., 129 Central st., Carpenter.
Yerxa, Robert A., 71 Berkeley st., Grocer.
Young, Alfred M., 8 Cutter pk., Optician.
Young, Herbert L., 43 Quincy st., Clerk.
Young, William E., 1101 Broadway, Druggist.

CHARLES P. LINCOLN, Chairman,
EDWIN D. SIBLEY,
DOUGLASS B. FOSTER,
FREDERIC W. COOK,
Board of Registrars of Voters.

CITY GOVERNMENT AND OFFICERS FOR 1912.

Mayor.

Charles A. Burns,
27 Thurston Street.

Board of Aldermen.

President, JOSEPH O. KNOX.

Vice-President, FRANK R. DUNKLEE.

WARD ONE.

William H. Smith, Alderman-at-large	16 Mystic street
Ernest F. Flagg	137 Medford street
William T. McCarthy	27 Shawmut street

WARD TWO.

George A. Wilson, Alderman-at-large	32 Springfield street
Edmond Russell	265 Washington street
Alfred J. Toomey	18 Linden street

WARD THREE.

Frank R. Dunklee, Alderman-at-large,	5 Prospect Hill avenue
Oscar W. Codding	21 Pleasant avenue
Robert J. Farrell	21 Avon street

WARD FOUR.

Charles W. Hodgdon, Alderman-at-large,	22 Wigglesworth street
Leod MacLeod	13 Wesley street
Joseph Hillson	13 Edmands street

WARD FIVE.

Richard F. Churchill, Alderman-at-large,	16 Winter Hill Circle
Charles A. Draper	442 Broadway
James H. Maguire	390 Medford street

WARD SIX.

Joseph O. Knox, Alderman-at-large,	109 Rogers avenue
David H. Fulton	599½ Somerville avenue
Fred W. Jackson	166 Lowell street

WARD SEVEN.

William B. Brown, Alderman-at-large,	72 Wallace street
Arthur W. Glines	142 Powder House boulevard
Joseph H. Perry	8 Kenwood street

City Clerk—FREDERIC W. COOK.

Assistant City Clerk—HOWARD E. WEMYSS.

Regular meetings, second and fourth Thursday evenings of each month, at 8 o'clock, except when such Thursday is a holiday, in which case the meeting is held on the preceding Tuesday evening.

Standing Committees of the Board of Aldermen.

ELECTRIC LINES AND LIGHTS—Aldermen Dunklee, Toomey, Jackson, Hillson and Flagg.

FINANCE—The President, Aldermen Hodgdon, Russell, Coddling, Churchill, McCarthy and Glines.

LEGISLATIVE MATTERS—Aldermen Hodgdon, Smith, Perry, Fulton and Maguire.

LICENSES AND PERMITS—Aldermen Brown, Draper, Toomey, Hillson, Jackson, Flagg and Farrell.

PUBLIC PROPERTY—Aldermen Churchill, Coddling, Wilson, Glines and McCarthy.

PUBLIC SAFETY—Aldermen Russell, Draper, Farrell, MacLeod and Brown.

PUBLIC WORKS—Aldermen Smith, Wilson, Dunklee, Fulton, MacLeod, Perry and Maguire.

School Committee.

Chairman.—HENRY H. FOLSOM.

Vice-Chairman.—GEORGE C. MAHONEY.

(Term, two years, except members ex-officiis.)

CHARLES A. BURNS, Mayor (ex-officio), 27 Thurston street.

JOSEPH O. KNOX, President Board of Aldermen (ex-officio), 109 Rogers avenue

WARD ONE.

EMORY F. CHAFFEE (elected 1910), 109 Pearl street.

MARY G. WHITING (elected 1911), 61 Mt. Vernon street.

WARD TWO.

THOMAS M. CLANCY (elected 1910), 52 Springfield street.

DANIEL H. BRADLEY (elected 1911), 19 Concord avenue.

WARD THREE.

ALBERT C. ASHTON (elected 1910), 33 Columbus avenue.

GEORGE E. WHITAKER (elected 1911), 75 Walnut street.

WARD FOUR.

GEORGE W. FOSTER (elected 1910), 8 Oakland avenue.

CHARLES A. KIRKPATRICK, JR. (elected 1911), 27 Sewall street.

WARD FIVE

J. WALTER SANBORN (elected 1910), 183 Central street.

HENRY H. FOLSOM (elected 1911), 103 Central street.

WARD SIX.

MARY R. BREWER (elected 1910), 170 Summer street.

FREDERICK A. P. FISKE (elected 1911), 44 Cherry street.

WARD SEVEN.

LILLA H. TAINTER (elected 1910), 46 Chester street.

GEORGE C. MAHONEY (elected 1911), 97 College avenue.

Superintendent and Secretary—CHARLES S. CLARK.

Office, City Hall Annex.

Hours: 8 A. M. to 5 P. M., except Saturdays;
Saturdays, 8 to 10 A. M.

Regular meetings, last Monday evening of each month, except July and August, when none are held, and December, when meetings are on the fourth Friday, and on the Friday preceding the first Monday in January.

Assessors.

(Term, three years.)

GEORGE W. PERKINS, Chairman (term expires 1913).

NATHAN H. REED (term expires 1915).

GEORGE E. ELLIOTT (term expires 1914).

WINSOR L. SNOW (term expires 1915).

HARRY VAN IDERSTINE (term expires 1914).

Assistant Assessors.

(Term, one year.)

FRED B. CLAPP.

JOHN FRANKLIN STACKPOLE.

J. ROBERT FENELON.

JAMES WILSON.

GEORGE I. CANFIELD.

WILLIAM H. WALLACE.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Board of Health.

(Term, two members, two years; one member, one year.)

WESLEY T. LEE, M. D., Chairman (term expires 1914).

WILLIAM P. FRENCH (term expires 1913).

JACKSON CALDWELL (term expires 1913).

Clerk, GEORGE H. GALPIN (resigned March 11, 1912).*Clerk*, Laurence S. Howard (appointed March 18, 1912).*Agent*.—CALEB A. PAGE.*Medical Inspector*.—FRANK L. MORSE, M. D.*Inspector of Animals and Provisions*.—CHARLES M. BERRY.*Inspector of Milk and Vinegar*.—HERBERT E. BOWMAN.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Overseers of the Poor.

Office, City Hall Annex.

(Term, three years.)

HENRY F. CURTIS, M. D., Chairman (term expires 1913).

ALBERT W. EDMANDS (term expires 1914).

PHILIP KOEN (term expires 1915).

Agent.—CHARLES C. FOLSOM.*Secretary*.—CORA F. LEWIS.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Registrars of Voters.

(Term, three years.)

- CHARLES P. LINCOLN, Chairman (term expires 1913).
 EDWIN D. SIBLEY (term expires 1915).
 DOUGLASS B. FOSTER (term expires 1914).
 FREDERIC W. COOK, City Clerk (term expires 1914).

Public Library Trustees.

(Term, three years.)

- THOMAS M. DURELL, Chairman (term expires 1913).
 J. FRANK WELLINGTON (term expires 1914).
 FREDERICK W. PARKER (term expires 1915).
 WILLIAM L. BARBER (term expires 1913).
 CHARLES L. NOYES (term expires 1914).
 FREDERICK W. HAMILTON (term expires 1915).
 CHARLES M. AMBROSE (term expires 1913).
 GEORGE WHITING (term expires 1914).
 WILLIAM H. DOLBEN (term expires 1915).
Librarian and Secretary.—DREW B. HALL
 Library open 9 A. M. to 9 P. M., and the reading room Sundays,
 2 to 6 P. M.

City Clerk.

FREDERIC W. COOK.

Assistant City Clerk.—HOWARD E. WEMYSS.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

City Treasurer and Collector of Taxes.

JOSEPH S. PIKE.

Office open: 8 A. M. to 2 P. M.; Saturdays, 8 A. M. to 12 M.

City Messenger.

JAIRUS MANN (died February 4, 1912).
 FRED E. HANLEY (elected February 20, 1912).

Mayor's Secretary.

FRED E. WARREN.

City Solicitor.

FRANK W. KAAAN,
 50 State street, Boston.

City Auditor.

CLARENCE T. BRUCE.

City Engineer.

ERNEST W. BAILEY.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Commissioner of Streets.

ASA B. PRICHARD.

Office hour: 9.30 to 10 A. M.

Commissioner of Public Buildings and Inspector of Buildings.

WALTER T. LITTLEFIELD.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Commissioner of Electric Lines and Lights.

WALTER I. FULLER.

Office, Central Fire Station, 261 Medford street.

Water Commissioner.

FRANK E. MERRILL.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Clerk of Committees and Departments.

WILLIAM P. MITCHELL.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Chief of Police.

CHARLES A. KENDALL.

Office, Police Building, Bow street.

Chief Engineer of the Fire Department.

SEWALL M. RICH.

Office, Central Fire Station, 261 Medford street.

City Physician.

C. CLARK TOWLE, M. D.

24 Prospect Hill avenue.

Inspector of Plumbing.

DUNCAN C. GREENE.

Office hour: 8 to 9 A. M.

Inspector of Milk and Vinegar.

HERBERT E. BOWMAN.

Office hours: 9 A. M. to 12 M., except Saturdays.

Inspector of Animals and Provisions.

CHARLES M. BERRY,
60 Prescott street.

Inspector of Petroleum.

SEWALL M. RICH.
Office, Central Fire Station, 261 Medford street.

Sealer of Weights and Measures.

JOHN H. DUSSEAULT.
Deputy Sealer, BENJAMIN S. ABBOTT.
Office, City Hall Annex.
Office hours: 9 A. M. to 12 M.

Fence Viewers.

LAMBERT M. MAYNARD (died April 3, 1912).
90 Highland avenue.
CHARLES M. BERRY,
60 Prescott street.
ALBERT FISKE (appointed April 25, 1912).
47 Prescott street.

Burial Agent.

UNDER REVISED LAWS, CHAPTER 79, SECTION 20.
JOHN H. DUSSEAULT,
42 Sargent avenue.

Constables.

GEORGE H. CARLETON.	FRANKLIN W. HOPKINS.
EUGENE A. CARTER.	DENNIS KELLEY.
WINSLOW W. COFFIN.	JOHN J. KELLEY.
WARREN C. DAGGETT.	CHARLES A. KENDALL.
THOMAS DAMERY.	JAIRUS MANN.
CHARLES L. ELLIS.	CHARLES B. PALMER.
CHARLES C. FOLSOM.	ROBERT R. PERRY.
ARTHUR L. GILMAN.	MALCOLM E. STURTEVANT
FREDERICK A. HANSCOM.	WILLIAM J. WARD.
JAMES M. HARMON.	CHARLES E. WOODMAN.
FRED E. HANLEY.	ANTHONY J. ZIEGAL.

Measurer of Wood and Bark.

WILLIAM B. HOLMES,
317 Broadway.

Measurer of Grain.

EVERETT C. EMERY.

Public Weigher in Charge of City Scales at City Ledge.

WILLIAM H. WHITCOMB.

Weighers of Coal.

DANIEL F. ASH.	GEORGE H. MARSH.
EDGAR H. BARKER.	JOHN A. MARSH.
JOHN L. BLAKE.	OSMAN T. MARSH.
ELLSWORTH J. CULLEN.	GEORGE H. MOORE.
HARRY H. CUMMINGS.	LEWIS O'BRIEN.
ALBERTUS L. DAKIN.	JAMES P. O'NEILL.
CHARLES F. DOHERTY.	MARK W. PATTEN.
JOHN F. DUGAN.	JOHN J. QUINN.
AMHERST F. DURKEE.	OBADIAH E. RING.
WILLIAM J. DWYER.	WILLIAM H. ROBINSON.
WILLIAM J. EGAN.	WALTER K. SMITH.
EVERETT C. EMERY.	ANDREW C. STEELE.
FRED L. ESTEY.	FRANK A. TEELE.
CHARLES T. GARLAND.	WILLIAM J. THOMPSON.
WILLIAM E. GERRISH.	JOHN P. TULLY.
HELEN T. GOULD.	JAMES WALLACE.
LEO J. GREENWOOD.	THOMAS WALSH.
GARFIELD J. GRILLS.	CHARLES H. WARD.
JOSEPH F. HAUSE.	NORMAN A. WHITTUM.
SYLVANUS R. KNEELAND.	ALBERT M. WILDER.
WILLIAM M. LENNAN.	JOHN H. WOODMAN.
FRANK T. McMAHON.	LUCIEN L. WOODMAN.
JOHN C. McNALLY.	

Weighers of Beef.

ALBERT E. BAKER.	JOSEPH MURPHY.
F. A. BENNETT.	THOMAS S. PARKER.
OLIVER BRYANT.	JOHN H. PUGH.
CARL BURROWS.	GEORGE RYAN.
GEORGE M. CHISHOLM.	CARL F. SAMPSON.
JOSEPH CLARK.	WILLIS B. SARGENT.
WILLIAM J. DOONER.	WALTER SAVAGE.
CHARLES ELLARD.	EDWIN F. SEASLEY.
JOHN FLAHERTY.	WILLIAM E. SHACKLEY.
I. W. FORSAITH.	FRANK H. SHAW.
FRED HARRIS.	ROBERT E. SMITH.
JOSEPH KELLY.	LEONARD STICKLEY.
MARTIN LAFFLIN.	L. G. TRAFTON.
M. J. McCORMACK.	JOSEPH F. TYTER.
ARTHUR F. MASON.	GEORGE C. WILLIAMS.
REUBEN W. MEAD.	TOBIAS YAVNER.

INDEX.

	PAGE
City Clerk, Report of	457
Receipts	457
Payments	459
Licenses and Permits	460
Gas and Pole Locations	460
Births	460
Marriages	461
Deaths	461
Assessed Polls and Registered Voters	463
Women's Voting Lists	464
Elections	465
Liquor License Question	471
City Engineer, Report of	321
Engineering Department, Statement of Expenses	321
Classification of Expenses, Assistants' Salaries	321
Office Records and Value of Instruments	322
General Work	322
Streets Accepted in 1912	324
Length of Public Streets in Each Ward	324
Table of Street Construction	327
Table of Sidewalks Constructed	328
Miles of Edgestone, Gravel, Granolithic, and Brick Side- walks in Each Ward	328
Bridges and Grade Crossings	330
Statement of Expenses, Grade Crossings	330
Perambulation of City Boundary Lines	331
Sewers Construction, Statement of Expenses	332
Summary of Work	334
Metropolitan Sewer Connections	335
New Work	336
Sewers and Storm Drains Built in 1912	336
Sewers Maintenance, Statement of Expenses	337
Parks and Playgrounds	338
Parks and Playgrounds, Maintenance, Statement of Ex- penses	341
Playgrounds Extension, Expenditures	344
Table of Streets	345-356
City Government and Officers for 1912	491
City Physician, Report of	320
City Solicitor, Report of	455
City Treasurer and Collector of Taxes, Report of	18
Public Property	19
Funded Debt	19
Borrowing Capacity	22
Resources	22
Credit Balances	23
Cash	24
Available Assets	24
Liabilities	24
Balance Sheet	25
Appendix	26
Outstanding Bonds	31
Service Transfers	33
Refunds	35

	PAGE
Revenue	35
General Accounts and Balances	39
Statement of Accounts, etc.	53
Commissioner of Public Buildings (see Public Buildings Com- missioner)	382
Commissioner of Streets (see Street Commissioner)	357
Commissioner of Water (see Water Commissioner)	391
Electric Lines and Lights Commissioner, Report of	386
Inspection of Wiring in Buildings	386
Fire Alarm System	387
Police Signal System	388
Supervision of Poles and Wires	388
Street Lighting	388
Financial Statement	389
Recommendations	389
Fire Department, Chief of, Report of	433
Alarms of Fire	433
Causes of Fires	433
Service of Companies	435
Fire Stations and Equipment	436
Manual Force	437
Horses	437
Hose	438
Recapitulation	438
Recommendations	441
Health, Board of, Report of	280
Organization, Officers, etc.	280
Nuisances	281
Permits	282
Pedlers	282
Stables	283
Board of Infants	283
Deaths	283, 288
Mortality Statistics	284, 285, 288
Diseases Dangerous to Public Health	286, 290, 295, 298, 299
Medical Inspection of Schools	288
Hospital for Contagious Diseases	290, 295, 298
Tuberculosis Hospital	290, 297
Mental Disorders	291
Bacteriological Department	291, 298
Undertakers	292
Examiners of Plumbers	292
Financial Statement	292
Medical Inspector, Report of	295
Inspector of Animals and Provisions, Report of	302
Inspector of Milk and Vinegar, Report of	304
Inspector of Animals and Provisions, Report of	302
Inspector of Buildings (see Public Buildings Commissioner)	382
Inspector of Milk and Vinegar, Report of	304
Jury List	473
Mayor's Inaugural Address	3
General Government	4
Protection of Life and Property	6
Health and Sanitation	7
Highways	8
Charities	9
Education	9
Libraries	10

	PAGE
Recreation	11
Grade Crossings	11
Metropolitan Boston	11
Financial Statement	12
Medical Inspector, Report of	295
Scarlet Fever	295, 296
Diphtheria	295, 296, 300
Typhoid Fever	295, 299, 301
Tuberculosis	295, 297, 299, 300
Ophthalmia Neonatorum	295
Contagious Disease Hospital	295
Other Diseases	297
Bacteriological Department	298
Ordinances	472
Overseers of the Poor, Report of	312
Members of the Board, Committees, Officers, etc.	312
Report of Overseers of the Poor	313
Report of the General Agent	314
Full Support	315
Partial Support	315
Reimbursements	315
Somerville Hospital	316
Population and Gross Expenditures	316
Overseers of the Poor Since 1885	317
Recapitulation	317
Expenditures in Detail	317
City Home, Report of Warden	318
City Physician, Report of	320
Police, Chief of, Report of	443
Arrests	443
Offenses Against the Person	443
Offenses Against Property	443
Offenses Against Public Order	444
Recapitulation	445
Miscellaneous Reports	445
Police Signal Service and Ambulance Reports	448
Automobile Patrol Ambulance	448
Official Roster of Department	448
Changes in Department	449
Sickness and Disability	450
Performance of Duties	451
Additions to Force, etc.	451
Recommendations	451
Poor Department (see Overseers of the Poor)	312
Population	193, 205, 316
Public Buildings, Commissioner, Report of	382
Inspection of Buildings	383
Bennett School Improvements	384
City Home Addition	384
Cutler School	384
High School Addition	384
Recommendations	385
Public Grounds (see City Engineer)	321
Public Library	250
Board of Trustees, Officers, etc.	250, 253
Report of the Trustees	251
Report of the Librarian	255
Ministry of Libraries	255

	PAGE
The Somerville Public Library	256
Its Efficiency and Economy	256
The Three Requirements	257
New Central Building	258
The Second Requirement, Book Selection	259
The Third Requirement, The Staff	259
New Branches	260
Accessions of Books	261
Registration of Borrowers	261
Special Cards	261
Use of Books	262
Home Use	263
Publicity	263
General Administration	264
Professional Advancement	264
Appendix	267
Scheme of Service	269
Forms	273
Facts About Somerville	279
School Department	149
Report of the School Committee	149
Members, Officers, Committees, etc.	150, 151
Report of Superintendent	152
Attendance	152, 169, 193, 206, 213, 216
Cost of the Schools	152, 193, 194, 200, 204
Schoolhouses	153, 193, 198
Promotions	155, 218
Elimination Ninth Grade	156
Changes of Teachers	157
Salaries Elementary Teachers	158, 197
High School	158, 166, 173, 207, 217, 226
Playgrounds	160, 186
School Savings Banks	161, 188
Evening Schools	162, 213
Vocational Schools	162
Atypical Class	162, 181
Dental Dispensary	163
Co-operation from Outside of the Schools	163
High School Report	166
Pupils	173, 208, 209, 220
Industrial School for Girls, Report of	174
Industrial School for Boys, Report of	178
Atypical Class, Report of	181
Supervisor of Manual Arts, Report of	184
Somerville Teachers' Association	189
Somerville Teachers' Club	190
Miss Mary A. Lawry	191
Miss Naomi E. Stevens	191
Appendix	192
Population and School Census	193, 205
Teachers	157, 158, 193, 197, 222, 225
Per Capita Cost	196, 201, 203
Teachers' Salaries	197
Sight and Hearing	197
Graduates	209, 215, 229, 231
Truancy	210, 212
Books	226
Graduation Exercises	228

	PAGE
Organization of School Board, 1913	239
Teachers in Service January, 1913	241, 248
Officers in Service January, 1913	249
Janitors	249
Sealer of Weights and Measures, Report of	453
Sewers (see City Engineer)	321
Street Commissioner, Report of	357
Paving	357
Street Cleaning	357
Sprinkling Streets	358
Holland Street Ledge	358
Stone Crusher	358
Bridges	358
Shade Trees	359
Elm-Leaf Beetles	359
Leopard Moth or Borer	359
Gypsy and Brown-Tail Moths	359
Steam Rollers	360
Sidewalks	360
Snow and Ice	360
Underground Wires	361
Accepted Streets	361
Sidewalks Maintenance	361
Sanitary Division	361
Statement of Tools and Property in Sanitary Division	362
Sanitary Division, Statement of Account	362
Emergency Calls	363
Miscellaneous	363
Recommendations	364
Statement of Accounts	364, 371
Tools and Property, Highway Department	371
Streets Constructed	372
Streets Repaired	373
Sidewalks Constructed	374
Gutters Paved	377
Driveways Constructed	378
Driveways Discontinued	378
Driveway Widened	379
Driveway Relocated	379
Streets Accepted	380
Street Crossings Laid	381
Street Openings	381
Length of Accepted Streets	381
Support of Poor Department (see Overseers of the Poor)	312
Water Commissioner, Report of	391
Statement of Accounts	392
Cost of Water Works	393
Water Debt	393
Water Works Income and Distribution	394
Income and Appropriations	394
Accounting	395
Water Distribution System, Construction	397
Grade Crossing Changes	397
Hydrants, Gates, etc.	398
Water Services	399
Water Meters	399, 401
Summary of Pipes and Fixtures	400

	PAGE
Water Distribution System, Maintenance	400
Mains, Gates and Hydrants	400
Waterposts and Fountains	401
Services	401
Department Needs	401
Water Assessments and Consumption	402
Gates Set in New Locations	405
Gates Removed or Discontinued	407
Fire Hydrants	408
Locations of Hydrants	411
Private Hydrants	428
Locations of Waterposts	428
Locations of Drinking Fountains	430
Summary of Statistics	430
Financial Statistics	432

