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# CITY OF SOMERVILLE

MASSACHUSETTS

# ANNUAL REPORTS

1923



SOMERVILLE PRESS PRINT.

1924.

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352 569 1923

Ref 242423

Case M

**REPORT OF THE CITY AUDITOR.**

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OFFICE OF THE CITY AUDITOR,

January 22, 1924.

To the Honorable, the Mayor, and the Board of Aldermen of  
the City of Somerville.

Gentlemen:—In accordance with the requirements of Section 3 of Ordinance Number 44, I herewith submit a report of the expenditures and receipts during the year 1923, showing in detail the appropriation and expenditures, and the receipts from each source of income. Also a statement of the funded debt and temporary loans, table relative to maturities and interest, a balance sheet showing the assets and liabilities at the close of the fiscal year and a statement of the treasurer's cash.

Respectfully submitted,

HOWARD E. WEMYSS,

*City Auditor.*

OCT 15 1926

BALANCE SHEET, DECEMBER 31, 1923.

ASSETS		Revenue Account	LIABILITIES	
Cash:			Temporary Loans . . . . .	\$600,000 00
In Banks and Offices . . . . .	\$65,615 15		Unexpended balances:	
Advance to Poor Dept. . . . .	100 00		Income of Trust Funds . . . . .	1,497 65
Advance Soldiers' Benefits . . . . .	100 00		Tailings . . . . .	291 65
		\$65,815 15	Revenue from Taxes, Supple-	
Accounts Receivable:			mentary Warrants . . . . .	471 28
Taxes 1923 . . . . .	\$589,719 86		Revenue Reserved when Collected:	
Taxes 1922 . . . . .	1,165 68		Departmental Bills Receivable	24,266 26
Taxes 1921 . . . . .	97 10		Commonwealth of Massachusetts:	
Taxes 1920 . . . . .	257 65		Account Poll Taxes . . . . .	387 00
Excise Tax, Ship Owners . . . . .	12 34		Premiums on Bonds . . . . .	3,343 50
Special Assessments 1923 . . . . .	23,313 39		Accrued Interest . . . . .	428. 82
Departmental Bills Receivable	24,266 26		Overlay, Reserved for Abatements:	
Comm. of Mass. Soldiers'			Levy of 1923 . . . . .	\$19,645 68
Benefits 1923 . . . . .	8,861 17		Levy of 1922 . . . . .	1,165 68
Water Dept. Accounts 1923 . . . . .	35,222 25		Levy of 1921 . . . . .	97 10
		\$682,915 70	Levy of 1920 . . . . .	257 65
Tax Titles . . . . .	1,661 13		Reserve Fund, Surplus from	\$21,166 11
Real Estate Liens . . . . .	24 73		Overlays . . . . .	8,547 88
Grade Crossings . . . . .	427 30		Excess and Deficiency . . . . .	90,449 86
Overlay 1917 . . . . .	6 00			<hr/>
		\$750,850 01		\$750,850 01
			Non-Revenue Accounts.	
Cash in Banks and Offices . . . . .	\$251,841 79		Unexpended balances:	
			Appropriations . . . . .	\$251,841 79
		\$251,841 79		<hr/>
				\$251,841 79

BALANCE SHEET.—Continued.

Municipal Indebtedness.

Net Bonded Debt . . . . .	\$1,743,500 00	Loans within statutory debt limit:	
		City Bonds . . . . .	\$155,500 00
		City Hall Additions . . . . .	150,000 00
		Sewer Bonds . . . . .	161,000 00
		Highway Bonds . . . . .	201,000 00
		Bridge Bonds . . . . .	26,000 00
		Public Building Bonds . . . . .	193,000 00
		Schoolhouse Bonds . . . . .	845,000 00
			<u>\$1,731,500 00</u>

Loans outside statutory debt limit:

Sewer Bonds . . . . .	6,000 00
Met. Park Assessment Bonds . . . . .	6,000 00
	<u>\$12,000 00</u>
	<u>\$1,743,500 00</u>

Trust Funds.

Investments:	
Cash and Securities	
Cash and Securities . . . . .	\$27,396 24
	<u>\$27,396 24</u>
Trust Funds:	
School Funds . . . . .	\$5,300 00
Library Funds . . . . .	20,414 58
Poor Funds . . . . .	1,681 66
	<u>\$27,396 24</u>

CITY AUDITOR.



## CASH STATEMENT, DECEMBER 31, 1923.

## REVENUE.

## Receipts.

## General:—

Taxes . . . . .	\$2,636,906 35
Corporation, Income and Bank Taxes . . . . .	302,375 26
Licenses and Permits . . . . .	15,280 90
Fines and Forfeits . . . . .	12,423 99
State, Vocational School . . . . .	9,592 10
State, Continuation School . . . . .	4,160 31
State, Americanization . . . . .	3,715 91
State, Smith-Hughes Fund . . . . .	2,833 05
State, Account Poll Taxes . . . . .	2,940 00
State, Account Boston Elevated . . . . .	46,106 54
Sale of Land and Buildings . . . . .	10,459 80
County of Middlesex, Dog Licenses . . . . .	2,198 78
Miscellaneous . . . . .	389 88

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\$3,049,382 87

Special Assessments . . . . . 72,291 85

## Departmental:—

General Government . . . . .	9,159 22
Protection of Persons and Property . . . . .	2,106 17
Health and Sanitation . . . . .	12,480 03
Highways . . . . .	15,537 89
Charities . . . . .	38,554 49
Soldiers' Benefits . . . . .	11,145 82
Schools . . . . .	11,934 90
Libraries . . . . .	2,281 71
Baths . . . . .	935 15
Miscellaneous . . . . .	815 00

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\$104,950 38

Water Department Accounts . . . . .	\$309,032 55
Interest on deposits, taxes, etc. . . . .	31,671 14
Temporary Loans . . . . .	1,850,000 00
Premium on Loans . . . . .	3,343 50
Refunds . . . . .	4,501 60

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Total receipts . . . . .	\$5,425,173 89
Balance at beginning of period . . . . .	184,389 87

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\$5,609,563 76



## CASH STATEMENT, DECEMBER 31, 1923. — Continued. . .

## Payments.

Appropriations . . . . .	\$2,918,201 51	
Trust Funds Income . . . . .	5,025 15	
Temporary Loans . . . . .	1,750,000 00	
Com. of Massachusetts:—		
Taxes and Assessments . . . . .	461,487 41	
County of Middlesex, Tax . . . . .	119,705 93	
Tax Titles . . . . .	1,070 30	
Real Estate Liens . . . . .	15 30	
Tellers Overs and Shorts . . . . .	56 54	
Refunds . . . . .	938 33	
		<hr/>
Total Payments . . . . .		\$5,256,500 47
Transfer to Non-Revenue . . . . .		287,448 14
Balance on hand . . . . .		65,615 15
		<hr/>
		\$5,609,563 76

## NON-REVENUE.

## Receipts.

Funded Debt Loans . . . . .	\$450,000 00	
Redemption of Tax Titles . . . . .	2,061 29	
Refunds . . . . .	73 58	
Liquor Licenses for State . . . . .	5 00	
		<hr/>
Total Receipts . . . . .		\$452,139 87
Transfer from Revenue . . . . .		287,448 14
Balance at beginning of period . . . . .		326,367 28
		<hr/>
		\$1,065,955 29

## Payments.

Appropriations . . . . .	\$812,047 21	
Redemption of Tax Titles . . . . .	2,061 29	
Liquor Licenses for State . . . . .	5 00	
		<hr/>
Total Payments . . . . .		\$814,113 50
Balance on hand . . . . .		251,841 79
		<hr/>
		\$1,065,955 29

## Summary.

Total Revenue Receipts . . . . .	\$5,425,173 89
Total Non-Revenue Receipts . . . . .	452,139 87
	<hr/>
Total balance at beginning of period . . . . .	\$5,877,313 76
	510,757 15
	<hr/>
Total Revenue Payments . . . . .	\$6,388,070 91
Total Non-Revenue Payments . . . . .	5,256,500 47
	814,113 50
	<hr/>
Total balance on hand . . . . .	\$6,070,613 97
	317,456 94
	<hr/>
	\$6,388,070 91

TAXES — SPECIAL ASSESSMENTS.

	Excise Tax	1917	1918	1919	1920	1921	1922	1923	Totals
Uncollected January 1, 1923	\$20 65	\$772 20	\$120 32	\$100 79	\$1,682 22	\$4,832 56	\$411,970 19	\$2,848,009 28	\$3,267,508 21
Commitments	27 35	.....	.....	3 51	.....	10 00	.....	.....	40 86
Total to Collect	\$48 00	\$772 20	\$120 32	\$104 30	\$1,682 22	\$4,842 56	\$411,970 19	\$2,848,009 28	\$3,267,549 07
Collection (Less Refunds)	35 66	.....	.....	4 00	627 64	1,207 07	401,881 96	2,233,063 02	2,637,326 85
Abatements	.....	772 20	120 32	100 30	796 93	3,538 39	8,922 55	25,226 40	38,969 59
Total Collections & Abatements	\$35 66	\$772 20	\$120 32	\$104 30	\$1,424 57	\$4,745 46	\$410,804 51	\$2,258,289 42	\$2,676,296 44
Uncollected December 31, 1923	12 34	.....	.....	.....	257 65	97 10	1,165 68	589,719 86	591,252 63
Assessments levied January 1, 1923	.....	.....	.....	.....	.....	.....	.....	.....	.....
Assessments levied January 1, 1923	.....	.....	.....	.....	.....	.....	.....	.....	.....
Assessments levied 1923	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total to Collect	.....	\$53,050 60	.....	.....	\$8,068 15	.....	\$9,321 52	\$25,370 89	\$95,811 16
Collections (Less Refunds)	.....	44,946 76	.....	.....	6,561 85	.....	6,837 66	13,945 58	72,291 85
Abatements	.....	205 92	.....	.....	.....	.....	.....	.....	205 92
Collections and Abatements	.....	\$45,152 68	.....	.....	\$6,561 85	.....	\$6,837 66	\$13,945 58	\$72,497 77
Uncollected	.....	7,897 92	.....	.....	1,506 30	.....	2,483 86	11,425 31	23,313 39
Uncollected 1923 Assessments	.....	.....	.....	.....	.....	.....	.....	.....	\$23,313 39

	Street Sprinkling	Sewer	Sidewalks	Highway Betterment	Total
Assessments levied 1921, Balance January 1, 1923	.....	\$92 72	\$1,012 07	\$864 37	\$1,969 16
Assessments levied 1922, Balance January 1, 1923	\$7,546 42	6,469 13	3,341 05	7,361 02	24,717 62
Assessments levied 1923	45,504 18	1,506 30	4,968 40	17,145 50	69,124 38
Total to Collect	\$53,050 60	\$8,068 15	\$9,321 52	\$25,370 89	\$95,811 16
Collections (Less Refunds)	44,946 76	6,561 85	6,837 66	13,945 58	72,291 85
Abatements	205 92	.....	.....	.....	205 92
Collections and Abatements	\$45,152 68	\$6,561 85	\$6,837 66	\$13,945 58	\$72,497 77
Uncollected	7,897 92	1,506 30	2,483 86	11,425 31	23,313 39
Uncollected 1923 Assessments	.....	.....	.....	.....	\$23,313 39

DEPARTMENTAL BILLS.

Departmental Accounts, Pledged to Revenue.	Balance Jan. 1, 1923	Committed 1923	Total to Collect	Abated	Collected	Uncollected
Police Department . . . . .	.....	\$268 40	\$268 40	.....	\$268 40	.....
Commissioner of Buildings . . . . .	\$22 25	.....	22 25	.....	15 76	\$6 49
Maintenance Police Buildings . . . . .	.....	1,350 00	1,350 00	.....	1,012 50	337 50
Health Department . . . . .	1,129 34	975 07	2,104 41	221 00	1,169 98	713 43
Contagious Hospital . . . . .	2,816 00	9,242 50	12,058 50	683 50	7,083 14	4,291 86
Inspection of Milk . . . . .	3 00	878 00	881 00	1 00	708 50	171 50
Sewers Maintenance . . . . .	.....	59 35	59 35	.....	59 35	.....
Sewers Construction . . . . .	.....	233 07	233 07	.....	233 07	.....
Sanitary Department . . . . .	21 00	918 50	939 50	321 00	618 50	.....
Sanitary Buildings . . . . .	.....	567 04	567 04	.....	567 04	.....
Highway Maintenance . . . . .	94 49	15,786 24	15,880 73	44 10	15,241 06	595 57
Sidewalks Maintenance . . . . .	22 87	9 66	32 53	.....	32 53	.....
Street Sprinkling . . . . .	.....	24 30	24 30	.....	24 30	.....
Highway Buildings . . . . .	.....	240 00	240 00	.....	240 00	.....
Poor Department Miscellaneous . . . . .	12,060 26	35,961 37	48,021 63	463 86	30,862 62	16,695 15
Poor Department City Home . . . . .	355 72	4,218 27	4,573 99	.....	4,497 56	76 43
School Contingent . . . . .	1,742 34	10,820 60	12,562 94	679 23	10,542 38	1,341 33
School Buildings . . . . .	102 00	1,334 15	1,436 15	55 00	1,344 15	37 00
	<u>\$18,369 27</u>	<u>\$82,886 52</u>	<u>\$101,255 79</u>	<u>\$2,468 69</u>	<u>\$74,520 84</u>	<u>\$24,266 26</u>

WATER DEPARTMENT ACCOUNTS (REVENUE).

	Metered Rates	Annual Rates	Additional Rates	Service Assessments	Maintenance Bills	Commitments	Abatements	Collections (net)	Balance
	.	.	.	.	.	\$265,589 76	\$649 04	\$229,718 47	\$35,222 25
	.	.	.	.	.	26,720 25	2,492 02	24,228 23	.....
	.	.	.	.	.	1,175 17	132 09	1,043 08	.....
	.	.	.	.	.	12,471 05	.....	12,471 05	.....
	.	.	.	.	.	8,223 42	616 60	7,606 82	.....
						<u>\$314,179 65</u>	<u>\$3,889 75</u>	<u>\$275,067 65</u>	<u>\$35,222 25</u>
Receipts	.	.	.	.	.	.	.	.	\$275,067 65
Metered Rates Last Quarter 1923	.	.	.	.	.	.	.	.	<u>35,222 25</u>
Water Revenue 1923	.	.	.	.	.	.	.	.	<u>\$310,289 90</u>
Metered Rates Last Quarter, 1922.									
Uncollected January 1, 1923	.	.	.	.	.	.	.	.	\$33,666 39
Abated	.	.	.	.	.	.	.	\$152 12	
Collected	.	.	.	.	.	.	.	<u>33,514 27</u>	
									<u>\$33,666 39</u>

STATEMENT OF ESTIMATED REVENUE.

	Estimate	Receipts	Excess	Deficit
Taxes from State:				
Street Railway	\$25,000 00	\$24,874 83		\$125 17
Licenses and Permits:				
Milk	400 00	424 00	24 00	
Health	200 00	183 00		17 00
City Clerk	4,500 00	5,021 75	521 75	
Executive	1,000 00	1,040 00	40 00	
Pedlers' License Commission	900 00	940 00	40 00	
Miscellaneous	.....	445 65	445 65	
Buildings	1,800 00	2,639 00	839 00	
Electrical	3,000 00	3,668 00	668 00	
Licensing Commission	.....	919 50	919 50	
Fines and Forfeits:				
Court Fines	5,000 00	9,621 74	4,621 74	
Departmental Penalties	150 00	229 00	79 00	
Grants and Gifts:				
State, Industrial School	8,700 00	9,592 10	892 10	
Continuation School	4,100 00	4,160 31	60 31	
Americanization	3,000 00	3,715 91	715 91	
County, Dog Licenses	2,100 00	2,198 78	98 78	
Special Excise Tax	.....	27 35	27 35	
Special Assessments:				
Street Sprinkling	45,300 00	45,311 76	11 76	
Sewers	2,000 00	1,506 30		493 70
Street Betterments	14,300 00	17,145 50	2,845 50	
Sidewalks	6,000 00	4,968 40		1,031 60



STATEMENT OF ESTIMATED REVENUE

	Estimate	Receipts	Excess	Deficit
General Government:				
Treasury Department . . . . .	6,000 00	7,324 36	1,324 36	.....
City Clerk's Department . . . . .	1,800 00	1,796 85	.....	3 15
Commissioner of Buildings . . . . .	.....	15 76	15 76	.....
Protection of Persons and Property:				
Police Department . . . . .	500 00	399 92	.....	100 08
Rent of Court Room . . . . .	1,350 00	1,012 50	.....	337 50
Fire Department . . . . .	.....	74 50	74 50	.....
Sealer of Weights and Measures . . . . .	600 00	619 25	19 25	.....
Health and Sanitation:				
Health Department . . . . .	1,000 00	1,169 98	169 98	.....
Contagious Hospital . . . . .	6,500 00	7,083 14	583 14	.....
Inspection of Milk and Vinegar . . . . .	300 00	740 35	440 35	.....
Sanitary Department . . . . .	.....	2,627 10	2,627 10	.....
Sanitary Buildings . . . . .	550 00	567 04	17 04	.....
Sewers Maintenance . . . . .	.....	59 35	59 35	.....
Sewers Construction . . . . .	.....	233 07	233 07	.....
Highways:				
Highway Maintenance . . . . .	9,000 00	15,241 06	6,241 06	.....
Street Sprinkling . . . . .	.....	24 30	24 30	.....
Sidewalks Maintenance . . . . .	.....	32 53	32 53	.....
Highway Buildings . . . . .	240 00	240 00	.....	.....
Charities:				
Poor Department, City Home . . . . .	6,000 00	7,691 87	1,691 87	.....
Poor Department, Miscellaneous . . . . .	38,000 00	30,862 62	.....	7,137 38

ESTIMATED REVENUE

	Estimate	Receipts	Excess	Deficit
<b>Soldiers' Benefits:</b>				
State Aid . . . . .	8,200 00	7,297 00	.....	903 00
Military Aid . . . . .	2,500 00	1,452 50	.....	1,047 50
Soldiers' Burials . . . . .	1,000 00	758 82	.....	241 18
<b>Education:</b>				
School Contingent . . . . .	8,900 00	10,590 75	1,690 75	.....
School Buildings . . . . .	1,500 00	1,344 15	.....	155 85
<b>Libraries:</b>				
Library Department . . . . .	2,400 00	2,281 71	.....	118 29
<b>Recreation and Unclassified:</b>				
Electrolysis . . . . .	500 00	750 00	250 00	.....
Bathhouse . . . . .	650 00	497 45	.....	152 55
Shower Baths . . . . .	450 00	437 70	.....	12 30
Miscellaneous . . . . .	100 00	814 73	714 73	.....
<b>Public Service Enterprises:</b>				
Water Department . . . . .	275,000 00	310,289 90	35,289 90	.....
<b>Interest:</b>				
Bank Deposits . . . . .	11,000 00	15,366 88	4,366 88	.....
Deferred Taxes . . . . .	13,500 00	14,301 38	801 38	.....
Deferred Special Assessments . . . . .	200 00	302 42	102 42	.....
	<u>\$525,190 00</u>	<u>\$582,933 82</u>	<u>\$69,620 07</u>	<u>\$11,876 25</u>
Estimate . . . . .				\$525,190 00
Actual . . . . .				582,933 82
<b>Excess . . . . .</b>				<u>\$57,743 82</u>

## STATEMENT OF APPROPRIATIONS, 1923 (REVENUE).

	Appropriations	Appropriation Trans. from	Appropriation Trans. to	Receipts and Service Trans.	Total Credit	Expenditures	Balance to Excess and Deficiency
<b>General Government</b>							
Board of Aldermen Expenses	\$13,000 00		\$5 00		\$1,305 00	\$1,303 42	\$1 58
Clerk of Committees Department	3,000 00		15 00	50 62	3,065 62	3,063 66	1 96
Executive Department	7,920 00				7,920 00	7,886 80	33 20
Auditing Department	6,200 00				6,200 00	6,058 34	141 66
Treasury Department	22,500 00		450 00		22,950 00	22,875 62	74 38
Assessors' Department	21,100 00				21,100 00	20,876 33	223 67
Pedlers' License Commission	25 00				25 00	24 78	22
Licensing Commission	400 00		800 00		1,200 00	1,083 11	116 89
Certification of Notes and Bonds	700 00				910 00	910 00	
City Clerk's Department	9,870 00	64 00	210 00	1,856 65	11,662 65	11,578 66	83 99
Registration of City Laborers	475 00				475 00	446 25	28 75
Law Department	3,875 00				3,875 00	3,719 27	155 73
City Messenger's Department	2,950 00				2,950 00	2,945 59	4 41
Emergency Department	13,100 00				13,100 00	12,908 45	191 55
Commissioner of Public Buildings	8,600 00	340 00			8,260 00	8,257 93	2 07
Maintenance Municipal Bldgs	11,500 00		1,700 00		13,200 00	13,160 89	39 11
City Planning Board	4,500 00				4,500 00	3,925 00	575 00
Election Expenses, City Clerk	1,920 00				1,920 00	1,878 78	41 22
Election Expenses, Registrars of Voters	4,930 00	365 00			4,565 00	4,450 33	114 67
Pay of Election Officers	3,000 00		64 00		3,064 00	3,064 00	
Maintenance Polling Places	370 00		40 00		410 00	409 45	55
Total General Government	128,235 00	769 00	3,284 00	1,907 27	132,657 27	130,826 66	1,830 61



STATEMENT OF APPROPRIATIONS, 1923 (REVENUE).

	Appropriations	Appropriation Trans. from	Appropriation Trans. to	Receipts and Service Trans.	Total Credit	Expenditures	Balance to Excess and Deficiency
<b>Protection of Persons and Property:—</b>							
Police Department	196,400 00		365 00		196,765 00	196,763 57	1 43
Maintenance Police Buildings	6,000 00				6,000 00	5,608 05	391 95
Fire Department	230,825 00			1,202 84	232,027 84	230,964 18	1,063 66
Maintenance Fire Buildings	12,900 00	1,000 00		4 00	11,904 00	11,314 67	589 33
Weights and Measures	2,345 00		475 00		2,820 00	2,802 10	17 90
Electrical Department	19,400 00			578 71	19,978 71	18,510 68	1,468 03
Maintenance Electrical Buildings	2,000 00				2,000 00	1,872 56	127 44
Suppression of Moths	4,200 00				4,200 00	3,990 02	209 98
Care of Trees	5,400 00				5,400 00	5,343 49	56 51
Total Protection of Persons & Property	479,470 00	1,000 00	840 00	1,785 55	481,095 55	477,169 32	3,926 23
<b>Health and Sanitation:—</b>							
Health Department	22,815 00	1 00		31 50	22,845 50	21,945 43	900 07
Vital Statistics	775 00		260 00		1,035 00	1,002 17	32 83
Contagious Hospital	17,700 00			9 00	17,709 00	17,049 00	660 00
Maintenance Contagious Hospital	4,960 00				4,960 00	4,138 59	821 41
Inspection of Animals and Provisions	2,280 00		1 00		2,281 00	2,280 36	64
Inspection of Milk and Vinegar	5,085 00				5,085 00	5,018 76	66 24
Inspection of School Children	1,750 00				1,750 00	1,747 06	2 94
School Nurses' Salaries	2,225 00				2,225 00	2,225 00	
Sewers Maintenance	24,000 00				24,000 00	23,067 79	932 21
Maintenance Sewer Buildings	350 00				350 00	241 88	108 12

STATEMENT OF APPROPRIATIONS, 1923 (REVENUE).

	Appropriations Trans. from	Appropriation Trans. to	Receipts and Service Trans.	Total Credit	Expenditures	Balance to Excess and Deficiency
Sanitary Department . . . . .	160,000 00	19,150 00	.....	179,150 00	178,873 15	276 85
Maintenance Sanitary Buildings . . . . .	1,350 00	.....	8 45	773 45	701 49	71 96
Street Cleaning . . . . .	26,000 00	3,000 00	.....	29,000 00	28,996 11	3 89
Total Health and Sanitation	269,290 00	22,411 00	48 95	291,163 95	287,286 79	3,877 16
<b>Highways:—</b>						
Highways Maintenance . . . . .	64,400 00	8,900 00	32,566 46	105,866 46	105,736 44	130 02
Sidewalks Maintenance . . . . .	8,750 00	.....	384 84	8,934 84	8,931 32	3 52
Street Sprinkling . . . . .	40,150 00	3,500 00	.....	43,650 00	43,649 10	90
Street Lighting . . . . .	77,280 00	.....	.....	75,630 00	74,496 27	1,133 73
Maintenance Highway Buildings . . . . .	2,125 00	655 00	.....	2,780 00	2,776 43	3 57
Total Highways . . . . .	192,705 00	13,055 00	32,951 30	236,861 30	235,589 56	1,271 74
<b>Charities and Soldiers' Benefits:—</b>						
Poor Department . . . . .	95,550 00	.....	379 54	89,074 54	88,909 21	165 33
Miscellaneous . . . . .	14,720 00	40 00	12 86	14,772 86	14,770 97	1 89
City Home . . . . .	.....	.....	.....	.....	.....	.....
City Home Buildings . . . . .	5,900 00	.....	4 62	5,244 62	5,241 09	3 53
Soldiers' Benefits . . . . .	.....	.....	.....	.....	.....	.....
General Administration . . . . .	1,340 00	.....	.....	1,340 00	1,319 76	20 24
Military Aid . . . . .	5,000 00	.....	143 00	5,143 00	3,048 00	2,095 00
State Aid . . . . .	8,200 00	.....	64 00	8,264 00	7,361 00	903 00
Soldiers' Relief . . . . .	27,500 00	.....	387 00	25,712 00	22,943 55	2,768 45
Soldiers' Burials . . . . .	1,000 00	.....	.....	1,000 00	758 82	241 18
Total Charities and Soldiers' Benefits . . . . .	159,210 00	9,690 00	991 02	150,551 02	144,352 40	6,198 62

STATEMENT OF APPROPRIATIONS, 1923 (REVENUE).

CITY AUDITOR.

	Appropriations	Appropriation Trans. from	Appropriation Trans. to	Receipts and Service Trans.	Total Credit	Expenditures	Balance to Excess and Deficiency
<b>Education:—</b>							
School Contingent . . . . .	59,350 00	.....	.....	1,031 39	60,381 39	59,449 94	931 45
Outside Tuition . . . . .	8,700 00	.....	.....	.....	8,700 00	7,590 64	1,109 36
School Teachers' Salaries . . . . .	742,000 00	.....	.....	8 00	742,008 00	740,975 37	1,032 63
Janitors' Services . . . . .	61,000 00	2,550 00	.....	22 39	58,472 39	58,316 47	155 92
Fuel and Light . . . . .	61,000 00	.....	550 00	763 64	62,313 64	62,308 68	4 96
Buildings and Grounds . . . . .	55,000 00	50 00	7,920 00	890 35	63,760 35	63,749 32	11 03
Total Education . . . . .	987,050 00	2,600 00	8,470 00	2,715 77	995,635 77	992,390 42	3,245 35
<b>Libraries:—</b>							
Central Library . . . . .	31,100 00	1 00	.....	94 29	31,193 29	31,190 16	3 13
Maintenance Central Library	6,180 00	.....	780 00	.....	6,960 00	6,957 43	2 57
West Somerville Branch Li-							
brary . . . . .	8,475 00	.....	.....	45 57	8,520 57	8,516 35	4 22
Maintenance W. Somerville							
Branch Library . . . . .	2,700 00	100 00	.....	.....	2,600 00	2,575 69	24 31
East Somerville Branch Li-							
brary . . . . .	5,450 00	.....	.....	16 19	5,466 19	5,465 28	91
Maintenance East Somerville							
Branch Library . . . . .	2,000 00	240 00	.....	.....	1,760 00	1,744 98	15 02
Union Square Branch Li-							
brary . . . . .	6,200 00	.....	1 00	20 42	6,221 42	6,220 82	60
Maintenance Union Square							
Branch Library . . . . .	2,800 00	200 00	.....	.....	2,600 00	2,582 38	17 62
Total Libraries . . . . .	64,905 00	541 00	781 00	176 47	65,321 47	65,253 09	68 38
<b>Recreation and Unclassified:—</b>							
Parks Maintenance . . . . .	11,200 00	.....	.....	.....	11,200 00	11,185 76	14 24
Maintenance Park Buildings	2,505 00	.....	750 00	.....	3,255 00	3,250 79	4 21
Playgrounds Maintenance . . . . .	6,600 00	.....	.....	.....	6,600 00	6,545 13	54 87
Public Welfare and Recrea-							
tion Commission . . . . .	5,000 00	.....	.....	.....	5,000 00	4,060 44	939 56

## STATEMENT OF APPROPRIATIONS, 1923 (REVENUE).

	Appropriations	Appropriation Trans. from	Appropriation Trans. to	Receipts and Service Trans.	Total Credit	Expenditures	Balance to Excess and Deficiency
Maintenance Bathhouse . . . . .	2,800 00	250 00	.....	.....	2,550 00	2,547 58	2 42
Celebrations . . . . .	3,000 00	100 00	.....	.....	2,900 00	2,742 30	157 70
Memorial Day . . . . .	600 00	.....	.....	.....	600 00	597 79	2 21
Municipal Documents . . . . .	1,975 00	.....	100 00	.....	2,075 00	2,061 48	13 52
Maintenance Bandstand . . . . .	150 00	.....	65 00	.....	215 00	210 22	4 78
Rifle Practice Cos. A & B . . . . .	1,500 00	.....	.....	.....	1,500 00	352 00	1,148 00
Quarters for American Legion . . . . .	635 00	.....	.....	.....	635 00	635 00	.....
Quarters for George Dilboy Post V. F. W. . . . .	600 00	.....	.....	.....	600 00	600 00	.....
Contingent Fund . . . . .	10,000 00	9,815 00	.....	.....	185 00	.....	185 00
Workmen's Compensation . . . . .	5,000 00	1,000 00	.....	.....	4,000 00	3,907 69	92 31
Pensions . . . . .	46,000 00	1,400 00	.....	.....	44,600 00	44,406 22	193 78
Damage to Persons and Personal Property . . . . .	7,500 00	.....	500 00	.....	8,000 00	7,889 25	110 75
Total Recreation and Unclassified . . . . .	105,065 00	12,565 00	1,415 00	.....	93,915 00	90,991 65	2,923 35
<b>Municipal Indebtedness:—</b>							
Interest . . . . .	100,572 50	.....	6,000 00	2,377 78	108,950 28	104,905 36	4,044 92
Reduction of Funded Debt . . . . .	163,102 50	.....	.....	2,397 50	165,500 00	165,500 00	.....
Total Municipal Indebtedness . . . . .	263,675 00	.....	6,000 00	4,775 28	274,450 28	270,405 36	4,044 92
<b>Water Works:—</b>							
Water Maintenance . . . . .	70,000 00	.....	12,600 00	21,071 91	103,503 29	103,503 29	168 62
Water Works Extension . . . . .	36,000 00	10,200 00	.....	173 23	25,973 23	25,953 59	19 64
Maintenance Water Buildings . . . . .	2,200 00	100 00	70 00	13 52	2,183 52	2,168 78	14 74
Metropolitan Water Assessment . . . . .	135,800 00	.....	3,365 00	.....	139,165 00	139,164 15	85
Total Water Works . . . . .	244,000 00	10,300 00	16,035 00	21,258 66	270,993 66	270,789 81	203 85
Total Appropriations . . . . .	\$2,893,605 00	\$39,901 00	\$72,331 00	\$66,610 27	\$2,992,645 27	\$2,965,055 06	\$27,590 21



STATEMENT OF APPROPRIATIONS, 1923 (REVENUE).

Other Accounts	Balance from 1922	Receipts	Total Credit	Expenditures	Balance to 1924
Income of Trust Funds:—					
School:—					
S. Newton Cutler . . . . .	\$453 25	\$214 50	\$667 75	\$42 90	\$624 85
Caroline G. Baker . . . . .	6 75	13 50	20 25	9 32	10 93
Smith-Hughes . . . . .	1,466 90	2,833 05	4,299 95	4,105 35	194 60
Library:—					
S. Newton Cutler . . . . .	48	42 88	43 36	43 16	20
Martha R. Hunt, Art . . . . .	32 01	100 00	132 01	29 50	102 51
Martha R. Hunt, Book . . . . .	76	495 31	496 07	484 95	11 12
Hunt Fund for Expenses . . . . .	202 77	.....	202 77	145 00	57 77
Isaac Pitman, Art . . . . .	52	171 32	171 84	126 25	45 59
Isaac Pitman, Poetry . . . . .	4 97	42 82	47 79	38 72	9 07
Frances A. Wilder . . . . .	4 29	4 50	8 79	.....	8 79
Poor:—					
Olive C. Cummings . . . . .	357 17	75 05	432 22	.....	432 22
Temporary Loans . . . . .	.....	.....	1,750,000 00	1,750,000 00	.....
State Taxes and Assessments . . . . .	.....	.....	461,487 41	461,487 41	.....
County Tax . . . . .	.....	.....	119,705 93	119,705 93	.....
Tax Titles . . . . .	.....	.....	1,070 30	1,070 30	.....
Real Estate Liens . . . . .	.....	.....	15 30	15 30	.....
Tellers Overs and Shorts . . . . .	.....	.....	56 54	56 54	.....
Refunds,—Taxes . . . . .	.....	.....	122 66	122 66	.....
Water . . . . .	.....	.....	464 92	464 92	.....
Miscellaneous . . . . .	.....	.....	350 75	350 75	.....
Total Other Accounts . . . . .	\$2,529 87	\$3,992 93	\$2,339,796 61	\$2,338,298 96	\$1,497 65
Revenue Totals . . . . .			5,332,441 88	5,303,354 02	29,087 86

## STATEMENT OF APPROPRIATIONS, 1923 (NON-REVENUE).

	Balance From 1922	Appropriations	Appropriation transfers from	Appropriation transfers to	Receipts and Service Trans.	Total Credits.	Expenditures	Balance to 1924
<b>Protection of Persons and Property</b>								
Electrical Department Under- ground								
Wires	\$2,805 95					\$2,805 95	\$565 18	\$2,240 77
Extreme Emergency, Health and Safety	921 36		921 36					
Fire Department, Addi- tional Apparatus	11,500 00	20,000 00				31,500 00	30,781 25	718 75
<b>Health and Sanitation</b>								
Sewers Construction	2,756 38	6,000 00			262 80	9,019 18	5,617 33	3,401 85
<b>Highways</b>								
New Streets	4,274 09	32,500 00		60 00		36,834 09	36,829 49	4 60
Permanent Pavement	2,003 81	50,400 00		1,150 00		53,553 81	53,536 73	17 08
Sidewalks Construction	636 37	12,000 00		650 00	30 00	13,316 37	13,314 46	1 91
Reconstruction and Resurfac- ing	20 38	30,000 00		4,200 00		34,220 38	34,219 66	72
<b>Education</b>								
Addition, Western Junior High School	45,286 10		133 39	150 00		45,302 71	45,302 71	

## STATEMENT OF APPROPRIATIONS, 1923 (NON-REVENUE).

	Balance From 1922	Appro- priations	Appropriation transfers from	Appropriation transfers to	Receipts and Service Trans.	Total Credits	Expenditures	Balance to 1924
Addition, South- ern Junior High School .	38,977 04		8 52		73 58	39,042 10	39,042 10	
Northern-East- ern Junior High School Additional	496,194 70					496,194 70	383,549 03	112,645 67
Land South- ern Junior High School		11,500 00				11,500 00	10,500 00	1,000 00
City Hall Ad- ditions . . .		278,500 00				278,500 00	163,039 25	115,460 75
Additional Land Dur- rell School .		1,000 00				1,000 00		1,000 00
Bennett School Addition .	166 71		166 71					
New School Building East Somerville .	1,046 70					1,046 70		1,046 70
School Houses, Sprinkler Sys- tem . . .	3,539 88					3,539 88		3,539 88
Recreation Field House, Dilboy Field Field House, Richard Trum Playground .	10,037 78			433 50		10,471 28		10,471 28
	5,200 03		3 52			5,196 51	5,196 51	

STATEMENT OF APPROPRIATIONS, 1923 (NON-REVENUE).

	Balance From 1922	Appropriations	Appropriation transfers from	Receipts and Service Trans.	Total Credits	Expenditures	Balance to 1924
Improvement		3,500 00	1,025 00		4,525 00	4,233 17	291 83
Playgrounds,							
West Somerville Junior High School							
Total Appropriation Acc'ts.	\$625,367 28	\$445,400 00	\$1,233 50	\$366 38	\$1,077,568 66	\$825,726 87	\$251,841 79
Other Accounts							
Redemption of Tax Titles				2,061 29	2,061 29	2,061 29	
Liquor License Fees				5 00	5 00	5 00	
Non Revenue Totals				\$2,432 67	\$1,079,634 95	\$827,793 16	\$251,841 79



## COMMONWEALTH OF MASSACHUSETTS.

## Payments.

State Tax . . . . .	\$194,520 00
State Highway Tax . . . . .	791 50
Metropolitan Sewer Assessment . . . . .	106,182 28
Metropolitan Park Assessment . . . . .	66,301 30
Wellington Bridge Assessment . . . . .	1,860 30
Wellington Bridge Special Assessment . . . . .	1,391 50
Grade Crossings Assessment . . . . .	3,507 20
Charles River Basin Assessment . . . . .	9,843 61
Alewife Brook Assessment . . . . .	1,054 72
Abatement of Smoke Assessment . . . . .	403 74
Fire Prevention Assessment . . . . .	1,086 80
Rapid Transit Assessment . . . . .	218 34
Soldiers' Exemption Assessment . . . . .	208 12
Poll Taxes 1923 . . . . .	87,318 00
Liquor Licenses Fees 1923 . . . . .	5 00
Refund Corporation Taxes 1922 . . . . .	125 65
Refund Corporation Taxes 1921 . . . . .	220 58
Refund Corporation Taxes 1920 . . . . .	4 52

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\$475,043 16

## Receipts.

State Aid . . . . .	\$8,256 00
Military Aid . . . . .	2,191 00
Soldiers' Burials . . . . .	698 82
Income Tax 1921 and Prior Years . . . . .	6,456 00
Income Tax 1922 . . . . .	7,294 50
Income Tax 1923 . . . . .	158,721 60
Corporation Taxes 1922 and Prior Years . . . . .	11,075 53
Corporation Taxes 1923 . . . . .	90,009 34
National Bank Taxes 1922 . . . . .	23 76
National Bank Taxes 1923 . . . . .	3,919 70
Street Railway Tax . . . . .	24,874 83
Smith-Hughes Fund . . . . .	2,833 05
Refund Poll Taxes 1920 . . . . .	99 00
Refund Poll Taxes 1921 . . . . .	957 00
Refund Poll Taxes 1922 . . . . .	1,884 00
Account Pedlers' State Licenses . . . . .	175 00
Account Boxing Licenses . . . . .	137 40
Vocational School . . . . .	9,592 10
Continuation School . . . . .	4,160 31
Americanization . . . . .	3,715 91
Commission for Blind . . . . .	500 00
In Lieu of Taxes . . . . .	88 51
Interest on Corporation Taxes . . . . .	1 31
General Aid to Poor . . . . .	4,759 66
Mothers' Aid . . . . .	19,279 70
Tuition State Wards . . . . .	2,462 75
Diseases Dangerous to Health . . . . .	1,517 34

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\$365,684 12

## COUNTY OF MIDDLESEX.

## Payment.

County Tax . . . . .	\$119,705 93
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## STATEMENT OF REVENUE AND EXPENSES.

## Revenue.

Total amount as per assessors commitments . . . . .		\$2,847,096 48
Less State Taxes . . . . .	\$195,311 50	
County Taxes . . . . .	119,705 93	
Poll Taxes for State . . . . .	87,318 00	
Overlay . . . . .	31,610 56	
		433,945 99
Amount raised for municipal purposes . . . . .		\$2,413,150 49

## Other Revenue:

## Commonwealth of Massachusetts

Income Tax 1921 and Prior Years, Excess . . . . .	\$6,456 00
Income Tax 1922, Excess . . . . .	7,294 50
Income Tax 1923 . . . . .	158,721 60
Corporation Taxes 1923 . . . . .	90,062 84
Corporation Taxes, Prior Years . . . . .	10,671 28
National Bank Taxes 1923 . . . . .	3,919 70
National Bank Taxes, Prior Years . . . . .	23 76
Account Boston Elevated Deficit . . . . .	46,106 54
Revenue from Taxes, Supplementary Warrants . . . . .	424 94
Sale of Land on Tax Title Foreclosure . . . . .	519 80
Sale of Land and Buildings, Marshall St. . . . .	6,500 00
Sale of Land, Broadway at Mason Street . . . . .	3,500 00
Sale of Land, Powder House Boulevard . . . . .	400 00
Sale of Land, Waltham . . . . .	1,040 00
Excess on Tax Title Sale . . . . .	102 32
Estimated Revenue . . . . .	\$525,190 00
Excess . . . . .	57,743 82

Transfer from Excess and Deficiency . . . . .	50,000 00
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968,677 10
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\$3,381,827 59
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## Expenses.

General Appropriations . . . . .	\$2,902,879 79
Outlay Appropriations . . . . .	201,400 00
Metropolitan and Other Assessments . . . . .	192,057 91
Tellers Overs and Shorts . . . . .	56 54

3,296,394 24
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Excess of Revenue . . . . .	
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\$ 85,433 35
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TEMPORARY LOANS, 1923.

Taken By	Nos.	Issued	Due	Rate	Amount	Paid
Grafton Company	1083 @ 1092	Jan. 30, 1923	Oct. 16, 1923	3.99	\$100,000 00	Oct. 16, 1923
Somerville Trust Company	1094 @ 1100	Feb. 20, 1923	Nov. 2, 1923	3.85	100,000 00	Nov. 2, 1923
Somerville National Bank	1101 @ 1102	Feb. 20, 1923	Nov. 2, 1923	3.85	50,000 00	Nov. 2, 1923
Commonwealth of Massachusetts	1103	Mar. 7, 1923	Nov. 1, 1923	4.00	300,000 00	Nov. 1, 1923
Commonwealth of Massachusetts	1104	Mar. 30, 1923	Nov. 1, 1923	4 10	300,000 00	Nov. 1, 1923
Old Colony Trust Company	1105 @ 1110	Mar. 31, 1923	Nov. 27, 1923	4.06	100,000 00	Nov. 27, 1923
Old Colony Trust Company	1111 @ 1116	Mar. 31, 1923	Dec. 14, 1923	4.06	100,000 00	Dec. 14, 1923
Somerville National Bank	1117	June 29, 1923	Oct. 26, 1923	4.10	25,000 00	Oct. 26, 1923
Somerville Trust Company	1118	June 29, 1923	Oct. 26, 1923	4 10	25,000 00	Oct. 26, 1923
Old Colony Trust Company	1119 @ 1128	July 20, 1923	Dec. 14, 1923	4.25	150,000 00	Dec. 14, 1923
Old Colony Trust Company	1129 @ 1134	Sept. 10, 1923	Jan. 30, 1924	4.19	100,000 00	
Old Colony Trust Company	1136 @ 1141	Sept. 10, 1923	Feb. 28, 1924	4.19	100,000 00	
Estabrook & Co.	1142 @ 1144	Oct. 29, 1923	Mar. 26, 1924	4 26	50,000 00	
Estabrook & Co.	1145 @ 1154	Oct. 29, 1923	Mar. 26, 1924	4.20	150,000 00	
Old Colony Trust Company	1155 @ 1160	Dec. 4, 1923	Apr. 25, 1924	4.15	100,000 00	
Old Colony Trust Company	1161 @ 1166	Dec. 4, 1923	May 28, 1924	4.15	100,000 00	
Total amount of 1923 loans					\$1,850,000 00	
Outstanding January 1, 1923					500,000 00	
Payments 1923					\$2,350,000 00	
Outstanding December 31, 1923					1,750,000 00	
					\$ 600,000 00	

## FUNDED DEBT.

The total funded debt of the city January 1, 1923 was \$1,459,000.00. New loans amounting to \$450,000.00 were issued. a Schoolhouse loan of \$300,000.00 and a City Hall Addition loan of \$150,000.00. Maturities paid amounted to \$165,500.00. The total debt December 31, 1923 was \$1,743,500.00, a net increase of \$284,500.00.

## Classified Debt January 1, 1923:

City Loan . . . . .	\$197,000 00	
Municipal Loan . . . . .	7,000 00	
Sewer Loan . . . . .	179,000 00	
Public Building Loan . . . . .	211,000 00	
Highway Loan . . . . .	247,000 00	
Schoolhouse Loan . . . . .	575,000 00	
Bridge Loan . . . . .	27,000 00	
	<hr/>	
Total within limit . . . . .		\$1,443,000 00
Sewer Loan . . . . .	9,000 00	
Metropolitan Park Loan . . . . .	7,000 00	
	<hr/>	
Total outside limit . . . . .		\$ 16,000 00
		<hr/>
Total Funded Debt . . . . .		\$1,459,000 00

## Loans Increasing the Debt.

Schoolhouse Loan . . . . .	\$300,000 00	
City Hall Additions . . . . .	150,000 00	
	<hr/>	
		\$450,000, 00

Maturities reducing the debt were as follows:—

City Loan . . . . .	\$41,500 00	
Municipal Loan . . . . .	7,000 00	
Sewer Loan . . . . .	18,000 00	
Public Building Loan . . . . .	18,000 00	
Highway Loan . . . . .	46,000 00	
Bridge Loan . . . . .	1,000 00	
Schoolhouse Loan . . . . .	30,000 00	
	<hr/>	
Total within limit . . . . .		\$ 161,500 00
Sewer Loan . . . . .	3,000 00	
Metropolitan Park Loan . . . . .	1,000 00	
	<hr/>	
Total outside limit . . . . .		\$4,000 00
		<hr/>
Total Maturities . . . . .		\$165,500 00

## Classified Debt December 31, 1923.

City Bonds 3½% . . . . .	\$12,000 00	
City Bonds 4% . . . . .	143,500 00	
City Hall Additions Bonds 4% . . . . .	80,000 00	
City Hall Additions Bonds 4¼% . . . . .	70,000 00	
Sewer Bonds 3½% . . . . .	44,000 00	
Sewer Bonds 4% . . . . .	97,000 00	
Sewer Bonds 4¼% . . . . .	20,000 00	
Public Building Loan Bonds 4% . . . . .	133,000 00	
Public Building Loan Bonds 4½% . . . . .	60,000 00	
Highway Bonds 4% . . . . .	80,000 00	
Highway Bonds 4½% . . . . .	24,000 00	
Highway Bonds 3½% . . . . .	22,000 00	
Highway Bonds 5% . . . . .	75,000 00	
Schoolhouse Bonds 4% . . . . .	845,000 00	
Bridge Bonds 3½% . . . . .	26,000 00	
	<hr/>	
Total within limit . . . . .		\$1,731,500 00
Sewer Bonds 4% . . . . .	\$6,000 00	
Metropolitan Park Bonds 3½% . . . . .	6,000 00	
	<hr/>	
Total outside limit . . . . .		12,000 00
		<hr/>
Total Funded Debt . . . . .		\$1,743,500 00

Debt per capita December 31, 1923 was \$18.35. The tax rate \$1,000 valuation on account of Reduction of Funded Debt in 1923 was \$1.79.

## TAXES.

The total amount of taxable property as of April 1, 1923 was \$92,519, 400.00. The tax rate was fixed at \$29.20 per \$1,000 valuation.

State Tax . . . . .	\$194,520 00
State Highway Tax . . . . .	791 50
Metropolitan Sewer Assessment . . . . .	106,182 28
Metropolitan Park Assessment . . . . .	66,301 30
Wellington Bridge Assessment . . . . .	3,251 80
Grade Crossings Assessments . . . . .	3,507 20
Charles River Basin Assessment . . . . .	9,843 61
Alewife Brook Assessment . . . . .	1,054 72
Abatement of Smoke Assessment . . . . .	403 74
Fire Prevention Assessment . . . . .	1,086 80
Rapid Transit Assessment . . . . .	218 00
County Tax . . . . .	119,705 93
City Budget . . . . .	3,036,605 00
Overlay . . . . .	31,610 56
	<hr/>
Total amount raised . . . . .	\$3,575,082 78



Less estimated revenue . . . . .	\$525,190 00	
Appropriated from Excess and Deficiency	50,000 00	
State Income Tax . . . . .	75,700 70	
State Income Tax, School Fund . . . . .	80,913 60	
Corporation Tax . . . . .	80,000 00	
National Bank Tax . . . . .	3,500 00	
Poll Taxes, Proportional Part for City Use . . . . .	58,212 00	
		<u>\$873,516 30</u>
Net Amount Assessed in Taxes . . . . .		\$2,701,566 48

#### Special Assessments.

Street Sprinkling . . . . .	45,504 18
Amount Committed . . . . .	<u>\$2,747,070 66</u>

Appropriations, classified under general headings, were made from revenue, as follows:—

General Government . . . . .	\$128,235 00
Protection of Persons and Property . . . . .	499,470 00
Health and Sanitation . . . . .	275,290 00
Highways . . . . .	309,705 00
Charities . . . . .	116,170 00
Soldiers' Benefits . . . . .	43,040 00
Education . . . . .	987,050 00
Libraries . . . . .	64,905 00
Recreation . . . . .	31,105 00
Unclassified . . . . .	73,960 00
Municipal Indebtedness . . . . .	263,675 00
Water Works . . . . .	244,000 00
	<u>\$3,036,605 00</u>
Less estimated receipts and appropriation from excess and deficiency . . . . .	815,304 30
Raised by taxation for city purposes . . . . .	<u>\$2,221,300 70</u>

FUNDED DEBT, DECEMBER 31, 1923

	City Loan	City Hall Additions	Sewer Loan	Public Building Loan	Highway Loan	Lowell Street Bridge Loan	Sewer Loan 1895 Chap. 357	Metropolitan Park Assessment Loan 325, 1902	School-house Loan	Total Maturities By Years
1924.....	\$25,500	\$8,000	\$17,000	\$18,000	\$46,000	\$1,000	\$3,000	\$1,000	\$45,000	\$164,500
1925.....	23,000	8,000	17,000	18,000	35,000	1,000	3,000	1,000	45,000	151,000
1926.....	19,000	8,000	15,000	18,000	30,000	1,000	.....	1,000	45,000	137,000
1927.....	19,000	8,000	14,000	17,000	22,000	1,000	.....	1,000	45,000	127,000
1928.....	17,000	8,000	12,000	16,000	19,000	1,000	.....	1,000	44,000	118,000
1929.....	16,000	8,000	11,000	16,000	19,000	1,000	.....	1,000	44,000	116,000
1930.....	15,000	8,000	10,000	16,000	15,000	1,000	.....	.....	44,000	109,000
1931.....	12,000	8,000	10,000	15,000	10,000	1,000	.....	.....	44,000	100,000
1932.....	9,000	8,000	8,000	15,000	5,000	1,000	.....	.....	44,000	90,000
1933.....	.....	8,000	8,000	14,000	.....	1,000	.....	.....	43,000	74,000
1934.....	.....	7,000	8,000	14,000	.....	1,000	.....	.....	43,000	73,000
1935.....	.....	7,000	7,000	8,000	.....	1,000	.....	.....	43,000	66,000
1936.....	.....	7,000	6,000	4,000	.....	1,000	.....	.....	43,000	61,000
1937.....	.....	7,000	6,000	4,000	.....	1,000	.....	.....	43,000	61,000
1938.....	.....	7,000	4,000	.....	.....	1,000	.....	.....	43,000	55,000
1939.....	.....	7,000	3,000	.....	.....	1,000	.....	.....	43,000	54,000
1940.....	.....	7,000	2,000	.....	.....	1,000	.....	.....	43,000	53,000
1941.....	.....	7,000	1,000	.....	.....	1,000	.....	.....	43,000	52,000
1942.....	.....	7,000	1,000	.....	.....	1,000	.....	.....	43,000	52,000
1943.....	.....	7,000	1,000	.....	.....	1,000	.....	.....	15,000	24,000
1944.....	.....	.....	.....	.....	.....	1,000	.....	.....	.....	1,000
1945.....	.....	.....	.....	.....	.....	1,000	.....	.....	.....	1,000
1946.....	.....	.....	.....	.....	.....	1,000	.....	.....	.....	1,000
1947.....	.....	.....	.....	.....	.....	1,000	.....	.....	.....	1,000
1948.....	.....	.....	.....	.....	.....	1,000	.....	.....	.....	1,000
1949.....	.....	.....	.....	.....	.....	1,000	.....	.....	.....	1,000
	<b>\$155,500</b>	<b>\$150,000</b>	<b>\$161,000</b>	<b>\$193,000</b>	<b>\$201,000</b>	<b>\$26,000</b>	<b>\$6,000</b>	<b>\$6,000</b>	<b>\$845,000</b>	<b>\$1,743,500</b>

INTEREST REQUIREMENTS ON PRESENT CITY DEBT

	City	City Hall Additions	Sewer	Public Buildings	Highway	Bridges	Metropolitan Park	School-house	Total
1924.....	\$5,850 00	\$6,175 00	\$6,278 75	\$7,820 00	\$7,880 00	\$892 50	\$210 00	\$33,160 00	\$68,266 25
1925.....	4,850 00	5,855 00	5,506 25	7,075 00	6,180 00	857 50	175 00	31,360 00	61,858 75
1926.....	4,022 50	5,535 00	4,768 75	6,330 00	4,795 00	822 50	140 00	29,560 00	55,973 75
1927.....	3,267 50	5,215 00	4,186 25	5,585 00	3,610 00	787 50	105 00	27,760 00	50,516 25
1928.....	2,552 50	4,895 00	3,663 75	4,880 00	2,670 00	752 50	70 00	25,980 00	45,463 75
1929.....	1,897 50	4,575 00	3,196 25	4,220 00	1,790 00	717 50	35 00	24,220 00	40,651 25
1930.....	1,280 00	4,255 00	2,768 75	3,560 00	1,000 00	682 50	.....	22,460 00	36,006 25
1931.....	740 00	3,935 00	2,381 25	2,920 00	425 00	647 50	.....	20,700 00	31,748 75
1932.....	320 00	3,615 00	2,013 75	2,300 00	100 00	612 50	.....	18,940 00	27,901 25
1933.....	.....	3,295 00	1,701 25	1,700 00	.....	577 50	.....	17,180 00	24,453 75
1934.....	.....	2,975 00	1,388 75	1,120 00	.....	542 50	.....	15,460 00	21,486 25
1935.....	.....	2,677 50	1,096 25	620 00	.....	507 50	.....	13,740 00	18,641 25
1936.....	.....	2,380 00	841 25	360 00	.....	472 50	.....	12,020 00	16,073 75
1937.....	.....	2,082 50	603 75	180 00	.....	437 50	.....	10,300 00	13,603 75
1938.....	.....	1,785 00	406 25	.....	.....	402 50	.....	8,580 00	11,173 75
1939.....	.....	1,487 50	268 75	.....	.....	367 50	.....	6,860 00	8,983 75
1940.....	.....	1,190 00	168 75	.....	.....	332 50	.....	5,140 00	6,831 25
1941.....	.....	892 50	106 25	.....	.....	297 50	.....	3,420 00	4,716 25
1942.....	.....	595 00	63 75	.....	.....	262 50	.....	1,700 00	2,621 25
1943.....	.....	297 50	21 25	.....	.....	227 50	.....	300 00	846 25
1944.....	.....	.....	.....	.....	.....	192 50	.....	.....	192 50
1945.....	.....	.....	.....	.....	.....	157 50	.....	.....	157 50
1946.....	.....	.....	.....	.....	.....	122 50	.....	.....	122 50
1947.....	.....	.....	.....	.....	.....	87 50	.....	.....	87 50
1948.....	.....	.....	.....	.....	.....	52 50	.....	.....	52 50
1949.....	.....	.....	.....	.....	.....	17 50	.....	.....	17 50
	<u>\$24,780 00</u>	<u>\$63,712 50</u>	<u>\$41,430 00</u>	<u>\$48,670 00</u>	<u>\$28,450 00</u>	<u>\$11,830 00</u>	<u>\$735 00</u>	<u>\$328,840 00</u>	<u>\$548,447 50</u>



MATURITIES ON FUNDED DEBT 1924

Class of Loan	Jan. 1, 1924	April 1, 1924	July 1, 1924	Oct. 1, 1924	Total
City . . . . .	\$2,000 00	\$14,000 00	\$9,500 00	.....	\$25,500 00
Sewers . . . . .	3,000 00	9,000 00	8,000 00	.....	20,000 00
Public Buildings . . . . .	5,000 00	5,000 00	8,000 00	.....	18,000 00
Highway . . . . .	8,000 00	36,000 00	2,000 00	.....	46,000 00
Bridge . . . . .	.....	1,000 00	.....	.....	1,000 00
Metropolitan Park . . . . .	.....	.....	1,000 00	.....	1,000 00
Schoolhouse . . . . .	15,000 00	17,000 00	.....	13,000 00	45,000 00
City Hall Additions . . . . .	.....	.....	.....	8,000 00	8,000 00
Total . . . . .	\$33,000 00	\$82,000 00	\$28,500 00	\$21,000 00	\$164,500 00

INTEREST REQUIREMENTS ON FUNDED DEBT 1924

Class of Loan	Jan. 1, 1924	April 1, 1924	July 1, 1924	Oct. 1, 1924	Total
City . . . . .	\$1,670 00	\$1,410 00	\$1,630 00	\$1,140 00	\$5,850 00
Sewer . . . . .	760 00	2,495 00	705 00	2,318 75	6,278 75
Public Buildings . . . . .	2,950 00	1,060 00	2,850 00	960 00	7,820 00
Highway . . . . .	505 00	3,895 00	365 00	3,115 00	7,880 00
Bridge . . . . .	.....	455 00	.....	437 50	892 50
Metropolitan Park . . . . .	105 00	.....	105 00	.....	210 00
Schoolhouse . . . . .	6,000 00	10,900 00	5,700 00	10,560 00	33,160 00
City Hall Additions . . . . .	.....	3,087 50	.....	3,087 50	6,175 00
Total . . . . .	\$11,990 00	\$23,302 50	\$11,355 00	\$21,618 75	\$68,266 25

MATURITIES ON FUNDED DEBT (SIX YEARS)

Class of Loan	1919	1920	1921	1922	1923	1924	Total
City	\$92,500 00	\$79,500 00	\$68,500 00	\$52,500 00	\$41,500 00	\$25,500 00	\$360,000 00
Municipal	8,000 00	8,000 00	8,000 00	8,000 00	7,000 00	.....	39,000 00
Sewer	23,000 00	23,000 00	23,000 00	23,000 00	21,000 00	20,000 00	133,000 00
Public Buildings	24,000 00	24,000 00	24,000 00	19,000 00	18,000 00	18,000 00	127,000 00
Highway	78,000 00	68,000 00	64,000 00	60,000 00	46,000 00	46,000 00	362,000 00
Bridges	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	6,000 00
Metropolitan Park	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	6,000 00
Water	4,000 00	2,000 00	.....	.....	.....	.....	6,000 00
Extreme Emergency	5,000 00	5,000 00	5,000 00	5,000 00	.....	.....	20,000 00
Schoolhouse	.....	.....	.....	.....	30,000 00	45,000 00	75,000 00
City Hall Additions	.....	.....	.....	.....	.....	8,000 00	8,000 00
Total	\$236,500 00	\$211,500 00	\$194,500 00	\$169,500 00	\$165,500 00	\$164,500 00	\$1,142,000 00

INTEREST REQUIREMENTS ON FUNDED DEBT (SIX YEARS)

Class of Loan	1919	1920	1921	1922	1923	1924	Total
City	\$18,162 50	\$14,757 50	\$11,767 50	\$9,257 50	\$7,302 50	\$5,850 00	\$67,097 50
Municipal	1,755 00	1,395 00	1,035 00	675 00	315 00	.....	5,175 00
Sewer	10,641 25	9,748 75	8,856 25	7,963 75	7,091 25	6,278 75	50,580 00
Public Buildings	12,285 00	11,300 00	10,315 00	9,330 00	8,565 00	7,820 00	59,615 00
Highways	12,162 50	11,457 50	11,345 00	11,050 00	9,800 00	7,880 00	63,695 00
Bridges	1,067 50	1,032 50	997 50	962 50	927 50	892 50	5,880 00
Metropolitan Park	385 00	350 00	315 00	280 00	245 00	210 00	1,785 00
Water	240 00	80 00	.....	.....	.....	.....	320 00
Extreme Emergency	850 00	637 50	425 00	212 50	.....	.....	2,125 00
Schoolhouse	.....	.....	.....	6,500 00	28,660 00	33,160 00	68,320 00
City Hall Additions	.....	.....	.....	.....	.....	6,175 00	6,175 00
Total	\$57,548 75	\$50,758 75	\$45,056 25	\$46,231 25	\$62,906 25	\$68,266 25	\$330,767 50

## BORROWING CAPACITY DECEMBER 31, 1923

Valuation 1921 . . . . .	\$86,718,289 60	
Supplemetary . . . . .	75,258 00	\$86,793,547 60
	<hr/>	
Valuation 1922 . . . . .	88,158,139 27	
Supplementary . . . . .	8,400 00	\$88,166,539 27
	<hr/>	
Valuation 1923 . . . . .	92,519,400 00	
Supplementary . . . . .	9,000 00	92,528,400 00
	<hr/>	
Total . . . . .		\$267,488,486 87
Abatements 1921 . . . . .	\$680,158 00	
Abatements 1922 . . . . .	484,629 00	
Abatements 1923 . . . . .	344,500 00	1,509,287 00
	<hr/>	
		\$265,979,199 87
Average valuation for three years . . . . .		88,659,733 29
Two and one-half per cent . . . . .		2,216,493 33
Present debt within limit . . . . .		1,731,500 00
		<hr/>
Borrowing capacity December 31, 1923 . . . . .	\$	484,993 33
Maturities in 1924:—		
January 1, . . . . .	\$33,000 00	
April 1, . . . . .	82,000 00	
July 1, . . . . .	\$28,500 00	
Less Outside Limit . . . . .	4,000 00	24,500 00
October 1. . . . .	<hr/>	21,000 00
		<hr/>
		\$160,500 00
		<hr/>
		\$645,493 33.

**ABATEMENTS SPECIAL ASSESSMENTS PRIOR YEARS**

Street Sprinkling 1922 . . . . .	\$13 50
Credit:	
Excess and Deficiency . . . . .	13 50

**WATER CHARGES 1922 ABATED**

Charges:		
Metered 1922 . . . . .	160 16	
Annual 1922 . . . . .	6 25	
		\$166 41
Credit:		
Excess and Deficiency . . . . .		166 41

**TELLERS OVERS AND SHORTS**

Charges:		
Shortage . . . . .		\$56 54
Credit:		
Revenue 1923 . . . . .		56 54

**STATE INCOME TAX 1921 AND PRIOR YEARS**

Credit:		
Cash from Commonwealth . . . . .		\$6,456 00
Charges:		
Revenue 1923 . . . . .		6,456 00

**STATE INCOME TAX 1922**

Credit:		
Cash from Commonwealth . . . . .		\$7,294 50
Charges:		
Revenue 1923 . . . . .		7,294 50

**STATE INCOME TAX 1923**

Credit:		
Cash from Commonwealth . . . . .		\$158,721 60
Charges:		
Estimate Account General School Fund . . . . .	\$80,913 60	
Estimate Account General Purposes . . . . .	75,700 70	
Revenue 1923 . . . . .	2,107 30	
		\$158,721 60

**CORPORATION TAXES**

Credits:		
Cash, Commonwealth Account 1922 and Prior Years . . . . .	\$11,075 53	
Commonwealth Account 1923 . . . . .	90,009 34	
		\$101,084 87
Charges:		
Estimate for 1923 . . . . .	\$80,000 00	
Refunds to Commonwealth . . . . .	350 75	
Revenue 1923 . . . . .	20,734 12	
		\$101,084 87

## NATIONAL BANK TAXES

Credits:			
Cash, Commonwealth, Account 1922 . . . . .		23 76	
Commonwealth Account 1923 . . . . .		3,919 70	
		<hr/>	\$3,943 46
Charges:			
Estimate 1923 . . . . .		\$3,500 00	
Revenue 1923 . . . . .		443 46	
		<hr/>	\$3,943 46

## TAX TITLES

Charges:			
Balance from 1922 Account . . . . .		\$3,164 08	
Taxes for 1922 . . . . .		770 30	
Land Court Fees . . . . .		300 00	
		<hr/>	\$4,234 38
Credit:			
Cash, Titles Sold . . . . .			2,573 25
			<hr/>
Balance to 1924 Account . . . . .			\$1,661 13

## REAL ESTATE LIENS

Charges:			
Balance from 1922 Account . . . . .		\$74 43	
Taxes 1922 . . . . .		15 30	
		<hr/>	\$89 73
Credit:			
Cash paid city . . . . .			65 00
			<hr/>
Balance to 1924 Account . . . . .			\$24 73

## GRADE CROSSING ADVANCES

Charges:			
Balance from 1922 Account . . . . .			\$427 30

## SALE OF LAND AND BUILDINGS, MARSHALL STREET

Credit:			
Balance from 1922 Account . . . . .		\$1,500 00	
Cash . . . . .		5,000 00	
		<hr/>	\$6,500 00
Charges:			
Revenue 1923 . . . . .			6,500 00

## TAILINGS

Credit:			
Balance from 1922 Account . . . . .			\$291 05

## PREMIUMS ON BONDS

Credits:			
Balance from 1922 Account . . . . .		\$2,397 50	
Cash, Loan of January 1, . . . . .		3,270 00	
Loan of October 1, . . . . .		73 50	
		<hr/>	\$5,741 00
Charges:			
General Appropriations 1923 . . . . .			\$2,397 50
			<hr/>
Balance to 1924 Account . . . . .			\$3,343 50



## ACCRUED INTEREST ON BONDS

Credits:	
Balance from 1922 Account . . . .	\$111 11
Cash, Loan of January 1, . . . .	2,266 67
Loan of October 1, . . . .	428 82
	<hr/>
	\$2,806 60
Charges:	
General Appropriations 1923 . . . .	2,377 78
	<hr/>
Balance to 1924 Account . . . .	\$428 82

## REVENUE FROM TAXES, SUPPLEMENTARY WARRANTS

Credits:	
Balance from 1922 . . . . .	\$528 66
Supplementary Warrants . . . . .	907 80
Charged to Commonwealth Account of Abated Polls . . . . .	29 00
	<hr/>
	\$1,465 46
Charges:	
Abatements . . . . .	\$182 24
Credit Commonwealth, Account of Polls 1923 . . . . .	387 00
Revenue 1923 . . . . .	424 94
	<hr/>
	994 18
	<hr/>
Balance to 1924 Account . . . .	\$471 28

## REDEMPTION OF TAX TITLES

Credit:	
Cash received . . . . .	\$2,061 29
Charges:	
Cash paid, Titles redeemed . . . .	2,061 29

## OVERLAY ACCOUNTS

## Overlay 1917

Credit:	
Balance from 1922 account . . . .	\$766 20
Charges:	
Abatements . . . . .	772 20
	<hr/>
Debit balance to 1924 account . .	\$6 00

## Overlay 1918

Credit:	
Balance from 1922 account . . . .	\$141 52
Charges:	
Abatements . . . . .	\$120 32
Reserve Fund, Surplus from Overlays	21 20
	<hr/>
	\$141 52



## Overlay 1919

## Credit:

Transfer from Reserve Fund . . . . .	\$220 00	
Adjustment Taxes 1919 . . . . .	3 51	
		<u>\$223 51</u>

\$223 51

## Charges:

Balance from 1922 account . . . . .	\$111 29	
Abatements . . . . .	100 30	
Reserve Fund, Surplus from Overlay . . . . .	11 92	
		<u>\$223 51</u>

\$223 51

## Overlay 1920

## Credit:

Balance from 1922 account . . . . .	\$1,007 13	
Commonwealth of Massachusetts, on account of abated polls . . . . .	99 00	
		<u>\$1,106 13</u>

\$1,106 13

## Charges:

Abatements . . . . .	\$791 93	
Reserve Fund, Surplus from Overlay . . . . .	56 55	
		<u>848 48</u>

848 48

Balance to 1924 account . . . . .		<u>\$257 65</u>
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\$257 65

## Overlay 1921

## Credit:

Balance from 1922 account . . . . .	\$3,603 21	
Reserve Fund . . . . .	600 00	
Commonwealth of Massachusetts, on account of abated polls . . . . .	51 00	
Taxes paid after abatement . . . . .	10 00	
		<u>\$4,264 21</u>

\$4,264 21

## Charges:

Abatements . . . . .	\$3,493 39	
Adjustment of charges to Common- wealth on account of polls abated in 1922 . . . . .	592 00	
Reserve Fund, Surplus from Overlay . . . . .	81 72	
		<u>\$4,167 11</u>

\$4,167 11

Balance to 1924 account . . . . .		<u>\$97 10</u>
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\$97 10

## Overlay 1922

## Credit:

Balance from 1922 account . . . . .	\$15,203 55	
Commonwealth of Massachusetts, on account of abated polls . . . . .	1,089 00	
		<u>\$16,292 55</u>

\$16,292 55

## Charges:

Abatements . . . . .	\$8,846 83	
Adjustment of charges to Common- wealth on account of polls abated in 1922 . . . . .	440 00	
Reserve Fund, Surplus from Overlay . . . . .	5,840 04	
		<u>\$15,126 87</u>

\$15,126 87

Balance to 1924 account . . . . .		<u>\$1,165 68</u>
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\$1,165 68

## Overlay 1923

## Credits:

Taxes 1923 . . . . .	\$31,610 56	
Commonwealth of Massachusetts, on account of abated polls . . . . .	13,200 00	
Tax paid after abatement . . . . .	5 00	
	<hr/>	\$44,815 56

## Charges:

Abatements . . . . .		\$25,169 88
Balance to 1924 account . . . . .		<hr/> \$19,645 68

## RESERVE FUND, SURPLUS FROM OVERLAYS

## Credit:

Balance from 1922 account . . . . .	\$3,356 45	
Overlay 1918 . . . . .	21 20	
Overlay 1919 . . . . .	11 92	
Overlay 1920 . . . . .	56 55	
Overlay 1921 . . . . .	81 72	
Overlay 1922 . . . . .	5,840 04	
	<hr/>	\$9,367 88

## Charges:

Overlay 1919 . . . . .	220 00	
Overlay 1921 . . . . .	600 00	
	<hr/>	820 00
Balance to 1924 account . . . . .		<hr/> \$8,547 88

## EXCESS AND DEFICIENCY

## Credits:

Balance from 1922 account . . . . .	\$150,005 89	
Refunds 1922 accounts . . . . .	190 53	
Revenue Excess 1923 . . . . .	85,433 35	
	<hr/>	\$235,629 77

## Charges:

General Appropriations . . . . .	\$50,000 00	
Outlay Appropriations . . . . .	95,000 00	
Abatements Special Assessments, Prior Years . . . . .	13 50	
Water Charges 1922 Abated . . . . .	166 41	
	<hr/>	\$145,179 91
Balance to 1924 account . . . . .		<hr/> \$90,449 86

## CLASSIFICATION OF RECEIPTS AND EXPENDITURES

		Receipts
<b>General Revenue:</b>		
Taxes:—		
Taxes 1923 . . . . .		\$2,233,134 46
Taxes 1922 . . . . .		401,933 18
Taxes 1921 . . . . .		1,207 07
Taxes 1920 . . . . .		627 64
Taxes 1919 . . . . .		4 00
From State:—		
Corporations 1922 and Prior Years . . . . .		11,075 53
Corporations 1923 . . . . .		90,009 34
National Bank 1922 . . . . .		23 76
National Bank 1923 . . . . .		3,919 70
Street Railway 1923 . . . . .		24,874 83
Income 1921 and Prior Years . . . . .		6,456 00
Income 1922 . . . . .		7,294 50
Income 1923 . . . . .		158,721 60
Excise Tax, Ship Owners . . . . .		35 66
<b>Licenses and Permits:</b>		
Licenses:—		
Amusements . . . . .		1,040 00
Dealers in Motor Vehicles . . . . .		1,050 00
Junk . . . . .		845 00
Milk . . . . .		424 00
Pool, billiards and bowling . . . . .		334 00
Sunday . . . . .		645 50
Innholders and victuallers . . . . .		146 00
Pedlers . . . . .		940 00
All other . . . . .		383 00
Permits:—		
Marriage . . . . .		1,373 00
Buildings . . . . .		2,639 00
Electrical . . . . .		3,668 00
All other . . . . .		1,793 40
<b>Fines and Forfeits:</b>		
Court Fines . . . . .		9,621 74
Departmental Penalties . . . . .		229 00
Tax Titles Sold to Individuals . . . . .		2,573 25
<b>Grants and Gifts</b>		
From State:—		
Vocational Schools . . . . .		9,592 10
Continuation Schools . . . . .		4,160 31
Smith-Hughes Fund . . . . .		2,833 05
Deficit Boston Elevated Railway . . . . .		46,106 54
Americanization . . . . .		3,715 91
From County:—		
Dog Licenses . . . . .		2,198 78

**All Other General Revenue**

Sale of Land and Buildings . . . . .	10,459 80
State, in lieu of taxes . . . . .	88 51
Individual, in lieu of taxes . . . . .	100 00
Bankrupt dividend on taxes . . . . .	27 81
U. S. Fuel Administrator . . . . .	35 58
Surplus Tax Title Sale . . . . .	102 32

Total General Revenue . . . . .		<u>\$3,046,442 87</u>
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**Commercial Revenue—Special Assessments**

## For Expenses:—

Street Sprinkling 1923 . . . . .	\$37,413 84
Street Sprinkling 1922 . . . . .	7,532 92

## For Outlays:—

Sewers 1921 . . . . .	92 72
Sewers 1922 . . . . .	6,469 13
Sidewalks 1921 . . . . .	1,012 07
Sidewalks 1922 . . . . .	3,341 05
Sidewalks 1923 . . . . .	2,484 54
Street Betterments 1921 . . . . .	864 37
Street Betterment 1922 . . . . .	7,361 02
Street Betterment 1923 . . . . .	5,720 19

Total Commercial Revenue—Special Assessments . . . . .		<u>\$72,291 85</u>
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**Commercial Revenue—Departmental****General Government**

Treasurer . . . . .	\$1,040 00
Collector . . . . .	6,284 36
Assessors . . . . .	5 50
City Clerk . . . . .	1,796 85
Engineering . . . . .	11 90
Commissioner of Buildings . . . . .	15 76
Law Department . . . . .	4 85

**Protection of Persons and Property.**

## Police:—

Cloth . . . . .	268 40
Rent of Court Room . . . . .	1,012 50
All other . . . . .	131 52

## Fire:—

Sale of Old Materials . . . . .	74 50
Sealer of Weights and Measures . . . . .	619 25

**Health and Sanitation**

Contagious Hospital . . . . .	7,083 14
Health Department . . . . .	1,169 98
Inspection . . . . .	740 35
Sewer Connections . . . . .	59 35
New Sewer . . . . .	233 07

## Sanitary:—

Collection Ashes and Waste . . . . .	1,995 60
Incinerator . . . . .	300 00
Sale of Equipment . . . . .	331 50
Sanitary Buildings . . . . .	567 04

**Highways:**

Labor and materials . . . . .	15,241 06
Sidewalk Maintenance . . . . .	32 53
Street Sprinkling . . . . .	24 30
Rent of Tenements . . . . .	240 00

**Charities**

## Almshouse:—

Sale of Produce, etc. . . . .	3,194 31
Board . . . . .	4,497 56

## Outside Relief:—

Individuals . . . . .	268 00
Cities and Towns . . . . .	3,506 15
State . . . . .	4,759 66

## Mothers' Aid:—

Cities and Towns . . . . .	3,049 11
State . . . . .	19,279 70

**Soldiers' Benefits**

State Aid . . . . .	8,256 00
Military Aid . . . . .	2,191 00
Soldiers' Burials . . . . .	698 82

**Education**

Tuition State Wards . . . . .	2,962 75
Other Tuition . . . . .	7,579 63
High School Hall . . . . .	1,035 00
School Buildings . . . . .	309 15
Miscellaneous . . . . .	48 37

**Libraries**

Fines, Lost Books, etc. . . . .	2,281 71
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**Recreation**

Shower Baths . . . . .	437 70
Bathhouse . . . . .	497 45

**Unclassified**

Electrolysis . . . . .	750 00
Real Estate Liens . . . . .	65 00

Total Commercial Revenue—De-  
partmental . . . . .

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\$104,950 38



## Commercial Revenue—Public Service Enterprises

## Water Department

Sale of Water:—		
Metered 1923 . . . . .	\$229,731 31	
Metered 1922 . . . . .	33,514 27	
Annual . . . . .	24,655 02	
Additional . . . . .	1,043 08	
Service Assessments . . . . .	12,471 05	
Maintenance Bills . . . . .	7,617 82	
Total Commercial Revenue— Public Service Enterprises . . . . .		<u>\$309,032 55</u>

## Commercial Revenue—Interest

Deposits . . . . .	\$15,366 88	
Taxes . . . . .	14,301 38	
Special Assessments . . . . .	302 42	
Tax Titles . . . . .	399 82	
Miscellaneous . . . . .	140 76	
Trust Funds:—		
School . . . . .	228 00	
Library . . . . .	856 83	
Poor . . . . .	75 05	
Total Commercial Revenue—In- terest . . . . .		<u>\$31,671 14</u>

## Municipal Indebtedness

Temporary Loans:—		
Anticipation of Revenue . . . . .	\$1,850,000 00	
General Loans:—		
City Hall Additions . . . . .	150,000 00	
Schoolhouse . . . . .	300,000 00	
Premium on Loans . . . . .	3,343 50	
Total Municipal Indebtedness . . . . .		<u>\$2,303,343 50</u>

## Agency, Trust and Investment

Redemption of Tax Titles . . . . .	\$2,061 29	
Liquor Licenses for State . . . . .	5 00	
Total Agency, Trust and Invest- ment . . . . .		<u>\$2,066 29</u>

## Refunds

General Appropriations . . . . .	\$1,000 58	
General Appropriations, Account Prior Year . . . . .	65 53	
Outlay Appropriations . . . . .	73 58	
Soldiers' Benefits 1923 . . . . .	594 00	
Soldiers' Benefits 1922 . . . . .	146 00	
Accrued Interest . . . . .	2,695 49	
Commonwealth:—		
Poll Taxes 1920 . . . . .	99 00	
Poll Taxes 1921 . . . . .	957 00	
Poll Taxes 1922 . . . . .	1,884 00	
Total Refunds . . . . .		<u>\$ 7,515 18</u>
Total Receipts . . . . .		<u>\$5,877,313 76</u>



## EXPENDITURES

## General Government

	Expenses	Outlays
<b>Board of Aldermen Expenses</b>		
Books, postage and supplies	\$34 80	
Printing and advertising .	146 58	
Refreshments . . . . .	801 97	
Badges . . . . .	16 80	
All other . . . . .	15 43	
Special Items:		
Expense to Harding Fu-		
neral . . . . .	287 84	
	<hr/>	\$1,303 42
<b>Clerk of Committees Department</b>		
Salaries and Wages:—		
Clerk . . . . .	2,100 00	
Assistant Clerk . . . . .	700 00	
Other Expenses:—		
Books, postage and sup-		
plies . . . . .	52 43	
Printing and advertising	15 50	
Telephone . . . . .	89 73	
All other . . . . .	4 75	
Special Item:		
Typewriter . . . . .	50 63	
	<hr/>	3,013 04
<b>Executive Department</b>		
Salaries and Wages:—		
Mayor . . . . .	4,000 00	
Secretary . . . . .	1,500 00	
Clerks . . . . .	1,118 67	
Other Expenses:—		
Auto Maintenance . . . . .	400 00	
Books, postage and sup-		
plies . . . . .	124 23	
Printing and advertising	63 50	
Telephone . . . . .	158 56	
Contingent Expenses . . . . .	500 67	
All other . . . . .	21 17	
	<hr/>	7,886 80
<b>Auditing Department</b>		
Salaries and Wages:—		
Auditor . . . . .	3,100 00	
Clerks . . . . .	1,972 17	
Other Expenses:—		
Books, postage and sup-		
plies . . . . .	105 86	
Printing and advertising	410 75	
Binding . . . . .	47 00	
Telephone . . . . .	54 96	
All other . . . . .	5 00	
Special Item:—		
Adding Machine . . . . .	362 60	
	<hr/>	6,058 34

	Expenses	Outlays
<b>Treasury Department</b>		
Salaries and Wages:—		
Treasurer and Collector	4,000 00	
Deputy Collector . . . .	2,000 00	
Cashiers . . . . .	2,500 24	
Clerks . . . . .	9,155 68	
Other Expenses:—		
Books, postage and supplies . . . . .	2,587 86	
Printing and advertising	1,111 54	
Telephone . . . . .	163 36	
Bonds . . . . .	285 00	
Care Fares . . . . .	19 85	
Car Hire . . . . .	42 00	
All other . . . . .	390 09	
Special Items:—		
Adding Machines . . . . .	215 00	
Typewriter . . . . .	405 00	
	<hr/>	22,875 62
<b>Assessors' Department</b>		
Salaries and Wages:—		
Chairman . . . . .	2,800 00	
Assessors . . . . .	4,800 00	
Assistant Assessors . . . .	1,575 00	
Clerks (Office) . . . . .	7,281 94	
Clerks (Street) . . . . .	305 00	
Other Expenses:		
Books, postage and supplies . . . . .	943 85	
Printing and advertising	3,054 01	
Carfares, auto hire, etc. . .	33 60	
Telephones . . . . .	44 76	
All other . . . . .	38 17	
	<hr/>	20,876 33
<b>Licensing Commission</b>		
Salaries and Wages:—		
Secretary . . . . .	118 22	
Inspector . . . . .	200 00	
Clerk . . . . .	184 33	
Assistant . . . . .	216 92	
Other Expenses:		
Books, postage and supplies . . . . .	262 39	
Special Item:—		
Typewriter . . . . .	101 25	
	<hr/>	1,083 11

	Expenses	Outlays
<b>Pedlers' License Commission</b>		
Books, postage and supplies . . . . .	10 03	
Printing . . . . .	14 75	
	<hr/>	
		24 78
<b>Certification of Notes and Bonds</b>		
Certifying . . . . .	910 00	
	<hr/>	
		910 00
<b>City Clerk's Department</b>		
Salaries and Wages:—		
City Clerk . . . . .	3,800 00	
Assistant City Clerk . . . . .	2,000 00	
Clerks . . . . .	3,023 42	
Other Expenses:—		
Books, postage and supplies . . . . .	490 05	
Printing and advertising . . . . .	208 04	
Binding . . . . .	24 25	
Telephone . . . . .	145 62	
All other . . . . .	30 63	
	<hr/>	
		9,722 01
<b>Registration of City Laborers</b>		
Salaries and Wages:—		
Registration Clerk . . . . .	400 00	
Other Expenses:—		
Stationery and postage . . . . .	9 75	
All other . . . . .	1 00	
Special Item:—		
File . . . . .	35 50	
	<hr/>	
		446 25
<b>Law Department</b>		
Salaries and Wages:—		
City Solicitor . . . . .	2,700 00	
Asst. City Solicitor . . . . .	705 02	
Other Expenses:—		
Books, postage and supplies . . . . .	47 00	
Printing and advertising . . . . .	16 50	
Recording . . . . .	15 11	
Clerical Hire . . . . .	156 00	
Telephone . . . . .	15 00	
All other . . . . .	64 64	
	<hr/>	
		3,719 27
<b>City Messenger's Department</b>		
Salaries and Wages:—		
Messenger . . . . .	2,200 00	
	<hr/>	
Carried forward . . . . .	2,200 00	

	Expenses	Outlays
Brought forward . . . . .	2,200 00	
Other Expenses:—		
Stationery and postage . . . . .	10 25	
Auto Maintenance . . . . .	694 43	
Telephone . . . . .	22 56	
Carfares . . . . .	18 35	
	<hr/>	
		2,945 59
<b>Engineering Department</b>		
Salaries and Wages: —		
City Engineer . . . . .	4,000 00	
Assistants . . . . .	6,183 39	
Clerks . . . . .	1,057 61	
Other Expenses:—		
Supplies, printing, postage . . . . .	184 52	
Telephone . . . . .	105 58	
Auto maintenance . . . . .	972 40	
Instruments and equipment . . . . .	204 99	
Carfares . . . . .	162 15	
All other . . . . .	37 81	
	<hr/>	
		12,908 45
<b>Public Buildings Department, Commissioner of Public Buildings</b>		
Salaries and Wages:—		
Commissioner . . . . .	3,100 00	
Inspector of Plumbing . . . . .	1,900 00	
Clerks . . . . .	1,844 33	
Other Expenses:—		
Books, postage and supplies . . . . .	255 39	
Printing and advertising . . . . .	239 50	
Telephone . . . . .	183 09	
Auto Maintenance . . . . .	572 92	
All other . . . . .	81 45	
Special Item:—		
Typewriter . . . . .	81 25	
	<hr/>	
		8,257 93
<b>Public Buildings Department, Maintenance Municipal Buildings</b>		
Salaries and Wages:—		
Janitor . . . . .	4,829 35	
Labor . . . . .	1,666 83	
Other Expenses:		
Fuel and light . . . . .	2,316 65	
Furniture and furnishings . . . . .	1,925 84	
Janitor supplies . . . . .	279 83	
Repairs to buildings . . . . .	378 01	
	<hr/>	
Carried forward . . . . .	11,396 51	

	Expenses	Outlays
Brought forward . . . . .	11,396 51	
Heating apparatus and equipment . . . . .	125 34	
Plumbing and supplies . . . . .	219 96	
Hardware and materials . . . . .	186 43	
Ice . . . . .	213 65	
All other . . . . .	245 00	
Special Items:—		
Moving Safes . . . . .	644 00	
Rent Safes . . . . .	105 00	
Draping City Hall . . . . .	25 00	
	<hr/>	
		13,160 89
<b>City Hall Additions</b>		
Architects Fees . . . . .	11,719 30	
Electrical Contract . . . . .	2,533 00	
Heating and Ventilating . . . . .	4,909 40	
Construction Contract . . . . .	135,255 40	
Plumbing Contract . . . . .	4,840 75	
Miscellaneous Labor . . . . .	51 65	
Insurance . . . . .	3,286 11	
All other . . . . .	443 64	
	<hr/>	
		163,039 25
<b>City Planning Board</b>		
Clerical Work . . . . .	10 00	
Expenses to Convention . . . . .	65 00	
City Survey and Report . . . . .	3,500 00	
Building Code . . . . .	350 00	
	<hr/>	
		3,925 00
<b>Election Expenses, City Clerk</b>		
Salaries and Wages:—		
Clerks . . . . .	600 00	
Other Expenses:—		
Equipment, supplies, sta- tionery and postage . . . . .	375 78	
Printing and advertising . . . . .	387 65	
Carfares and auto hire . . . . .	180 00	
Refreshments . . . . .	9 55	
Repairs ballot boxes . . . . .	15 00	
All other . . . . .	30 80	
Special Item:		
Ballot Boxes . . . . .	280 00	
	<hr/>	
		1,878 78
<b>Election Expenses, Registrars of Voters</b>		
Salaries and Wages:—		
Registrars . . . . .	1,200 00	
Clerks . . . . .	1,835 50	
	<hr/>	
Carried forward . . . . .	3,035 50	

	Expenses	Outlays
Brought forward . . . . .	3,035 50	
Other Expenses:—		
Stationery and postage and supplies . . . . .	180 18	
Printing and advertising . . . . .	1,160 60	
Refreshments . . . . .	18 00	
Car hire . . . . .	30 00	
All other . . . . .	26 05	
	<hr/>	
		4,450 33
<b>Election Expenses, Pay of Election Officers</b>		
Salaries and Wages:—		
Wardens . . . . .	552 00	
Inspectors . . . . .	1,960 00	
Clerks . . . . .	552 00	
	<hr/>	
		3,064 00
<b>Public Buildings Department, Maintenance Polling Places</b>		
Labor . . . . .	175 50	
Teaming . . . . .	111 00	
Lumber . . . . .	39 11	
Hardware and materials . . . . .	89	
Fuel and light . . . . .	12 95	
Rent Halls . . . . .	70 00	
	<hr/>	
		409 45
<b>Police Department</b>		
Salaries and Wages:—		
Chief . . . . .	3,000 00	
Captains and Lieutenants . . . . .	12,298 67	
Sergeants and Inspectors . . . . .	12,299 76	
Patrolmen . . . . .	155,380 88	
Special police . . . . .	1,937 40	
Matrons . . . . .	977 60	
Other employees . . . . .	5,610 00	
Equipment and Repairs:		
Motor cycle and auto maintenance . . . . .	1,604 06	
New equipment . . . . .	152 00	
Equipment for men . . . . .	339 49	
All other . . . . .	25 53	
Other Expenses:— &		
Books, printing, post- age and supplies . . . . .	363 92	
Care of prisoners . . . . .	225 99	
Telephone . . . . .	421 28	
Laundry . . . . .	49 77	
Travel and disbursements Reimbursements for in- juries, etc. . . . .	371 14	
	<hr/>	
Carried forward . . . . .		195,368 99



	Expenses	Outlays
Brought forward . . . . .	195,368 99	
Convention expenses . . . . .	65 00	
All other . . . . .	20 93	
Special Item:—		
Secret Service . . . . .	1,308 65	
	<hr/>	
		196,763 57
<b>Public Buildings Department, Maintenance</b>		
<b>Police Buildings</b>		
Salaries and Wages:—		
Janitors . . . . .	1,958 93	
Labor . . . . .	247 38	
Maintenance of Buildings:—		
Fuel and light . . . . .	2,539 55	
Janitors' supplies . . . . .	91 80	
Furniture and furnish-		
ings . . . . .	102 38	
Repairs to buildings . . . . .	73 93	
Heating apparatus and		
equipment . . . . .	157 69	
Plumbing and supplies . . . . .	53 18	
Hardware and materials . . . . .	50 66	
Ice . . . . .	31 20	
All other . . . . .	63 98	
Special Item:—		
Insurance . . . . .	237 37	
	<hr/>	
		5,608 05
<b>Fire Department</b>		
Salaries and Wages:—		
Chief Engineer . . . . .	3,000 00	
Assistant Engineers . . . . .	2,500 00	
Firemen . . . . .	213,127 99	
Horses and care of same:—		
Hay, grain and straw . . . . .	782 56	
Shoeing . . . . .	451 25	
Medicine and veterinary		
Harnesses, clothing and	6 35	
horses . . . . .	3 40	
Equipment and Repairs:—		
Apparatus and equipment . . . . .	2,096 59	
Hose . . . . .	2,262 64	
Equipment for men . . . . .	128 69	
Power . . . . .	8 32	
Hardware, tools, etc. . . . .	344 63	
All other . . . . .	56 01	
Other Expenses:—		
Books, printing, postage		
and supplies . . . . .	113 23	
Telephone . . . . .	625 60	
	<hr/>	
Carried forward . . . . .	225,507 26	

	Expenses	Outlays
Brought forward . . . . .	225,507 26	
Janitors' supplies . . . . .	525 02	
Furnishings . . . . .	378 49	
Laundry work . . . . .	483 37	
Ice . . . . .	102 47	
Reimbursements . . . . .	158 06	
All other . . . . .	33 19	
Supplies:—		
Grease and oil . . . . .	230 96	
Gasoline . . . . .	1,256 98	
Soda and acid . . . . .	330 71	
All other . . . . .	2 98	
Special Items:—		
Convention Expenses . . . . .	120 85	
Auto for District Chief . . . . .	1,306 00	
	<hr/>	
	230,436 34	
Less Service Transfers Account. Sale of Horses . . . . .	675 00	
	<hr/>	
		229,761 34
Fire Department, Additional Apparatus:—		
Apparatus . . . . .	30,781 25	
	<hr/>	
		30,781 25
<b>Public Buildings Department, Maintenance</b>		
<b>Fire Buildings</b>		
Salaries and Wages:—		
Labor . . . . .	1,335 64	
Other Expenses:—		
Fuel and light . . . . .	7,317 06	
Furniture and furnishings . . . . .	817 14	
Janitors' supplies . . . . .	27 44	
Repairs to buildings . . . . .	175 53	
Heating apparatus and other equipment . . . . .	615 24	
Plumbing supplies . . . . .	273 03	
Hardware and materials . . . . .	369 42	
All other . . . . .	26 63	
Special Item:—		
Insurance . . . . .	353 54	
	<hr/>	
		11,310 67
<b>Weights and Measures</b>		
Salaries and Wages:—		
Sealer . . . . .	1,900 00	
Assistant . . . . .	484 00	
Miscellaneous Labor . . . . .	21 00	
	<hr/>	
Carried forward . . . . .	2,405 00	

		Expenses	Outlays
Brought forward . . . . .	2,405 00		
Other Expenses:—			
Printing and advertising . . . . .	54 50		
Equipment and supplies . . . . .	87 88		
Telephone . . . . .	37 59		
Auto maintenance . . . . .	216 13		
All other . . . . .	1 00		
	<hr/>	2,802 10	

**Electrical Department****Salaries and Wages:—**

Commissioner . . . . .	2,600 00
Clerk . . . . .	1,043 33
Labor . . . . .	12,328 50

**Other Expenses:—**

Fire Alarm System . . . . .	585 83
Police Signal System . . . . .	180 63
Auto maintenance . . . . .	627 66
Telephone . . . . .	81 06
Books, printing, postage and supplies . . . . .	318 74
All other . . . . .	94 47

**Special Item:—**

Typewriter . . . . .	71 75
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17,931 97

**Public Buildings Department, Maintenance  
Electrical Dept. Buildings**

Janitor . . . . .	914 60
Fuel . . . . .	736 13
Light . . . . .	49 26
Furniture and furnishings . . . . .	102 23
Janitors supplies . . . . .	2 00
All other . . . . .	68 34

1,872 56

**Underground Construction**

Cable and Wires . . . . .	557 33
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565 18

**Highways, Suppression of Moths**

Labor . . . . .	3,223 52
Books, printing, postage . . . . .	11 75
Hired teams and trucks . . . . .	242 89
Hardware, tools and equip- ment . . . . .	68 95
Insecticides . . . . .	376 88
Other materials and sup- plies . . . . .	66 03

3,990 02

	Expenses	Outlays
<b>Highway Department, Care of Trees</b>		
Labor . . . . .	4,212 03	
Teams and trucks . . . . .	646 62	
Equipment and tools . . . . .	103 55	
Lumber and materials . . . . .	243 79	
Use of steam roller . . . . .	112 00	
All other . . . . .	25 50	
	5,343 49	

### HEALTH AND SANITATION

	Expenses	Outlays
<b>Health Department</b>		
<b>General Administration:—</b>		
Agent . . . . .	1,600 00	
Clerks . . . . .	2,891 16	
Medical Inspector and Bacteriologist . . . . .	2,560 00	
Health Nurses . . . . .	3,450 00	
Books, printing and post- age . . . . .	387 43	
Carfares, etc. . . . .	288 44	
Telephone . . . . .	322 02	
All other . . . . .	57 88	
<b>Quarantine and Contagious Diseases:—</b>		
Cities and Towns . . . . .	2,210 55	
State . . . . .	399 99	
Other Institutions . . . . .	615 40	
Groceries and Provisions . . . . .	61 12	
<b>Tuberculosis:—</b>		
<b>Board and Treatment:</b>		
Cities and towns . . . . .	2,187 00	
State . . . . .	2,886 55	
Other Institutions . . . . .	316 28	
Groceries and provisions . . . . .	791 61	
All other . . . . .	2 00	
<b>Other Expenses:—</b>		
Equipment and supplies . . . . .	144 60	
Auto ambulance main- tenance . . . . .	527 73	
Burying dead animals . . . . .	110 25	
All other . . . . .	28 29	
Ice . . . . .	75 63	
	21,913 93	
<b>City Clerk's Department, Vital Statistics</b>		
<b>Canvassing and reporting</b>		
births . . . . .	755 05	
Reporting deaths . . . . .	94 00	
	849 05	
Carried forward . . . . .	849 05	

Expenses

Outlays

Brought forward . . . . .	849 05
Printing and advertising . . . . .	70 00
Postage and supplies . . . . .	31 92
Special Item:—	
Typewriting . . . . .	51 20

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 1,002 17
**Contagious Hospital**

## Salaries and Wages:—

Matron . . . . .	1,200 00
Medical attendance . . . . .	80 00
Nurses and other help . . . . .	8,438 54

## Other Expenses:—

Drugs and medicines . . . . .	209 00
Bedding, dry goods and clothing . . . . .	168 36
Groceries and provisions . . . . .	5,411 33
Equipment and supplies . . . . .	1,286 20
Telephone . . . . .	78 87
Electric power . . . . .	118 92
All other . . . . .	48 78

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 17,040 00
**Public Buildings Department, Maintenance  
Contagious Hospital**

## Salaries and Wages:—

Janitor and labor . . . . .	557 10
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## Other Expenses:—

Fuel . . . . .	1,354 76
Light . . . . .	439 20
Furniture and furnishings . . . . .	242 25
Repairs to buildings . . . . .	97 43
Heating apparatus and equipment . . . . .	291 75
Plumbing and supplies . . . . .	137 19
Hardware and materials . . . . .	73 88
All other . . . . .	20 69

## Special Item:—

Painting . . . . .	795 00
Insurance . . . . .	129 34

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 4,138 59
**Inspection of Animals and Provisions**

## Salaries and Wages:—

Inspector . . . . .	2,100 00
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## Other Expenses:—

Telephone . . . . .	30 36
Auto maintenance . . . . .	150 00

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 2,280 36

	Expenses	Outlays
<b>Inspection of Milk and Vinegar</b>		
Salaries and Wages:—		
Inspector . . . . .	2,500 00	
Milk Collector . . . . .	1,600 00	
Other Expenses:		
Books, printing and post- age . . . . .	51 25	
Auto maintenance . . . . .	600 00	
Equipment and supplies . . . . .	196 93	
Telephone . . . . .	17 68	
Travel . . . . .	43 72	
All other . . . . .	9 18	
	5,018 76	
<b>Inspection of School Children</b>		
Salaries and Wages:—		
Inspectors . . . . .	1,600 00	
Other Expenses:—		
Books, printing, postage and supplies . . . . .	37 01	
Carfares . . . . .	102 05	
All other . . . . .	8 00	
	1,747 06	
<b>School Nurses' Salaries</b>		
Salaries and Wages:—		
Nurses . . . . .	2,225 00	
	2,225 00	
<b>Sewers Construction</b>		
Salaries and Wages:—		
Labor . . . . .	2,047 30	
Other Expenses:—		
Teaming . . . . .	421 96	
Pipe and fittings . . . . .	646 16	
Brick and cement . . . . .	746 39	
Sand . . . . .	19 00	
Other materials . . . . .	32 03	
Castings . . . . .	791 27	
Contract work . . . . .	236 79	
All other . . . . .	413 63	
	5,354 53	
<b>Engineering Department, Sewers Maintenance</b>		
Salaries and Wages:—		
Inspector . . . . .	937 34	
Labor . . . . .	10,980 37	
Other Expenses:—		
Teaming . . . . .	9,737 22	
Tools and equipment . . . . .	511 14	
	22,166 07	
Carried forward . . . . .	22,166 07	



		Expenses	Outlays
Brought forward . . . .	22,166 07		
Pipe and Fittings . . . .	155 00		
Castings . . . . .	88 75		
Cleaning Catch Basins . .	122 50		
Other materials and supplies . . . . .	288 64		
Care of Medford Street Pump . . . . .	170 89		
Telephone . . . . .	69 76		
Power . . . . .	5 43		
All other . . . . .	75		
	<hr/>	23,067 79	

**Public Buildings Department, Maintenance  
Sewer Buildings**

Salaries and Wages:—

Labor . . . . . 58 40

Other Expenses:—

Fuel . . . . . 79 70  
 Light . . . . . 77 83  
 Lumber and materials . . . . . 22 08  
 Plumbing . . . . . 3 87

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241 88

**Sanitary Department**

General Administration:—

Superintendent . . . . . 2,300 00  
 Bookkeeper . . . . . 300 00  
 Printing and stationery . . . . . 81 18  
 Telephone . . . . . 72 68  
 Auto Maintenance . . . . . 709 73

Special Item:—

Typewriter . . . . . 50 62

Ashes, Rubbish and Garbage:—

Labor . . . . . 66,762 31  
 Hired teams and trucks . . . . . 71,706 24  
 Equipment and repairs . . . . . 244 45  
 Rent of dump . . . . . 1,565 00  
 Materials and supplies . . . . . 103 48  
 Contract Work . . . . . 33,150 00

Stable Expenses:—

Shoeing . . . . . 207 87  
 Veterinary and medicine . . . . . 129 00  
 Stable equipment . . . . . 50 84  
 Board of horses . . . . . 1,363 50  
 Horses . . . . . 75 00  
 All other . . . . . 1 25

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178,873 15

	Expenses	Outlays
<b>Public Buildings Department, Maintenance</b>		
<b>Sanitary Buildings</b>		
Labor . . . . .	39 38	
Fuel . . . . .	88 77	
Light . . . . .	158 71	
Lumber and Materials . . . . .	14 97	
Plumbing supplies . . . . .	14 20	
Repairs to buildings . . . . .	3 00	
All other . . . . .	6 01	
Special Item:—		
Roofing . . . . .	368 00	
	<hr/>	
		693 04
 <b>Highways, Street Cleaning</b>		
Labor . . . . .	17,687 19	
Hired Teams and Trucks . . . . .	3,290 97	
Equipment . . . . .	45 51	
Sweeper Maintenance . . . . .	1,053 48	
Supplies . . . . .	68 96	
Special Item:—		
Auto Sweeper . . . . .	6,850 00	
	<hr/>	
		28,996 11
 <b>Highway Maintenance</b>		
<b>General Administration:—</b>		
Superintendent . . . . .	3,100 00	
Bookkeeper and Clerk . . . . .	2,791 17	
Books, printing, postage and supplies . . . . .	124 02	
Telephone . . . . .	236 62	
Maintenance, Superin- tendent's Auto . . . . .	463 35	
All other . . . . .	39 60	
<b>General:—</b>		
Labor . . . . .	52,384 61	
Trucks . . . . .	288 00	
Tools, equipment and repairs . . . . .	471 19	
Autos and supplies . . . . .	3,149 64	
Broken stone, gravel, etc. Edgestones, bricks and cement . . . . .	3,699 84	
Lumber . . . . .	814 82	
Tarvia and road oil . . . . .	275 77	
Fuel . . . . .	4,517 20	
Oil and waste . . . . .	341 69	
Steam rollers . . . . .	650 56	
Hardware, paint and var- nish . . . . .	138 17	
Other materials and sup- plies . . . . .	759 86	
Horses . . . . .	270 68	
	<hr/>	
Carried forward . . . . .	800 00	
		75,316 79

	Expenses	Outlays
Brought forward . . . . .	75,316 79	
Hay, grain and straw . . . . .	7,530 48	
Shoeing . . . . .	154 39	
Veterinary and medicine . . . . .	200 92	
Harnesses and horse clothing . . . . .	218 41	
All other . . . . .	189 37	
Other Expenses:—		
Signs . . . . .	186 96	
Special Item:—		
Taxes, City of Waltham . . . . .	296 40	
Tractor and wheels . . . . .	1,216 00	
Fords . . . . .	1,019 46	
Typewriter . . . . .	78 75	
Plows . . . . .	372 40	
Repairs—Boston Elevated Co. . . . .	96 92	
	<hr/>	
	86,877 25	
Less service transfers for teaming, and use of rollers and horses . . . . .	13,707 27	
	<hr/>	
		73,169 98
<b>Highways Construction, New Streets</b>		
Contracts . . . . .	25,334 23	
Tarvia . . . . .	3,842 43	
Advertising, Recording, etc. . . . .	57 60	
Edgestones and circles . . . . .	7,395 23	
Settlement of Claims . . . . .	200 00	
	<hr/>	
		36,829 49
<b>Highways Construction, Permanent Pavement</b>		
Labor . . . . .	1,645 12	
Contracts . . . . .	46,746 94	
Crushed stone, brick and cement . . . . .	431 41	
Other materials . . . . .	246 72	
Hired teams and trucks . . . . .	230 77	
Use of mixer and roller . . . . .	136 50	
Equipment . . . . .	38 19	
All other . . . . .	13 00	
Special Item:—		
Paving—B. E. R. Co. . . . .	4,048 08	
	<hr/>	
		53,536 73
<b>Highway Reconstruction and Resurfacing</b>		
Labor . . . . .	4,015 02	
Hired teams and trucks . . . . .	532 70	
Use of roller . . . . .	478 00	
Tools and equipment . . . . .	377 34	
	<hr/>	
Carried forward . . . . .	5,403 06	

	Expenses	Outlays
Brought forward . . . . .	5,403 06	
Road Binders . . . . .	6,692 37	
Brick, stone and cement . . . . .	5,803 45	
Other materials . . . . .	4 20	
Contracts . . . . .	16,314 78	
All other . . . . .	1 80	
	<hr/>	34,219 66

**Sidewalks Construction**

Labor . . . . .	8,046 86	
Hired teams and trucks . . . . .	1,089 12	
Stone, brick and cement . . . . .	2,262 39	
Edgestone . . . . .	347 48	
Mixer . . . . .	256 89	
Other materials . . . . .	1,023 11	
Equipment . . . . .	258 61	
	<hr/>	13,284 46

**Sidewalks Maintenance**

Labor . . . . .	6,029 72	
Hired teams and trucks . . . . .	960 27	
Use of mixer . . . . .	10 50	
Stone, brick and cement . . . . .	1,247 30	
Other materials and supplies . . . . .	298 69	
	<hr/>	8,546 48

**Street Sprinkling**

Labor . . . . .	4,485 85	
Hired teams and trucks . . . . .	2,987 85	
Equipment and repairs . . . . .	518 18	
Oil and other dust layers . . . . .	14,180 64	
Maintenance water post and hydrants . . . . .	333 16	
Use car sprinkler . . . . .	6,290 00	
Gravel . . . . .	5,493 60	
Hardware and materials . . . . .	16 80	
All other . . . . .	93 02	

**Special Item:—**

Auto Oiler . . . . .	9,250 00	
	<hr/>	43,649 10

**Street Lighting****Contract:—**

Electricity . . . . .	74,329 30	
Spot Lights . . . . .	53 83	
Memorial Tablets . . . . .	72 37	
All other . . . . .	40 77	
	<hr/>	74,496 27

	Expenses	Outlays
<b>Public Buildings Department, Maintenance</b>		
<b>Highway Buildings</b>		
Labor . . . . .	486 44	
Fuel . . . . .	651 03	
Light . . . . .	208 94	
Hardware and materials .	36 18	
Lumber . . . . .	335 01	
Plumbing supplies . . .	100 24	
Furniture and furnishings	17 00	
Repairs to buildings . .	216 88	
Heating apparatus and equipment . . . . .	37 27	
All other . . . . .	71 44	
<b>Special Items:—</b>		
Roofing . . . . .	315 00	
Fence . . . . .	301 00	
	<hr/>	2,776 43
<b>Poor Department, Miscellaneous</b>		
<b>General Administration:—</b>		
Agent . . . . .	2,200 00	
Clerks . . . . .	2,195 65	
Books, printing, postage and supplies . . . . .	222 37	
Telephone . . . . .	111 03	
Conference Expenses . .	111 95	
All other . . . . .	11 00	
<b>Outside Relief:—</b>		
City Physician . . . . .	2,200 00	
Acting City Physician .	84 36	
Auto Maintenance . . .	150 00	
Board and care . . . . .	1,524 40	
Cash . . . . .	20,305 61	
Cash Allowance . . . . .	639 40	
Groceries and provisions	1,965 75	
Coal and wood . . . . .	4 25	
Medicine and medical at- tendance . . . . .	206 31	
Nursing . . . . .	48 50	
State Institutions . . .	4,407 52	
Other Institutions . . .	559 21	
Contagious Hospital . .	9 00	
Somerville Hospital . .	7,441 25	
All other . . . . .	1 50	
Burials . . . . .	112 00	
<b>Relief by other Cities and Towns:—</b>		
Towns . . . . .	45 50	
Cities . . . . .	3,704 32	
	<hr/>	
Carried forward . . . .	48,260 88	

		Expenses	Outlays
Brought forward . . . . .	48,260 88		
Mothers' Aid:—			
By city . . . . .	36,082 00		
Other cities and towns . . . . .	4,145 79		
Taxi and Ambulance hire . . . . .	41 00		
	<hr/>	88,529 67	

#### Poor Department, City Home

Salaries and Wages:—	
Warden and Matron . . . . .	2,100 00
Bookkeeper . . . . .	125 00
Domestic labor . . . . .	2,621 80
Farm labor . . . . .	2,743 18

#### Other Expenses:—

Auto maintenance . . . . .	79 31
Groceries and provisions . . . . .	3,396 07
Clothing . . . . .	276 47
Medicine and hospital goods . . . . .	93 50
Household furnishing and supplies . . . . .	427 97
Farm equipment and supplies . . . . .	503 92
Live stock and care . . . . .	122 21
Hay, grain and feed . . . . .	976 37
Horse shoeing . . . . .	36 00
Harnesses and horse clothing . . . . .	6 50
Seeds and fertilizer . . . . .	124 77
Books, printing, stationery, postage . . . . .	35 45
Telephone . . . . .	62 59
Power . . . . .	50 84
Ice . . . . .	106 32
Disinfectant and sprayer . . . . .	23 50
All other . . . . .	153 94

#### Special Items:—

Cash Register . . . . .	95 00
Ford Truck . . . . .	597 40
	<hr/>

14,758 11

#### Public Buildings Department, City Home Buildings

Labor . . . . .	763 52
Fuel . . . . .	1,392 52
Light . . . . .	760 35
Furniture and furnishings . . . . .	83 37
Repairs to buildings . . . . .	333 89
Plumbing and supplies . . . . .	104 86
Heating apparatus equipment and repairs . . . . .	149 37
	<hr/>
Carried forward . . . . .	3,587 88



		Expenses	Outlays
Brought forward . . . . .	3,587 88		
Hardware and materials . . . . .	510 95		
All other . . . . .	112 64		
Special Item:—			
Painting . . . . .	1,025 00		
	<u>          </u>	5,236 47	

### SOLDIERS' BENEFITS

#### Soldiers' Benefits, General Administration

##### Salaries and Wages:—

Agent . . . . .	300 00	
Clerk . . . . .	991 17	
Other Expenses . . . . .	28 59	
	<u>          </u>	1,319 76

##### Soldiers' Relief

Cash as per pay rolls . . . . .	22,446 90	
Medicine and Medical At- tendance . . . . .	109 65	
	<u>          </u>	22,556 55

##### Military Aid

Cash as per payrolls . . . . .	2,905 00	
	<u>          </u>	2,905 00

##### State Aid

Cash as per pay rolls . . . . .	7,297 00	
	<u>          </u>	7,297 00

##### Soldiers' Burials

Burials . . . . .	758 82	
	<u>          </u>	758 82

### EDUCATION

#### School Contingent

##### Salaries and Wages:—

Superintendent . . . . .	5,000 00
Clerks . . . . .	7,198 83
Truant Officers . . . . .	1,800 00
Other employees . . . . .	361 16

##### General Expenses:—

Stationery, postage and office supplies . . . . .	600 92
Telephones . . . . .	1,187 62
Automobile maintenance	474 37
Travel . . . . .	152 99
All other . . . . .	144 08
	<u>          </u>

Carried forward . . . . .	16,919 97
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		Expenses	Outlays
Brought forward . . . . .	16,919 97		
<b>Textbooks and Supplies:—</b>			
Text and reference books and Music . . . . .	13,406 38		
Maps . . . . .	62 69		
Stationery and supplies	12,936 44		
Equipment and repairs .	1,056 83		
Manual Training Sup- plies . . . . .	4,550 57		
<b>Other Expenses:—</b>			
Support of Truants . . . . .	1,006 56		
Diplomas and graduation	933 18		
Printing and advertising	1,513 42		
Catering . . . . .	25 00		
Power . . . . .	766 15		
Binding . . . . .	1,098 08		
Disbursements . . . . .	703 78		
<b>Special Items:—</b>			
Musical Instruments . . . . .	289 00		
Typewriters . . . . .	3,150 50		
		58,418 55	
<b>School Department, outside Tuition</b>			
<b>Tuition:—</b>			
City of Boston . . . . .	5,906 06		
Other cities . . . . .	1,684 58		
		7,590 64	
<b>School Teachers' Salaries</b>			
Day Schools . . . . .	731,337 52		
Evening Schools . . . . .	9,629 85		
		740,967 37	
<b>Public Buildings Department, Maintenance</b>			
<b>School Buildings, Janitors' Salaries</b>			
Janitors' Salaries . . . . .	58,294 08		
		58,294 08	
<b>Maintenance School Buildings, Fuel and Light</b>			
Fuel . . . . .	51,640 68		
Light . . . . .	9,904 36		
		61,545 04	
<b>Public Buildings Department, Maintenance</b>			
<b>School Buildings, Buildings and Grounds</b>			
Labor . . . . .	8,684 81		
Furniture and furnishings	6,537 59		
Janitors' Supplies . . . . .	1,611 44		
Carried forward . . . . .	16,833 84		

		Expenses	Outlays
Brought forward . . . . .	16,833	84	
Laundry . . . . .	47	51	
Repairs to buildings . . . . .	11,544	14	
Heating apparatus and equipment . . . . .	7,136	22	
Plumbing . . . . .	2,915	37	
Glass, hardware and paint	2,828	79	
Lumber . . . . .	817	17	
Other materials and sup- plies . . . . .	2,319	51	
Care of Grounds . . . . .	669	36	
Flags and Flag poles . . . . .	217	34	
Auto maintenance . . . . .	231	43	
Power . . . . .	277	56	
Teaming . . . . .	1,363	57	
All other . . . . .	170	44	
Special Items:—			
Resurfacing Schoolyards . . . . .	400	00	
Clock system South Ju- nior High . . . . .	2,088	64	
Lockers . . . . .	2,784	00	
Roof repairs . . . . .	970	00	
Insurance . . . . .	2,360	95	
Woodwork So. Jr. High . . . . .	247	43	
Painting Contracts . . . . .	6,635	70	
			62,858 97

**Addition—Western Junior High School**

Construction Contract . . . . .	27,591	00
Heating Contract . . . . .	5,138	95
Electrical Contract . . . . .	1,996	01
Plumbing Contract . . . . .	2,620	00
Architects Fees . . . . .	1,165	02
Hardware . . . . .	1	50
Furniture and furnishings	6,108	39
Plumbing and Supplies . . . . .	266	93

**Special Items:—**

Z. E. Cliff Tablet . . . . .	72	85
Granolithic Walks . . . . .	328	66
Freight . . . . .	13	40

45,302 71

**Addition Southern Junior High School**

Construction Contract . . . . .	33,262	69
Electrical Contract . . . . .	625	00
Furniture and furnishings	4,090	28
Architect Fees . . . . .	840	22
Labor . . . . .	31	67
All other . . . . .	10	00

**Special Item:—**

Installing Phones . . . . .	108	66
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38,968 52

	Expenses	Outlays
<b>Northern-Eastern Junior High School</b>		
Construction Contract . . . . .	280,866 03	
Heating Contract . . . . .	54,498 30	
Electrical Contract . . . . .	7,752 00	
Plumbing Contract . . . . .	11,782 70	
Hardware Contract . . . . .	4,828 50	
Architects Fees . . . . .	10,172 52	
Clerical hire . . . . .	850 00	
All other . . . . .	132 30	
Furniture and furnishings	5,409 00	
Grading . . . . .	2,444 32	
Labor . . . . .	61 30	
Trucking . . . . .	85 00	
Equipment . . . . .	202 00	
Installing Water Service .	173 23	
Driveways . . . . .	4,291 83	
	<hr/>	383,549 03
 <b>Additional Land—Southern Junior High</b>		
Taking of Land and		
Buildings . . . . .	10,500 00	
	<hr/>	10,500 00

#### SCHOOL TRUST FUNDS

<b>S. Newton Cutler Fund</b>		
Books . . . . .	42 90	
	<hr/>	42 90
 <b>Smith-Hughes Fund</b>		
School Teachers' Salaries	4,105 35	
	<hr/>	4,105 35
 <b>Caroline G. Baker Fund</b>		
Christmas celebrations .	9 32	
	<hr/>	9 32

#### LIBRARIES

<b>Central Library</b>		
Salaries and Wages:—		
Librarian . . . . .	3,000 00	
Assistants . . . . .	16,627 78	
 Other Expenses:—		
Books . . . . .	6,443 33	
Periodicals . . . . .	697 49	
Music . . . . .	100 47	
Binding . . . . .	1,859 49	
Postage and office sup- plies . . . . .	1,008 66	
Printing and advertising	867 00	
	<hr/>	
Carried forward . . . . .	30,604 22	

		Expenses	Outlays
Brought forward . . . . .	30,604 22		
Telephone . . . . .	128 68		
Express . . . . .	153 09		
Convention Expenses . . . . .	39 38		
All other . . . . .	71 50		
Special Item:—			
Typewriter . . . . .	99 00		
	<hr/>	31,095 87	

**Public Building Department, Maintenance  
Central Library**

Janitors . . . . .	3,048 80		
Labor . . . . .	91 67		
Fuel . . . . .	835 86		
Light . . . . .	1,280 01		
Furniture and furnishings	109 63		
Janitors' Supplies . . . . .	106 40		
Repairs to buildings . . . . .	347 09		
Plumbing . . . . .	8 27		
Hardware and materials . . . . .	96 19		
All other . . . . .	131 51		
Special Item:—			
Shelves . . . . .	902 00		
	<hr/>	6,957 43	

**West Somerville Branch Library**

Salaries and Wages:—			
Assistants . . . . .	5,622 17		
Other Expenses:—			
Books . . . . .	1,494 74		
Periodicals . . . . .	342 95		
Music . . . . .	45 35		
Binding . . . . .	523 95		
Postage and office sup- plies . . . . .	151 73		
Printing and advertising	41 15		
Telephone . . . . .	34 81		
Express . . . . .	205 75		
All other . . . . .	8 18		
	<hr/>	8,470 78	

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

Janitor . . . . .	1,370 49		
Labor . . . . .	15 38		
Fuel . . . . .	584 34		
Light . . . . .	409 65		
Repairs to buildings and plumbing . . . . .	25 88		
Furniture and furnishings	21 15		
Hardware and materials . . . . .	5 39		
All other . . . . .	143 41		
	<hr/>	2,575 69	

	Expenses	Outlays
<b>East Somerville Branch Library</b>		
Salaries and Wages:—		
Assistants . . . . .	3,256 86	
Other Expenses:—		
Books . . . . .	1,182 41	
Periodicals . . . . .	139 20	
Music . . . . .	34 92	
Binding . . . . .	432 40	
Postage and office supplies . . . . .	105 87	
Printing and advertising . . . . .	48 00	
Telephone . . . . .	34 59	
Express . . . . .	205 58	
All other . . . . .	9 26	
	<hr/>	
		5,449 09
 <b>Public Buildings Department, Maintenance</b>		
<b>    East Somerville Branch Library</b>		
Janitor . . . . .	1,115 00	
Labor . . . . .	35 75	
Fuel . . . . .	236 31	
Light . . . . .	193 82	
Furniture and furnishings . . . . .	84 68	
Heating apparatus and equipment . . . . .	5 00	
Repairs to buildings and plumbing . . . . .	45	
All other . . . . .	73 97	
	<hr/>	
		1,744 98
 <b>Union Square Branch Library</b>		
Salaries and Wages:—		
Assistants . . . . .	3,964 50	
Other Expenses:—		
Books . . . . .	1,343 00	
Periodicals . . . . .	140 83	
Binding . . . . .	318 14	
Postage and office supplies . . . . .	109 87	
Printing and advertising . . . . .	37 00	
Telephone . . . . .	41 62	
Express . . . . .	205 44	
All other . . . . .	40 00	
	<hr/>	
		6,200 40
 <b>Public Buildings Department, Maintenance</b>		
<b>    Union Square Branch Library</b>		
Janitor . . . . .	1,116 00	
Labor . . . . .	65 92	
Fuel . . . . .	561 08	
Light . . . . .	254 98	
	<hr/>	
Carried forward . . . . .	1,997 98	



		Expenses	Outlays
Brought forward . . . . .	1,997 98		
Furniture and furnishings	443 00		
Heating apparatus and equipment . . . . .	11 85		
Plumbing and repairs to buildings . . . . .	47 23		
Hardware and materials . . . . .	60 57		
All other . . . . .	21 75		
	<hr/>	2,582 38	

## PUBLIC LIBRARY TRUST FUNDS

## S. Newton Cutler Fund

Books . . . . .	43 16		
	<hr/>	43 16	

## Martha R. Hunt Art Fund

Books and pictures . . . . .	29 50		
	<hr/>	29 50	

## Martha R. Hunt Book Fund

Books . . . . .	484 95		
	<hr/>	484 95	

## Isaac Pitman Art Fund

Books . . . . .	45 00		
Pictures . . . . .	81 25		
	<hr/>	126 25	

## Isaac Pitman Poetry Fund

Books . . . . .	38 72		
	<hr/>	38 72	

## Hunt Fund for Expenses

Books . . . . .	145 00		
	<hr/>	145 00	

## Engineering Department, Parks Maintenance

Labor . . . . .	8,243 62		
Teaming . . . . .	763 65		
Tools and equipment . . . . .	177 24		
Materials and supplies . . . . .	331 99		
Trees, shrubs and plants . . . . .	633 26		
Repairs . . . . .	513 41		
Flags and flag poles . . . . .	152 28		
Care of bubblers and foun- tains . . . . .	104 29		
All other . . . . .	1 00		

## Special Item:—

Fences . . . . .	265 02		
	<hr/>		

11,185 76

	Expenses	Outlays
<b>Public Buildings Department, Maintenance</b>		
<b>Park Buildings</b>		
Labor . . . . .	566 23	
Teams . . . . .	4 50	
Fuel . . . . .	351 34	
Light . . . . .	269 59	
Repairs to buildings . . . . .	209 46	
Plumbing . . . . .	225 43	
Hardware and materials . . . . .	144 24	
Laundry and Janitors' supplies . . . . .	155 10	
Heating apparatus and equipment . . . . .	359 61	
All other . . . . .	2 50	
Special Items:—		
Installing boiler . . . . .	297 00	
Storage Tank . . . . .	665 79	
	3,250 79	
<b>Engineering Department, Playgrounds</b>		
<b>Maintenance</b>		
Labor . . . . .	4,701 98	
Teaming . . . . .	424 88	
Sand . . . . .	8 25	
Tools and equipment . . . . .	141 74	
Materials and supplies . . . . .	122 87	
Repairs to fountains, fences, etc. . . . .	279 42	
Repairing seats . . . . .	284 15	
All other . . . . .	37	
Special Items:—		
Trum Memorial . . . . .	97 00	
Track, Dilboy Field . . . . .	48 89	
Fence, Dilboy Field . . . . .	435 58	
	6,545 13	
<b>Public Welfare and Recreation Commission</b>		
<b>Salaries and Wages:—</b>		
Supervisors . . . . .	780 67	
Instructors . . . . .	2,020 50	
Labor . . . . .	108 00	
<b>Other Expenses:—</b>		
Equipment and supplies . . . . .	519 86	
Teaming . . . . .	37 90	
Civic social centre . . . . .	418 03	
All other . . . . .	175 48	
	4,060 44	
<b>Public Buildings Department, Maintenance</b>		
<b>Bathhouse</b>		
<b>Salaries and Wages:—</b>		
Attendants . . . . .	1,111 47	
Labor . . . . .	52 72	
	1,164 19	
Carried forward . . . . .	1,164 19	

	Expenses	Outlays
Brought forward . . . . .	1,164 19	
Other Expenses:—		
Bathing Suits . . . . .	344 29	
Towels . . . . .	39 98	
Repairs to Buildings . . . . .	113 21	
Equipment and supplies . . . . .	132 07	
Sand . . . . .	494 00	
Telephone . . . . .	32 01	
Laundry . . . . .	167 04	
Hardware and materials . . . . .	38 19	
All other . . . . .	22 60	
	<hr/>	
		2,547 58
<b>Celebrations</b>		
Printing and postage . . . . .	81 00	
Music . . . . .	834 90	
Decorating . . . . .	64 50	
Fire Works . . . . .	1,500 00	
Refreshments . . . . .	208 00	
Clerical Work . . . . .	4 50	
Labor . . . . .	14 78	
Trucking . . . . .	3 00	
All other . . . . .	31 62	
	<hr/>	
		2,742 30
<b>Field House—Richard Trum Playground</b>		
General Construction . . . . .	5,172 00	
Heating apparatus and equipment . . . . .	8 70	
Installing power . . . . .	14 64	
All other . . . . .	1 17	
	<hr/>	
		5,196 51
<b>Improvement of Playground, West Somerville Junior High School</b>		
Labor . . . . .	2,504 07	
Teams . . . . .	660 97	
Roller . . . . .	28 00	
Wall . . . . .	800 38	
Fence . . . . .	201 25	
Cutting Sod . . . . .	38 50	
	<hr/>	
		4,233 17
<b>UNCLASSIFIED</b>		
<b>Memorial Day</b>		
Music and Catering . . . . .	305 15	
Flowers and Flags . . . . .	225 25	
All other . . . . .	67 39	
	<hr/>	
		597 79
<b>Public Buildings Department, Maintenance Bandstand</b>		
Labor . . . . .	37 66	
Teaming . . . . .	142 75	
Hardware and Materials . . . . .	29 81	
	<hr/>	
		210 22

		Expenses	Outlays
<b>Rifle Practice Cos. A &amp; B, First Engineers</b>			
Use of Range . . . . .	101 00		
Transportation . . . . .	251 00		
	<u>          </u>	352 00	
<b>Municipal Documents</b>			
Printing . . . . .	2,050 73		
All other . . . . .	10 75		
	<u>          </u>	2,061 48	
<b>Quarters for George Dilboy Post V. F. W.</b>			
Rent . . . . .	600 00		
	<u>          </u>	600 00	
<b>Quarters for American Legion</b>			
Rent . . . . .	635 00		
	<u>          </u>	635 00	
<b>Workmen's Compensation</b>			
Compensation for Injuries . . . . .	3,669 19		
Medical Attendance . . . . .	234 00		
Books, postage, supplies . . . . .	4 50		
	<u>          </u>	3,907 69	
<b>Pensions</b>			
Janitors . . . . .	1,935 82		
Police . . . . .	9,959 84		
Fire . . . . .	6,729 58		
Weights and Measures . . . . .	812 50		
Health . . . . .	750 00		
Poor . . . . .	841 63		
<b>Laborers:</b>			
Highway . . . . .	11,812 50		
Sanitary . . . . .	7,488 94		
Water . . . . .	4,075 41		
	<u>          </u>	44,406 22	
<b>Damage to Persons and Personal Property</b>			
Settlement of Claims . . . . .	7,889 25		
	<u>          </u>	7,889 25	

#### MUNICIPAL INDEBTEDNESS

##### Interest

##### Temporary Loans:—

Anticipation of Revenue . . . . . 41,999 11

##### General Loans:—

Sewer . . . . . 7,091 25  
 Highway . . . . . 9,800 00  
 Municipal . . . . . 315 00  
 City . . . . . 7,302 50

Carried forward . . . . . 66,507 86

		Expenses	Outlays
Brought forward . . . . .	66,507 86		
Bridge . . . . .	927 50		
Metropolitan Park . . . . .	245 00		
Public Buildings . . . . .	8,565 00		
School House . . . . .	26,282 22		
		102,527 58	
<b>Reduction of Funded Debt</b>			
General Loans:—			
Sewer . . . . .	21,000 00		
Highway . . . . .	46,000 00		
Municipal . . . . .	7,000 00		
City . . . . .	41,500 00		
Bridge . . . . .	1,000 00		
Metropolitan Park . . . . .	1,000 00		
Public Buildings . . . . .	18,000 00		
School House . . . . .	30,000 00		
		165,500 00	

## WATER WORKS

## Water Maintenance

## Administration:—

Commissioner . . . . .	3,100 00
Clerks . . . . .	7,903 40
Books, printing, postage and supplies . . . . .	1,912 58
Telephone . . . . .	276 86
All other . . . . .	93 14

## General:—

Labor . . . . .	43,735 95
Teams . . . . .	7 63
Pipe and fittings . . . . .	7,299 96
Meters and fittings . . . . .	3,709 34
Hydrants and fittings . . . . .	666 95
Tools . . . . .	2,802 60
Autos, trucks and sup- plies . . . . .	6,286 67
Horses and equipment . . . . .	560 23
Power . . . . .	21 69
Miscellaneous Supplies . . . . .	400 07
Street Repairs . . . . .	684 47
Fountains . . . . .	25 96
All other . . . . .	52 05

## Special Items:—

New Trucks . . . . .	684 52
Low Service Survey . . . . .	2,717 45
Convention Expenses . . . . .	46 11

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 82,987 63

Less Service Transfers for materials, etc. . . . .	556 25
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 82,431 38

	Expenses	Outlays
<b>Water Works Extension</b>		
Labor . . . . .	4,509 52	
Hired teams and trucks . . . . .	343 75	
Pipe and fittings . . . . .	13,052 60	
Meters and fittings . . . . .	6,065 35	
Hydrants and fittings . . . . .	693 58	
Tools and equipment . . . . .	64 00	
Contract . . . . .	1,051 56	
	<hr/>	
		25,780 36
 <b>Public Buildings Department, Maintenance</b>		
<b>Water Buildings</b>		
Labor . . . . .	699 97	
Fuel . . . . .	416 19	
Light . . . . .	384 42	
Lumber and Materials . . . . .	415 27	
Repairs to buildings . . . . .	112 28	
Plumbing . . . . .	5 33	
Heating apparatus and equipment . . . . .	29 88	
Furniture and furnishings . . . . .	17 85	
All other . . . . .	74 07	
	<hr/>	
		2,155 26
 <b>Metropolitan Water Assessment</b>		
Assessment . . . . .	139,164 15	
	<hr/>	
		139,164 15

**OTHER ACCOUNTS**

<b>Temporary Loans</b>		
Loans in anticipation of revenue . . . . .	\$1,750,000 00	1,750,000 00
 <b>Tax Titles</b>		
Taxes 1922 . . . . .	770 30	
Land Court Fees . . . . .	300 00	
	<hr/>	
		1,070 30
 <b>Real Estate Liens</b>		
Taxes 1922 on property taken by the city . . . . .	15 30	
	<hr/>	
		15 30
 <b>State Taxes</b>		
State . . . . .	194,520 00	
	<hr/>	
		194,520 00
Poll Taxes . . . . .	71,178 00	
	<hr/>	
		71,178 00



	Expenses	Outlays
<b>Metropolitan and Other Assessments</b>		
Metropolitan Park . . . . .	66,301 30	
Metropolitan Sewer . . . . .	106,182 28	
Wellington Bridge . . . . .	3,251 80	
Charles River Basin . . . . .	9,843 61	
Alewife Brook . . . . .	1,054 72	
Abatement of Smoke . . . . .	403 74	
Prevention of Fire . . . . .	1,086 80	
Grade Crossings . . . . .	3,507 20	
State Highway . . . . .	791 50	
Soldiers' Exemption . . . . .	208 12	
Rapid Transit, Dorchester Dist. . . . .	218 34	
	<u>192,849 41</u>	
<b>County of Middlesex</b>		
County Tax 1923 . . . . .	119,705 93	
	<u>119,705 93</u>	
<b>Cash Refunds</b>		
Taxes . . . . .	129 29	
Water . . . . .	464 92	
Other . . . . .	344 12	
	<u>938 33</u>	
<b>Tellers' Overs and Shorts</b>		
Cash Shortage . . . . .	56 54	
	<u>56 54</u>	
<b>Commonwealth of Massachusetts</b>		
Liquor License Fees . . . . .	5 00	
	<u>5 00</u>	
<b>PRIVATE TRUST</b>		
<b>Redemption of Tax Titles</b>		
Tax Titles Redeemed . . . . .	2,061 29	
	<u>2,061 29</u>	
Totals . . . . .	\$5,238 267 54	\$825,360 49
*Refunds . . . . .	6,912 36	73 58
	<u>\$5,245,179 90</u>	<u>\$825,434 07</u>
Total Cash Payments		<u>\$6,070,613 97</u>

\*Expenditures as shown in all accounts are net

## SCHEDULE OF PUBLIC PROPERTY

School Buildings	Buildings	Personal	Totals
Prescott . . . . .	72,200 00	3,000 00	75,200 00
East Somerville Junior High	62,000 00	2,000 00	64,000 00
Hanscom . . . . .	66,500 00	4,000 00	70,500 00
Davis . . . . .	53,500 00	17,500 00	71,000 00
Clark Bennett . . . . .	54,500 00	3,500 00	58,000 00
Knapp . . . . .	53,000 00	5,500 00	58,500 00
Baxter . . . . .	39,200 00	1,500 00	40,700 00
Perry . . . . .	52,000 00	1,500 00	53,500 00
Bell and Southern Junior High	232,000 00	10,000 00	242,000 00
Pope . . . . .	83,600 00	5,000 00	88,600 00
Cummings . . . . .	18,400 00	1,500 00	19,900 00
Edgerly . . . . .	43,000 00	5,000 00	48,000 00
Northern Eastern Junior High	63,000 00	.....	63,000 00
* High . . . . .	396,000 00	30,000 00	426,000 00
Glines . . . . .	96,400 00	5,000 00	101,400 00
Forster . . . . .	64,000 00	4,500 00	
Forster (Annex) . . . . .	40,000 00	3,500 00	112,000 00
† Proctor . . . . .	40,000 00	4,000 00	44,000 00
Bingham . . . . .	77,000 00	5,000 00	82,000 00
Morse . . . . .	59,000 00	5,000 00	64,000 00
Carr . . . . .	58,600 00	4,500 00	67,100 00
Girls' Industrial School . . . . .	4,000 00	.....	.....
Durell . . . . .	22,600 00	1,500 00	24,100 00
Burns . . . . .	44,000 00	3,000 00	47,000 00
Brown . . . . .	78,000 00	2,600 00	80,600 00
Highland . . . . .	71,600 00	5,000 00	76,600 00
Lowe . . . . .	56,000 00	2,000 00	58,000 00
Hodgkins . . . . .	113,700 00	5,000 00	118,700 00
x West Somerville-Junior High	200,000 00	8,000 00	208,000 00
Lincoln . . . . .	20,000 00	1,000 00	21,000 00
Cutler . . . . .	118,800 00	10,000 00	128,800 00
<b>Total . . . . .</b>	<b>\$2,452,600 00</b>	<b>\$159,600 00</b>	<b>\$2,612,200 00</b>

\* Land included in Central Hill Park.

† Building and fixtures. Land owned by State.

x Land included in Walter Ernest Shaw Playground.

School Buildings	Land and Buildings	Personal	Totals
<b>Fire Buildings</b>			
New Fire alarm building . . . . .	\$27,500 00	*\$105,000 00	\$180,200 00
Central . . . . .	47,700 00	.....	.....
Engine Two . . . . .	37,000 00	27,000 00	64,000 00
Engine Six . . . . .	39,500 00	25,000 00	64,500 00
Hose Five . . . . .	23,500 00	8,000 00	31,500 00
Ladder One . . . . .	60,000 00	25,000 00	85,000 00
Ladder Two . . . . .	19,700 00	15,000 00	34,700 00
Engine Four . . . . .	20,500 00	7,000 00	27,500 00
<b>Total</b> . . . . .	<b>\$275,400 00</b>	<b>\$212,000 00</b>	<b>\$487,400 00</b>

\* Includes Electrical Department equipment.

<b>Libraries</b>			
* Central . . . . .	137,500 00	100,000 00	237,500 00
East Somerville Branch . . . . .	24,400 00	.....	24,400 00
West Somerville Branch . . . . .	35,500 00	6,000 00	41,500 00
Prospect Hill . . . . .	18,000 00	2,000 00	20,000 00
<b>Total</b> . . . . .	<b>\$215,400 00</b>	<b>\$108,000 00</b>	<b>\$323,400 00</b>

<b>Miscellaneous Buildings</b>			
Highway (stables, etc.) . . . . .	55,000 00	30,000 00	85,000 00
Sewer . . . . .	6,700 00	500 00	7,200 00
<b>Contagious and Tuberculosis</b>			
Hospital . . . . .	58,500 00	9,000 00	67,500 00
City Home . . . . .	96,100 00	17,000 00	113,100 00
Police . . . . .	70,500 00	8,000 00	78,500 00
* City Hall . . . . .	57,200 00	149,000 00	206,200 00
* City Hall Annex . . . . .	68,200 00	12,500 00	80,700 00
<b>Parks:—</b>			
Broadway . . . . .	3,100 00	.....	3,100 00
Lincoln . . . . .	3,000 00	.....	3,000 00
Bathhouse . . . . .	5,000 00	.....	5,000 00
Polling Booths . . . . .	300 00	.....	300 00
Sanitary . . . . .	21,000 00	19,200 00	40,200 00
Water ..... . . . .	49,000 00	6,500 00	55,500 00
<b>Total</b> . . . . .	<b>\$493,600 00</b>	<b>\$251,700 00</b>	<b>\$745,300 00</b>

\* Land included in Central Hill Park.

<b>Parks and Playgrounds</b>			
Saxton C. Foss Park . . . . .	\$421,200 00	.....	\$421,200 00
Central Hill . . . . .	472,000 00	.....	472,000 00
Lincoln . . . . .	84,500 00	3,500 00	88,000 00
Prospect Hill . . . . .	69,800 00	1,500 00	71,300 00
Tufts . . . . .	109,000 00	.....	109,000 00
Paul Revere . . . . .	1,000 00	.....	1,000 00
Belmont Street . . . . .	5,100 00	.....	5,100 00
Trum Playground . . . . .	70,900 00	.....	70,900 00
<b>Total</b> . . . . .	<b>\$1,233,500 00</b>	<b>\$5,000 00</b>	<b>\$1,238,500 00</b>

## ANNUAL REPORTS.

	Land and Buildings	Personal	Totals
Glen Street . . . . .	17,300 00	.....	17,300 00
Kent Street . . . . .	12,000 00	.....	12,000 00
Poplar Street . . . . .	5,800 00	.....	5,800 00
Beacon Street . . . . .	3,000 00	.....	3,000 00
Dilboy Field . . . . .	40,000 00	20,000 00	60,000 00
Total . . . . .	<u>\$1,311,600 00</u>	<u>\$25,000 00</u>	<u>\$1,336,600 00</u>

## Miscellaneous Land

Walter Ernest Shaw Play- ground . . . . .	54,500 00	.....	54,500 00
Somerville Avenue . . . . .	300 00	.....	300 00
Putnam . . . . .	400 00	.....	400 00
Murdock Street . . . . .	600 00	.....	600 00
Lowell Street . . . . .	100 00	.....	100 00
Spencer Avenue . . . . .	100 00	.....	100 00
Weston Avenue . . . . .	2,100 00	.....	2,100 00
Endicott Avenue . . . . .	600 00	.....	600 00
Powder House Boulevard . . . . .	500 00	.....	500 00
Waltham Gravel Land . . . . .	10,000 00	.....	10,000 00
Cameron Avenue . . . . .	900 00	.....	900 00
Garden Court . . . . .	400 00	.....	400 00
Total . . . . .	<u>\$70,500 00</u>	.....	<u>\$70,500 00</u>

## SUMMARY

	Land and Buildings	Personal	Totals
School Buildings . . . . .	\$2,452,600 00	\$159,600 00	\$2,612,200 00
Fire Buildings . . . . .	275,400 00	212,000 00	487,400 00
Libraries . . . . .	215,400 00	108,000 00	323,400 00
Miscellaneous Buildings . . . . .	493,600 00	251,700 00	745,300 00
Parks and Playgrounds . . . . .	1,311,600 00	25,000 00	1,336,600 00
Miscellaneous Land . . . . .	70,500 00	.....	70,500 00
Total . . . . .	<u>\$4,819,100 00</u>	<u>\$756,300 00</u>	<u>\$5,575,400 00</u>
Sewer (cost) . . . . .			1,382,020 00
Water Works (cost) . . . . .			1,153,700 24
Total value public property			<u>\$8,111,120 24</u>

## REPORT OF THE TREASURER AND COLLECTOR OF TAXES

---

Somerville, Mass.  
January 22, 1924.

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

Gentlemen:

I herewith present the annual report of the City Treasurer and Collector of Taxes for the year 1923, and desire to call particular attention to the large amount appropriated from revenue for permanent improvements, viz \$300,835.00, (see statement of Revenue and Expense) and to the small per cent of Funded Debt, and the small per capita debt, (see statement of Borrowing Capacity.)

Respectfully submitted,

JOSEPH S. PIKE,

*City Treasurer and Collector of Taxes.*



## STATEMENT OF REVENUE AND EXPENSE

Excess and Deficiency credit Bal. Jan. 1, 1923 . . . . .		\$150,005 89
By adjustment credits . . . . .		190 53
		<hr/>
		\$150,196 42
To adjustment charges . . . . .		179 91
		<hr/>
		\$150,016 51
Assessed in Taxes . . . . .	\$2,815,485 92	
Less Polls to Commonwealth . . . . .	87,318 00	
	<hr/>	2,728,167 92
Estimated Revenue (net) . . . . .		582,933 82
Corporation Taxes . . . . .	100,734 12	
Income Taxes . . . . .	172,472 10	
National Bank Tax . . . . .	3,943 46	
	<hr/>	277,149 68
Boston Elevated Ry. Refund . . . . .		46,106 54
Fire Station, Marshall St. . . . .	6,500 00	
Land Cameron Ave. acquired by tax title . . . . .	519 80	
“ Broadway near Mason St. . . . .	3,500 00	
“ Garden Court, acquired by tax title . . . . .	102 32	
“ Powder House Blvd. . . . .	400 00	
“ Waltham . . . . .	1,040 00	
	<hr/>	12,062 12
Premium on Bonds . . . . .	2,397 50	
Accrued Interest . . . . .	2,377 78	
	<hr/>	4,775 28
From Supplementary Warrants prior years . . . . .		424 94
		<hr/>
		\$3,801,636 81
General Expenses . . . . .	2,493,650 56	
Interest . . . . .	104,905 36	
Reduction Funded Debt . . . . .	165,500 00	
Met. Water Asst. . . . .	139,164 15	
State Tax . . . . .	194,520 00	
State Assessments . . . . .	192,849 41	
County Tax . . . . .	119,705 93	
	<hr/>	3,410,295 41
Tellers Shorts and Overs . . . . .		56 54
Appropriated to Outlays for Permanent Improvements . . . . .		300,835 00
Balance to the credit of Excess and Deficiency account, December 31, 1923 . . . . .		90,449 86
		<hr/>
		\$3,801,636 81

## BORROWING CAPACITY, DECEMBER 31, 1923

Valuation, 1921 . . . . .	\$86,718,289 60	
Supplementary . . . . .	75,258 00	
	<hr/>	\$86,793,547 60
Valuation, 1922 . . . . .	88,158,139 27	
Supplementary . . . . .	8,400 00	
	<hr/>	88,166,539 27



Brought forward . . . . .		\$88,166,539 27
Valuation, 1923 . . . . .	92,519,400 00	
Supplementary . . . . .	9,000 00	
	<u>                    </u>	92,528,400 00
Total . . . . .		\$267,488,486 87
Abatements 1921 . . . . .	680,158 00	
1922 . . . . .	484,629 00	
1923 . . . . .	344,500 00	
	<u>                    </u>	1,509,287 00
		\$265,979,199 87
Average three years, one-third . . . . .		88,659,733 29
Two and one-half per cent . . . . .		2,216,493 33
Funded Debt, Dec. 31, 1923 . . . . .	1,743,500 00	
Sewer Loan, 1895, Chap. 357 . . . . .	\$6,000	
Met. Park Asst. Loan 1902, Chap. 325 . . . . .	6,000	
	<u>                    </u>	12,000 00
		1,731,500 00
Borrowing capacity Dec. 31, 1923 . . . . .		484,993 33
Maturities:		
January 1, 1924 . . . . .	33,000 00	
April 1, 1924 . . . . .	82,000 00	
July 1, 1924 . . . . .	\$28,500 00	
Less outside limit . . . . .	4,000 00	
	<u>                    </u>	24,500 00
October 1, 1924 . . . . .	21,000 00	
		160,500 00
		\$645,493 33
Maturities within limit 1924 . . . . .	160,500 00	
Maturities outside limit 1924 . . . . .	4,000 00	
	<u>                    </u>	\$164,500 00

Per cent of Funded Debt Dec. 31, 1923 to average valuation three years as above-.01967

Estimated population Dec. 31, 1923, 98,000. Per capita debt, \$17.79

CONDENSED CASH STATEMENT

Receipts		Payments	
Revenue . . . . .	\$5,425,178 89		\$5,256,505 47
Non-Revenue . . . . .	452,134 87		814,108 50
	<u>                    </u>		<u>                    </u>
	\$5,877,313 76		\$6,070,613 97
Cash Balance, Jan. 1, 1923 . . . . .	\$510,757 15	Cash Balance, Dec. 31, 1923 . . . . .	\$317,456 94
	<u>                    </u>		<u>                    </u>
	\$6,388,070 91		\$6,388,070 91

## DETAILED CASH STATEMENT

		Receipts	
Balance from 1922	.	.	\$510,757 15
Taxes 1919	.	\$4 00	
1920	.	627 64	
1921	.	1,207 07	
1922	.	401,933 18	
1923	.	2,233,134 46	
			\$2,636,906 35
Excise 1922	.	20 65	
1923	.	15 01	
			35 66
Street Sprinkling 1922	.	7,532 92	
1923	.	37,413 84	
			44,946 76
Highway Assessments 1921	.	864 37	
1922	.	7,361 02	
1923	.	5,720 19	
			13,945 58
Sidewalk Assessments 1921	.	1,012 07	
1922	.	3,341 05	
1923	.	2,484 54	
			6,837 66
Sewer Assessments 1921	.	92 72	
1922	.	6,469 13	
			6,561 85
Metered Water Charges 1922	.	33,514 27	
Water Sales 1923	.	255,429 41	
Maintenance	.	7,617 82	
Service Assessments	.	12,471 05	
			309,032 55
Departmental Deposits	.	74,545 84	
Departmental Accounts	.	11,120 36	
			85,666 20
Commonwealth of Massachusetts:			
Corporation Taxes	.	\$101,084 87	
Bank Taxes	.	3,943 46	
Street Railway Taxes	.	24,874 83	
			129,903 16
Income Taxes 1921 & prior years	.	6,456 00	
1922	.	7,294 50	
1923	.	158,721 60	
			172,472 10
For Schools:			
Vocational	.	9,592 10	
Continuation	.	4,160 31	
Americanization	.	3,715 91	
			17,468 32
Soldiers' Benefits	.	11,181 82	
Lieu Taxes	.	188 51	
Poll Taxes	.	2,940 00	
Boxing Licenses	.	137 40	
Boston Elevated deficit	.	46,106 54	
			17,468 32
Carried forward	.	\$3,484,330 46	\$510,757 15

Brought forward . . . . .	\$3,484,330 46	\$510,757 15
Real Estate Liens . . . . .	65 00	
Tax Titles . . . . .	2,573 25	
County of Middlesex:		
Dog Licenses . . . . .	2,198 78	
Courts, Police . . . . .	8,529 24	
Probation Officer . . . . .	154 00	
County . . . . .	938 50	
	<hr/>	9,621 74
Departmental Penalties:		
School Department . . . . .	229 00	
Licenses and Permits . . . . .	15,142 50	
Liquor, for Common-wealth . . . . .	5 00	
Interest:		
Taxes . . . . .	14,298 04	
Taxes Corporation (State) . . . . .	4 65	
Assessments . . . . .	302 42	
Tax Titles . . . . .	399 82	
Fire Station, Marshall St. . . . .	100 00	
Bank Accts. Treasurer . . . . .	15,366 88	
City Clerk . . . . .	17 20	
Miscellaneous . . . . .	22 25	
	<hr/>	30,511 26
Treasury Department:		
Costs, Taxes . . . . .	\$6,130 72	
Assessments . . . . .	116 24	
Tax Titles . . . . .	29 40	
Tax Lien Certificates . . . . .	1,034 00	
Redemption Certificates . . . . .	14 00	
	<hr/>	\$7,324 36
Edison Electric Illuminating Company, electrolysis . . . . .	750 00	
U. S. Fuel Administration . . . . .	35 58	
Dividend on old tax account . . . . .	27 81	
Sale Land Cameron Ave. (Tax Title) . . . . .	519 80	
" Fire Station Marshall St. (Balance) . . . . .	5,000 00	
" Land in Waltham . . . . .	1,040 00	
" Land Broadway & Mason Sts. . . . .	3,500 00	
" Land Garden Court (Balance of) . . . . .	102 32	
" Land Powder House Blvd. . . . .	400 00	
	<hr/>	10,562 12
General Expense (Refunds) . . . . .	1,594 58	
Temporary Loans . . . . .	\$1,850,000 00	
Trust Funds, Income:		
School: Cutler . . . . .	\$214 50	
Baker . . . . .	13 50	
Smith-Hughes . . . . .	2,833 05	
	<hr/>	
Carried forward . . . . .	\$3,061 05	\$5,414,971 44
		\$510,757 15

Brought forward . . . . .	\$3,061 05	\$5,414,971 44	\$510,757 15
Library: Cutler . . . . .	42 88		
Hunt, Art . . . . .	100 00		
Hunt, Book . . . . .	495 31		
Pitman, Art . . . . .	171 32		
Pitman, Poetry . . . . .	42 82		
Wilder, Children's . . . . .	4 50		
Poor: Cummings . . . . .	75 05		
		<u>\$3,992 93</u>	
Premium on Bonds . . . . .		3,343 50	
Accrued Interest . . . . .		2,695 49	
Excess and Deficiency . . . . .		175 53	
		<u>\$5,425,178 89</u>	
<b>Non-Revenue</b>			
Funded Debt. Schoolhouse			
loan . . . . .	300,000 00		
City Hall Addition loan . . . . .	150,000 00		
Offsets to Outlays . . . . .	73 58		
Redemption Tax Titles . . . . .	2,061 29		
		<u>452,134 87</u>	
			<u>5,877,313 76</u>
			<u>\$6,388,070 91</u>

## PAYMENTS

<b>Revenue</b>			
Refunds:			
Taxes 1922 . . . . .	\$51 22		
1923 . . . . .	71 44		
		<u>\$122 66</u>	
Corporation to Commonwealth			350 75
Water prior years . . . . .	14 29		
Water 1923 . . . . .	439 63		
Water Maintenance . . . . .	11 00		
		<u>464 92</u>	
Real Estate Liens . . . . .		15 30	
Tax Titles . . . . .		1,070 30	
Revenue Loans . . . . .		1,750,000 00	
Reduction of Funded Debt . . . . .	165,500 00		
General Expenses . . . . .	2,508,632 00		
Metropolitan Water Assess-			
ment . . . . .	139,164 15		
Interest: Funded Debt . . . . .	62,906 25		
Revenue Loans . . . . .	41,999 11		
		<u>2,918,201 51</u>	
<b>Commonwealth of Massachu-</b>			
<b>setts:</b>			
State Tax . . . . .	194,520 00		
Assessments . . . . .	192,641 29		
Soldiers' Exemption . . . . .	208 12		
War Poll Tax, 1923 . . . . .	74,118 00		
Liquor Licenses . . . . .	5 00		
		<u>461,492 41</u>	
Carried forward . . . . .		<u>\$5,131,717 85</u>	

Brought forward . . . . .		\$5,131,717 85	
County of Middlesex, county tax . . . . .		119,705 93	
Trust Funds:			
School: Cutler . . . . .	42 90		
Smith-Hughes . . . . .	4,105 35		
Baker . . . . .	9 32		
Library: Cutler . . . . .	43 16		
Hunt Art . . . . .	29 50		
Hunt Books . . . . .	484 95		
Pitman Art . . . . .	126 25		
Pitman Poetry . . . . .	38 72		
Hunt Art for Expenses . . . . .	145 00		
		<hr/>	5,025 15
Tellers Shorts and Overs . . . . .			56 54
			<hr/>
			\$5,256,505 47
Non-Revenue			
Outlay Appropriations . . . . .	\$812,047 21		
Redemption Tax Titles . . . . .	2,061 29		
		<hr/>	\$814,108 50
			<hr/>
			\$6,070,613 97
Cash in office . . . . .			4,124 85
Deposits in banks . . . . .			313,332 09
			<hr/>
			317,456 94
			<hr/>
			\$6,388,070 91

BALANCES, DECEMBER 31, 1923

Cash . . . . .		\$317,456 94	
Cash advances . . . . .		200 00	
Taxes, 1920 . . . . .	\$257 65		
1921 . . . . .	97 10		
1922 . . . . .	1,165 68		
1923 . . . . .	589,719 86		
1923, Excise . . . . .	12 34		
		<hr/>	591,252 63
Street Sprinkling, 1923 . . . . .			7,897 92
Overlay and Abatement, 1917 . . . . .			6 00
1920 . . . . .			\$257 65
1921 . . . . .			97 10
1922 . . . . .			1,165 68
1923 . . . . .			19,645 68
Supplementary Assessments . . . . .			471 28
Highway Assessments, 1923 . . . . .		11,425 31	
Sidewalk Assessments, 1923 . . . . .		2,483 86	
Sewer Assessments, 1923 . . . . .		1,506 30	
Metered Water Charges, 1923 . . . . .		35,222 25	
Comlth. of Mass., Benefits . . . . .		8,861 17	
Grade Crossings . . . . .		427 30	
Real Estate Liens . . . . .		24 73	
Tax Titles . . . . .		1,661 13	
		<hr/>	<hr/>
Carried forward . . . . .		\$978,425 54	\$21,637 39



Brought forward . . . .	\$978,425 54	\$21,637 39
Temporary Loans . . . .		600,000 00
Funded Debt . . . . .		1,743,500 00
Net Funded Debt . . . . .	1,743,500 00	
Comlth. of Mass., Poll Taxes		387 00
Outlay Appropriations . . .		251,841 79
Trust Funds:		
School: Cutler Fund . . . .		624 85
Smith-Hughes . . . . .		194 60
Caroline G. Baker . . . .		10 93
Library: Cutler Fund . . . .		20
Hunt, Art . . . . .		102 51
Hunt, Art for expense . . .		57 77
Hunt, Books . . . . .		11 12
Pitman, Art . . . . .		45 59
Pitman, Poetry . . . . .		9 07
Wilder . . . . .		8 79
Welfare, Cummings Fund . . .		432 22
Premium on Bonds . . . . .		3,343 50
Accrued Interest . . . . .		428 82
Sundry Persons . . . . .		291 65
Excess and Deficiency . . . .		90,449 86
Reserve Fund (Surplus Over- lays) . . . . .		8,547 88
Public Trust Funds:		
School:		
Cutler Fund . . . . .		\$5,000 00
Baker . . . . .		300 00
Library:		
Hunt Fund Books . . . . .		12,000 00
Hunt Fund Art . . . . .		2,000 00
Cutler . . . . .		1,000 00
Pitman Art 80% . . . . .		
Pitman Poetry 20% . . . .		5,314 58
Wilder . . . . .		100 00
Welfare:		
Cummings Fund . . . . .		1,681 66
Investment . . . . .	\$27,396 24	
	<u>\$2,749,321 78</u>	<u>\$2,749,321 78</u>

The assessors' warrant for the tax levy,, assessed upon polls and property April 1, 1923, amounted to \$2,892,600.66.

Real Estate:

Land . . . . .	\$25,712,050 00
Buildings . . . . .	59,358,050 00
	<u>\$85,070,100 00</u>
Personal . . . . .	7,449,300 00
	<u>\$92,519,400 00</u>
Total Valuation . . . . .	\$92,519,400 00



TREASURER AND COLLECTOR OF TAXES

At a rate of \$29.20 . . .		\$2,701,566 48
Polls, 29,106 at \$5.00 . . .		145,530 00
Street Sprinkling . . .		45,504 18
		<hr/>
		\$2,892,600 66
Additional Assessments:		
Personal \$9,000 at \$29.20 . . .	262 80	
Polls, 129 at \$5.00 . . .	645 00	
Excise . . . . .	27 35	
	<hr/>	935 15
		<hr/>
Total commitment by assessors		\$2,893,535 81

TAXES

	1920 & prior years	1921	1922	1923	Excise 1922	Excise 1923	Total
Balance Dec. 31, 1922	\$2,675 53	\$4,832 56	\$411,970 19		\$20 65		\$419,498 93
Committed 1923				\$2,847,096 48			2,847,096 48
Supplementary				907 80	\$27 35		935 15
Refunds			51 22	71 44			122 66
Recharged	3 51	10 00		5 00			18 51
Total charges	\$2,679 04	\$4,842 56	\$412,021 41	\$2,848,080 72	\$20 65	\$27 35	\$3,267,671 73
Collected	631 64	1,207 07	401,933 18	2,233,134 46	20 65	15 01	2,636,942 01
Abated	1,789 75	3,538 39	8,922 55	25,226 40			39,477 09
Total credits	\$2,421 39	\$4,745 46	\$410,855 73	\$2,258,360 86	\$20 65	\$15 01	\$2,676,419 10
Balance Dec. 31, 1923	257 65	97 10	1,165 68	589,719 86		12 34	591,252 63

STREET SPRINKLING ASSESSMENTS

	1922	1923	Total
Balance Dec. 31, 1922 . . . . .	\$7,546 42	.....	\$7,546 42
Committed 1923 . . . . .	.....	\$45,504 18	45,504 18
Refunds . . . . .	.....	.....	.....
	<hr/>	<hr/>	<hr/>
Total charges . . . . .	\$7,546 42	\$45,504 18	\$53,050 60
Collected . . . . .	7,532 92	37,413 84	44,946 76
Abated . . . . .	13 50	192 42	205 92
	<hr/>	<hr/>	<hr/>
Total credits . . . . .	\$7,546 42	\$37,606 26	\$45,152 68
Balance Dec. 31, 1923 . . . . .	.....	7,897 92	7,897 92

OVERLAY AND ABATEMENT

	1920 & prior years				1921	1922	1923	Total
Credit Balance Dec. 31, 1922	.	.	.	.	\$3,603 21	\$15,203 55	.....	\$20,721 61
Debit Balance Dec. 31, 1922	.	.	.	.	.....	.....	.....	111 29
Assessed in taxes	.	.	.	.	.....	.....	.....	31,610 56
Charged to Commonwealth	.	.	.	.	51 00	1,089 00	.....	14,439 00
Recharged	.	.	.	.	10 00	.....	5 00	18 51
Transfers	.	.	.	.	600 00	.....	.....	820 00
Total credits	.	.	.	.	\$4,264 21	\$16,292 55	.....	\$67,498 39
Abatements	.	.	.	.	3,493 39	8,846 83	.....	39,294 85
Adjustment	.	.	.	.	592 00	440 00	.....	1,032 00
To Reserve Fund (Surplus)	.	.	.	.	81 72	5,840 04	.....	6,011 43
Total charges	.	.	.	.	\$4,167 11	\$15,126 87	.....	\$46,338 28
Credit Balance Dec. 31, 1923	.	.	.	.	97 10	1,165 68	.....	21,166 11
Debit Balance Dec. 31, 1923	.	.	.	.	.....	.....	.....	6 00

SUPPLEMENTARY ASSESSMENTS

Balance to Credit, Dec. 31, 1922	.	.	.	.	\$528 66		
Supplementary 1923	.	.	.	.	520 80		
Charged to Commonwealth	.	.	.	.	39 00		
Total credits	.	.	.	.	\$1,088 46		
Abatements	.	.	.	.	182 24		
Transferred to Revenue	.	.	.	.	424 94		
Adjustment	.	.	.	.	10 00		
Total charges	.	.	.	.	\$617 18		
Credit Balance Dec. 31, 1923	.	.	.	.	471 28		

**BETTERMENT ASSESSMENTS**

	Highways 1921 1922	Highways 1923	Sidewalk 1921 1922	Sidewalk 1923	Sewer 1921 1922	Sewer 1923	Total
Balance Dec. 31, 1922							
Committed 1923	\$8,225 39	\$17,145 50	\$4,353 12	\$4,968 40	\$6,561 85	\$1,506 30	\$19,140 36
							23,620 20
Total charges	\$8,225 39	\$17,145 50	\$4,353 12	\$4,968 40	\$6,561 85	\$1,506 30	\$42,760 56
Collected	8,225 39	5,720 19	4,353 12	2,484 54	6,561 85		27,345 09
Abated							
Total credits	\$8,225 39	\$5,720 19	\$4,353 12	\$2,484 54	\$6,561 85		\$27,345 09
Balance Dec. 31, 1923		11,425 31		2,483 86		1,506 30	15,415 47

**WATER DEPARTMENT ACCOUNTS**

	Metered 1922	Metered 1923	Annual	Additional	Maintenance	Service Assessments	Total
Balance Dec. 31, 1922							
Committed 1923	\$33,666 39	\$265,589 76	\$26,720 25	\$1,175 17	\$8,223 42	\$12,471 05	\$33,666 39
Refunds		12 84	426 79		11 00		314,179 65
							450 63
Total charges	\$33,666 39	\$265,602 60	\$27,147 04	\$1,175 17	\$8,234 42	\$12,471 05	\$348,296 67
Collected	33,514 27	229,731 31	24,655 02	1,043 08	7,617 82	12,471 05	309,032 55
Abated	152 12	649 04	2,492 02	132 09	616 60		4,041 87
Total credits	\$33,666 39	\$230,380 35	\$27,147 04	\$1,175 17	\$8,234 42	\$12,471 05	\$313,074 42
Balance Dec. 31, 1923		35,222 25					35,222 25

DEPARTMENTAL ACCOUNTS FOR COLLECTION AND DEPOSITS

	Balance Dec. 31, 1922	Committed	Abated	Collected	Balance Dec 31, 1923	Deposits
Assessors . . . . .	.....	.....	.....	.....	.....	\$5 50
City Clerk . . . . .	.....	.....	.....	.....	.....	1,796 85
Law Department . . . . .	.....	.....	.....	.....	.....	4 85
Engineering Department . . . . .	.....	.....	.....	.....	.....	11 90
Building Department . . . . .	\$22 25	.....	.....	\$15 76	\$6 49	.....
Police Department . . . . .	.....	\$268 40	.....	268 40	.....	131 52
Police Building . . . . .	.....	1,350 00	.....	1,012 50	337 50	.....
Fire Department . . . . .	.....	.....	.....	.....	.....	74 50
Weights and Measures . . . . .	.....	.....	.....	.....	.....	619 25
Health Department . . . . .	1,129 34	975 07	\$221 00	1,169 98	713 43	.....
Contagious Hospital . . . . .	2,816 00	9,242 50	683 50	7,083 14	4,291 86	.....
Inspection of Milk and Vinegar . . . . .	3 00	878 00	1 00	708 50	171 50	31 85
Sanitary Department . . . . .	21 00	918 50	321 00	618 50	.....	2,008 60
Sanitary Buildings . . . . .	.....	567 04	.....	567 04	.....	.....
Sewers Maintenance . . . . .	.....	59 35	.....	59 35	.....	.....
Sewers Construction . . . . .	.....	233 07	.....	233 07	.....	.....
Highway Maintenance . . . . .	94 49	15,786 24	44 10	15,241 06	595 57	.....
Highway Buildings . . . . .	.....	240 00	.....	240 00	.....	.....
Sidewalks Maintenance . . . . .	22 87	9 66	.....	32 53	.....	.....
Street Sprinkling (Private Streets) . . . . .	.....	24 30	.....	24 30	.....	.....
Welfare Misc. (Commonwealth) . . . . .	9,840 87	28,715 21	303 00	24,039 36	14,213 72	.....
Welfare Miscellaneous . . . . .	2,229 24	7,246 16	160 86	6,823 26	2,491 28	.....
Welfare, City Home . . . . .	355 72	4,218 27	.....	4,497 56	76 43	3,194 31
School Department . . . . .	1,742 34	10,820 60	679 23	10,542 38	1,341 33	48 37
School Buildings . . . . .	102 00	1,334 15	55 00	1,344 15	37 00	.....
Libraries . . . . .	.....	.....	.....	.....	.....	2,281 71
Bathhouse . . . . .	.....	25 00	.....	25 00	.....	472 45
Shower Baths . . . . .	.....	.....	.....	.....	.....	438 70
	<b>\$18,379 12</b>	<b>\$82,911 52</b>	<b>\$2,468 69</b>	<b>\$74,545 84</b>	<b>\$24,276 11</b>	<b>\$11,120 36</b>



REVENUE LOANS

In anticipation of Revenue

Balance from 1922 . . . . . \$500,000 00

Borrowed by authority of an order of the Board of Aldermen on city notes, as follows:

Nos. 1083-1092	259 days @	3.99	disct.	.	.	\$100,000 00
1094-1100	255 "	3.85	"	.	.	100,000 00
1101-1102	255 "	3.85	"	.	.	50,000 00
1103	239 "	4.00	int.	.	.	300,000 00
1104	216 "	4.10	"	.	.	300,000 00
1105-1110	241 "	4.06	disct.	.	.	100,000 00
1111-1116	258 "	4.06		.	.	100,000 00
1117-1118	119 "	1.10		.	.	50,000 00
1119-1128	147 "	4.25		.	.	150,000 00
1129-1134	142 "	4.19		.	.	100,000 00
1136-1141	171 "	4.19		.	.	100,000 00
1142-1154	149 "	4.20		.	.	200,000 00
1155-1160	142 "	4.15	\$3.50 prem	.	.	100,000 00
1161-1166	175 "	4.15		.	.	100,000 00
						1,850,000 00

\$2,350,000 00  
1,750,000 00

Paid notes maturing in 1923 . . . . .

Maturing in 1924 . . . . .

\$ 600,000 00

Amount paid for interest and discount on amount borrowed in 1923 . . . . . \$41,999 11

Notes average 200 135-185 days and the average rate . . . . . 4.07+

Average for 1922, 201 days, and average rate . . . . . 3.79

The funded debt December 31, 1923, was \$1,743,500.00 classified as follows:

Met. Park Asst. Loan at 3½ per cent.	.	.	\$6,000 00
Lowell Street Bridge at 3½ per cent.	.	.	26,000 00
Sewer at 3½ per cent.	.	.	44,000 00
Sewer at 4 per cent.	.	.	103,000 00
Sewer at 4¼ per cent.	.	.	20,000 00
City at 3½ per cent.	.	.	12,000 00
City at 4 per cent.	.	.	143,500 00
Highway at 3½ per cent.	.	.	22,000 00
Highway at 4 per cent.	.	.	80,000 00
Highway at 4½ per cent.	.	.	24,000 00
Highway at 5 per cent	.	.	75,000 00
City Hall Addition at 4 per cent.	.	.	80,000 00
City Hall Addition at 4¼ per cent.	.	.	70,000 00
Public Building at 4 per cent.	.	.	133,000 00
Public Building at 4½ per cent.	.	.	60,000 00
School house at 4 per cent.	.	.	845,000 00

## Funded debt within the limit fixed by law

Lowell Street Bridge . . . . .	\$26,000 00	
Sewer . . . . .	161,000 00	
City . . . . .	155,500 00	
Highway . . . . .	201,000 00	
City Hall Addition . . . . .	150,000 00	
Public Building . . . . .	193,000 00	
Schoolhouse . . . . .	845,000 00	
		<u>\$1,731,500 00</u>

## Beyond limit fixed by law.

Sewer (Chap. 357, Acts 1895) . . . . .	\$6,000 00	
Met. Park Asst. (Chap. 325, Acts 1902) . . . . .	6,000 00	
		<u>\$12,000 00</u>
		<u><u>\$1,743,500 00</u></u>

OUTSTANDING BONDS DECEMBER 31, 1923

	City	Sewer	Sewer Outside	Park Outside	Bridge	Highway	City Hall Addition	Pub. Bldgs.	School	Total
1924	\$25,500	\$17,000	\$3,000	\$1,000	\$1,000	\$46,000	\$8,000	\$18,000	\$45,000	\$164,500
1925	23,000	17,000	3,000	1,000	1,000	35,000	8,000	18,000	45,000	151,000
1926	19,000	15,000	.....	1,000	1,000	30,000	8,000	18,000	45,000	137,000
1927	19,000	14,000	.....	1,000	1,000	22,000	8,000	17,000	45,000	127,000
1928	17,000	12,000	.....	1,000	1,000	19,000	8,000	16,000	44,000	118,000
1929	16,000	11,000	.....	1,000	1,000	19,000	8,000	16,000	44,000	116,000
1930	15,000	10,000	.....	.....	1,000	15,000	8,000	16,000	44,000	109,000
1931	12,000	10,000	.....	.....	1,000	10,000	8,000	15,000	44,000	100,000
1932	9,000	8,000	.....	.....	1,000	5,000	8,000	15,000	44,000	90,000
1933	.....	8,000	.....	.....	1,000	.....	8,000	14,000	43,000	74,000
1934	.....	8,000	.....	.....	1,000	.....	7,000	14,000	43,000	73,000
1935	.....	7,000	.....	.....	1,000	.....	7,000	8,000	43,000	66,000
1936	.....	6,000	.....	.....	1,000	.....	7,000	4,000	43,000	61,000
1937	.....	6,000	.....	.....	1,000	.....	7,000	4,000	43,000	61,000
1938	.....	4,000	.....	.....	1,000	.....	7,000	.....	43,000	55,000
1939	.....	3,000	.....	.....	1,000	.....	7,000	.....	43,000	54,000
1940	.....	2,000	.....	.....	1,000	.....	7,000	.....	43,000	53,000
1941	.....	1,000	.....	.....	1,000	.....	7,000	.....	43,000	52,000
1942	.....	1,000	.....	.....	1,000	.....	7,000	.....	43,000	52,000
1943	.....	1,000	.....	.....	1,000	.....	7,000	.....	15,000	24,000
1944	.....	.....	.....	.....	1,000	.....	.....	.....	.....	1,000
1945	.....	.....	.....	.....	1,000	.....	.....	.....	.....	1,000
1946	.....	.....	.....	.....	1,000	.....	.....	.....	.....	1,000
1947	.....	.....	.....	.....	1,000	.....	.....	.....	.....	1,000
1948	.....	.....	.....	.....	1,000	.....	.....	.....	.....	1,000
1949	.....	.....	.....	.....	1,000	.....	.....	.....	.....	1,000
	\$155,500	\$161,000	\$6,000	\$6,000	\$26,000	\$201,000	\$150,000	\$193,000	\$845,000	\$1,743,500

## BONDS DUE IN 1924

	January	April	July	October	Total
Met. Park . . . . .	.....	.....	\$1,000 00	.....	\$1,000 00
Lowell Street Bridge . . . . .	.....	\$1,000 00	.....	.....	1,000 00
Sewer . . . . .	\$3,000 00	9,000 00	8,000 00	.....	20,000 00
City . . . . .	2,000 00	14,000 00	9,500 00	.....	25,500 00
Highway . . . . .	8,000 00	36,000 00	2,000 00	.....	46,000 00
City Hall Addition . . . . .	.....	.....	.....	\$8,000 00	8,000 00
Public Bldg. . . . .	5,000 00	5,000 00	8,000 00	.....	18,000 00
Schoolhouse. . . . .	15,000 00	17,000 00	.....	13,000 00	45,000 00
	<u>\$33,000 00</u>	<u>\$82,000 00</u>	<u>\$28,500 00</u>	<u>\$21,000 00</u>	<u>\$164,500 00</u>

## BOND INTEREST DUE IN 1924

	January	April	July	October	Total
Met. Park . . . . .	\$105 00	.....	\$105 00	.....	\$210 00
Lowell Street Bridge . . . . .	.....	\$455 00	.....	\$437 50	892 50
Sewer . . . . .	760 00	2,495 00	705 00	2,318 75	6,278 75
City . . . . .	1,670 00	1,410 00	1,630 00	1,140 00	5,850 00
Highway . . . . .	505 00	3,895 00	365 00	3,115 00	7,880 00
City Hall Addition . . . . .	.....	3,087 50	.....	3,087 50	6,175 00
Public Build- ings . . . . .	2,950 00	1,060 00	2,850 00	960 00	7,820 00
Schoolhouse . . . . .	6,000 00	10,900 00	5,700 00	10,560 00	33,160 00
	<u>\$11,990 00</u>	<u>\$23,302 50</u>	<u>\$11,355 00</u>	<u>\$21,618 75</u>	<u>\$68,266 25</u>

## BONDS OUTSTANDING DECEMBER 31, 1923

## With Interest to Maturity

	Bonds	Interest	Total
Metropolitan Park . . . . .	\$6,000 00	\$735 00	\$6,735 00
Lowell Street Bridge . . . . .	26,000 00	11,830 00	37,830 00
Sewer . . . . .	167,000 00	41,430 00	208,430 00
City . . . . .	155,500 00	24,780 00	180,280 00
Highway . . . . .	201,000 00	28,450 00	229,450 00
City Hall Addition . . . . .	150,000 00	63,712 50	213,712 50
Public Buildings . . . . .	193,000 00	48,670 00	241,670 00
Schoolhouse . . . . .	845,000 00	328,840 00	1,173,840 00
	<u>\$1,743,500 00</u>	<u>\$548,447 50</u>	<u>\$2,291,947 50</u>

YEARLY BOND MATURITIES WITH INTEREST

Date Due	Principal	Interest	Total
1924.....	\$164,500 00	\$68,266 25	\$232,766 25
1925.....	151,000 00	61,858 75	212,858 75
1926.....	137,000 00	55,973 75	192,973 75
1927.....	127,000 00	50,516 25	177,516 25
1928.....	118,000 00	45,463 75	163,463 75
1929.....	116,000 00	40,651 25	156,651 25
1930.....	109,000 00	36,006 25	145,006 25
1931.....	100,000 00	31,748 75	131,748 75
1932.....	90,000 00	27,901 25	117,901 25
1933.....	74,000 00	24,453 75	98,453 75
1934.....	73,000 00	21,486 25	94,486 25
1935.....	66,000 00	18,641 25	84,641 25
1936.....	61,000 00	16,073 75	77,073 75
1937.....	61,000 00	13,603 75	74,603 75
1938.....	55,000 00	11,173 75	66,173 75
1939.....	54,000 00	8,983 75	62,983 75
1940.....	53,000 00	6,831 25	59,831 25
1941.....	52,000 00	4,716 25	56,716 25
1942.....	52,000 00	2,621 25	54,621 25
1943.....	24,000 00	846 25	24,846 25
1944.....	1,000 00	192 50	1,192 50
1945.....	1,000 00	157 50	1,157 50
1946.....	1,000 00	122 50	1,122 50
1947.....	1,000 00	87 50	1,087 50
1948.....	1,000 00	52 50	1,052 50
1949.....	1,000 00	17 50	1,017 50
	<u>\$1,743,500 00</u>	<u>\$548,447 50</u>	<u>\$2,291,947 50</u>

MEMORANDUM OF PAYMENTS IN 1923 ON ACCOUNT OF DEBT

	Principal	Interest	Total
Bonds, General City Debt	\$165,500 00	\$60,528 47A	\$226,028 47
Revenue Loans . . . . .	.....	41,999 11	41,999 11
Grade Crossings . . . . .	3,380 00	127 20	3,507 20

On account of  
Metropolitan District Debt:

Sewers . . . . .	23,061 90	29,582 67	52,644 57
Metropolitan Park . . . . .	3,555 82	14,302 31	17,858 13
Wellington Bridge . . . . .	1,265 00	126 50	1,391 50
Charles River Basin . . . . .	310 09	3,550 49	3,860 58
Alewife Brook . . . . .	818 39	236 33	1,054 72
Water . . . . .	14,909 43	82,407 74	97,317 17

Somerville's proportion  
for debt requirements:

In State Tax . . . . .	23,175 89	27,800 15	50,976 04
In County Tax . . . . .	2,700 77	3,725 20	6,425 97
	<u>\$238,677 29</u>	<u>\$264,386 17</u>	<u>\$503,063 46</u>

A. \$2,377.78 accrued interest applied as a deduction.



TREASURY DEPARTMENT, 1923

Appropriated in budget . . . . .		\$22,500 00
Transfer . . . . .		450 00
		<hr/>
		\$22,950 00
Salaries:		
Treasurer and Collector . . . . .	\$4,000 00	
Deputy Collector . . . . .	2,000 00	
Cashiers . . . . .	2,500 24	
Clerks . . . . .	9,155 68	
Stationery, postage and books . . . . .	2,544 51	
Printing . . . . .	784 62	
Telephone . . . . .	163 36	
Tracing addresses . . . . .	220 00	
Bonds . . . . .	386 20	
Typewriting and Adding Machine . . . . .	620 00	
Repairs to machines and safe . . . . .	52 04	
Advertising Tax Sales, recording deeds, etc. . . . .	351 07	
Car hire, paymaster . . . . .	42 00	
Sundries . . . . .	55 90	
	<hr/>	
	\$22,875 62	
Balance . . . . .	74 38	
	<hr/>	
		\$22,950 00



## SOMERVILLE WATER WORKS

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### SOMERVILLE, MIDDLESEX CO, MASSACHUSETTS.

Settled, when part of Charlestown, 1630.  
(Home of Colonial Governor John Winthrop).  
Incorporated a town, 1842.  
Established a city, 1872.

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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, 1920 census, 93,033.

Present population, estimated, 98,000.

Entire population on line of pipe and supplied with water.

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Water works owned by City of Somerville.

Construction commenced in 1868.

Source of supply: Metropolitan system, taking water of the Nashua river at Clinton, Mass.

Range of pressure on street mains:

Low service 35 to 65 pounds.

High service 45 to 100 pounds.

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Mayor

HON. JOHN M. WEBSTER

---

Water Commissioner

FRANK E. MERRILL

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Office of the Water Department

Room 10, City Hall

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Department Buildings and Yard

Cedar street, near Broadway.

ADMINISTRATION OF WATER WORKS  
VESTED AS FOLLOWS:

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1868 — 1871

SOMERVILLE MYSTIC WATER COMMITTEE (5)  
Acts 1868; Chap. 202

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1872 — 1890

SOMERVILLE MYSTIC WATER BOARD (5)  
Acts 1871; Chap. 182

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1891 — 1897

SOMERVILLE MYSTIC WATER BOARD (3)  
Acts 1890; Chap. 218

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1898 — 1899

BOARD OF WATER COMMISSIONERS (3)  
Acts 1898; Chap. 33

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1900 —

WATER COMMISSIONER (1)  
Acts 1899; Chap. 240

## REPORT OF THE WATER COMMISSIONER

OFFICE OF THE WATER COMMISSIONER,  
January, 1924.

To His Honor, the Mayor, and the Board of Aldermen:—

I present herewith my report for the year ending December 31, 1923, this being the fiftieth annual report of the water department and my twenty-fourth as water commissioner:

## Revenue and Expenditures

Water bills have been issued as follows:—

“Annual” water charges, amounting to . . . . .		\$26,720 25	
“Additional” water charges, amounting to . . . . .		1,175 17	
“Metered” water charges, amounting to . . . . .		265,589 76	
			<hr/>
		\$293,485 18	
Abatements and refunds . . . . .		3,273 15	
			<hr/>
Income from sale of water . . . . .		\$290,212 03	
Receipts; water service assessments . . . . .	\$12,471 05		
Receipts; labor and materials sold:—			
Misc. accounts charged . . . . .	\$8,223 42		
Abatements . . . . .	616 60	7,606 82	
			<hr/>
		20,077 87	
			<hr/>
Total income of water works . . . . .		\$310,289 90	

This amount was used as follows:—

For water works purposes:—

## Under Control of the Water Commissioner

Water Works Maintenance . . . . .	\$74,824 56	
Water Works Extension . . . . .	25,780 36	
Miscellaneous accounts . . . . .	7,606 82	
		<hr/>
		\$108,211 74

## Not Under Control of the Water Commissioner

Metropolitan water works assessment . . . . .	\$139,164 15	
Maintenance water works buildings . . . . .	2,155 26	
		<hr/>
		\$141,319 41

For other municipal purposes:—

## Not Under Control of the Water Commissioner

Surplus . . . . .		\$60,758 75
		<hr/>
Total . . . . .		\$310,289 90

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

Appropriations made by Board of Aldermen		\$82,600 00
Department accounts; receipts . . . . .		1,199 68
Water works extension account; receipts . . . . .		19,692 76
Refund . . . . .		6 24
Amount expended for labor and materials for operation, maintenance, and renewal of the water works . . . . .	\$74,824 56	
Amount expended for materials used in extension of the water works . . . . .	19,692 76	
Miscellaneous accounts . . . . .	7,606 82	
Labor and materials furnished municipal departments . . . . .	1,199 68	
Expenditure refund . . . . .	6 24	
Balance . . . . .	168 62	
	<hr/>	
	\$103,498 68	\$103,498 68

#### WATER WORKS EXTENSION ACCOUNT

Appropriations made by Board of Aldermen . . . . .		\$25,800 00
Department accounts: receipts . . . . .		173 23
Amount expended for labor and materials used in extension of the water works . . . . .	\$25,780 36	
Water Service: Departments account . . . . .	173 23	
Balance . . . . .	19 64	
	<hr/>	
	\$25,973 23	\$25,973 23

#### Cost of Water Works

The total cost of water works on December 31, 1922, as represented by the expenditures from appropriations for water works extension was . . . . .		\$1,127,746 65
<u>Expended during the year 1923, on extension account . . . . .</u>		<u>\$ 25,780 36</u>
Total expenditures, December 31, 1923 . . . . .		\$1,153,527 01

Water Works Income from 1898 and its Distribution

The water income and its distribution from 1898 to 1923, inclusive, is shown in the following table:—

Total water income . . . . .	\$6,260,126 07
Distribution:—	

Water Works Account

Water works Construction, Renewal, Maintenance, Operation and Miscel- laneous Accounts . . . . .	\$1,649,132 41	
Water bonds . . . . .	274,000 00	
Interest . . . . .	86,575 00	
Metropolitan Water Assessments . . . . .	2,545,161 73	
Maintenance Water Works buildings . . . . .	11,772 36	
		\$4,566,641 50

Other Municipal Accounts

Various municipal departments through specific appropriations and general revenue account . . . . .		\$1,693,484 57
		\$6,260,126 07

Water Distribution System—Construction

STREET MAINS

Approximate number of feet of street mains in the city, January 1, 1923, (including hydrant branches and blow-offs) . . . . .		549,672
Feet of street mains laid in 1923 . . . . .	2,253	
Feet of hydrant branches laid in 1923 . . . . .	138	
Feet of blow-off branches laid in 1923 . . . . .	0	
Total feet of pipe laid . . . . .	2,391	
Feet of pipe removed or replaced . . . . .	840	
Net increase in feet of pipe . . . . .		1,551
Total approximate feet of pipe in the city . . . . .		551,223
Total pipe mileage, approximately . . . . .		104.4

The sizes and lengths of pipe laid and discontinued are as follows:—

Size	Feet Laid	Feet Discontinued	Size	Feet Laid	Feet Discontinued
¾"	0	0	6"	517	683
1"	16	0	8"	754	0
2"	118	134	10"	670	0
4"	0	23	12"	316	0



The pipes constructed and replaced during the year are as follows:—

Constructed:	Size	Feet Laid	Feet Discontinued	Size Discontinued
Blakeley Ave. . . . .	8"	26		
Boston Ave. . . . .	10"	36		
Cross St. East . . . . .	12"	276		
Edmonton Ave. . . . .	8"	433		
Farragut Ave. . . . .	6"	204		
Hillsdale Rd. . . . .	8"	26		
Kensington Ave. . . . .	12"	40		
Laurel Ter. . . . .	6"	159		
Maple Ave. . . . .	6"	9		
Upland Road . . . . .	8"	265		
Replaced:				
Chestnut St. . . . .	6"	10	10	6"
Eustis St. . . . .	2"	118	134	2"
	1"	16		
Garfield Ave. . . . .	8"	4	4	6"
Joy St. . . . .	10"	344	344	6"
Poplar St. . . . .	10"	290	290	6"
Hydrant Branches . . . . .	6"	135	35	6" }
			23	4" }
		2,391	840	

Hydrants, Gates, etc.

Number of fire hydrants in city January 1, 1923 . . . . .	1,194
Number set during year . . . . .	38
Number removed during the year . . . . .	31
Net increase in number of hydrants . . . . .	7
Total number of public fire hydrants . . . . .	1,201
Number of private fire hydrants, January 1, 1923 . . . . .	66
Number added . . . . .	0
Total number of private fire hydrants receiving their supply from the city mains . . . . .	66



Approved  
R. M. Keys President

Ex. Committee

January 24 1882

Summit Key Stone Bank

Portland, Me. Dueson St.

To Cash for Ticket for 1st Class to Booth

for the purpose of \$10.00

Geo. Hayward

Number of gates in city, January 1, 1923 . . . . .			1,969
Number set during the year for streets . . . . .	10		
Number of section gates set . . . . .	3		
Number set on hydrant branches . . . . .	39		
Number set on blow-off branches . . . . .	0		
Number set on car-sprinkler connections . . . . .	0		
		<hr/>	52
Number of street gates removed . . . . .	1		
Number of section gates removed . . . . .	1		
Number of waterpost gates removed . . . . .	0		
Number of blow-off gates removed . . . . .	0		
Number of hydrant branch gates removed . . . . .	3		
		<hr/>	5
Net increase in number of gates . . . . .			47
Total number of gates in city . . . . .			2,016
<hr/>			
Number of check-valves in city . . . . .			8
Number of blow-offs in city January 1, 1923 . . . . .		190	
Number added during the year . . . . .	0	0	
Number discontinued . . . . .	0	0	
		<hr/>	<hr/>
Total number of blow-offs . . . . .			190
<hr/>			
Number of waterposts in city January 1, 1923 . . . . .		66	
Number removed during the year . . . . .		0	
		<hr/>	<hr/>
Total number of waterposts . . . . .			66
<hr/>			
Number of drinking fountains in city . . . . .			8
Number of car-sprinkler connections in city . . . . .			17

Water Services

Number of services in city January 1, 1923 (approximately) . . . . .			13,844
Number laid during the year . . . . .	239		
Number permanetly discontinued . . . . .	38		
		<hr/>	<hr/>
Net increase in services . . . . .			201
<hr/>			
Total number of water services in city . . . . .			14,045
Amount received for services laid in 1923 . . . . .			\$12,471.05
Number feet service pipe in city January 1, 1923 (city and private) approximately . . . . .			477,805
Number of feet laid during the year . . . . .	8,705		
Number of feet discontinued . . . . .	1,270		
		<hr/>	<hr/>
Increase in feet of service pipe . . . . .			7,435
<hr/>			
Total feet service pipe (city and private) (approximately) . . . . .			485,240
Total service mileage (approximately) . . . . .			91.9

Size, number and length of services installed in 1923 :—

108- $\frac{5}{8}$ "-4005'	110- $\frac{3}{4}$ "-3866'	11-1"-363'	1-1 $\frac{1}{2}$ "-31'
4-2"-230'	1-4"-18'	4-6"-192'	

Number of fire services installed during 1923  
(Included in above) . . . . . 6

Location of Fire Services	No.	Size
Cedar St., No. 154; White Cross Laundry Co. Factory Building . . . . .	1	6"
Highland Ave., No. 373; A. W. Hastings & Co. Warehouse . . . . .	1	6"
Leland St., Fresh Pond Ice Co., Stable . . . . .	1	6"

#### Water Meters

Number of water meters in city, January 1, 1923 . . . . .		11,447
Number installed during the year, new . . . . .	674	
Number reset . . . . .	76	
	<hr/>	
	750	
Number removed on account of permanent or temporary discontinuance of water and for substitution of other meters . . . . .	118	
Net increase in number of operating meters . . . . .		632
		<hr/>
Total number of meters in service . . . . .		12,079
Number of motor registers (included in above) . . . . .		3
Per cent. of all services metered . . . . .		86.

#### Operating Meters December 31, 1923

Size	5/8"	3/4"	1"	1 1/2"	2"	3"	4"	6"	Total
No. 11623	288	104	16	26	10	8	1		12076
Motor and elevator registers . . . . .									3
									<hr/>
									12079

The meters installed in 1923 were classed as follows:—

Applications of property owners . . . . .	42
New services . . . . .	244
General installation . . . . .	388
Reset . . . . .	76
	<hr/>
Total . . . . .	750

Meters were removed for the following causes:—

Vacancies and temporary non-use of water . . . . .	65
Services permanently discontinued . . . . .	15
Replaced by other meters . . . . .	38
	<hr/>
Total . . . . .	118

Meters installed yearly on old and new services under the State Compulsory Meterage law, which requires complete meterage of city by the year 1928:—

	Average installation required on old services	Meters set on old services	Set in excess of requirements	Total excess	Meters set on new services
1908	411	755	344	344	147
1909	411	637	226	570	201
1910	411	501	90	660	169
1911	411	528	117	777	200
1912	411	423	12	789	236
1913	411	432	21	810	255
1914	411	422	11	821	231
1915	411	439	28	849	217
1916	411	434	23	872	203
1917	411	163	248†	624	154
1918	411	82	329†	295	39
1919	411	166	245†	50	23
1920	411	115	296†	246†	45
1921	411	663	252	6	60
1922	411	67	344†	338†	181
1923	411	430	19	319†	244

† Deficiency.

The following table shows the progress of meter installation of Somerville by years and the results therefrom in water consumption:—

Year	Population	Number of Services	Number of Meters	Per Cent Metered	Per Capita Consumption (Est.)
1897	58,000	9,601	.....	.....	88
1898	59,000	9,806	143	1.5	88
1899	61,000	10,052	226	2.25	88
1900	62,000	10,291	202	2	88
1901	64,000	10,520	224	2	88
1902	66,000	10,710	269	2.5	88
1903	68,000	10,854	647	6	88
1904	69,000	11,059	1,272	11.5	89
1905	70,000	11,279	2,092	18.5	89
1906	71,000	11,489	2,829	24.5	89
1907	72,000	11,662	3,455	29.5	90
1908	74,000	11,817	4,333	36.5	89
1909	76,000	12,018	5,155	43	84
1910	78,000	12,149	5,817	48	80
1911	79,000	12,357	6,533	53	74
1912	80,000	12,596	7,171	57	79
1913	82,000	12,827	7,856	61	72
1914	85,000	13,034	8,499	65	73
1915	87,000	13,233	9,155	69	67
1916	90,000	13,420	9,763	72.75	69
1917	91,000	13,509	10,028	74.23	73
1918	91,000	13,514	10,116	74.86	80
1919	92,000	13,544	10,322	76.21	69
1920	93,033	13,554	10,472	77.26	77
1921	95,000	13,631	11,190	82.11	73
1922	96,000	13,844	11,447	82.68	76
1923	98,000	14,045	12,079	86.0	81



## Summary of Pipes and Fixtures of the Water System

December 31, 1923

Feet of main pipe (approximately) . . . . .	551,223
Feet of service pipe (approximately) . . . . .	485,240
Service connections (approximately) . . . . .	14,045
Public fire hydrants . . . . .	1,201
Private fire hydrants . . . . .	66
Gates . . . . .	2,016
Check Valves . . . . .	8
Meters . . . . .	12,079
Motor registers . . . . .	3
Waterposts . . . . .	66
Car-sprinkler connections . . . . .	17
Blow-offs . . . . .	190
Drinking fountains and troughs . . . . .	8

## 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
1913.....	24,930 94	20,691 19	70,206 83	491 92	116,320 88
1914.....	14,190 98	22,488 71	73,138 81	180 63	109,999 13
1915.....	14,164 65	21,376 07	74,111 12	1,129 50	110,781 34
1916.....	13,249 71	21,643 98	74,058 98	1,515 62	110,468 29
1917.....	13,364 71	28,110 19	75,117 17	1,833 60	118,425 67
1918.....	14,193 89	29,185 04	79,975 44	2,004 18	125,358 55
1919.....	13,765 81	33,723 64	78,335 58	2,257 87	128,082 90
1920.....	12,559 45	37,814 68	74,903 80	2,227 81	127,505 74
1921.....	11,956 69	43,942 28	75,848 98	2,241 89	133,989 84
1922.....	11,119 49	37,015 40	77,490 17	2,582 78	128,207 84
1923.....	10,716 17	42,846 98	82,407 74	3,193 26	139,164 15

---

\$2,545,161 73

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 1923:—

Month	Gallons per day	Gallons per capita	Month	Gallons per day	Gallons per capita
January .....	8,350,000	85	July .....	7,912,000	80
February .....	8,683,100	88	August .....	7,920,500	80
March .....	8,272,300	84	September ....	7,917,600	80
April .....	7,964,300	81	October .....	7,956,300	80
May .....	7,684,900	78	November ....	7,735,200	78
June .....	8,138,200	82	December ....	7,624,400	77

The consumption for the year was:—

Low-service system .....	2,286,215,000	gallons
High-service system .....	636,904,000	gallons
Total consumption .....	2,923,119,000	gallons
Average daily consumption .....	8,008,500	gallons
Average daily consumption, per capita, for Somerville .....		81 gallons
Average daily consumption, per capita, for Metropolitan district .....		97 gallons

The following table shows the daily per capita consumption of water in the cities and towns in the Metropolitan Water District for the year 1923, as registered by the Metropolitan meters:

City or Town	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
Arlington .....	53	55	53	50	56	74	64	63	70	63	51	50	58
Belmont .....	56	58	60	63	66	85	77	72	82	70	57	55	66
Boston .....	120	124	117	110	111	112	108	110	113	112	109	110	113
Chelsea .....	83	90	85	79	76	79	80	79	77	78	75	75	80
Everett .....	99	107	98	95	94	106	101	101	102	100	96	100	100
Lexington .....	52	58	57	59	68	91	74	72	75	64	54	48	64
Malden .....	57	58	57	55	53	56	55	55	58	54	50	48	55
Medford .....	54	57	56	58	66	61	60	59	58	56	53	52	58
Melrose .....	60	61	61	59	63	74	72	69	70	71	70	67	66
Milton .....	44	46	44	41	42	47	38	38	45	44	41	40	41
Nahant .....	62	63	87	92	130	229	219	202	171	105	97	69	127
Quincy .....	80	77	77	77	79	86	85	86	83	79	78	77	80
Revere .....	69	74	70	68	72	83	83	84	77	71	65	64	75
Somerville .....	85	88	84	81	78	82	80	80	80	80	78	77	81
Stoneham .....	72	78	77	75	78	81	79	79	79	70	72	67	75
Swampscott ....	53	57	56	58	69	106	122	104	101	81	68	63	79
Watertown ....	86	86	77	76	74	83	77	71	75	68	63	60	72
Winthrop .....	51	53	51	52	54	66	68	66	57	51	48	47	55
Met. Dist. ....	102	105	100	95	96	99	96	97	98	97	93	93	97

The district, in order of per capita consumption, beginning with the lowest, stands as follows for the year 1923:

	Total Per Day	Per Capita per Day	Services Metered
Milton . . . . .	452,500	41	100
Malden . . . . .	2,857,100	55	95
Winthrop . . . . .	950,100	55	99
Arlington . . . . .	1,251,100	58	100
Medford . . . . .	2,563,400	58	100
Lexington . . . . .	440,700	64	99
Belmont . . . . .	865,700	66	100
Melrose . . . . .	1,268,400	66	99
Watertown . . . . .	1,804,300	72	100
Revere . . . . .	2,255,800	75	84
Stoneham . . . . .	615,200	75	100
Swampscott . . . . .	658,500	79	100
Chelsea . . . . .	3,646,100	80	90
Quincy . . . . .	4,175,700	80	91
Somerville . . . . .	8,008,500	81	86
Everett . . . . .	4,309,200	100	80
Boston . . . . .	88,932,800	112	70
Nahant . . . . .	180,900	127	76
Total District . . . . .	125,245,000	97	

#### Operation — Construction — Maintenance

The headquarters of the operating branch of the department are at the water-works yard on Cedar street near Broadway. This is also the emergency station, with a man on duty day and night.

The branch office in the water-works building has been enlarged and greatly improved during the year. Other changes are in progress which will add much to the efficient handling of our yard supplies. Our transportation equipment has been strengthened by the substitution of two 1-ton trucks for two old-timers, worn out and discarded. Further changes in the same direction will soon be required.

Nearly a half mile of street mains were laid in the past year on new and replacement work, with a net increase of 1551 feet in the main pipe mileage making a total of 104.4 miles in the city. The principal renewal work was in Poplar street and a portion of Joy street where the 6" main was replaced with a 10" pipe, thus securing more effective fire service in that section. The start made in Joy street should be carried to completion by replacing the remainder of the old 6" pipe in the street with the larger size.

Construction work has been carried on in several streets where building operations required the extension of water mains. Every new building, where application has been made for water, has been served. The mains of the distributing system throughout the city are, so far as known, in first-class condition.

There were 239 service pipes for new buildings laid during the year, a larger number than for many years past. It would seem that the "saturation point" has now been reached, however, as there are but few areas of any considerable magnitude remaining for development. The following table gives the

**Class of Premises Covered by Service Installation:**

Apartment house . . . . .	1
Churches . . . . .	2
Convent . . . . .	1
Dwelling houses . . . . .	202
Factory building; fire pipe . . . . .	1
Garages; private . . . . .	9
Garage; public . . . . .	1
Gasoline filling station . . . . .	4
Golf course . . . . .	1
Laundries . . . . .	2
Lunch cart . . . . .	1
Milk station . . . . .	1
Office . . . . .	1
Recreation building . . . . .	1
Schoolhouse . . . . .	1
Stable; fire pipe . . . . .	1
Stores . . . . .	6
Storage warehouse . . . . .	1
Storage warehouse; fire pipe . . . . .	1
Tenements and stores; block . . . . .	1
Total service installations . . . . .	<hr/> 239

Many of the older service pipes continue to give trouble by filling up with a deposit, thus reducing the volume of water received in the houses affected. Over 1300 cases of this kind were treated during the year and it was found very difficult to keep abreast of the complaints. Many of these old pipes will need replacing as the relief gained by cleaning them out seems to be but temporary.

A net gain of 632 was made in the number of operating meters, increasing the total number in the city to over twelve thousand and making the system 86 per cent metered. 244 meters were installed in new buildings, the largest number in any one of the last ten years and with one exception the largest since the passage of the Meterage Act in 1908.



### Financial

Water income in 1923 exceeded that of any previous year, rising to over \$310,000 and showing a gain of more than \$26,000 over the former high record, with a surplus of over \$60,000 on the year's business. All department expenses are paid from water income and there were no unpaid bills at the close of the year. There is no funded debt on account of the water-works and current indebtedness is taken care of monthly. From the financial viewpoint, therefore, as well as from the physical, the department seems to be in a sound condition.

### Water Consumption

The daily per capita use of water increased in 1923 to 81 gallons, the highest for many years. This increase is reflected in the income from water rates which, as elsewhere stated, was the largest in the history of the water-works, indicating use of the water and not system leakage.

The water waste survey of the city which was begun in 1922 by the Pitometer Company of New York, was completed last year and the result of their work shows that there are no large leakages of water in the distribution system. Only one leak of major importance was discovered, where a lead joint was partly blown out allowing about 85,000 gallons a day to waste into a nearby sewer.

The report of the Pitometer Company concludes with this statement: "The system was found to be in exceptionally good condition, which reflects very favorably on the administration and workmanship of the water department".

### Additional Supply

A larger volume of water has been brought into the city by the completion during the year by the Metropolitan District Commission of an additional supply main from near Spot Pond reservoir to our local high-service distribution system, thus building up somewhat the pressure and delivery of water in the districts of the city so covered.

During the process of making the pipe connection between the two systems, while the metropolitan high-service supply was cut off, the experiment was tried of maintaining the pressure in our local high-service system by pumping water with one of our city fire engines from a low-service hydrant into a nearby hydrant on the high-service. The experiment was highly successful, the pressure over the high-

service system, covering about one-third of the city, being well kept up and the volume of water ample for the domestic purposes of the residential district supplied.

This report includes tables of interest regarding the water consumption in Somerville and other municipalities in the Metropolitan Water District; tables showing the Metropolitan assessments for water in Somerville and how expended; other conveying detailed financial and operating information with locations and kind of work performed; all of which is respectfully submitted.

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FRANK E. MERRILL,

*Water Commissioner.*





Chestnut Street	Gate on Hydrant Branch: 6' north from north line of Oxford St. and 2' 6" out from hydrant. Street Replacement: 10" main pipe in Poplar St. to connection with 6" main pipe in Chestnut St. Hydrant Removal: 25' east from Springfield St.	6"	10	6"	10	6"	Renss.	6"	Hol. G.
Concord Avenue	Hydrant: 20' east from Springfield St. Gate on Hydrant Branch: 20' east from Springfield St. and 5' north from south line of Springfield St. Gate in sidewalk 3' east from hydrant.	6"	3				6"	Renss.	"6 Coffin
Cross Street East	Street Main: From connection with 12" main pipe in Cross St. East at point 12' 4" north from south line of Pennsylvania Ave. to connection with 12" main pipe in Cross St. East at point 336' north from north line of Broadway. Gate: On south line of Pennsylvania Ave. and 13' 4" west from east line of Cross St. East. Hydrant Removal: 112' north from Middlesex Fells Parkway.	12"	276				12"	Renss.	6" Corey
Cummings Street	Hydrant: 186' north from Middlesex Fells Parkway. Gate on Hydrant Branch: 186' north from north line of Middlesex Fells Parkway and 7' out from hydrant.	6"	9	6"	9		6"	Renss.	6" Corey
Dartmouth Street	Hydrant Replacement: 183' south from Broadway. Gate on Hydrant Branch: 183' south from south line of Broadway and 4' out from hydrant.							6"	6" Corey
Edmonton Avenue	Street Main: From connection with 6" main pipe in Garfield Ave. to 8" gate located on the east line of Fellsway East. Gate: 1. On west line of Garfield Ave. 13' 4" north from south line of Edmonton Ave. 2. On east line of Fellsway East 13' 4" north from south line of Edmonton Ave. (No gate line of Edmonton Ave. (No gate box used.) Hydrant Branch: 13' 8" west from west line of Garfield Ave. and 13' 4" north from south line of Edmonton Avenue. (Hydrant not set.) Gate on Hydrant Branch: 13' 8" west from west line of Garfield Ave. and 9' 8" north from south line of Edmonton Ave. (No gate box used.) Hydrant: 8' east from east line of Fellsway East. Gate on Hydrant Branch: 8' east from east line of Fellsway East and 3' 6" out from hydrant.	8"	433				8"	Renss.	4" Hol. G.
		6"	4				6"	Renss.	6" Corey
		6"	6				6"	Renss.	6" Corey













STREET.	DESCRIPTION.	PIPE.				GATES.				HYDRANTS.				BLOW-OFFS.		WATER POSTS.	
		Laid.	Removed.	Size.	Feet.	Set.	Removed.	Kind.	Size.	Feet.	Set.	Removed.	Kind.	Size.	Rem.	Set.	Rem.
Upland Road	Street Main: From connection with 8" main pipe in Upland Rd. at point 126' west from west line of Curtis St. to temporary dead end at point 390' 6" west from west line of Curtis St. Section Gate: 358' west from west line of Curtis St. Hydrant Branch: 353' 6" west from west line of Curtis Street. Gate on Hydrant Branch: 353' 6" west from west line of Curtis St. and 9' 6" north from south line of Upland Road. Hydrant Removal: 143' north from Highland Ave. Hydrant: 70' north from Highland Ave. Gate on Hydrant Branch: 70' north from north line of Highland Ave. and 4' out from hydrant. Hydrant Replacement: 88' north from Bailey St. Gate on Hydrant Branch: 88' north from north line of Bailey St. 4' 6" out from hydrant. Hydrant: 495' west from west line of North St. (Gate on this hydrant branch installed in 1922 is 5' 6" out from hydrant.) Hydrant: 323' east from east line of Alewife Brook Parkway. (Gate on this hydrant branch installed in 1922 is 4' 6" out from hydrant.)	8"	265	8"	4	8"	5	8"	5	8"	31	6" Hol. G.	6"	0	0	0	0
West Street		6"	8	6"	4	6"	5	6"	5	6"	31	6" Corey.	6"	0	0	0	0
West Quincy St.		6"	2	6"	2	6"	2	6"	2	6"	2	6" Chap.	6"	0	0	0	0
Woods Avenue		6"	4	6"	4	6"	4	6"	4	6"	4	6" Corey	6"	0	0	0	0
			2391		840		52		5		38						0

## SUMMARY OF STATISTICS

FOR THE YEAR ENDING DECEMBER 31, 1923

In form recommended by the New England Water Works Association.

## SOMERVILLE WATER WORKS

SOMERVILLE, MIDDLESEX COUNTY, MASS.

## General Statistics

Population, census 1920, 93,033; present, estimated 98,000.

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 pressure, by the Metropolitan Water Works.

## Statistics of Consumption of Water

Census population, 1920, 93,033.

Population on lines of pipe, Dec. 31, 1923, 98,000.

Population supplied, Dec. 31, 1923, 98,000.

Total consumption for the year, 2,923,119,000 gallons.

Average daily consumption, 8,008,500 gallons.

Gallons per day to each inhabitant, 81.

## Statistics Relating to Distribution System, 1923

## MAINS

Kind of pipe, cast iron.

Sizes, from 4-inch and under to 20-inch.

Laid 2,391 feet; discontinued 840 feet; net extension, 1,551 feet.

Total now in use, 104.4 miles.

Number of hydrants added during year (public, 7; private, 0) 7.

Number of hydrants (public and private) now in use, 1,267.

Number of stop gates added during year, 47.

Number of stop gates now in use, 2,016.

Number of blow-offs, 190.

Range of pressure on mains, 35 pounds to 100 pounds.

## SERVICES

Kind of pipe: Lead; lead-lined wrought iron; cement-lined wrought iron; cast iron.

Sizes, one-half to eight inches:

Extended 3,705 feet; discontinued 1,270 feet.

Total now in use 91.9 miles.

Number of service taps added, 239; discontinued, 38; increase, 201.

Number now in use, 14,045.

Number of meters added, 750; meters and motor registers discontinued, 118; net increase, 632.

Number now in use, 12,079.

Percentage of services metered, 86.

Percentage of water receipts from metered service, 91.3.

Number of motors and elevator registers added, 0; removed, 0.

Number now in use, 3 (included in number of meters).

EXPENDITURES

REVENUE

From Water Rates:—			
Fixture rates . . . . .	25,271 31		
Meter rates . . . . .	264,940 72		
<u>Total from consumers . . . . .</u>	<u>\$290,212 03</u>		
From other sources:—			
Water service assessments . . . . .	\$12,471 05		
Labor and materials . . . . .	7,606 82		
<u>Total . . . . .</u>	<u>\$19,077 87</u>		
Special:—			
Miscellaneous accounts . . . . .	7,606 82		
<u>Total . . . . .</u>	<u>\$7,606 82</u>		
Water Works Maintenance:—			
Operation (Management, repairs and renewals) . . . . .		\$74,824 56	
Water Works Buildings . . . . .			\$82,431 38
Water Works Construction:—			
Mains . . . . .		\$9,377 35	
Services . . . . .		10,139 72	
Meters . . . . .		6,263 29	
Total construction . . . . .			\$25,780 36
Metropolitan water assessment . . . . .			139,164 15
Balance . . . . .			60,758 75
<u>Total . . . . .</u>			<u>\$310,289 90</u>
Disposition of balance: applied to municipal purposes	\$1,153,527 01		
Cost of works to date . . . . .	None		
Bonded debt at date . . . . .			

**BOARD OF HEALTH**

**ORGANIZATION — 1923**

C. A. C. RICHARDSON, M. D., *Chairman*  
WESLEY M. GOFF  
JAMES A. KILEY

**Clerk and Agent to Issue Burial Permits**

LAURENCE S. HOWARD

**Assistant Clerk**

OLIVE M. STANLEY

**Agent**

GEORGE I. CANFIELD

**Medical Inspector and Bacteriologist**

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.

**Milk Collector**

WILLIAM H. WALLIS

**Plumbing Inspector**

DUNCAN C. GREENE

**School Nurse**

GRACE M. ANDREWS, R. N.

**Assistant School Nurse**

GLADYS M. GRANT, R. N.

**Health Nurses**

HELEN B. BERRY, R. N.

MARY L. SCOTT, R. N.

GRACE E. PICKERING, R. N.

**Matron at Contagious Hospital**

LILLIAN E. GOULD, R. N.



Office of the Board of Health,  
City Hall Annex, January 1, 1924.

To His Honor, the Mayor, and the Board of Aldermen:—  
Gentlemen:—

We respectfully submit the following as the forty-sixth 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, 1923.

#### Nuisances

A record of the 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 referred from 1922 . . . . .	25
Complaints received during 1923 . . . . .	614
	<hr/>
	639
Complaints referred to 1924 . . . . .	15
	<hr/>
Nuisances abated in 1923 . . . . .	624
Second and third notices sent . . . . .	36
Received during 1923 . . . . .	614
	<hr/>
Total notices sent . . . . .	650

In addition to the above, 409 dead animals have been removed from the public streets and private premises. 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.

#### Record of Licenses and Permits Issued

*COWS.* Five applications were received for permits to keep five cows, four of which were granted.

*GOATS.* Ten applications were received for permits to keep fourteen goats, nine of which were granted to keep thirteen goats. The fee is one dollar for each goat.

*HENS.* Sixty-three applications for permits to keep 885 hens were received. Forty-six to keep six hundred and sixty-four hens were granted and seventeen permits were refused. Two licenses to keep hens were revoked.



*GREASE.* Eighteen applications were received for permits for twenty-one teams to collect grease, which were granted. The fee is two dollars for each team.

*MELTING AND RENDERING.* Three parties have been licensed to carry on the business of melting and rendering, for which a fee of one dollar is charged. One license to render under Section 154 of Chapter 111 of the General Laws was granted.

*MASSAGE AND MANICURE.* Thirty-six persons have been licensed to practice massage and manicure. The fee is one dollar for each license.

*SALE OF ALCOHOL.* The statutes provide that no person firm or corporation other than a registered druggist shall engage in the business of manufacturing, buying, selling or dealing in methyl alcohol, or wood alcohol so called or denatured alcohol, or any preparation containing more than three percent of any of the said alcohols, without being licensed so to do by the board of health.

Under the provisions of this act eighteen licenses have been issued. A fee of one dollar was received for each license.

*BOTTLING. CARBONATED BEVERAGES.* Chapter 303, Acts of 1921 provides that no person shall engage in the manufacture or bottling of carbonated non-alcoholic beverages, soda waters and mineral and spring water without a permit from the board of health. Seven such permits were granted, a fee of ten dollars being charged in each case.

#### Stables

No person has the legal right to erect, occupy or use any building in this city, as a stable, without obtaining a license from the board for such occupancy. Each application is referred to the Agent of this board and no license is granted unless all regulations of the board are complied with. The following is a record of applications received and licenses granted:

Applications pending from 1922 . . . . .	7
Applications received during 1923 . . . . .	5
	<hr/>
	12
Licenses granted . . . . .	4
Licenses refused (Applications with- drawn) . . . . .	7
	<hr/>
	11
Licenses pending . . . . .	1

## Board of Infants

Eleven applications having been made to the State Department of Public Welfare for licenses to care for children in this city were referred to this board under provisions of Chapter 119 of the General Laws, and were approved.

There were 1108 deaths and ninety-five stillbirths in the city during the year, as specified in the following table:

Deaths at Somerville Hospital . . . . .	108
Deaths at hospital for contagious diseases . . . . .	13
Deaths at home for aged poor (Highland Ave.) . . . . .	52
Deaths at city home . . . . .	11
Deaths at other institutions . . . . .	44

## Mortality in Somerville in 1923

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
<b>I. EPIDEMIC, ENDEMIC AND INFECTIOUS DISEASES.</b>													
1A Typhoid Fever .....			1										1
7 Measles .....		1		2						1			4
8 Scarlet Fever .....		1	2									1	4
9 Whooping Cough .....		5	4	1	3	1	1						15
10 Diphtheria.....	3	2	1	1	2	3		1			2	1	16
11 Influenza .....		2	3										5
21 Erysipelas .....			1		2		1	1					5
22 Acute Poliomyelitis.....											1		1
23 Lethargic Encephalitis.....												1	1
24 Cerebro-Spinal Meningitis	1			1					1				3
31 Tuberculosis of Lungs.....	5	1	7	3	2	6	3	2	2	2	6	4	43
32 Tubercular Meningitis .....							1		1			3	5
33 Tuberculosis of Intestines..			1							1			2
34 Tuberculosis of the Spine..								1				1	2
36A Miliary Tuberculosis.....			1			1							2
41 Septicaemia.....			1				1	1					3
<b>II. GENERAL DISEASES NOT INCLUDED ABOVE</b>													
43 Cancer of Buccal Cavity.....			1	1			1						3
44 Cancer of Stomach & Liver	4	4	1	1	2	2	1	1	2	6		4	28
45 Cancer of Intestines.....	1	1	2		1		1	2	1	3	1		13
46 Cancer of Female Genital Organs .....	1	2	1	3		2	1		1	1	1	2	15
47 Cancer of breast.....	1	1		1							1	1	5
49 Cancer of other Organs.....	1	2				3		2		1	1	2	12
57 Diabetes Mellitus.....	3	4	1	1		2	1		2	1	1	2	18
58A Pernicious Anæmia.....	2	1	1	1				1	1		1	1	9
65A Leukemia.....				1	1								2
65B Hodgkins Disease .....								1					1
66 Acute Alcoholism.....					2		1	1				1	6
69 Other General Diseases.....		1	1			1							3
<b>III. DISEASES OF THE NERVOUS SYSTEM AND ORGANS OF THE SPECIAL SENSE.</b>													
71A Simple Meningitis.....	2												2
71B Non-Epidemic Cerebro- Spinal Meningitis.....		1	1				1						3
74A Cerebral Hemorrhage.....	10	7	13	9	12	5	2	10	8	10	11	9	106
74B Cerebral Thrombosis.....					1								1
75A Hemiplegia.....		1			2								3
80 Infantile Convulsions .....										1	1		2
<b>IV. DISEASES OF THE CIRCULATORY SYSTEM.</b>													
88 Myocarditis .....	14	10	15	11	10	8	7	6	5	8	5	5	104
89 Angina Pectoris.....	1	2	1	1	2	2			1	3	2	2	17
90 Other Diseases of the Heart	14	5	9	6	6	4	9		6	5	11	1	76
91A Aneurysm .....											1	2	3
91B Arterio Sclerosis .....	18	11	26	19	8	7	8	10	5	7	16	13	148
91C Other Diseases of the Ar- teries.....								2					2
92 Embolism .....			1		1		1	1					4
94 Status Lymphaticus.....			1		1		1		1				4

## Mortality in Somerville in 1923—continued

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
<b>V. DISEASES OF THE RESPIRATORY SYSTEM.</b>													
99A Acute Bronchitis .....		1	1										2
99B Chronic Bronchitis.....	2		1								1		4
99C Bronchitis .....									1				1
100A Broncho Pneumonia .....	26	12	12	12	6	1	2	5	2	3	7	10	98
100B Capillary Bronchitis .....						1						1	2
101A Lobar Pneumonia.....	13	13	11	4	5	1			1	1	4	7	60
103 Pulmonary Oedema.....		2					1			1			4
105 Asthma.....	1												1
106 Hypostatic Pneumonia.....	3	2	1		1								7
<b>VI. DISEASES OF THE DIGESTIVE SYSTEM.</b>													
109 Tonsilitis .....	1												1
111A Ulcer of Stomach.....		1								1			2
113 Diarrhea and Enteritis (under 2 years).....	2		1		2			1	1	1		3	11
114 Diarrhea and Enteritis (over 2 years).....						2	1	1					4
117 Appendicitis.....	1	1				1	1		1	1			6
118A Hernia .....			1		2								3
118B Intestinal Obstruction.....						3	1		4			1	9
122B Cirrhosis of Liver .....				2		1	1	1		1	1	1	8
123 Gall Stones.....				1									1
124 Other Diseases of the Liver				1			1		1				3
126 Peritonitis.....											1		1
127 Cholecystitis.....										1			1
<b>VII. NON VENEREAL DISEASES OF THE GENITO-URINARY SYSTEM AND ANNEXA.</b>													
129 Nephritis .....	6	2	5	3	6	4	2	3	2	3		5	41
135 Diseases of the Prostate ...		1											1
<b>VIII. THE PUERPERAL STATE</b>													
144 Puerperal Hemorrhage ...		1				1							2
147 Puerperal Phlegmasia.....												1	1
148 Puerperal Eclampsia.....			1							1		1	3
<b>IX. DISEASES OF THE SKIN AND OF THE CELLULAR TISSUES.</b>													
151 Gangrene.....		2		2					1				5
152 Carbuncle .....									1				1
154 Herpes Zoster.....								1					1



## Mortality in Somerville in 1923—continued

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
X. DISEASES OF THE BONES AND OF THE ORGANS OF LOCOMOTION													
XI. MALFORMATIONS.													
159A						1				1			2
159B							1						1
159C			1			1	1	1					4
XII. EARLY INFANCY.													
160	4	3	3			1		1	2			2	16
161A	5	2	11		7	2	1	1	5	1	1	5	41
161B		1				1			1		1		4
162			1	1					1				3
XIII. OLD AGE.													
164			1	1							1		3
XIV. EXTERNAL CAUSES.													
165			1										1
167			1	1			1		1				4
170					1								1
172										1			2
179	1												4
180		1					2						2
181	1			1	1					1			3
182						1							1
183													1
185	1							1					2
188A		1		1	2	1				2		2	9
188A				1			2						3
188C		1			1	1		2	2		2	4	13
188F										1			1
194							1						1
197					1								1
XV. ILL-DEFINED CAUSES.													
Total	148	113	149	94	93	71	61	61	64	71	82	101	1108

Population estimated ..... 98,000  
 Death rate per thousand ..... 11.30



## DEATHS BY AGES

AGES.	Total.	Male.	Female.
Under one . . . . .	139	80	59
One to two . . . . .	29	12	17
Two to three . . . . .	16	7	9
Three to five . . . . .	18	9	9
Five to ten . . . . .	25	9	16
Ten to fifteen . . . . .	9	3	6
Fifteen to twenty . . . . .	17	8	9
Twenty to thirty . . . . .	43	22	21
Thirty to forty . . . . .	53	19	34
Forty to fifty . . . . .	70	29	41
Fifty to sixty . . . . .	146	79	67
Sixty to seventy . . . . .	200	81	119
Seventy to eighty . . . . .	218	82	136
Eighty to ninety . . . . .	106	46	60
Ninety and over . . . . .	19	4	15
<b>Total . . . . .</b>	<b>1108</b>	<b>490</b>	<b>618</b>

Table of Deaths During the Last Ten Years

Year.	No. of Deaths.	Rate per 1,000
1914 . . . . .	990	11.65
1915 . . . . .	1,003	11.55
1916 . . . . .	1,081	12.01
1917 . . . . .	1,067	11.85
1918 . . . . .	1,533	16.84
1919 . . . . .	1,074	11.30
1920 . . . . .	1,137	12.22
1921 . . . . .	986	10.38
1922 . . . . .	1,019	10.41
1923 . . . . .	1,108	11.30
Average death rate per 1000 for ten years . . . . .		11.95

Table Showing the Five Principal Causes of Death in Somerville in 1923

HEART DISEASE.		PNEUMONIA ALL FORMS.		ARTERIO SCLEROSIS		APOPLEXY.		CANCER	
Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.
197	20.10	165	16.83	148	15.10	106	10.81	76	7.75



### Diseases Dangerous to the Public Health

This board has adjudged that the diseases known as actinomycosis, anterior poliomyelitis, anthrax, Asiatic cholera, cerebro-spinal meningitis, chicken pox, diphtheria, dog-bite (requiring anti-rabic treatment), dysentery, German measles, glanders, hookworm disease, infectious disease of the eye, influenza, leprosy, malaria, measles, mumps, pellagra, plague, pneumonia (Lobar only), rabies, scarlet fever, septic sore throat, small pox, tetanus, trichinosis, tuberculosis (all forms), typhoid fever, typhus fever, whooping cough, 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 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.

### Specimens and Supplies

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:

Edward Edwards, 25 Union Square.  
R. A. Peckham, 154 Perkins Street.  
Richardson Pharmacy, 310 Broadway.  
Ernest B. McClure, 529 Medford Street.  
George E. Wardrobe, 693 Broadway.  
Willis S. Furbush & Co., 1153 Broadway.  
Hall Drug Co., Hobbs Building, Davis Square  
John Morrison, 288 Highland Avenue.

Hereafter the Agent of this Board will collect, daily, at five o'clock, p. m., all specimens left at culture stations for examination, prior to that hour.

Physicians desiring reports on the following day, of specimens taken after this collection has been made must deposit the same at the City Hall Annex, in the receptacle provided, before nine-thirty p. m.

Results of all examinations of specimens received at the City Hall Annex prior to nine-thirty p. m., will be reported to the physicians on the following morning.



## Medical Inspection at Schools

The medical inspection of the schools of Somerville which was instituted in December, 1907, has been continued during the year. The value of the system has been constantly demonstrated, and the work has been done in a very satisfactory manner. There has been harmony of action between the board of health and the school board, and the school principals and teachers have very generally co-operated with the inspectors in making the system as successful as possible.

The inspectors make daily visits to the schools under their charge, and to them are referred all children who show evidences of disease or abnormal conditions. Children who are found to be unfit to remain in school are sent home, accompanied by a slip properly filled out advising that the family physician be consulted. The inspectors also make an annual inspection of all the children in the schools, and any defects discovered are called to the attention of the parents. Monthly inspections of the school buildings and premises are made, and suggestions or criticisms are referred to the proper authorities. Every effort is made to protect the health of the children and to co-operate with the parents in keeping the children in as normal a condition as possible.

In accordance with the provisions of the statute, tests of sight and hearing are made by the principals or teachers.

## District No. 1

*Inspector* Dr. Francis Shaw, 57 Cross Street.  
*Schools* Eastern Junior High, Prescott, Hanscom, Edgerly and Boys' Vocational Schools.

## District No. 2

*Inspector* Dr. Edward J. Dailey, 46 Bow Street.  
*Schools* Baxter, Knapp, Perry and Southern Junior High Schools.

## District No. 3

*Inspector* Dr. Walter Jellis, 1028 Broadway.  
*Schools* Bennett, Pope, Cummings and Proctor Schools.

## District No. 4

*Inspector* Dr. W. L. Bond, 322 Highland Avenue.  
*Schools* Morse, Carr, Durell, Burns and Girls' vocational Schools.

## District No. 5

*Inspector* Dr. H. M. Stoodley, 283 Highland Avenue.  
*Schools* Brown, Bingham, Forster and Northern  
 Junior High Schools.

## District No. 6

*Inspector* Dr. H. Cholerton, 94 College Avenue.  
*Schools* Western Junior High, Lincoln, Highland,  
 Cutler and Lowe Schools.

## District No. 7

*Inspector* Dr. E. F. Sewall, 281 Broadway.  
*Schools* Glines and High Schools.

*Inspector* Dr. M. W. White, 21 Walnut Street.  
*Schools* Parochial.

During the year 7,767 children have been referred to the inspectors during their daily visits, and 608 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:—		
Chicken Pox . . . . .		55
Measles . . . . .		23
Mumps . . . . .		79
Scarlet Fever . . . . .		4
Whooping Cough . . . . .		8
Diphtheria . . . . .		4
		<hr/>
Total . . . . .		173
2. Diseases of the nose and throat:—		
Enlarged tonsils and adenoids . . . . .		765
Inflammatory diseases . . . . .		244
Other abnormal conditions . . . . .		34
		<hr/>
Total . . . . .		1,043
3. Diseases of the eyes:—		
Inflammatory conditions . . . . .		22
Foreign bodies . . . . .		0
Other abnormal conditions . . . . .		37
		<hr/>
Total . . . . .		59
4. Diseases of the ears:—		
Inflammatory conditions . . . . .		47
Other abnormal conditions . . . . .		10
		<hr/>
Total . . . . .		57



## 5. Diseases of the skin:—

Eczema . . . . .	72
Herpes . . . . .	36
Impetigo . . . . .	199
Pediculosis . . . . .	262
Scabies . . . . .	56
Tinea . . . . .	3
Miscellaneous conditions . . . . .	228

<b>Total . . . . .</b>	<b>856</b>
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## 6. Miscellaneous diseases:—

Diseases of the circulatory system . . . . .	12
Diseases of the digestive system . . . . .	102
Diseases of the lymphatic system . . . . .	60
Diseases of the nervous system . . . . .	16
Diseases of the respiratory system . . . . .	83
Wounds and injuries . . . . .	75
Diseases of the teeth . . . . .	26
Other conditions . . . . .	14
<b>Total . . . . .</b>	<b>388</b>
Total number of diseases reported . . . . .	2,576
Vaccinations performed . . . . .	143
Examinations for vaccinations . . . . .	1,161
Certificates to work . . . . .	221

**Bacteriological Work**

The report of the work of this department is made by Frank L. Morse, M. D., on a subsequent page and becomes a part of this report.

**Undertakers**

Under the provisions of Section 49 of Chapter 114 of the General Laws, twenty-six persons have been duly licensed as undertakers.

**Examination of Plumbers**

The public statutes provide for a board of examiners of plumbers, consisting of the chairman of the board of health, the inspector of buildings, and an expert at plumbing, to be appointed by the board of health. This board appointed Duncan C. Greene, the inspector of plumbing, to fill the place of expert. The number of licenses granted will be found in the report of the inspector of buildings.

**Health Nurses**

There are at present five nurses employed by this board. Two of these are employed as school nurses and the work of the others consists of follow-up work regarding tuberculosis cases and post-natal baby hygiene work.

The reports of the school nurses are made a part of the report of the School Committee and those of the other nurses are made a part of this report being submitted in detail in subsequent pages.

#### Infant Hygiene Clinics

During the past year under the supervision of this board, clinics have been held every Thursday afternoon at the Bennett Schoolhouse and every Friday afternoon at the Bingham Schoolhouse except when those days were holidays. 618 babies have been under supervision at these clinics. The average weekly attendance at the Bennett Schoolhouse was 40 and at the Bingham Schoolhouse 60.

This work is of inestimable value and the results are very far reaching.

C. A. C. RICHARDSON,

WESLEY M. GOFF,

JAMES A. KILEY,

*Board of Health.*

*Attest:*

LAURENCE S. HOWARD, Clerk.

## REPORT OF HEALTH NURSES

Somerville, Mass.,

January 1, 1924.

To the Board of Health,  
Somerville, Mass.,

Gentlemen:—

We submit the following report of work performed by us in infant hygiene, post natal and tuberculosis cases for the year ending December 31, 1923.

## Infant Hygiene

Infants reported as born in Somerville during 1923 . . . . .	1647
Infants born elsewhere resident in Somerville . . . . .	239
Pairs of twins born in Somerville . . . . .	15
Sets of triplets born in Somerville . . . . .	1
Still-births in Somerville . . . . .	89
Infants who moved away from Somerville . . . . .	263
Infants reported with Ophthalmia Neonatorum . . . . .	5
Infants reported with Conjunctivitis . . . . .	10
Infants reported with Infantile Paralysis . . . . .	3

There were one hundred and thirty-nine deaths of infants under one year of age in Somerville during the past year as shown in the following table:

Prematurity . . . . .	29
Congenital diseases . . . . .	24
Intestinal diseases (Breast fed 1—Artificially fed 6) . . . . .	7
Accidental injury . . . . .	2
Pneumonia and other diseases . . . . .	56
Infants dying in Somerville residence elsewhere . . . . .	21
<b>Total . . . . .</b>	<b>139</b>
Infants under supervision at Baby Welfare Clinics	
Jan. 1, 1923 . . . . .	435
Registration during 1923 . . . . .	183
<b>Total under supervision during 1923 . . . . .</b>	<b>618</b>

## Tuberculosis

Pulmonary tuberculosis cases reported in 1923 . . . . .	109
Other forms of tuberculosis reported in 1923 . . . . .	22
Patients admitted to Sanatoria . . . . .	66
Patients previously reported in Sanatoria . . . . .	40
Deaths in Somerville (Pulmonary 43—Other Forms 11) . . . . .	54
Deaths in Sanatoria 24—Discharged 30 . . . . .	54
Patients now in Sanatoria . . . . .	52
Patients temporarily out of Somerville . . . . .	15
Patients who have moved away from Somerville . . . . .	39

TABLES SHOWING AGES AND SEX OF CASES IN THIS CITY.  
Pulmonary Tuberculosis.

Ages	SEX		Total
	Male	Female	
Under fifteen years.....	2	0	2
From fifteen to twenty years.....	0	4	4
From twenty to thirty years.....	13	16	29
From thirty to forty years.....	6	9	15
Over forty years.....	15	6	21
Total .....	36	35	71

Other Forms of Tuberculosis.

Ages	SEX		Total
	Male	Female	
Under fifteen years .....	5	3	8
From fifteen to twenty years .....	3	1	4
From twenty to thirty years.....	1	1	2
From thirty to forty years.....	1	1	2
Over forty years.....	0	0	0
Total .....	10	6	16

Miscellaneous.

Typhoid Fever cases reported (died 1) . . . . . 10

Recapitulation of Visits.

Baby Hygiene . . . . .	8638
Tuberculosis . . . . .	715
Miscellaneous . . . . .	532
Total visits . . . . .	9885

Respectfully submitted,

HELEN B. BERRY,  
MARY L. SCOTT, R. N.,  
GRACE E. PICKERING, R. N.  
Health Nurses.

## REPORT OF DEPARTMENT OF MEDICAL INSPECTION

Somerville, Mass.,  
January 1, 1924.

To the Board of Health,  
Somerville, Mass.

Gentlemen:—

I herewith present the report of the Department of Medical Inspection for the year 1923 including statistics of the Contagious Hospital.

## Visits

Scarlet Fever—Each case must be inspected before release from quarantine to see that the condition of the patient is suitable for release . . . . .	237
Diphtheria—Before patients are released from quarantine two successive negative cultures must be obtained . . . . .	170
Contagious Hospital . . . . .	365
	<hr/>
Total number of visits . . . . .	772

## Contagious Disease Hospital

Disease	In Hospital Jan. 1, 1923	Ad- mitted	Discharged Well or imprved	Dead	Hospital Jan. 1, 1924
Diphtheria . . . . .	8	111	107	8	4
Scarlet Fever . . . . .	8	109	98	2	17
Miscellaneous . . . . .	0	7	4	3	0

The daily average of patients was 10.8.

## LABORATORY EXAMINATIONS

## Diphtheria

	Negative	Positive	Total
January . . . . .	89	11	100
February . . . . .	78	17	95
March . . . . .	113	28	141
April . . . . .	98	33	131
May . . . . .	101	18	119
June . . . . .	92	19	111
July . . . . .	40	3	43
August . . . . .	26	1	27
September . . . . .	52	3	55
October . . . . .	103	10	113
November . . . . .	74	12	86
December . . . . .	130	20	150
	<hr/>	<hr/>	<hr/>
Totals . . . . .	996	175	1171



## Tuberculosis

	Negative	Positive	Total
January . . . . .	11	4	15
February . . . . .	6	3	9
March . . . . .	12	2	14
April . . . . .	20	2	22
May . . . . .	10	2	12
June . . . . .	7	2	9
July . . . . .	9	1	10
August . . . . .	3	0	3
September . . . . .	13	3	16
October . . . . .	3	1	4
November . . . . .	10	3	13
December . . . . .	17	6	23
Totals . . . . .	121	29	150

## Typhoid

	Negative	Positive	Total
January . . . . .	3	0	3
February . . . . .	2	0	2
March . . . . .	2	0	2
April . . . . .	2	0	2
May . . . . .	3	0	3
June . . . . .	3	0	3
July . . . . .	1	0	1
August . . . . .	7	0	7
September . . . . .	3	2	5
October . . . . .	0	0	0
November . . . . .	5	1	6
December . . . . .	5	0	5
Totals . . . . .	36	3	39

Examinations made for Malaria, Ophthalmia, Paratyphoid, Gonorrhoea and Pneumonia . . . . .	18
Total examinations . . . . .	1378

## Tuberculosis

During 1923 there were 54 deaths from Tuberculosis including all forms, 43 of which were of the pulmonary type. This record shows an increase over the previous year when 32 deaths were reported.

All patients ill with the disease coming to the attention of the board have either been supervised at their homes by the Public Health Nurses, or have been placed in sanatoria when such treatment was needed.

The tuberculosis ward at the Contagious Hospital which was closed on September 1, 1921, still remains closed, as there has been no apparent necessity of its being reopened.

#### Infant Hygiene Clinics

On January 1, 1922 the board with the approval of His Honor the Mayor, assumed the care of the Infant Hygiene Clinics previously maintained by Somerville Chapter of the American Red Cross. These clinics have been held on Thursday afternoon at the Bennett School and Friday afternoon at the Bingham School throughout the year. An average attendance of 60 at the Bingham School and 40 at the Bennett School has been attained. 618 new babies have been under supervision at the clinics where advice has been given to the mothers by the attending physician, and in many instances the infants have been visited at home by the Public Health Nurses in order that the advice may be properly followed out. This work is unquestionably of great value in conserving the health of new born infants.

Respectfully submitted,

FRANK L. MORSE,

Medical Inspector and Bacteriologist.

## REPORT OF THE INSPECTOR OF ANIMALS AND PROVISIONS

Somerville, Mass.,

January 1, 1924

To the board of Health,  
Somerville, Mass.

Gentlemen:—

I submit the following as my report for the year ending December 31, 1923.

## Inspections

The following table shows the number of inspections made during the past year. In order to safeguard the consumer, all establishments handling foodstuffs are under constant supervision. Lunch carts and restaurants have been inspected weekly.

Under the provisions of the General Laws of 1920 all bakeries are required to register with the board of health. The law provides that all doors and windows shall be properly screened and that all food exposed for sale shall be kept covered. Careful inspections of all bakeries have been made to see that this law has been complied with.

All the factories in the city have been inspected monthly.

The Barber Shops are under very careful inspection and must be kept in a sanitary condition, and the barbers are required to keep themselves neat and clean and to properly sterilize their instruments.

## Number of Inspections

Bakeries . . . . .	475	Milk and Cream plants	133
Barber shops . . . . .	510	Pedlers and Wagons and stock . . . . .	2708
Billiard Halls and Bowl- ing alleys . . . . .	122	Public Halls . . . . .	65
Blacksmiths' shops . . . . .	14	Rendering plants . . . . .	101
Candy and Ice Cream plants . . . . .	170	Slaughter houses . . . . .	316
Factories . . . . .	210	Stores and markets . . . . .	4795
Fish markets . . . . .	701	Stables . . . . .	258
Hen houses and yards . . . . .	244	Theatres . . . . .	88
Hide houses . . . . .	4	Vacant lots and dumps	9
Lunch rooms and cars	877	Yards and cellars . . . . .	680

## Articles Condemned

The following is a list of the articles condemned:

Fish	
Haddock . . . . .	400 lbs.
Halibut . . . . .	204 lbs.
Mackerel . . . . .	447 lbs.
Salmon . . . . .	127 lbs.
Smelts . . . . .	33 lbs.
Sword Fish . . . . .	94 lbs.

Fruit	
Apples . . . . .	4 bus.
Bananas . . . . .	32 doz.
Blackberries . . . . .	18 qts.
Cantaloupes . . . . .	13 cts.
Grape Fruit . . . . .	11½ box
Grapes . . . . .	15 bas.
Grapes . . . . .	4 box
Oranges . . . . .	27½ box
Pears . . . . .	2 bas.
Raspberries . . . . .	23 qts.
Strawberries . . . . .	554 qts.

Meats	
Beef (corned) . . . . .	371 lbs.
Beef (fresh) . . . . .	138 lbs.
Fowl . . . . .	726 lbs.
Frankfurts . . . . .	5 lbs.
Hamburg steak . . . . .	160 lbs.
Lamb . . . . .	407 lbs.
Liver . . . . .	9 lbs.
Pork (fresh) . . . . .	58 lbs.
Sausages . . . . .	28 lbs.
Shoulder (corned) . . . . .	6¾ lbs.
Turkey . . . . .	106 lbs.
Veal . . . . .	106 lbs.

Vegetables	
Beans (string) . . . . .	12½ bus.
Beans (string) . . . . .	2 bas.
Beets . . . . .	2 bus.
Carrots . . . . .	1 bus.
Cucumbers . . . . .	1½ bus.
Cucumbers . . . . .	3 bas.
Cucumbers . . . . .	50
Greens . . . . .	27 bus.
Lettuce . . . . .	5 box
Lettuce . . . . .	8 doz.
Onions . . . . .	4½ bus.
Potatoes (white) . . . . .	2 bbl.
Potatoes (white) . . . . .	10 bus.
Potatoes (sweet) . . . . .	4 bbl.
Squash . . . . .	1 bbl.
Turnips . . . . .	7 bus.

Miscellaneous

Candy . . . . .	170 lbs.
Eggs . . . . .	14 doz.
Lard . . . . .	20 lbs.
Lemon filling . . . . .	138 pkg.
Macaroni . . . . .	147 pkg.

Slaughter Houses

During the year weekly inspections have been made at all slaughtering establishments and these plants were never in a more sanitary condition than at present.

The number of animals slaughtered during 1923 in this city was greater than during previous years.

Number of Animals Slaughtered in 1923

Swine . . . . .	1,046,238
Sheep . . . . .	329,912
Calves . . . . .	72,805
Cattle . . . . .	34,032
	<hr/>
	\$1,482,987

Examination of Animals for Contagious Diseases

During the last year the city was entirely free from contagious diseases in animals, except three cases of rabies.

Animals Examined

	Inspected	Quaran- tined	Killed	Released
Horses . . . . .	1993	0	0	0
Cows . . . . .	5	0	0	0
Goats . . . . .	14	0	0	0
Dogs . . . . .	26	26	3	23
	<hr/>	<hr/>	<hr/>	<hr/>
	2,038	26	3	23

Respectfully submitted,

CHARLES M. BERRY,

Inspector of Animals and Provisions.



## REPORT OF THE INSPECTOR OF MILK AND VINEGAR

Chemical and Bacteriological Laboratory,  
City Hall Annex,  
Somerville, Mass.

January 1, 1924.

To the Board of Health,  
Somerville, Mass.

Gentlemen:—

I herewith present my annual report for the year ending December 31, 1923.

On the above date there were licensed to sell milk, 700 stores and 55 dealers; and 113 stores were registered to sell oleomargarine an increase over the previous year of 11 stores selling milk and 13 dealers handling oleomargarine. 19 dealers who were distributing milk either discontinued business or ownership was transferred.

Of the 55 dealers handling milk and cream, 26 were located in Somerville and 29 were located in neighboring cities. 47 dealers are pasteurizing according to the General Laws, 6 dealers sell cream exclusively, and 2 dealers handle only raw milk. There are approximately 36,000 quarts of milk and 2500 quarts of cream distributed in Somerville daily.

The following tables 1, 2, 3, are a summary of the work of the department for the year.

Table 1.

Months.	License Applications	License Fees.	Analytical Fees.	Cash Paid City Treas.	Analyses on Account.	Total Income for Dept.
January .....	13	6.50	.50	7.00	5.00	12.00
February .....	9	4.50	.....	4.50	12.00	16.50
March .....	12	6.00	2.50	8.50	9.00	17.50
April .....	24	12.00	.....	12.00	29.50	41.50
May .....	531	265.50	1.50	267.00	64.00	331.00
June .....	145	72.50	.....	‡71.50	54.50	126.00
July .....	38	19.00	.....	19.00	29.00	48.00
August .....	32	16.00	.....	16.00	19.00	35.00
September .....	17	8.50	.....	8.50	164.00	172.50
October .....	21	10.50	.....	10.50	157.00	167.50
November .....	14	7.00	1.00	8.00	164.50	172.50
December .....	15	7.50	5.00	12.50	169.50	182.00
Total .....	871	435.50	10.50	445.00	877.00	1322.00

‡Rebate 2 applications refused \$1.00.

Table 2

## Samples of Milk, Cream, Ice Cream and Vinegar Examined.

Months.	Chemical Samples Collected.	Bact. Collections.	Lorenz Tests.	Total Collections.	Samples Submitted	Total Examinations.
January .....	184	85	85	354	9	363
February .....	174	52	54	280	24	304
March .....	229	54	54	337	14	351
April.....	255	44	44	343	52	395
May .....	269	45	45	359	128	487
June .....	280	51	50	381	109	490
July....	258	47	49	354	58	412
August .....	171	16	40	227	38	265
September.....	197	58	58	313	267	580
October .....	263	42	42	347	324	671
November .....	151	39	39	229	329	558
December .....	112	13	13	138	339	477
Total.....	2543	546	573	3662	1691	5353

Table 3.

Months.	Chemical Notices.	Bact. Notices.	Sanitary Notices.	Temperature Notices.	Total Notices.	Inspections.
January .....	8	13	2	2	25	39
February .....	7	6	.....	.....	23	62
March .....	13	12	10	.....	30	41
April.....	9	23	5	.....	32	51
May .....	15	5	.....	.....	21	19
June .....	17	8	1	.....	27	42
July .....	29	8	2	2	43	72
August.....	17	4	4	4	31	70
September.....	11	8	6	.....	24	40
October .....	7	8	5	.....	17	49
November .....	.....	3	2	.....	4	50
December .....	.....	3	1	.....	3	35
Total.....	133	101	38	8	280	570

Each month during the year pint samples have been taken from every milk dealer and analyzed for food value (fats and solids) and cleanliness (bacterial count and sediment) and the yearly average is shown in the alphabetical list of dealers which follows:

The higher the fat and solids the greater the food value. The lower the bacterial count, the greater care in production, better handling or more efficient pasteurization is shown.

## Regular Market Milks

Name of Dealer	Butter Fat Legal Standard 3.35 p.c.	Total Solids Legal Standard 12.00 p.c.	Per C. C.		Heated or Raw
			Maximum Allowed Raw 500,000 Past. 100,000		
S. D. Allen .....	3.72	12.32	88,000		Past.
Andrews Milk Co. ....	3.54	12.10	81,600		Past.
H. E. Bemis .....	3.67	12.25	57,300		Past.
J. A. Bergman .....	4.00	12.49	54,000		Past.
E. E. Breen .....	3.53	12.09	124,400		Past.
Brown & Conant .....	3.52	12.06	145,300		Past.
F. S. Cummings Co. ....	3.73	12.24	72,200		Past.
J. T. Connor Co. ....	4.10	12.85	152,000		Past.
L. M. Dolloff .....	3.97	12.71	120,000		Past.
F. C. Edgerly .....	3.75	12.34	201,300		Past.
F. E. Giles Dairy .....	3.64	12.24	102,400		Past.
J. E. & H. J. Giroux .....	3.69	12.24	186,300		Past.
B. J. Griffin .....	3.50	12.01	149,900		Past.
J. P. Griffin .....	3.53	12.04	122,000		Past.
J. M. Hager & Son, Inc....	3.74	12.42	173,600		Past.
M. B. Harris .....	3.58	12.14	228,500		Past.
H. P. Hood & Sons .....	3.84	12.37	36,000		Past.
Herlihy Brothers .....	3.89	12.49	181,200		Past.
Kendall Brothers .....	3.60	12.14	93,500		Past.
Maple Farm Milk Co. ....	3.69	12.27	109,000		Past.
E. M. Monahan .....	3.64	12.23	66,400		Past.
W. F. Noble & Sons Co....	3.96	12.64	67,100		Past.
S. E. Paige .....	3.59	12.22	30,000		Past.
T. F. Ronayne .....	3.53	12.04	124,000		Past.
S. J. Scott .....	3.47	12.09	46,600		Past.
Seven Oaks Dairy Co. ....	3.82	12.45	64,600		Past.
H. L. Stone .....	3.65	12.27	38,500		Past.
W. E. Stuart .....	3.84	12.55	45,000		Past.
Swenson Brothers .....	3.82	12.54	17,100		Past.
G. E. Thompson .....	3.52	12.03	90,100		Past.
Turner Centre System ....	3.87	12.57	85,500		Past.
A. S. Tyler .....	3.51	12.09	100,600		Past.
Whiting Milk Co. ....	3.71	12.38	133,300		Past.
C. A. Woodbury .....	3.68	12.42	53,800		Past.
C. L. Woodland .....	3.59	12.16	92,000		Past.



## Special Priced Milks

Milk commanding an increased price due to special care in production or greater food value.

Dealer	Butter	Fat	Total Solids	Bacteria	
F. S. Cummings Co....	5.19		14.66	125,700	Mixer Farm
F. S. Cummings Co....	3.76		12.28	110,300	Baby
F. S. Cummings Co....	3.82		12.39	74,300	Grade A.
F. S. Cummings Co....	3.75		12.53	50,400	Codman Farm
J. M. Hager & Son....	4.09		12.95	36,700	Grade A.
H. P. Hood & Sons....	4.26		13.16	10,600	Hood Farm
H. P. Hood & Sons....	4.13		13.16	10,900	Bonnie Brook
H. P. Hood & Sons....	4.06		12.65	47,700	Grade A.
H. P. Hood & Sons....	4.26		13.33	11,400	Cherry Hill
Herlihy Brothers.....	4.06		12.59	166,000	Grade A.
W. F. Noble & Sons	4.72		14.29	5,700	Blossom Hill
W. F. Noble & Sons	4.13		12.87	41,500	Grade A.
Seven Oaks Dairy Co.	4.02		12.64	83,100	Grade A.
Seven Oaks Dairy Co.	3.84		12.39	24,700	Special
W. E. Stuart.....	3.91		12.62	52,200	Grade A.
Whiting Milk Co.....	3.88		12.65	6,100	Hampshire Hills
Whiting Milk Co.....	4.27		12.69	46,200	Grade A.

"Pasteurized Milk" is defined by the General Laws as follows:

Natural cows milk not more than 72 hours old, when pasteurized, subjected for a period of *not less* than thirty minutes to a temperature of *not less* than one hundred and forty *nor more* than one hundred and forty-five degrees Fahrenheit and *immediately* thereafter cooled to a temperature of fifty degrees Fahrenheit or lower.

"Grade A. Massachusetts Milk" is defined as follows:

"Grade A. Massachusetts Milk" shall consist exclusively of milk produced within the Commonwealth from healthy cows under cleanly and sanitary conditions, and so cooled and cared for that in its raw state the bacterial count shall not average more than 100,000 per c. c., upon examination of five samples taken one each day, and each from a different lot of milk, on five consecutive days; when sold, kept or offered for sale or exchanges, such milk shall be designated and marked by a label, cap or tag bearing the words "Grade A. Massachusetts Milk" in plain legible bold faced type. The percentage of milk fat may also be stated upon said label, cap or tag, but the amount of milk fat shall never be less than the standard fixed for milk.

Many special milks are sold by various dealers who claim superior quality for their goods. At the present time this department exercises no greater supervision over the "special

milks" than is accorded the regular "market milk" with the exception of the "Grade A. Massachusetts Milk." One dealer handles this grade exclusively.

During 1923 license and analytical fees totaled \$1322.00 an increase over the previous year of \$598.00. During 1922 there were 4456 analyses of milk, vinegar, cream and ice cream. During 1923 there were 5353 analyses of these products an increase over the previous year of 897.

Prosecutions were confined to milk found to be adulterated, and two dealers were refused a permit to sell milk in Somerville, as they could not comply with the milk regulations of the city.

On January 1, 1923 the following regulation became operative:—

"No person shall in the city of Somerville sell, exchange or deliver or have in his custody or possession with intent to sell, exchange or deliver milk brought into said city unless the cows from which said milk was produced, or, in case said cows are in a herd of cattle, all the cattle of such herd have been tested within six months prior thereto by the tuberculin test as established under the laws of Massachusetts and have been certified not to react to the tuberculin injection and to be otherwise healthy. This regulation shall not apply to pasteurized milk. This regulation shall take effect January 1, 1923.

Whoever violates the foregoing regulation shall forfeit not more than one hundred dollars."

Since January 1, 1923 with the exception of two producers who sell milk from cattle certified by the Department of Animal Industry as free from tuberculosis, three dealers who buy milk from accredited dairies, and the certified milks, all the milk sold in Somerville is pasteurized.

It is the aim of this department to make any and all milks sold in this city safe and wholesome for all.

#### Recommendations

1. Each year it becomes more important that processing plants, creameries and in many instances dairies, should receive constant supervision; and I suggest that provision be made for an inspector who could give his entire time to this work.

2. It is also desirable that some means be provided to control at all times the conditions under which milk is pasteurized; and I suggest the need of legislative action to provide



for the registration of operators of pasteurizing machines or to provide inspectors for all pasteurizing plants similar to the manner by which slaughtering establishments are now supervised.

3. At the present time "special milks" are not guaranteed by health authorities.

I believe the present law should be changed so that a dealer wishing to sell a special milk at an increase in price for the reason that it has greater food value or is produced under more sanitary conditions, *shall be required* to apply to the Milk Department in the district where same is to be sold, for a permit to sell such milk under definite standards defined by that department.

The milk department of Somerville desires to express its appreciation of the co-operative spirit shown and courtesies extended by the co-workers in the Health Department, and the many departments of this city with whom contact is necessary in carrying on the work of milk inspection.

Respectfully submitted,

HERBERT E. BOWMAN,  
Inspector of Milk and Vinegar.

**PUBLIC LIBRARY**

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**BOARD OF TRUSTEES**

THOMAS M. DURELL, M. D., President, 1925

J. FRANK WELLINGTON, Vice-President, 1926

FREDERICK W. PARKER, 1924

DAVID H. FULTON, 1924

(deceased)

LEON M. CONWELL, 1924

ALBERT L. HASKELL, 1925

WILLIAM L. BARBER, 1925

HERBERT E. BUFFUM, M. D., 1926

FRANK M. BARNARD, 1926

GILES W. BRYANT, M. D., 1924

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**COMMITTEES**

**On Administration**

The President, Messrs. Wellington, Parker, Conwell, Buffum, Haskell,  
and Fulton

**On Books and Cataloguing**

The President, Messrs. Barber, Buffum, Bryant, and Barnard

**On Buildings and Property**

The President and the Vice-President

---

**Secretary of the Board**

GEORGE H. EVANS

## ORGANIZATION OF LIBRARY AND STAFF PERSONNEL

GEORGE H. EVANS, Librarian

NELLIE M. WHIPPLE, Assistant Librarian

VIVIAN J. MORSE, Executive Assistant

## CENTRAL LIBRARY AND LIBRARIAN'S OFFICE

Highland Avenue and Walnut Street

## GRADED SERVICE

## Department Heads and Special Positions

CORA B. EAMES, Reference Librarian and Second Assistant

GLADYS B. HASTINGS, Supervisor of Children's Work

NELLY CUMMING, Chief Cataloguer

MARY S. WOODMAN, Reviewer and Classifier

MYRTLE NICHOLSON, Supervisor of Periodicals and Binding

MARION J. MESERVE, School Librarian

\_\_\_\_\_ Reference Assistant

\_\_\_\_\_ Desk Chief

\_\_\_\_\_ Assistant Cataloguer

## Senior Assistants

MILDRED A. BOWLEY, Circulation Department

LORNA W. SMITH, Circulation Department

CORINNE MEAD, Circulation Department

GRACE N. SMITH, Circulation Department

ALICE W. HAMILTON, Children's Room

## Junior Assistants

\_\_\_\_\_ Circulation Department

\_\_\_\_\_ Children's Room

## Ungraded Service

GWENDOLYN DUNN, Page

HAZEL M. WYTHE, Page

## Attendants on Part Time

WILMOT W. JONES

RALPH H. HATFIELD

EWING SPERING

HENRY WILLIAMSON

MARION A. GROUT



## UNION SQUARE BRANCH

Established 1912

Washington Street and Bonner Avenue

## GRADED SERVICE

ALICE G. WORTHEN, Branch Librarian

---

First Assistant

KATHERINE I. EATON, Children's Librarian

## Junior Assistant

ELSIE L. KNOX, Circulation Department

## UNGRADED SERVICE

## Attendants on Part Time

DOROTHY A. JONES

EMMA J. MCGLONE .

CHARLES KELLEY

FANNY SPIVACK

MIRIAM P. BROWN

EDWARD KELLEY

## MEMBERS OF THE TRAINING CLASS

C. EVELYN BAMFORD

MIRIAM G. HOWARD

ELSIE UMPLEBY

MARGARET WENTWORTH

NOTE: For changes in staff personnel during year see Librarian's Report.



### Report of the Trustees

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

Gentlemen: The fifty-first annual report of the trustees of the public library is herewith respectfully submitted; being the report of the librarian and tables of statistics of operation.

Very respectfully,  
The Board of Trustees, by  
THOMAS M. DURELL,  
President.

## REPORT OF THE LIBRARIAN

Gentlemen of the Board of Trustees :

The fifty-first annual report of the Somerville Public Library, being that for the year 1923, is herewith submitted.

It is fitting that we should chronicle with profound regret the deaths of two former members of the Board. Frederick W. Parker died in March. He had served continuously since 1901, with an almost unbroken record of attendance. An appropriate expression of appreciation of his services has been inscribed in the records of the Trustees. The death in Japan of Dr. Charles L. Noyes, who so short a time before had resigned from the Board, recalls the valuable contributions of a mind gifted with an unusual combination of intellectual accomplishments and executive ability.

A perusal of the statistics of operation for the year, appended to this report, does not reveal any feature of outstanding significance, with one notable exception. The amount of money available for book purchase is barely sufficient to replace the normal wear and tear of use, and does not provide for any growth. To illustrate the sharp advance in costs it may be noted that the ordinary book of fiction which we used to buy for ninety-five cents now costs us \$1.90 or more. For books of a more serious nature, and of more permanent usefulness, prices now ordinarily range from \$4. to \$7.50. It is easy to understand, therefore, that an appropriation for book purchase which a few years ago would have been ample for a healthy growth will now barely maintain our collection at or near its present level. The many Somerville people who are interested in music will be glad to learn that renewal of the appropriation for the purchase of musical scores has enabled us this year to add some representative modern productions to our collection.

We record with grateful appreciation the gift of one hundred and forty-three volumes of standard works, many of them in beautiful special bindings, from Mrs. Charles Williams, Jr., of 1 Arlington Street, Somerville. From the same source the library has also received three hundred and sixty-one photographic reproductions of the works of great artists, which have been added to our picture collection.

The week of November 11 to 17 was nationally observed as children's book-week. During that period the Children's department carried on an exhibition of children's books conspicuous for excellence in various particulars. Parents and

friends interested in building up home libraries for children, or in making gifts of permanent value have thereby had an opportunity for a leisurely examination of the best of the present day production. The children's room at the Central library maintains constantly changing exhibits of great variety. It gives us pleasure to extend grateful acknowledgments to the Children's Museum of Boston for the loan of exhibit material. We also note with appreciation the courtesy of the Boston Museum of Fine Arts in arranging for a free excursion for our children to view its treasures.

Those engaged in public service activities frequently find it difficult to discover what measure of interest, if any, the public takes in any particular attempt at service. People generally make use of what is offered and say very little about it. But if the service is withdrawn some word of regret or protest is likely to be heard. Such has been the case with the informal column published on the inside cover of our Bulletin, known as The Reader's Mentor. This was begun as a modest experiment to bring before our readers in an informal way some of the resources of the library. It was accepted without comment, and a similar absence of comment was presumed when circumstances dictated its suspension. But a surprising number of inquires and expressions of interest ensued. We are therefore glad to have been able to resume its publication in the October number of the Bulletin.

When the new Central library building was turned over to the Trustees for occupancy in 1914 it was deemed wise to defer the interior finish and decoration until the building should have become thoroughly dried and settled. Ten years have now elapsed and the walls have not only become stained and dingy, but, lacking surface protection, have begun to deteriorate. The Trustees have therefore urgently recommended that the city now give its earnest attention to the need of cleaning and finishing the interior. Thereby not only will the attractiveness of the most beautiful and distinctive building of our city be enhanced, but the disintegration of interior surfaces now in rapid progress will be arrested, and a much greater eventual expenditure averted. Repairs to the roof by the Public Buildings department during the past summer was a necessary preliminary, and has checked the seeping of dampness through the walls. The Trustees have also requested that attention be given to the outside woodwork of the West Somerville branch, for several years badly in need of painting. Union Square branch has been granted a long-needed improvement by the laying of linoleum in the large and always thronged children's room. Warmth, quiet and



orderliness will be promoted thereby. During recent months while alterations of City Hall have been in progress the Central library has been glad to give shelter in its lower stack to the records of the various city departments.

Changes in the personnel of the staff during the year have been as follows:

Appointments to the graded service: Dorothy C. Emerson, Grace N. Smith, Lorna W. Smith, Corinne Mead, senior assistants at Central; Beryl I. Bartlett, reference assistant on part time at Central; Helen W. Farrar, senior assistant at East; E. Marion Akerley, junior assistant at West; Elsie L. Knox and Alice D. Williams, junior assistants at Central; Helen M. Willard, junior assistant, and Margaret E. Soar, page, temporarily employed at Central; and Marion E. Decker, junior assistant, temporarily employed at West.

Appointments to the ungraded service: Gwendolyn Dunn and Hazel M. Wythe, pages in the Catalogue department.

The library has received the resignations of Dorothy B. Spear, branch librarian at East; Ruth G. Markle, first assistant at East; Orpha B. Matheson, reference assistant at Central; Marguerite Kelly Lane, first assistant at Union; Muriel Stowell and Irma Traphagen, senior assistants at West; Jean P. Hennessy and Alice D. Williams, junior assistants at Central; and Lillian Gould, Ruth Hayes, Louise Joyce, Leola Strout from the ungraded service.

The following promotions have been made in regular course under the provisions of the Scheme of Service: Mabel E. Bunker to acting branch librarian of the East Branch; Marion J. Meserve to school librarian; Edna L. Hartwell to children's librarian at East; Mildred A. Bowley, Alice W. Hamilton and Irma Traphagen to the second grade.

The training Class began its work as usual on the first Monday of October with a membership of four, namely, C. Evelyn Bamford, Miriam G. Howard, Elsie G. Umpleby, and Margaret Wentworth.

Eleven of our assistants took the course in American Literature offered last winter under the auspices of the Boston Public Library to library employees of this vicinity. The inspiring leadership of Prof. Rogers of the Massachusetts Institute of Technology has made the work profitable both to individuals and to the library service. Ten of our staff are now carrying on similar courses which began in October. The course is also a part of the required work of the Training Class.

The prevailing spirit of harmony and goodwill among the staff, and their loyal endeavor to produce a public service

of efficiency and courtesy is one of the rewards humbly and thankfully acknowledged by those upon whom the responsibilities sometimes press heavily.

On October 15 it became necessary to curtail the open hours of the branch buildings. Previously open every evening until nine, they have since that date been closed for the day at six o'clock on Tuesdays, Thursdays, and Fridays. There is nothing surprising nor unexpected in this action. It had been clearly foreseen and its approach noted. The reasons are clear. For a considerable period the library had been running on an irreducible minimum of staff. Coincident with the usual heavy increase of work in the fall months came three resignations and several cases of illness. When the remainder of the staff reached the limit of their endurance of overtime work the schedule broke down. Analysis of the changes in staff based upon experience records of individuals shows that of the twelve people who left the service during 1923 six were experienced grade assistants capable of carrying on work without supervision and of being placed in charge of rooms or buildings. They were replaced by inexperienced beginners whose work is done under supervision and who are not yet ready to be in independent charge of rooms or buildings. This means, of course, weakness as well as shortage. It is the intention of the administration to resume the service to which the public has been accustomed as soon as the requisite number of people can be secured, and the balance of experience restored.

The return to such service will be governed by three determining factors: The first factor is the existing country-wide shortage of trained librarians which has induced a condition of more positions than people to fill them, with resulting competitive bidding. The second factor is the possibility of securing a sufficient adjustment of salaries to maintain a reasonable standing among libraries of our own class and thereby check the steady procession of our promising young assistants to other institutions. The third factor is the need of mature and experienced librarians in positions calling for executive capacity, seasoned judgment, and quickly available, well-balanced knowledge of the work and of the library's resources. Librarians who can satisfy these requirements cannot be developed in a year or two. They are the product of a long course of evolution and elimination.

Statistics of operation for 1923 are appended as a part of this report.

Respectfully submitted,

GEORGE H. EVANS,

Librarian.



The Public Library of the City of Somerville

APPENDIX A

Statistics of Use and Growth

Circulation

	Central	West	East	Union	Schools	Total
Volumes circulated, adult . . . . .	116,835	79,101	45,138	85,654	1,496	278,224
Volumes circulated, juvenile . . . . .	38,760	27,218	22,650	32,682	47,205	168,515
Total circulation (A. L. A. rules) . . . . .	155,595	106,319	67,788	68,336	48,701	446,739

Accessions

	Central	West	East	Union	Total
Volumes in library, Dec. 31, 1922 . . . . .	87,752	13,636	7,092	7,488	115,968
Volumes added . . . . .	4,141	976	739	1,041	6,897
Volumes transferred to . . . . .	40	15	2	0	57
Volumes restored . . . . .	18	5	5	3	31

Total additions

Volumes withdrawn . . . . .	4,199	996	746	1,044	6,985
Volumes transferred from . . . . .	3,940	389	686	1,530	6,545
Volumes lost . . . . .	15	0	1	41	57
	248	63	35	358	704

Total reductions

Net gain . . . . .	4,203	452	722	1,929	7,306
Net loss . . . . .	.....	544	24	.....	.....
	4	.....	.....	885	321

Volumes in library, Dec. 31, 1923 . . . . .

	87,748	14,180	7,116	6,603	115,647
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Registration

	Central	West	East	Union	Total
Borrowers registered Dec. 31, 1922 . . . . .	6,495	5,151	2,574	2,567	16,787
Expirations in 1923 . . . . .	3,386	2,860	1,366	1,389	9,001
Registrations in 1923 . . . . .	3,461	2,500	1,232	1,203	8,396
Borrowers registered Dec. 31, 1923 . . . . .	6,570	4,791	2,440	2,381	16,182

Expenditures in Library Department

Per capita expenditure for library service . . . . .	\$0.536	Expenditure per book lent . . . . .	\$0.116
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## APPENDIX B

## American Library Association Form for Uniform Statistics

Annual report for year ended December 31, 1923

Name of library: The Public Library of the City of Somerville, Mass.

City: Somerville State: Massachusetts

Name of librarian: George Hill Evans

Date of founding . . . . . 1872

Population served (latest estimate) . . . . . 97,000

Assessed valuation of city . . . . . \$92,519,400 00

Rate of tax levy for library purposes: 67 cents on each  
\$1,000 valuation

Terms of use: Free for lending

Free for reference

Total number of agencies . . . . . 178

Consisting of Central Library . . . . . 1

Branches . . . . . 3

High School Department . . . . . 1

School Rooms . . . . . 168

Institutions . . . . . 5

Number of days open during year (Central Library) . . . . . 302

Hours open each week for lending (Central Library) . . . . . 72

Hours open each week for reading (Central Library) . . . . . 72

## INCREASE

Number of volumes at beginning of year . . . . . 115,968

Number of volumes added during year by purchase . . . . . 6,491

Number of volumes added during year by gift or ex-  
change . . . . . 314Number of volumes added during year by binding mate-  
rial not otherwise counted . . . . . 92Number of volumes added during year by lost books re-  
stored . . . . . 31

Number of volumes lost or withdrawn during year . . . . . 7,249

Total number at end of year . . . . . 115,647

## USE

	Adult	Juvenile	Total
Number of volumes of fic- tion lent for home use	209,411	94,535	303,946
Total number of volumes lent for home use	278,224	168,515	446,739
Number of pictures, photo- graphs and prints lent for home use	.....	.....	2,777

## REGISTRATION

	Adult	Juvenile	Total
Number of borrowers reg- istered during year	4,692	3,704	8,396
Total number of regis- tered borrowers	8,939	7,243	16,182
Registration period, years			2

Number of periodicals and newspapers currently received:

Titles . . . . .	224
Copies . . . . .	506
Number of publications issued during year:	
Bulletins . . . . .	7
Number of staff, library service . . . . .	37
Number of staff, janitor service . . . . .	6

## FINANCE

Receipts from:

City tax levy:

Library Department . . . . .	\$46,744 51	
Public Buildings Department . . . . .	13,920 00	
Endowment Funds . . . . .	1,102 63	
Fines . . . . .	2,281 71	
Other sources (Dog licenses) . . . . .	2,198 78	
Total . . . . .		\$66,247 63

Payments for:

Library Department:

Books . . . . .	\$11,053 26
Periodicals . . . . .	1,344 77
Pictures . . . . .	246 75
Music . . . . .	180 74
Binding . . . . .	3,133 98
Salaries, library service . . . . .	32,471 31
Supplies . . . . .	847 01
Printing . . . . .	992 65
Telephone . . . . .	239 70
Transportation, postage, express, freight, etc. . . . .	1,206 23
Other maintenance . . . . .	367 32
Total . . . . .	\$52,083 72

Public Buildings Department:

Salaries, janitor service . . . . .	\$ 6,859 01
Heat . . . . .	2,234 44
Light . . . . .	2,138 46
Furniture . . . . .	1,264 46
Permanent improvements . . . . .	428 92
Other maintenance . . . . .	935 19

        Total . . . . . \$13,860 48

        Total maintenance . . . . . \$65,944 20

Balance from Appropriation, Library Dept. \$ 8 86

Balance from Endowment Funds . . . . . 235 05

Balance from Appropriation, Public  
Buildings Department . . . . . 59 52

        Total balance . . . . . \$ 303 43

## REPORT OF SANITARY DEPARTMENT

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January 31, 1924.

To the Honorable, the Mayor, and the Board of Aldermen of  
the City of Somerville.

Gentlemen :

The report of the Sanitary Department for the year 1923 is respectfully submitted herewith.

### Collection of Ashes and Paper

	Ashes (Cubic Yards)	Paper (Cubic Yards)
January . . . . .	12,686	3,700
February . . . . .	12,520	3,580
March . . . . .	13,549	3,380
April . . . . .	12,400	4,080
May . . . . .	11,080	3,740
June . . . . .	8,450	4,180
July . . . . .	8,370	4,320
August . . . . .	6,807	4,420
September . . . . .	6,178	3,760
October . . . . .	7,897	4,220
November . . . . .	10,105	3,600
December . . . . .	10,350	3,470
Totals . . . . .	120,392	46,720

During the year the Sanitary Department paid to the Highway Department \$3,359.10 for the use of teams and \$1,363.50 for board of horses.

The paper and combustible materials are being disposed of at the incinerator plant, the city receiving a revenue of \$400. per year for the paper. The garbage is collected by contract, twice a week from May 15th to October 15th and once a week for the period from October 15th to the following May 15th. Ashes and non-combustible refuse are collected principally with automobile trucks on account of the distance

to the dumps used by the department which are located in Medford and subject to the rules and regulations of the Board of Health of the City of Medford.

The Medford dumps are fast filling up and I recommend that Somerville take action in the near future to provide dumping facilities for its refuse.

Respectfully submitted,

EDGAR T. MAYHEW,

*Supt. of Sanitary Dept.*



**REPORT OF THE SCHOOL COMMITTEE  
CITY OF SOMERVILLE**

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School Committee Rooms, December 31, 1923.

Ordered, that the annual report of the Superintendent of Schools 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, 1923

OSCAR W. CODDING . . . . . Chairman  
 WALTER I. CHAPMAN . . . . . Vice-Chairman

## Members

## EX-OFFICIIS

JOHN M. WEBSTER, Mayor . . . . . 76 Boston street  
 WALDO D. PHELPS, President Board of Aldermen . . . . . 14 Delaware street

## WARD ONE

JULIA A. CROWLEY, . . . . . 34 Pinckney street  
 FRANCIS J. FITZPATRICK, . . . . . 2 Austin street

## WARD TWO

DANIEL H. BRADLEY, . . . . . 19 Concord avenue  
 CHRISTOPHER J. MULDOON, . . . . . 88 Concord avenue

## WARD THREE

CHARLES W. BOYER, . . . . . 66 Avon street  
 OSCAR W. CODDING, . . . . . 59 Vinal avenue

## WARD FOUR

KATHERINE C. COVENEY, . . . . . 73 Marshall street  
 EDWARD I. TRIPP, . . . . . 21 Wigglesworth street

## WARD FIVE

HARRY M. STOODLEY, . . . . . 283 Highland avenue  
 MINNIE S. TURNER, . . . . . 64 Hudson street

## WARD SIX

WALTER I. CHAPMAN, . . . . . 18-A Central street  
 WALTER FRYE TURNER, . . . . . 15 Highland road

## WARD SEVEN

HERBERT CHOLERTON, . . . . . 94 College avenue  
 PAUL O. CURTIS, . . . . . 41 Mason street

## Superintendent of Schools

CHARLES S. CLARK

Office: City Hall Annex, Highland avenue.

Residence: 75 Munroe street.

The Superintendent's office will be open on school days from 8 to 5; Saturdays, 8 to 10. His office hour is 4 o'clock on school days, and 8:30 on Saturdays.

## Superintendent's Office Force

Mary A. Clark, 42 Highland avenue.  
 Mildred A. Merrill, 26 Cambria street.  
 H. Madeline Kodad, 104 Sharon street, West Medford.  
 Marion E. Marshall, 30 Gilman street.  
 Ruth O. Elliott, 4 Lincoln Place.  
 Beatrice M. Hersom, 62 Highland avenue.

## Board Meetings

January 29.      April 30.      September 24.      December 31.  
 February 26.      May 28.      October 29.  
 March 26.      June 25.      November 26.

8:15 o'clock.

## Standing Committees, 1923

Note.—The member first named is chairman.

District I. — Crowley, Fitzpatrick, Muldoon.

PRESCOTT, HANSCOM, BENNETT

District II. — Bradley, Muldoon, Crowley.

KNAPP, PERRY, BAXTER

District III. — Coddling, Boyer, Bradley.

POPE, CUMMINGS

District IV. — Coveney, Tripp, Boyer.

EDGERLY, GLINES

District V. — Stoodley, Miss Turner, Tripp.

FORSTER, BINGHAM, PROCTOR

District VI. — Turner, Chapman, Miss Turner.

CARR, MORSE, DURELL, BURNS, BROWN

District VII. — Cholerton, Curtis, Turner.

HIGHLAND, CUTLER, LINCOLN, LOWE

High Schools — Chairman Cholerton, Bradley, Stoodley, Crowley, Coddling, Coveney, Chapman.

Finance — Chairman Stoodley, Fitzpatrick, Tripp, Muldoon, Coddling, Chapman, Cholerton, Webster, Phelps.

Text Books and Courses of Study — Chairman Chapman, Muldoon, Crowley, Boyer, Coveney, Miss Turner, Curtis.

Industrial Education — Chairman Tripp, Turner, Crowley, Muldoon, Boyer, Miss Turner, Curtis.

School Accommodations — Chairman Boyer, Cholerton, Fitzpatrick, Bradley, Tripp, Stoodley, Turner, Webster, Phelps.

Teachers — Chairman Miss Turner, Chapman, Fitzpatrick, Muldoon, Coddling, Coveney, Cholerton.

Health, Physical Training, and Athletics — Chairman Curtis, Boyer, Fitzpatrick, Bradley, Tripp, Miss Turner, Turner.

Rules and Regulations — Chairman Turner, Crowley, Bradley, Coddling, Coveney, Stoodley, Curtis.

## REPORT OF THE SUPERINTENDENT OF SCHOOLS

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### TO THE SCHOOL COMMITTEE:

Hereby I submit a report upon the conditions of the schools for the year now closing, the fifty-second annual report of the schools of this city and the sixteenth which I have prepared. In accordance with our custom, there is included in this document matter prepared as a report of the School Committee to the citizens of Somerville as well as the report of the Superintendent of Schools. The former consists largely of tables dealing with facts of attendance and of cost, while the latter has to do mainly with the work of instruction or the educational side of the school undertaking. In connection with the former, a condition may well be stated which, though long true, is not understood by all of our citizens. This fact is that for school expenditures the School Committee has charge of and is responsible for only the sums of money spent for salaries of teachers and officers and the sums of money spent for supplies used by teachers and pupils. All other expenditures for public schools, including cost for new construction, repairs, and upkeep of buildings, fuel, light, janitor service and supplies, are controlled by other agencies of the City Government. While, therefore, under the law, the School Committee is required to make annual statements of costs including all of these factors, its function in respect to the latter is only that of securing the statistical data from other sources and compiling it in required form related to its own expenditures, viz., those of salaries and school supplies. All of these matters are set forth in the tables to be found in the appendix of this report.

In reporting annually upon the condition of the schools, the Superintendent cannot expect to present startling or outstanding changes in each report. Rather should he expect to tell of things done which denote growth, improvement, and progress accomplished gradually but surely. The same materials enter in to the work of each year, pupils, teachers, and the ways and conditions under which they accomplish the work of the schools. Nevertheless, each year has distinctive features which though not spectacular, are highly important and significant of the general character of the school undertakings. Some of these will be set forth in this report. The limitations of space compel a brevity in such treatment which excludes many details and citations which would be interest-



ing and informative, but enough has been included to show tendencies and to furnish some insight into things accomplished and others under way.

## MEMBERSHIP

The number of pupils in the day schools the first of December was 14,664, an increase of 245 over the number belonging in December 1922. The average membership for the school year which ended June 1923 was 14,308, an increase of 304. These figures show a continuation of the steady growth in the membership of the schools. The facts of membership in the several large divisions of the school system are shown in the following table in comparison with corresponding facts for the same time last year.

	High	Junior High	Elementary including	in- clud- ing	Voca- tional kgn.	Total	Increase
Dec. 1923.....	1994	3584	9010		76	14,664	245
Dec. 1922.....	1962	3493	8878		86	14,419	

The increase in membership for all schools was somewhat larger than that of the preceding year. This increase was shared by all of the main divisions of the schools, the Vocational School alone, showing a loss. This is explained by the Principal, Harry L. Jones, by 12 boys leaving recently to go into the industries. The automobile shop and the woodworking shop have a full complement of pupils but the machine shop has vacancies. It is expected that these will be filled by the boys who will enter the first of January. The increase in the High and Junior High Schools was nearly equal to that in all of the first six grades. This fact confirms the statement made in my report last year that the High School is still growing and that we have not reached the limit of the tendency of pupils to remain longer in school. In a report of a survey of the schools of New Bedford, issued February 1922, tables were printed showing the percentage which the pupils under each grade of instruction in each of ten Massachusetts cities is of the whole enrolment in those cities. From those tables are taken the facts which are combined below.

Table Showing the Average of Percentages of Pupils Under Each Grade of Instruction in Ten Massachusetts Cities Compared with the Percentage of Each Grade in the Somerville Schools Taken from the Same Table

Grade	1	2	3	4	5	6	7	8	9	10	11	12
Average	14.1	11.8	11.1	11.2	10.4	9.3	8.4	6.7	6.5	4.4	2.9	2.4
Somerville	11.6	11.2	9.5	9.4	9.7	9.5	9.1	8.	7.4	5.8	3.8	4.6



The average percentage of the total in grades nine to twelve is 16.5%. The percentage of pupils in those grades in Somerville is 21.6%, the highest of all the ten cities.

In another table showing the number of pupils in each hundred receiving certain grades of instruction the average for the last four years of the course, grades nine to twelve inclusive, was 16.5. The figure for Somerville was twenty-two, again the highest of all the cities considered.

Voluntary attendance in the schools begins to be tested during or at the close of the sixth year. In the succeeding grades children by becoming fourteen years of age escape from the control of the compulsory attendance law and are, therefore, free to leave school. The table quoted shows that the Somerville schools lead this group of cities in the holding power of its secondary schools. Retention of the pupils in the higher grades has crowded the Junior High Schools and the Senior High School. The carrying of a heavy load in the grades of secondary instruction inevitably tends to increase the cost of the schools, but no surer index of good schools can be found than the persistence of attendance in the higher grades of instruction where only the appeal of self-interest keeps the pupil in school.

## ORGANIZATION OF THE SCHOOLS

### *Organization*

The next matter to be touched upon briefly is the organization of the school undertaking. Our day schools are now organized on what has come to be known as 6-3-3 plan,—three years of high school, three years of intermediate or junior high school,, six years of elementary school. Below the elementary schools are kindergartens, seven in number. Besides these, there are a Vocational School for Boys, Continuation School for Boys and Girls, special classes for retarded children, and for children of defective vision. The Evening Schools consist of high and elementary academic classes, Practical Arts classes for Women, and Americanization Classes for men and women. The organization of the school system is comprehensive, well-laid out, and well-articulated. The means for accomplishing its work have been provided upon a careful planning to secure a maximum efficiency within the expenditure which our circumstances make possible. Moreover, its plan permits, without structural change, expansion in any direction where a larger service to the community justifies additional expenditure. Illustrations of these gen-

eral statements will be afforded in the discussions following in this report.

### *High School*

The Somerville High School is a school of the comprehensive type, providing under one organization the various kinds of secondary instruction. This type of school has been chosen, after careful consideration, as best suited for our conditions. While there is difference both in practice and in opinion as to the relative merits of the general high school and the special high school, it is probably safe to say that the preponderance of professional opinion is in favor of the general high school. The broadest principle applicable to a determination of this question is the principle of democracy. Schools are part of the life of children. Schools are the agencies by means of which children are prepared for taking their part as men and women in a world where they must live and work and sustain the institutions of civilized life. Contact with and understanding of his fellow men are essential to full preparation of an individual for the duties of citizenship in a democracy. The general high school affords this opportunity to a larger extent than does the special high school. Its justification on this ground seems to be beyond successful attack, but on the other hand, it is the task of the general high school to provide for its students instruction in the various subjects which they pursue fully adequate to their needs. This places upon the general high school the necessity of meeting successfully in every branch of its educational undertaking the competition of schools devoted wholly to one or another specialty. Thus the general high school has not only the duty to provide a broad and liberal commingling of students on a democratic basis but also to provide instruction of a special nature as efficient as that which can be found in a school of single aim. This then is the field of the Somerville High School and this is the standard which it must set up for itself in its educational undertakings.

### *Junior High School*

The second division of the school system is the intermediate or junior high school, consisting of the seventh, eighth, and ninth grades. This type of school has been characterized by Dr. Snedden recently as "an administrative means—a necessary means—to essential forms of improvement of the education of young people from 12 to 15 years of age." This description of a junior high school points out the characteristic features of that new type of school organization. On

the organization side, it is an administrative means. On the educational side, it is an improvement of the education of young people from 12 to 15 years of age. As an organization means, its characteristic features are (a) the assembling in one school of a considerable number of pupils of the intermediate grades and (b) the providing of ways and means for differentiation in the educational processes. On the educational side, its characteristic features are the organizing of **the course of study** in such a way as to vary instruction to suit the different abilities and aptitudes of pupils, while at the same time providing a considerable body of instruction common to all pupils. The variations provided in the educational program are determined by (a) the needs of the pupils and (b) the ability of the community to meet the cost of such provision. In the development of the junior high school in Somerville, these fundamental characteristics have been kept clearly in mind. The organization features have been afforded by the grouping of children of the intermediate grades in four centers. The educational part of the program has been well carried out by the provision of a suitable number of variations in the program of studies, and both parts of the undertaking have been carried on well within the financial ability of the community. The most outstanding feature of the last year in this department of the school work has been the action affecting the organization of two of these schools. It has been decided to combine the Eastern and Northern Schools in one organization to be housed in the new school building on Marshall Street. This action will eliminate two small schools and create one large one, an administrative measure of wisdom and consequence. By means of this action, conditions more favorable to the educational objectives of the school will be provided and economies will be effected in the administration of the educational program. When this consolidating is made Somerville will have three junior high schools each large enough to make effective variations of studies economically possible, with each school within a reasonable walking distance from the homes of the pupils who will attend.

### *Elementary*

The third division of the school enterprise consists of the first six grades which for lack of a better descriptive term we are now calling the elementary schools. The first three grades are primary in character and the upper three are elementary or grammar in character. The distinctive administrative feature of these schools is their organization into administra-



tive and supervisory districts under the control of supervising principals. This condition is due to the action of the School Committee August 7, 1919, whereby all the elementary schools were grouped in districts, each under the management of a responsible officer called a supervising principal. Besides several large schools with non-teaching principals, Somerville, like most New England cities, had many small schools whose principals were engaged in teaching most, if not all, of their time. This plan afforded for such schools no adequate administrative or supervisory management. Under the new plan, a supervising principal is provided for every elementary school of the city and the schools are so grouped as to necessitate only a reasonable number of such officers. This plan not only gives every elementary school adequate administrative educational supervision, but it assures to the elementary schools officers of suitable qualifications for this work by the means of salaries sufficient to attract such officers. This is an organization system of the utmost importance to the elementary schools, changing them from a condition of scattered and divided authority to one of organized and unified responsibility.

### *Kindergartens*

The kindergartens from an administrative point of view are open to the charge of incompleteness. They are highly appreciated by the communities fortunate enough to have them and greatly desired by the communities where they do not exist. The only excuse for the present condition is that it is better to have half a loaf than no bread. As soon as possible, kindergartens should be provided in connection with every elementary school. This is the more important because of conditions in Somerville which give so little opportunity for free life outdoors for young children, and secondly, because of the fact that setting the age for admission to the first grade at six years makes the provision of kindergarten instruction for the five-year-olds highly desirable.

### *Vocational Schools*

Vocational education is now provided in the day schools by the Vocational School for Boys and by the Household Arts Department in the High School. These opportunities are adequate for the present and are capable of indefinite expansion as additional demands are made upon them.

*Continuation School*

As soon as circumstances permit, this school should be withdrawn from its present unsuitable location in the High School Building and placed in rooms where its work can be done under conditions as favorable as those provided for other day schools. It seems that such a change can be made in the near future.

*Special Classes*

Atypical classes have heretofore been limited in number by the lack of rooms where such classes were specially necessary. This condition will soon be changed and it will be possible to open others in the eastern part of the city where they are greatly needed.

*Evening Schools*

These schools have been organized this year under the heading of High, Elementary, Practical Arts, and Americanization. The High School has occupied portions of the High School Building. Elementary Schools have been located in the Bell Schoolhouse and in the Cliff Schoolhouse. Americanization Classes have been scattered about the city in various schoolhouses where classes could be assembled. The Practical Arts Classes for Women have been conducted in the High School Building and in the Cliff Schoolhouse. All of these classes have had suitable accommodations for their work. Each type of school is sufficient for the present needs of the community. Expansion is possible whenever increased demand makes it necessary.

**EDUCATIONAL**

So far this report has been concerned with the discussion of the administrative measures taken in the organization of the schools to provide suitable educational means for the needs of the city. It is now in order to discuss the educational uses made of these means.

I shall not go into detail concerning the High School, leaving that for the report of the Headmaster which is supplied as a part of this report. Concerning the Junior High Schools it should be stated that the programme of studies provides electives in each year adapted to the varying needs of the pupils and provides in each year a suitable body of study—required subjects—to be taken by all. Marked progress has been made this year in the administration of such a course



of study. There has been a continuous attempt to make more efficient adaptation of the electives to the needs of the pupils and a more efficient use of the functions of instruction in all subjects of the curriculum. To this end there have been frequent conferences of the principals and teachers with the Superintendent, and more frequent meetings of teachers with the principals of their own schools. Improvement in instruction is following as a consequence of these measures and as a consequence of the efforts of teachers to acquire additional understanding and skill through professional study.

One approved administrative means, a characteristic of the Junior High School type of school, as of the High School type, has yet to be adopted in our junior high schools, viz., the use of the plan of promotion by subjects. This plan contemplates adapting the educational requirements of the curriculum to the capacity of an individual in such a way that a failure in one subject is not a cause for repeating other subjects in which success has been secured. Put in a more familiar form, promotion by subjects prevents the repeating of the whole of a school year because of failure in one or more subjects which are a part of that year's instruction. Where promotion by subjects is in effect the pupil advances in the subjects wherein he has succeeded while repeating subjects wherein he has failed. There are administrative difficulties in the application of this plan which have prevented its adoption heretofore in the Junior High School, but as other parts of the undertaking have become well settled through experience, there has now come a better opportunity for considering and adopting this plan in the conduct of the local junior high schools.

#### Elementary Schools

One of the most outstanding educational effects of the reorganization of the school system in Somerville is the improvement which has been shown in the upper grades of the elementary school. Since the transfer of the seventh and eighth grades to the Junior High School the work of the upper grammar grades, particularly that of the fifth and sixth grades, has taken on a character distinctively in advance of that which the work in these grades had before. This change is evident to the masters and teachers of those schools and is the cause of much satisfaction to them. During the last year there have been in the elementary schools certain evidences of progress which are set forth in statements supplied by some of the supervising principals.

Concerning the lower grades, it may fairly be said that

exceptionally good work is being done under somewhat adverse conditions. The most adverse of these is the prevalence of overlarge classes. This is particularly true of some of the first grades where the work has been made burdensome by classes that are too large or by the presence of children who are handicapped by a limited knowledge of English due to the fact that a foreign language is the prevailing speech in their home. In some places it will be possible to reduce the size of the classes in the primary grades when additional room for that purpose is made available by the opening of the new building on Marshall Street.

#### Reports of Principals

As an illustration of the interest and vigor of the work of the schools I have asked several principals to make short statements concerning certain educational undertakings selected from the school program as worthy examples of the whole tenor of the school work. These statements follow:

##### Western Junior High School

"I submit herewith a report of the Western Junior High school for the year ending December 21, 1923.

"Early in the year the congestion in the school was relieved by the addition of six fine class rooms, an assembly hall large enough to accommodate the entire school of 1150 pupils, a lunch room adequate for the needs of the school and well equipped, a large basement room adapted and used for large music classes, for the orchestra, and as a class room, two locker rooms, each furnished with 350 steel lockers, and shower baths for both boys and girls.

"The assembly hall made possible the weekly assembly of all pupils and is used to develop civic qualities, to meet health needs, and to train pupils for the worthy use of leisure.

"By the purchase of a net which protects the four sides and the top of the space between the balcony and the stage, the auditorium provides a fine gymnasium for the school, and is used daily for basket ball, fist ball, volley ball, and setting-up exercises for the ninth year girls and boys.

"The assembly hall is used also for presenting programs of educational value, including lectures, dramatics by pupils, class demonstrations, stereopticon pictures and music by professionals, individual pupils, school orchestra and glee club.

"The new lunch room has made possible the providing of a suitable luncheon for all pupils who may wish to buy

theirs at school and a place for those who bring their lunches from home to eat them in a leisurely manner.

"Two women are employed to provide the lunch and so satisfactory is their work that a majority of the pupils prefer to get their lunch at the school. The larger part of the work in serving is done by the pupils and a large number obtain valuable training through this activity. The lunch room is easily self-supporting. It is hoped that tables and stools will soon be furnished so that all the amenities may more readily be observed.

"Student participation in the government of the school has been extended during the year, and has been found to be a great help in the teaching of citizenship and leadership.

"Practically the entire control of the halls during the passing of pupils, the conduct of the lunch period, the assembly of large groups, and the club activities is given to the pupils who form the Western Junior Patrol.

"Arrangements have been made whereby ninth year classes may meet together once a week for a systematic use of the School Library. Better results could be obtained if there were a trained school librarian who could devote a large part of her time to the library. Pupils are encouraged to make use of the library before and after school.

"It has been possible to properly equip and train a large number of pupils who represent the school in base ball, foot ball, tennis, basket ball, and field hockey. This work has been very satisfactorily done by Mr. Sweet, athletic advisor for the boys, by Miss Giles, athletic advisor for the girls, and by Mr. Balfe, practice teacher from Bridgewater Normal school, under the supervision of Mr. Ayer, assistant Physical Director.

"Many compliments have been paid to the boys who have represented the school in base ball and foot ball for their clean playing and for their behavior in general. Boys trained as these are must and should furnish valuable material for Senior high school teams.

"The school clubs have been quite successful. Every pupil is required to join one but is given the largest possible freedom in his choice. I believe these clubs are very valuable in developing interests that will contribute to the worthy use of leisure, and the right school spirit.

"It seems to me that in our junior high school we have a course of study well adapted to the aims of such a school. It is giving pupils a training which should fit them to carry on their education in the advanced schools or to enter upon industrial pursuits. It is giving them two years to find out



what they are fitted for and is giving them an opportunity to make a beginning under ideal conditions, in the studies they are to take in the Senior High school. That our Senior high school is so large seems to me a proof that the Junior high schools of the city are doing well the work expected of them.

"In closing I wish to express my great appreciation for the many improvements made to the school through the kindness of Mayor Webster, the City Government, and the School Committee, not the least of which is the fine playground which is in the process of construction. I wish also to express my appreciation to the parents for their splendid cooperation, to the teachers for their loyalty and support, and to the pupils for their fine spirit and loyalty to the school.

"I would recommend that the school day be lengthened fifteen minutes. By means of this increase and by shortening the four daily recitation periods, a fifth period could be provided which would give five extra periods a week to each section; these could be used for physical training, study periods, assemblies, and for extra-curricula activities. To carry out such a program a teacher should be provided to take entire charge of the physical training of the pupils of the school."

"ARTHUR L. DOE, *Master.*"

#### Southern Junior High School

"The past year has found a marked improvement in the Southern Junior High school, in that the crowded conditions, due to lack of recitation rooms and shops, have been remedied by the opening of the South Wing, thereby giving seven recitation rooms, and one first year Woodworking shop. This has done away, in great measure, with the afternoon shop classes in the seventh year work.

"It is a pleasure to report the starting of the Assembly. We have found use for our new Upper Assembly Hall, because it is now possible to assemble a class, in two groups, Lower and Upper, to put into effect the pupil-conducted exercise so desired by our Junior High pupils. Projects developed in various Clubs are worked out before the entire class, giving much pleasure to all, and a chance to develop leadership to many.

"One of the most encouraging developments of the past year is the formation of a Students' Council. The request came from the students. Though this undertaking has been launched but a short time, there is ample reason to expect that this will be a way by which a larger degree of self-direction and self-control will be exercised by the pupils, to the end

that the school may earn a well-deserved reputation for efficiency. Officers of the Students' Council and Class Marshals wear arm bands to designate their official status.

"The extra-curricula activities, under the direction of various teachers, are in their second year, and are coming out of the experimental stage into a well-defined movement which is in favor with the students and of value to them. The School Paper, Orchestra, Glee Club, Dramatics, Debating, Travel, Domestic Arts, Science, Fancy Work, Millinery, Current Events, Radio, Athletics, Language Clubs, First Aid, Carpentry, and Book Lovers' Club are all doing live work. This year the room officers arranged the club assignments, to the end that all but six boys from a membership of one thousand thirty-four pupils, found their places in thirty-three clubs of their own choice, on the opening day.

"I have observed a renewed determination on the part of the teachers and pupils to make this the best year in the life of the school."

"GEORGE M. WADSWORTH, *Master.*"

#### Elementary School Projects

"During the year ending June, 1923, we laid special emphasis on English, Geography, and History, taught according to the outline submitted by me last year.

"To aid in my plans, several of the teachers took special courses along those lines.

"In the last few years we have stressed project work and the socialized recitation.

"Last year we saw good results along the following lines:

School papers were published monthly in five of the upper grades.

Book clubs were formed and held weekly meetings in the fifth and sixth grades.

In one sixth grade a 'Civic Business League' was organized which held weekly meetings to discuss plans for a more efficient management of room and building. Following are some of the subjects discussed:

How best to police the yard.

Traffic management.

How best to practice thrift.

How to promote safety of children in the street.

Flag etiquette.

Efficient distribution of milk daily.

Reception of visitors.



and scores of similar subjects. As I have stepped into their meetings from time to time, I have been amazed at the conduct of the business and the judgment shown as they discussed those topics. This seems to me to be a preparation for valuable service later on in the children's lives.

"To me, as I meet people at public gatherings of various types, it seems that one of our highest duties is to train children to have such control of mind and body that they can stand before an audience, think clearly, and speak effectively. With this idea in mind, we have given special attention to oral composition from grades three to six inclusive. The results thus obtained have been very gratifying to all of us.

"In project work I must take time to mention only one of the many. This project was worked out by the children to help a classmate who had trouble with her arithmetic. Here is the teacher's report of it:

A committee was chosen to organize a store in one corner of the room. The class brought clean empty packages from home. The committee looked them over, keeping only those most appropriate. They then visited different stores in order to obtain correct prices. The children take turns at being 'Store keeper' and 'shoppers', each 'shopper' making three purchases. They have five dollars in real money for change, but have made most of their own paper money.

All kinds of arithmetic may be made very practical in this way, especially fractions, because parts of pounds, yards, etc., must necessarily be used.

"I consider project work in the hands of a capable teacher one of the most valuable means of motivating regular school work.

"So much for what has been done.

"For several years we have felt that our school system has given the lion's share of the time and effort to the backward pupils, and has neglected to provide for the capacities of the more talented. With this idea in mind I gave efficiency tests in several subjects. By the results of these tests plus the teacher's estimate, I divided each fifth and sixth grade into four parts and made up classes as follows:

Div. D—ablest pupils

" C—next to ablest

" B— " " most backward

" A—most backward

"It is yet too early to submit definite findings as to the success of our experiment. It seems to be working to the best advantage of all concerned. Right away I plan to test

pupils again and compare groups. When this is done, I will present a graph showing definitely the results.

"If further investigation shows this work to be a success I shall extend it, so that it will include the fourth and third grades and eventually all grades.

"Just now we are paying special attention to reading in all phases, but are concentrating our efforts on silent reading. Regular monthly tests are being given to discover rate of speed and ability to get the thought from the printed page.

"Last year we followed the program laid out by the Health Crusade in our fourth grades. We are now extending and intensifying this work. The children are weighed and measured monthly, and all means are employed to promote interest in health. The following rhymes made by pupils, unaided by the teachers, will show how well we are succeeding.

Run in the fresh air,  
 Play in the sun,  
 You'll be a strong boy,  
 When the day is done.

C is for coffee, and T is for tea,  
 Those unhealthy things don't interest me,  
 Fresh air, cocoa, and lots of good milk  
 Will make you feel happy and fine as silk.

So I will forever keep on drinking milk,  
 I'll play out of doors and exercise long.  
 I'll go to bed early, and sleep well at night,  
 Then I'll be healthy and have muscles strong.

Of the choicest possessions  
 Of all kinds of wealth  
 None can compare  
 With a boy's good health.

Don't forget your teeth at night,  
 If you do, they won't be bright:  
 Don't forget your teeth at dawn,  
 If you do, they might go wrong.

"In September, fourteen Armenian children ranging in age from eight to fifteen years, entered the Cutler school. They had attended school in Belgium, and while they were well prepared in other subjects, they could speak no English. This was a situation that had never before developed. I did

not feel justified in asking for a teacher for so small a group and did not have a room for such a class. But where there's a will there's a way! We had in the building a very able pupil from the Bridgewater Normal school, who was observing. She organized the class and carried on the work in the lower corridor. Since her return to Normal school, the work is going on under the direction of two observers from the Lesley school. These Armenian children are now able to understand and speak English fairly well."

"HARLAN P. KNIGHT, *Master.*"

#### Silent Reading

"While continuing the project method, silent reading, and opportunity classes, concerning which we wrote you last year, analyzing the work in terms of educational values, we have during the present year made two new departures in education in the schools of Ward Two.

"The first and most important of these departures is the grading of pupils of the four sixth grades according to their apparent degree of intelligence. The second is the development of group work by means of the Thursday morning assembly.

"The grading of pupils of the sixth grade seems to be a project abundant in dynamic values. Psychology has exploded the fallacy still held by the followers of Helvetius, that pupils of an inferior order of intelligence, the dull, learn from association with those of a superior order of intelligence, the bright, as if intelligence were contagious, or dependent on environment. Woodrow's book, 'Brightness and Dullness in Children', which you read with a group of us last year, enlightened many on this point; and as it seemed to us that knowledge not carried over into action was merely 'functioning in a vacuum' we graded the pupils of the sixth grades according to intelligence, the judgment of the teacher serving as the criterion. Next year we hope to put our work on a more scientific basis by means of intelligence tests for each individual. The aim in this course of action is three-fold:

1. To give pupils of a high order of intelligence all the opportunity possible to advance along well directed lines in which they are capable. The work of this group is broad and creative. Its cultural value, for example, is enhanced by the reading of a far greater amount of literature than is required for the grade. Thus is opportu-



nity given for the cultivation of mental imagery, a thing which, as G. Stanley Hall says, is so utterly neglected in most schools at a time when the angel stirs the waters.

2. To give pupils of average intelligence the kind and amount of work best suited to strengthen them in their needs, and to give time and opportunity for methods that will bring about desired results.

3. To give pupils of a lower order of intelligence the time, opportunity, and encouragement necessary for them to do well that part of the regular work of the grade that they are capable of doing.

“Certain results now appear to be established:

1. That the judgment of the teacher which at present serves as our criterion is exceedingly fallible.

2. That certain elements in the situation, certain deficit stimuli, e. g. malnutrition, tubercular glands, defective sight, hearing, etc., often cause a pupil mentally bright to appear dull. In several instances we have caused to be removed certain of these deficit stimuli with the result that regrading became imperative.

3. That the element of time in the situation often heartens dull pupils, inspires them with confidence at the sight of their own achievements, small though they be yet their own, and gives them an opportunity to find themselves. We consider that the ultimate end of education, both specifically and generally, is to give opportunity for a pupil to find himself. Then ‘learning’ as such begins.

“It is too early as yet to make a definite statement as to the vast amount of good this grading and regrading is accomplishing, since it is only in the initial stage of its development. We have yet to think through many problems, not the least of which appears to be the suitable advancement of those pupils who are able to accomplish the work of the sixth grade in one half of a year.

“The development of group work through the Thursday morning assembly is interesting to watch and its results appear to be significant. The pupils hold their own assembly, conduct it entirely by themselves, elect their own presiding officers, choose their own music, and the subjects for reports that seem to them worthy of note during the week.

“The aims are briefly:

1. To teach community or group spirit. Emphasis is placed on cooperation, mutual toleration, and respect for law.

2. To give pupils opportunity for choice.

3. To give confidence in appearing in public, and ease and facility in stage department.
4. To encourage quality in work.
5. To make automatic the use of correct English.
6. To train pupils in orderly civic procedure.
7. To acquaint pupils with the elements of democratic government.
8. To motivate in a broad way the entire work of the school."

"FRANCIS A. RYAN, *Supervising Principal*"

#### Teaching of Thrift

"During the past year the pupils have made 82,029 deposits amounting to \$54,533.11, an increase of 40 % over the year before when there were 65,880 deposits amounting to \$38,934.10. This is the largest year's growth since the establishment of the school banks.

"While it is a pleasure to be able to report such a rapid growth, we should not lose sight of the fact shown by the Report of the American Bankers Association on School Banks that Somerville is no longer the leading city in school banking. There are now many cities that surpass us in the amount deposited and to an even greater degree in the number of depositors.

"This is evidence that the possibilities for growth are by no means exhausted and should encourage us to put forth greater efforts to secure more depositors.

"The rapid increase in school savings banks throughout the country has brought many different systems of collecting and accounting into use. We have examined these systems, as they have been introduced, with a good deal of interest. Until recently we have seen none that we considered superior to our own.

"A system called Educational Thrift Service, Inc. is extensively used and is, we think, very much better than our own system. No bookkeeping by teachers or principals is required. The bank makes all reports, corrects mistakes, and arranges for the replacement of lost deposit cards and bank books. This results in a great saving of school time and removes the only objection of the teachers to the school savings banks.

"Methods of stimulating and encouraging the children to form thrift habits are also furnished by this company. It may readily be seen that these methods are of real value since



nearly all of the cities that are ahead of us in school banking are using this system.

"We recommend that this system be adopted for use in the schools of this city.

"We also recommend that a high school teacher and an employee of the bank be added to the committee on banking."

"GEORGE I. BOWDEN,  
*Chairman Committee on Thrift.*"

#### Modern Health Crusade

"Our teaching of hygiene, if it carry over into the physical well-being of children, must result in the formation of good health habits.

"The Modern Health Crusade is the name given to a very definite program for motivating the formation of health habits. It is financed and promoted by the National and State Tuberculosis Leagues. The Visiting Nursing Association in our City through the sale of Christmas seals, has made it possible to test the system in all of our fourth grades for a period of fifteen weeks during the past year.

"The Modern Health Crusade uses the insignia and tries for the spirit of the chivalric days of the historic Crusades, the modern knight being one who goes out to achieve health. As it works out in practice, each child keeps a score card upon which he checks daily the performance of certain health 'Chores'. The score card reads:

1. I washed my hands before each meal today.
2. I brushed my teeth thoroughly.
3. I tried hard to keep fingers and pencils out of my mouth and nose.
4. I carried a clean handkerchief.
5. I drank three glasses of water, but no tea nor coffee.
6. I tried to eat only wholesome food, including vegetables and fruit.
7. I drank slowly two glasses of milk.
8. I went to toilet at regular time.
9. I played outdoors or with windows open a half hour.
10. I was in bed eleven or more hours last night, windows open.
11. I had a complete bath on each day of the week that is checked (x).

"If, for fifteen weeks, he does fifty-four chores a week out of a possible seventy-two, he earns a certain title, receives a

button, and can then work for the next title with slightly different chores. A careful record of his weight is kept and its significance explained to him. For this purpose the Visiting Nursing Association has given a set of scales to each of nine elementary school districts.

"As a result of this strong emphasis on personal habits, many children come to school cleaner, milk and healthful foods grow in use while tea and coffee lose popularity, a bath becomes a 'habit' instead of an 'Event', and a correct standard of what one ought to do is established. A desire to stand well with his fellows sometimes tempts the pupil to pad his score, and right here is the opportunity for the teacher to strengthen the pupil's moral fiber by stressing the desirability of truth.

"The enthusiasm of the Crusade spreads to grades below and above the fourth, thus accomplishing much.

"Hot water, soap and towels in our schools would greatly aid in fixing habits of cleanliness."

"FLORENCE A. CHANEY,  
*Supervising Principal.*"

"Three years ago I wrote you at some length concerning some mental testing we had been carrying on with our sixth grade. From your Annual Report, 1921, page 22, I quote the following from this letter,—'we are trying to find the best psychological method of determining the mental efficiency of the children in the different grades above the fourth. The time is not far distant when mental ability will form the fundamental basis for all grading, classification, and promotion.'

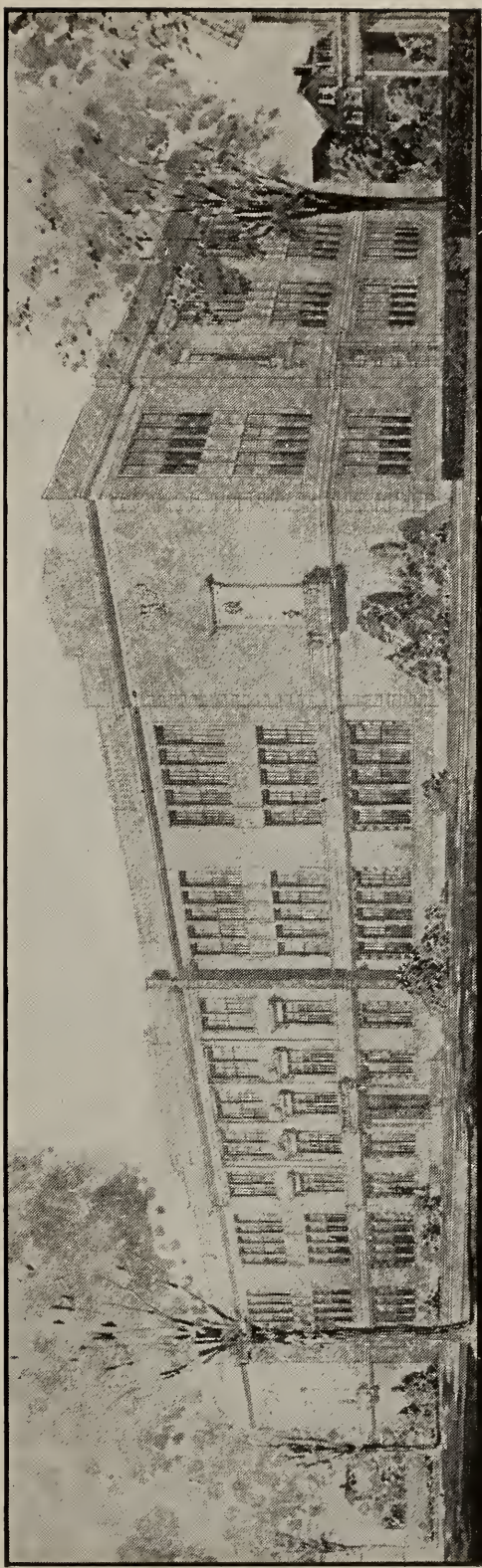
"I have felt that you would be pleased to have me continue these experiments and gradually make a classification on the basis of a 'properly administered and correctly interpreted' mental measurement of our pupils.

"You were always careful to say that this task of testing and classifying the pupils of the school should be wholly voluntary on the part of the teachers and principal; that the pressure must come from within, not from without.

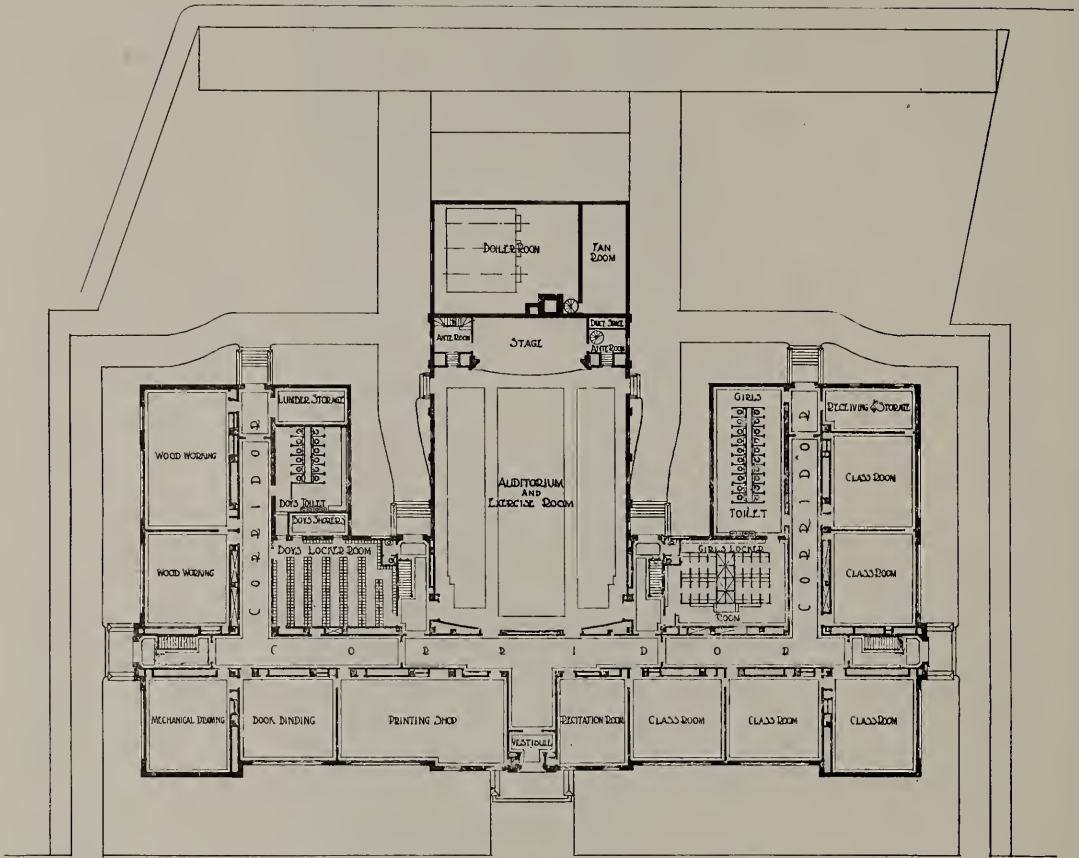
"It thus seemed to the teachers of the Edgerly school that it was up to them to make as thorough a study of the subject as possible and to give their best effort to the work of regrouping our pupils along the line of their intelligence, their capacities, and their aptitudes.

"We were especially fortunate in having on our faculty an exchange teacher from California who was well qualified by experience and study to give these tests.





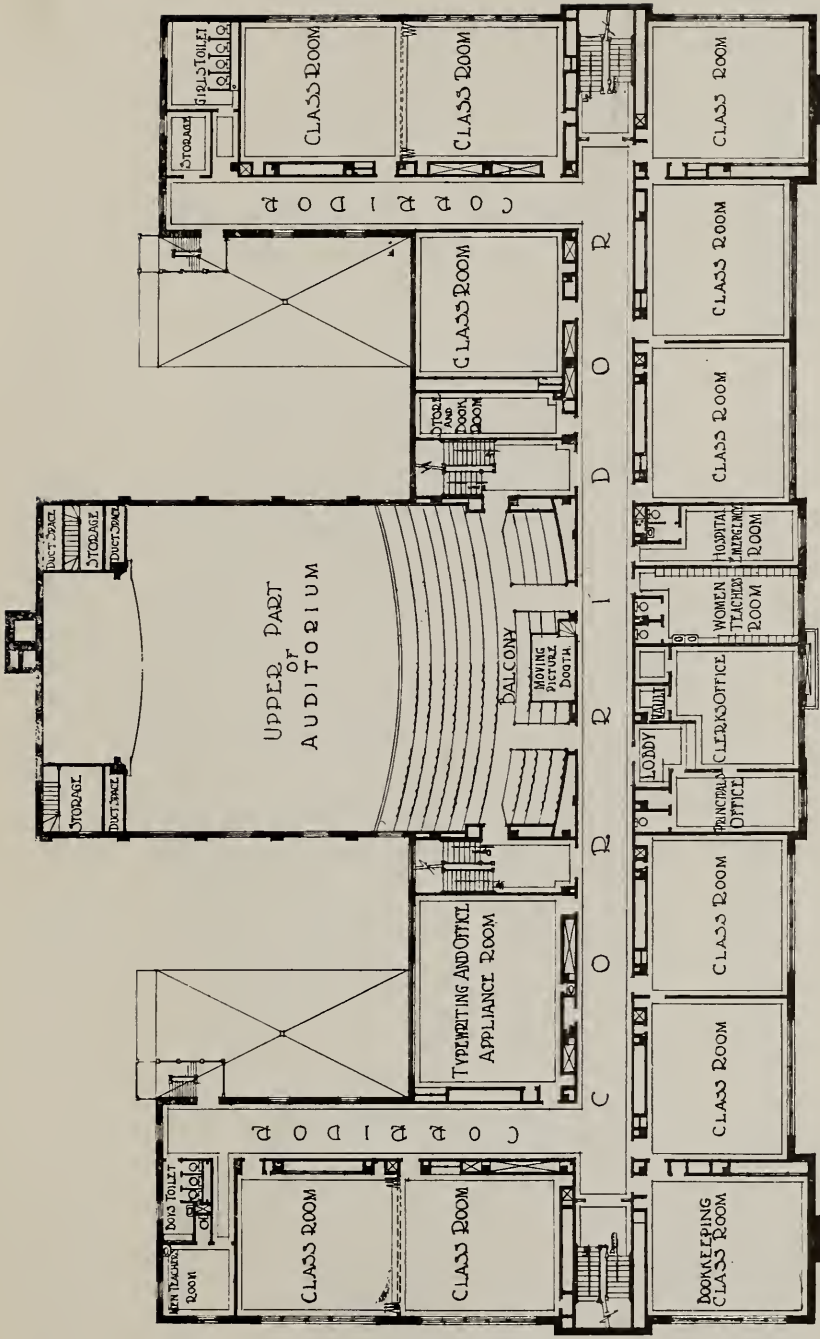
NORTHEASTERN JUNIOR HIGH SCHOOL  
LEONARD B. CHANDLER SCHOOLHOUSE  
MARSHALL STREET, SOMERVILLE  
OCCUPIED MARCH 3, 1924



GROUND FLOOR PLAN

NORTHEASTERN JUNIOR HIGH SCHOOL  
 LEONARD B. CHANDLER SCHOOL HOUSE  
 FOR THE CITY OF SOMERVILLE, MASSACHUSETTS

BITCHE, PARSONS & TAYLOR, ARCHITECTS & ENGINEERS 15 ASHBURTON PLACE, BOSTON, MASSACHUSETTS

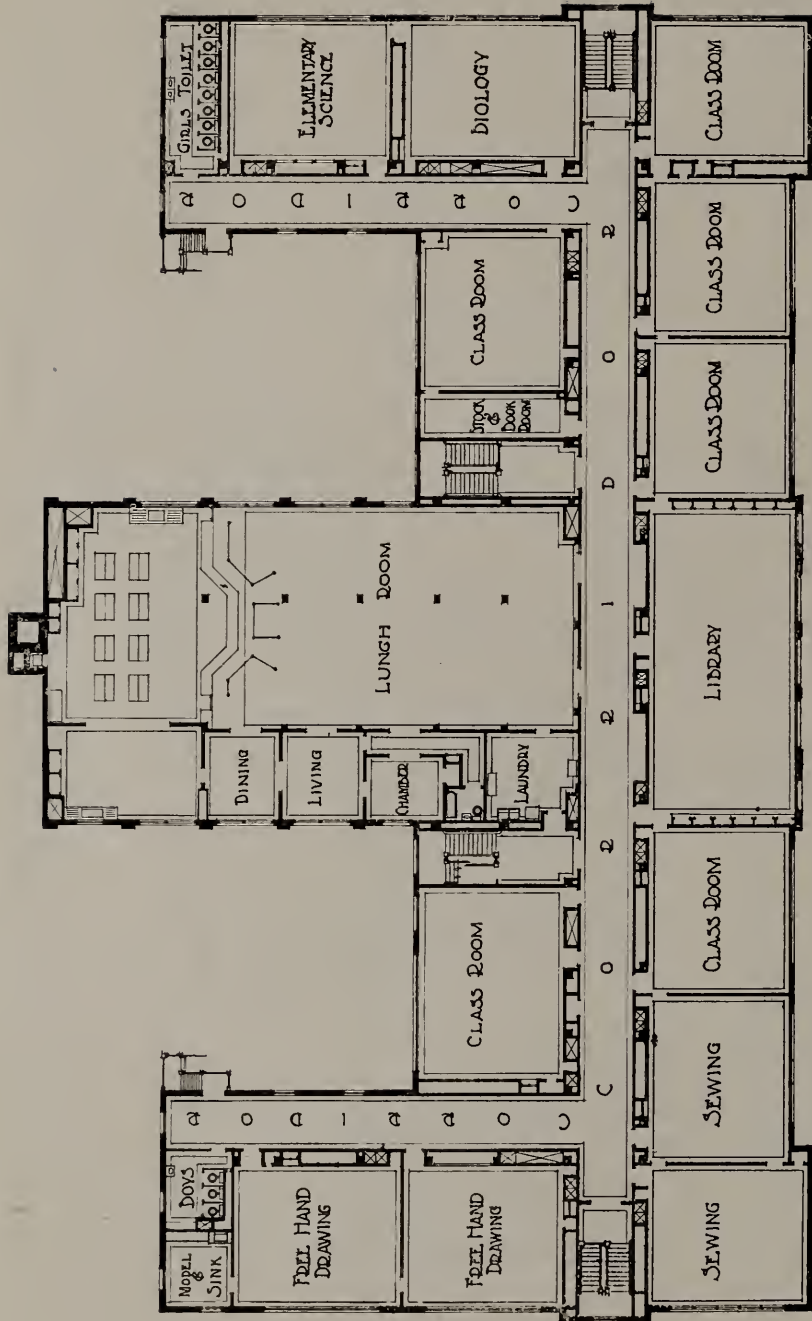


FIRST FLOOR PLAN

NORTHEASTERN JUNIOR HIGH SCHOOL  
 LEONARD D. CHANDLER SCHOOL HOUSE.  
 FOR THE CITY OF SOMERVILLE, MASSACHUSETTS

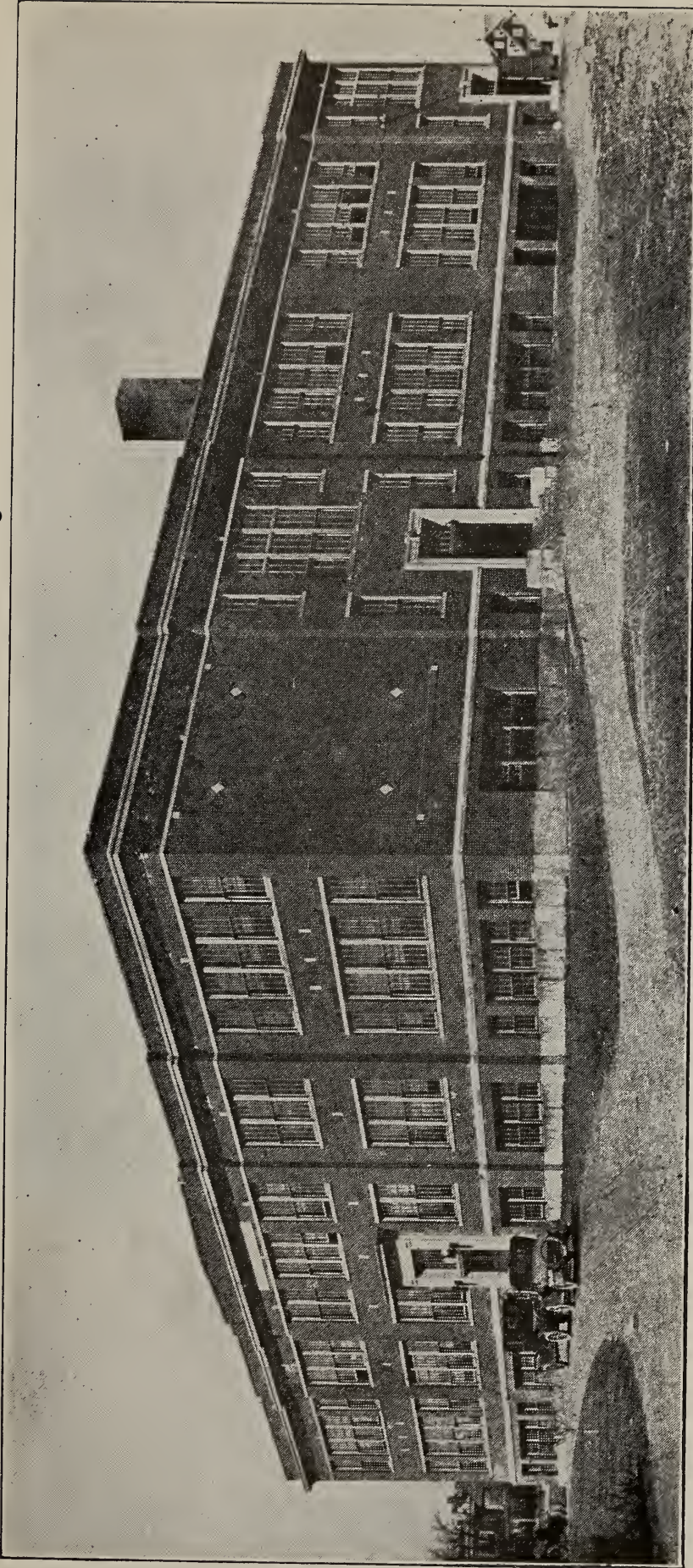
RITCHIE, PARSONS & TAYLOR, ARCHITECTS & ENGINEERS 15 ASHBURTON PLACE, BOSTON, MASSACHUSETTS





SECOND FLOOR PLAN

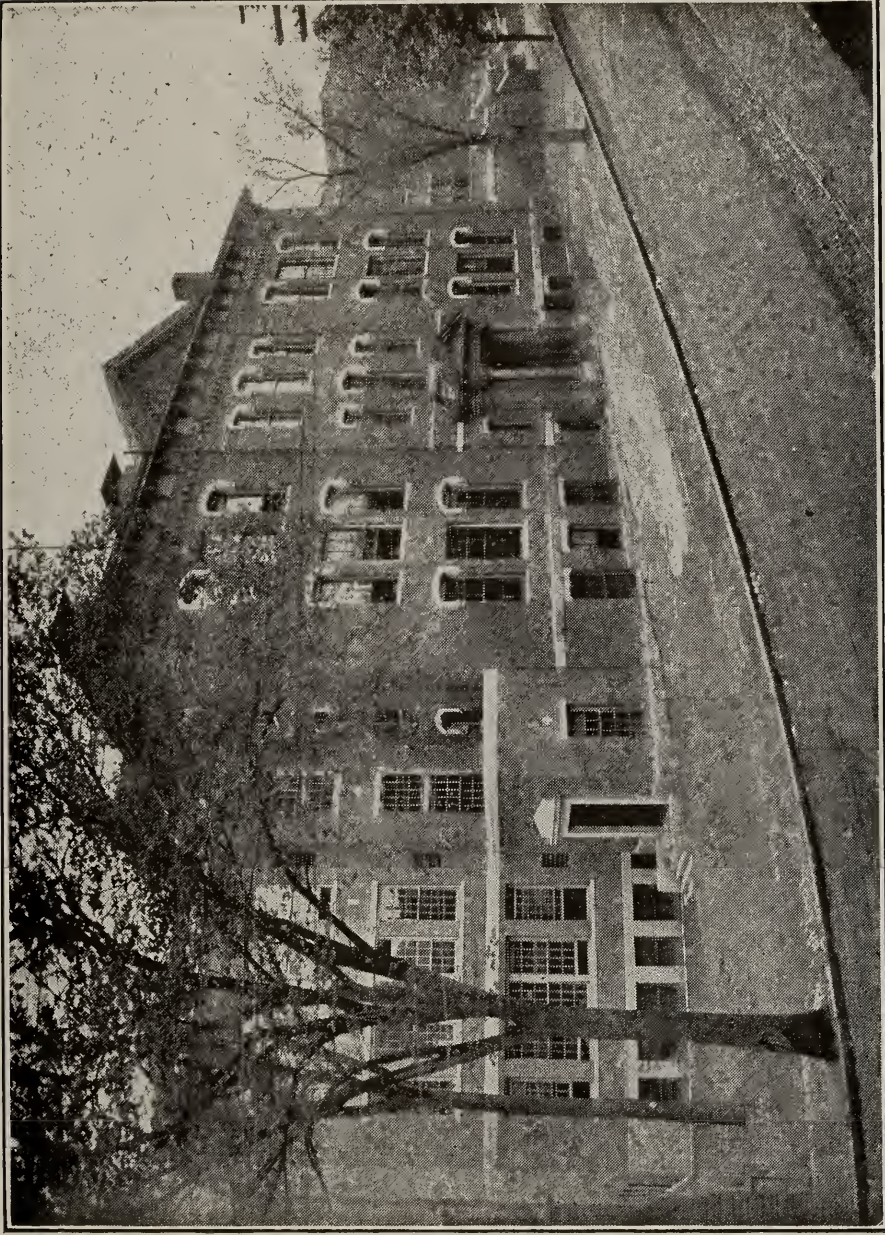
NORTHEASTERN JUNIOR HIGH SCHOOL  
 LEONARD D. CHANDLER SCHOOL HOUSE  
 FOR THE CITY OF SOMERVILLE, MASSACHUSETTS  
 BITCHIE, PARSONS & TAYLOR, ARCHITECTS & ENGINEERS 15 ASHBURTON PLACE, BOSTON, MASSACHUSETTS



WESTERN JUNIOR HIGH SCHOOL  
ZEBEDEE E. CLIFF SCHOOLHOUSE  
HOLLAND STREET, WEST SOMERVILLE  
ADDITION OF EIGHT ROOMS AND AUDITORIUM, OCCUPIED MARCH 1923.







SOUTHERN JUNIOR HIGH SCHOOL

BELL SCHOOLHOUSE

VINAL AVENUE, SOMERVILLE

ADDITION OF EIGHT ROOMS OCCUPIED MARCH 1923





"With this teacher as the guiding spirit and with the untiring and sympathetic support of all the members of the faculty we undertook the task of giving Intelligence and Standardized Tests to our three hundred eighty fifth and sixth grade pupils and of arranging in groups, and in a limited class, our present sixth grade.

"We gave to each of these pupils the following: National Intelligence test, Spelling test based on the Ayer's scale, Stone Reasoning test in Arithmetic, Trabue Language test, Woody-McCall Mixed Fundamentals in Arithmetic, and the Thorndike-McCall Reading test.

"As a result of these mental and educational tests and the teacher's estimate of ability we selected

1st. A class of thirty-eight pupils to be promoted to the Junior High school with recommendation for Special Instruction with a modified course of study;

2nd. A limited class of thirty-four to be promoted to our sixth grade and placed under the guidance of one of our strongest and most sympathetic teachers.

"Since September, on account of the crowded condition at the Edgerly school, this class has been increased to fifty-three pupils and an assistant teacher has been added.

"In this limited class were placed the over-age pupils and those who had fallen below the average rating as given for standard tests for this grade. The Intelligence Quotient for pupils in this group was from 60 to 90.

"We have now been working with this new classification for about four months and it is the unanimous opinion of all the teachers that it has brought about excellent results. Without doubt it has served the purpose of interesting teachers in the study of individual children and the planning of their teaching to fit the level of the mental ability of the class.

"This limited class follows the Course of Study prescribed for regular classes, the teacher being permitted to eliminate and abbreviate in order that there may be time for drill on essentials.

"As I visit this limited class, your definition of a good school often comes to my mind. 'In a good school the children are busy, interested, happy, and successful. There is no feeling of failure in the air, no compulsion, no depression, no gloom.'

"This, of course, is an experimental period with us. We are, however, thoroughly convinced that the individual child must be studied and his needs met, whether he be in the slow group, the average group, or the superior group, and that in-

telligence and attainment tests properly administered and interpreted will serve a long felt want."

"CHAS. E. BRAINARD,  
*Supervising Principal.*"

### ACCOMMODATIONS

This year has been the most conspicuous one in the history of the Somerville schools for the number and extent of additions to the school accommodations. The Zebedee E. Cliff Schoolhouse has been increased by the addition of an auditorium, six classrooms, a lunchroom, and a large basement room suited to a variety of purposes. The Bell Schoolhouse has been enlarged by eight rooms. A third building, the Leonard B. Chandler Schoolhouse, is so nearly completed that it will be occupied early next year. This building, a thoroughly modern, fireproof structure, will provide accommodations for about 1500 pupils and will be a model of serviceability and economy. It has been carefully planned with a view of adaptation to the work of a junior high school organization. When this building shall be opened early next year, the withdrawal of pupils from the Eastern and Northern Junior High Schools will release in those places rooms which will be needed for other school purposes. These additions to the junior high schools have relieved the overcrowding which had long existed in two schools, and have made possible conducting of the work there in a more efficient manner. At the Southern Junior High School the partial two-session plan which had been in use for some time was abandoned when the new addition was finished and the whole school was put on the one-session plan.

Besides this new construction, land has been added to the school grounds at the Southern Junior High School, and the tract known as the "ledge lot" has been put into condition for use by the pupils of the Western Junior High School. At the Carr School the wooden house once used for the Girls' Vocational School has been removed and its site has been made a part of the school playground. A large addition has been made to the grounds at the Durell School. These very substantial improvements have been wisely provided in response to manifest needs. They will be of lasting benefit to the schools and through the schools to all the youth of the city.

While the present condition in the Southern Junior High School is far in advance of that which has prevailed, it should be clearly realized that this plant is not yet adequate to the

needs of the school. Here are assembled every school day more than one thousand children, twelve to fifteen years of age, a period of life characterized by extreme physical activity. For these children the school plant provides little opportunity for physical exercise. The school yard is small. The street is a narrow thoroughfare for automobiles, dangerous to children even in the act of crossing it. There is no indoor place at all free for use for physical exercises. It is, of course, practically impossible to furnish at this school an outdoor playground large enough to meet the needs of its pupils, but it is possible to construct another addition containing a large room suitable for use as an exercise room, and an assembly room. Indoor space should be provided large enough for the separate physical training of boys and girls. This need will remain, always demanding attention, until such an addition has been made.

A corresponding need exists at the High School. Headmaster Avery in his annual report to the Superintendent of Schools calls attention to the fact that the High School Buildings are again overtaxed, and makes a plea for a careful consideration of measures for their improvement. He specifies particularly the lack of facilities for adequate physical training. This plea should be heeded. The High School plant has developed through a series of years by successive additions made chiefly to give more seating space. As a result of this growth, the buildings now are not as well adapted to the various educational undertakings carried on as would be a modern high school plant. In connection with furnishing more space to meet the present prospective growth of the schools wise planning can offset some of the present disadvantages under which the school works.

The need of facilities for physical training at the High School is greater now than ever before. For years school authorities have asked for a gymnasium for the High School. In my first annual report to the School Committee I made such a recommendation, but the need is greater now than it was then because physical training has now become one of the prescribed subjects of the course of study in public schools, and general interest in physical training as a health measure has greatly increased in the last few years. The statements which I have made above concerning the Southern Junior High School apply with equal force to the High School. I recommend that the city provide, at an early date, a structure designed to give space enough for two exercise rooms, one for girls and one for boys. This building should be so constructed that the girls' play room and the boys' play



room could be used at the same time as separate exercise rooms, or could be combined into one room when desired. Under the latter conditions it could be used as an assembly room for larger gatherings than can be accommodated in the auditorium. This use would be valuable to the school and to the community alike as there are occasions when it is desirable to provide for a larger assembly than the auditorium will seat. The type of structure contemplated in this recommendation is not expensive. The play rooms do not require expensive apparatus or other outfittings. Sufficient floor space, adequate showers and lockers, brick walls, height of ceilings, ventilation and sufficient heating apparatus to insure a temperature between 60 and 65 in winter weather are essential characteristics of such a room. As a final reason for urging this provision, I call attention to the fact that Somerville is a city thickly populated, with insufficient play areas for the children of the city. The streets are impossible for play purposes.

There is, therefore in this city unusual and urgent reason for control by municipal agencies of the play instincts of children. This control should not be preventive merely, but should be constructive, furnishing for the children sufficient opportunity for safe and wholesome play as a means for physical development and health. Such constructive control cannot be adequately furnished to children in this city without additional indoor opportunity for play and physical training. The loss of the gymnasium of the Y. M. C. A., and the refusal of State authorities to allow High School pupils the use of the State Armory has still further restricted the opportunities which our youth have enjoyed in the past. Consequently, these opportunities are now at the smallest extent in the history of the city. The one bright spot in this view is the fact that an exercise room has been constructed this year at the Z. E. Cliff School, and that one will be available in the Leonard B. Chandler School. These acts give reason for the hope that it will be possible in the near future to give these much needed improvements for the benefit of the High and Southern Junior High Schools.

#### TEACHERS

	High	Jr. High	Elem. inc. kind.	Voca.	Total	Increase
Dec. 1923.....	74	119	227	9	429	7
Dec. 1922.....	71	116	226	9	422	

Forty-eight teachers were elected during the last year, and were assigned as follows: High School 7; Junior High Schools 23; Elementary Schools 15 (This includes 1 new atypical teacher); Continuation School 1; Physical Training Supervisors 2.

All of these teachers have had professional training or successful teaching experience. Most of them had had both before their election to positions in the Somerville schools. Fifteen teachers had had professional training and one year of experience. Thirty had had two or more years of successful experience in teaching. Three men elected for Manual Arts Work had had long and successful experience in Woodworking.

Twenty-one teachers resigned: 8 to be married; 7 to accept better paying positions elsewhere; 6 for other causes.

Two teachers were transferred from Junior to Senior High.

Two teachers were transferred from one elementary school to another.

There were three deaths, and six retirements.

Unusual were the losses of teachers during the past year. Death claimed three who were for many years highly successful and dearly beloved by all who knew them. Miss Mabel C. Mansfield, a teacher of the Edgerly School, Miss Alice L. Davis, a teacher of the Southern Junior High School, and Miss Clara A. Johnson, a teacher of the High School, by faithfulness, efficiency, and personal characteristics had endeared themselves to a wide circle of acquaintances. They will not be forgotten by any who came within their personal influence.

Other teachers equally well-known were taken from the schools by retirement:—

Miss A. Marion Merrill, long the head of the Department of English in the Somerville High School, Miss Mina J. Wendell, since 1882 Principal of the Morse School, Charles G. Ham, since 1898 Principal of the Carr School, Miss Mary H. Joyce, for many years a teacher in the elementary school, Miss Alice I. Norcross, for many years a conspicuous figure in the Pope School, and Miss Alice S. Hall, long a teacher in the Hodgkins School. All of these teachers through long service had attained a wide influence in the community. To lose so many well-known teachers in one year is fortunately unusual. The taking away of such influences as these necessarily leaves the schools poorer until such loss can be made up by the contribution of new and growing life.

In appreciation of the long services as masters of elementary schools, the School Committee on June 22, 1923, conferred



the title of Master Emeritus upon Miss Mina J. Wendell and upon Charles G. Ham. At the same time and for a like reason, the Committee bestowed the title of Master Emeritus of the Somerville Latin High School upon Dr. George L. Baxter, for many years Master of the Somerville High School.

### *Professional Study*

Our teachers have continued to show interest in self-improvement by means of professional study. In response to an inquiry sent out from the Superintendent's Office, principals reported the number of their teachers who were taking outside work for professional improvement. No attempt was made to limit these replies to any particular form of professional study. Hence, this inquiry did little more than to show to what extent the idea of professional growth through study is affecting our teachers. More than one-third of the total number of teachers was shown through these reports to be taking some kind of outside professional work. When it is borne in mind that this is purely voluntary action on the part of these teachers, unaffected by official inducements or compulsion, this condition can be regarded only as highly creditable to the professional spirit of our teachers. A corresponding condition was noted in my annual report last year.

In view of the fact that changing conditions in social, business, and civic affairs are compelling reorganizations of educational agencies, and a readjustment and improvement of educational methods, it is evident that there is an increasing need for teachers in the service to pursue professional studies. Therefore, it is a timely and far-reaching act for the School Committee to provide, as one of its last measures for the improvement of the schools, a plan by means of which teachers may secure increase of pay in recognition of professional study while in the service.

### COOPERATING AGENCIES

Important help has been given the schools by the cooperation of various civic organizations. Chief among these are the Parent-Teachers' Associations which are connected with most of our schools. The meetings of these Associations have been well-maintained and well-attended and have promoted an understanding between the teachers and parents of pupils which would otherwise have been impossible. These meetings, moreover, have furnished the administration valuable opportunity for spreading among the patrons information about the schools which otherwise would have remained unknown by them. In addition to this valuable function, the meetings

have afforded an opportunity for the discussing of important educational topics by speakers who are qualified to give informative opinions upon them. In these and other ways, Parent-Teachers' Associations have given and performed a useful service for the schools.

Another organization which has been most helpful to the schools is the Somerville Visiting Nursing Association. During the past year, this Association has financed the cost of material for conducting the Modern Health Crusade in the fourth grade classes in the city, and has also furnished a set of scales for nine school districts. It is still actively interested in this work and will continue the activities already begun. A very significant benefaction to the schools was a gift of \$400 made last year by a group of ladies interested in the Dental Dispensary. As a result a modern dentist chair has been furnished, a dental engine has been secured, and a sufficient balance remains for other needed improvements.

Anne Adams Tufts Chapter D. A. R., Sons of Veterans, the W. C. T. U., George Dilboy Post, V. F. W., and the Edison Electric Light Company, are other organizations which have rendered direct help to the schools. These agencies do not cause interruptions of school work but on the contrary contribute directly to its more successful performance.

#### APPEALS TO SCHOOL CHILDREN

During this year, various causes have sought the assistance of school children in the accomplishment of the purposes of adults. Many times when it is proposed by adults to raise money for some philanthropic, benevolent, or patriotic purpose, the first impulse seems to be to ask the children of the public schools to contribute to the funds of this project. In other cases, organizations exist for the purpose of promoting some other objective than the raising of money. Under such circumstances, it is conceived to be desirable to establish the purpose of the organization through special instruction to the children in the public schools. Hence it is getting to be a matter of great frequency for organizations of one kind or another to present a request that a particular appeal be presented to the school children. During the last year, there have been the usual number of such cases. The School Committee, however, has refused to allow most of such requests to be brought to the attention of pupils. In view of the fact that two appeals of a national character are now waiting for action of the School Committee, and in view of the fact that appeals for causes remote from the experience and knowledge of the school children are apparently increasing in

number, it is necessary to raise the question why such requests should be permitted to come into the schools at all. The schools exist to instruct children in knowledge which they need, for the acquisition of which their time in school is all too limited. The schools also exist to train children in practices which will develop moral character and skill needed to sustain them in the life of the world. For both of these purposes the curriculum of the schools provide material. Unless, therefore, an appeal made by an outside agency can contribute something directly to one or the other of these two purposes, it ought not to be allowed to take the time or the attention of teachers or pupils. Some such causes undoubtedly there are, but their number is very few in comparison with the flood of appeals which flows in upon the schools.

#### CONCLUSION

This report has touched briefly upon the most outstanding features of the school organization and of the work accomplished under it during the year. It points out how the organization of the schools is consistent with both the trend of educational discussion of the present time and with the resources placed at the disposal of the School Committee. It shows how the various departments of the school organization are carrying on their respective enterprises. This account shows abundant reason for our citizens to be gratified with the work of the schools. In march with the sentiment of the times the schools are doing efficiently the work of instruction in the field of knowledge, and the work of training in the forming of right habits in the field of social relationships,—personal and civic. This is a demand made by society upon the schools today. It is a task of constantly increasing difficulty. It involves meeting and solving new problems. It forbids a lethargic reliance only upon the past. It requires the facing of the future with courage and determination to meet its needs successfully.

With such a view of its obligation and with such a spirit of service, the school organization closes the old year and faces the new. I call attention to the reports of principals and teachers which, because of their length, will be printed in another part of this report. These statements give details of the work that is being done in important departments and afford the data on which my generalizations are in part based.

Respectfully submitted,

CHARLES S. CLARK,

*Superintendent of Schools.*

December 31, 1923.



## REPORT OF THE HEAD MASTER OF THE HIGH SCHOOL

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

Dear Sir:

I am herewith submitting my annual report as high school principal.

The problem of accommodating pupils in a high school involves two requirements—first, rooms with desks for every pupil; second, rooms adapted for the performance of exercises requiring special equipment. The Somerville High School is seriously deficient in both types of rooms and because of this deficiency and because of the likelihood of a still larger school membership in the near future I am bringing up this matter now as of vital importance. The building at present has 1718 desks. In September 1923 there was a membership of 2048. The excess, 330, were placed at typewriting tables, sewing tables, laboratory tables, or at tablet arm chairs and in all such cases had no proper places in which to keep books and supplies or on which to write. Rooms used for such a purpose include three typewriting rooms, two lecture rooms, a sewing room, a biological laboratory, and three recitation rooms.

Merely furnishing desk room for pupils represents only one phase of the requirements for their high school education. Laboratories for the sciences, drawing rooms, freehand and mechanical, manual training rooms, typewriting rooms, rooms with special equipment for bookkeeping, commercial geography, and banking, a room supplied with various types of office equipment such as adding machine, duplicators, etc., a hall for the assembling of small groups (200 to 300), proper gymnasiums with dressing rooms and shower baths, rooms adapted for special extra-curricula activities such as a school paper, band, orchestra, debating, radio club, etc., are all necessary. In rooms of this kind we are lamentably deficient. Our laboratories and special commercial rooms are inadequate and rooms equipped for gymnastics or for the exercises of social and civic activities are entirely lacking. Is it not



time to examine the housing situation of our high school sanely and carefully both from the view point of the present needs of the school and those of the future?

*Students' Council*—The Students' Council holds a valuable and helpful position in the school. During the year 1923 it has held weekly meetings, at which it has discussed many questions affecting the school. The subjects discussed have been broad and pertinent. A few are indicated below.

(1) Method of conducting class election. Plan to abolish sectionalism among candidates. Discussion regarding raising scholarship standard of candidates for class officers.

(2) Plans for conducting a Students' Council Assembly.

(3) Dropping one of its members for misconduct.

(4) Request for additional fire extinguishers sent to the Commissioner of Buildings.

(5) Resolutions passed requesting a gymnasium.

(6) Exit and entrance placards and one-way stairway signs.

(7) Resolution in favor of having an American Flag in every room.

(8) "Lost and Found" Bureau established.

(9) A definite plan for supervising and ushering at all assemblies, assigning a position for each Council member.

*School Matron*—In the fall of 1922 Mrs. Minne T. Wyman was elected school matron. She entered on her duties well fitted professionally. She has made a place for herself by her tact, sympathy, and real knowledge of young people. Her report is as follows:

"The improvement of physical and moral conditions is my aim by these various methods. Daily personal interviews with girls are increasing greatly by their voluntary inclination as well as by my observation of their needs. I have given group talks in Personal Hygiene and Hygiene of Environment, also in Good Manners, to girls of the entire school. (A period of twenty minutes.) Preventing girls working outside school hours is a big problem. Many are physically unfit and do not need to work. In every case it lowers the standard of health and also of school work. In this prevention I have been successful with a large number as well as in encouraging more outdoor exercise to replace work.

"My records show definite cases of a serious nature that

I have observed and advised. There are fifty-seven medical and twenty-two surgical cases that would otherwise have been neglected indefinitely or beyond help. These required a great deal of follow-up work. A number of girls have been working in homes for their maintenance where the environment was unsuitable. These I have changed, after consulting with a guardian, to better homes. In some cases I have visited homes to get better cooperation in order to improve physical defects. Such improvement has enabled girls to continue school who otherwise could not.

"Dismissals have been greatly reduced and class time saved when possible and when short rest periods would suffice. Frequent absence has been followed up and teachers interviewed regarding the cause. This has improved both health and attendance.

"At present I am working on a physical inspection of sophomore girls covering posture, eye, ear, throat, nose, teeth, and personal care. (Twenty minute period.)

"There is some improvement in bodily cleanliness and proper dress of those with whom I have talked; however more frequent contact would accomplish more.

"The following necessary improvements have been made by my proposal: Paper towels in all girls' rooms, and the rooms freshly painted and cleaned. These rooms are now daily ventilated. Teachers' rooms also have been cleaned and painted.

"Another year no doubt a great deal more can be done by frequent and more regular meetings with the girls."

*School Library*—The school library holds an important place in modern education which is being recognized more and more. It furnishes books, magazines, newspapers, and clippings for all departments. The following is a report by the school librarian:

"The West Library issued eighteen thousand nine hundred and fifty-one permits to pupils between January 1, 1923 and December 1, 1923. The number of pupils actually studying in the library exceeded that number as no record was kept of the number of pupils studying here after school. The library was closed many periods to study pupils as classes met there for library instruction.

"The cooperation of the faculty with the librarian has been very helpful and gratifying. The number of teachers spending an entire period in the library was two hundred and forty-three. No period passes without three or four

teachers coming to the library for some book or to use the reference books.

"All pupils in the Senior and Junior classes have been instructed in the use of about twenty of the most important reference books. The Sophomore class has been told about the two libraries in the High School and their rules, reviewed on the Dewey Decimal Classification and the Card Catalogue, and taught the care of books and the use of the index, notes, etc. of a book and some of the more general reference books. The Debating Classes have been taken to the Public Library where the High School Librarian instructed them how to use the Readers' Guide to Periodical Literature and where to find the magazines mentioned therein. The aim of this instruction is to enable pupils to use books more intelligently, to know which books to use, and how to find them.

"Classes have been brought to the West Library to examine books and pictures which illustrate their class work. This has been done many times this year in the case of Tennyson's "Idylls of the King." The pictures in the library are copies of Edwin Abbey's "Holy Grail." From these pictures with the booklet describing them and the King Arthur stories illustrated by Arthur Rackham, Walter Crane, N. C. Wyeth, and Howard Pyle the pupils receive much more knowledge and inspiration than from Tennyson's poem alone.

"There have been occasional Library Reading Hours in the last period on Fridays which are conducted entirely by pupils. Pupils who have a study period are permitted to attend. Some of the subjects have been Short Stories, Modern Poetry, Czecho-Slovakia, etc. At the time that the Czecho-Slovakian children were here pupils from Miss Tuell's history class conducted the hour. They told of the history, arts, and literature of Czecho-Slovakia, and there were pictures on the bulletin boards illustrating the talk. One of the Senior boys who was of Bohemian descent read their national hymn in Bohemian and then the English translation of it. Pupils from the Elocution classes have also conducted the hour.

"The total number of books circulated for home use was six thousand three hundred and thirty-eight. One hundred and twenty-eight books were purchased and fourteen magazines were subscribed for. There are approximately two thousand books owned by the school and five hundred by the Public Library in the West Library.

"This year a picture collection has been commenced. The pictures are being mounted uniformly and classified. A col-



lection of smaller pictures is being made for the reflectoscope.

"The High School is very fortunate to have a Public Library that is so willing to put its resources at our disposal."

*Dramatics*—The Somerville High School Players' Club is now in its second year of existence.

The purpose of the club is to present to the members of the High School plays of good literary and historical value, and to give to the members of the club the power and poise that comes through appearing before a critical public—the most critical of all publics—fellow members of their own school. The club encourages the writing of original plays, and as a result some of literary worth have been submitted, accepted, and presented.

Through the Club weekly recitals are held in the school library at which memorized readings from modern and classic authors are given by pupils.

The Club has become a member of "The Students' Repertory Theatre Association of New England" inaugurated by the "Copley Theatre Players."

Through this association large numbers of pupils have been able to see at a greatly reduced admission such worth while plays as "Disraeli", "Oliver Twist", "The School for Scandal", "The Truth about Blayds" and other productions of high standard.

*Music*—Progress has been noted in the different musical activities in the Senior High school, even though operating under disadvantageous conditions as to room, time, and equipment. There has been an increase of interest by those enrolled and an increase in the number of pupils so enrolled.

Nearly 150 pupils asked for credit for applied music and slightly more than 100 actually filed their applications. As many of these as return their quarterly reports will be eligible for examination next June.

The orchestral players have been divided into two groups:—a first orchestra, numbering about 25 of the more competent and reliable players in such proportion as to form a musically balanced group; and a second orchestra which includes all the other players, some forty in number. This second orchestra is not formed with regard to balance and plays easier music, more suited to the capabilities of most of its members.

Dividing the orchestra has resulted more favorably than



was generally expected. Each group has developed an individuality, plays better, is holding a higher percentage of attendance, and the members take more interest and enjoyment in the music which they perform. Several of the unusual stringed instruments have just been provided.

The school band is this year the best the school has had. It numbers 28 players, some of whom are of more than average musical ability. With the exception of a shortage of clarinets, the instrumentation has been fairly well balanced, but the balance will soon be improved by the addition of several instruments just acquired.

The band has made three creditable public appearances during the year, and by its presence and playing has also encouraged the school spirit at most of the football games of the past season.

The band turned out at the Thanksgiving Day game wearing blue caps ornamented with red cord,—the first step towards a uniform which it is contemplated will be carried further towards completion during the coming months.

Many pupils in the orchestra and band own their own instruments, especially those playing violin, cornet, clarinet, and trombone. Most of the other instruments are supplied by the city, and it is to that number that recent additions have been made. All the instruments owned by the city are in use by pupils and more could be so placed if available.

It is only by sufficient number of such instruments that the proper tonal balance can be obtained. More instruments would add greatly to the scope and effectiveness of the work.

The Girls' bugle, fife and drum corps now numbers 20, with 30 more girl pupils learning to play those instruments. Such of the latter number as attain suitable proficiency will be added to the group during the remainder of the school year. The bugle section is stronger than heretofore, owing to the use of five bugles which were purchased early in the fall.

The Boys' fife and drum corps has a present enrollment of 28, with 51 more under instruction. The majority of the latter are learning to drum and this will necessitate the formation of a separate drum corps later.

The Mandolin Club, Girls' Glee Club, and Boys' Glee Club are prosperous and are doing worthy and enthusiastic work.

There is need of better accommodations and protection both for instruments owned by pupils and brought to school

on the days upon which they are to be used, and for the instruments owned by the city and because of their size, kept in the schoolhouse. There is also need of a suitable place in the school where rehearsals could be held without conflicting with other school activities.

*Assemblies*—During the past year a definite plan has been carried out under the direction of a committee of Masters for using the Wednesday morning assembly periods to bring before the school speakers and other forms of educational entertainment.

During the year several teachers have left us but noticeable for her length of service and imprint on the school was Miss A. Marion Merrill, head of the English Department. She has seen her department grow from 500 to over 2000 pupils and from 3 to 16 teachers. Untiring in effort, faithful, inspirational, she leaves the school with the appreciation and respect of fellow teachers and the best wishes of thousands of pupils who have been so ably instructed and advised by her.

Respectfully submitted,

JOHN A. AVERY,

*Head Master.*

January, 1924.

#### REPORT OF PRINCIPAL OF VOCATIONAL SCHOOL FOR BOYS

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

Dear Sir:—

I submit the following report for the Boys' Vocational School for the year 1923.

The enrollment is up to the capacity of the school with a sizable waiting list for all departments. To make the school more efficient and give the boys an opportunity to enter other trades than those now offered, I recommend that printing, auto painting, house painting and decoration, and electrical work be added as soon as possible. The latter

would greatly facilitate the work of the auto department; in fact an electrical course is necessary for the proper training of the boys in auto mechanics.

Additional equipment in the auto department is needed to provide for the proper training of men in evening courses and allow the re-opening of the school another year.

I believe this an opportune time to report the following statistics relative to the past work of the school:

YEAR	Enrollment	Average Membership	Per Cent Attendance	Graduates	Graduates Entering Industry	Withdrawals Placed In Industry	Productivity	Work done for the School and City
1910	67	34.6	97.2	.....	.....	.....	.....	.....
1911	78	40.2	87.9	.....	.....	.....	.....	.....
1912	91	48	89.6	13	5	4	.....	.....
1913	73	55	92.8	14	5	5	.....	.....
1914	80	51.9	94.7	11	6	3	\$990.76	\$ 265.82
1915	87	56	95	10	8	24	1,841.74	1,350.84
1916	88	57.3	94	16	15	12	2 863.03	1,507.02
1917	71	48	96	18	17	22	3,215.33	1,684.10
1918	90	46	91.9	15	15	18	5,345.98	1,991.03
1919	92	61	91.8	9	8	15	4,928.88	794.99
1920	92	*66	94	18	17	36	4,698.69	1,475.65
1921	151	*110	97	5	5	8	10,167.93	1,975.17
1922	144	*119	97.3	6	6	17	5,634.79	1,774.01
1923	98	75.8	97.9	7	7	19	4,932.96	1,239.03

\* Includes ex-service men.

The State Report on Productivity for the past year presents the following audited report:

Value of all products . . . . .	\$4,932 96
Cash received and turned back to City and School . . . . .	1,040 26
Value of products for school and City Departments . . . . .	1,239 03
Value of products increasing value of School plant . . . . .	642 25
Value of material furnished by customers	1,185 43



## Financial Statement, 1922-1923

Gross Maintenance . . . . .	\$25,019 28	
Income:		
Smith Hughes Fund . . . . .	\$1,979 56	
Non-resident tuition . . . . .	5,276 23	
Cash from Products . . . . .	1,073 05	
	<hr/>	
Total . . . . .	8,328 84	
	<hr/>	
Net maintenance cost . . . . .	16,690 44	
Net cost per capita . . . . .		\$208.523
State Reimbursement . . . . .	8,345 22	
	<hr/>	
Net cost to City . . . . .	8,345 22	
Net cost per capita to City . . . . .		103.027
Labor and value of products on work for School and City Departments for which no charge was made . . . . .	827 39	
	<hr/>	
Net Cost to City . . . . .	7,517 83	
Net cost per capita to City . . . . .		92.812

Respectfully submitted,

HARRY L. JONES,

*Principal.*

January, 1924.

REPORT OF THE DIRECTOR OF THE CONTINUATION  
SCHOOLS AND AMERICANIZATION WORK

January 1, 1924.

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

Dear Mr. Clark:

I herewith submit a report of the Continuation Schools and Americanization classes for the year 1923.

Continuation Schools

The permissive Continuation School Act, passed some thirteen years ago, was used only by the City of Boston up to the time of the mandatory Continuation School act which was passed in July 1919. It was accepted by all cities and all except one town in the Commonwealth by a referendum vote in November 1919.



During the time the permissive act was in force the Boston Schools experimented with the various problems presented and it was believed that the problems had been solved. With the enforcement of the mandatory act it, at once, became apparent that the whole situation and solution of the problems depended on local conditions. The size of the school, the dominant industry, housing conditions, et cetera, all presented problems far different from those encountered by the City of Boston, thus making it necessary for each municipality to solve its own problems and organize its own institutions without reference to the established practices of Boston and those of other states.

Naturally all Continuation Schools had to pass through a period of experimentation to find the best solution for their individual situations. The State Department of Education was equally interested in the non-uniformity of conditions and aided materially in suggesting ways and means toward the solution.

Our problem was classified as a small school in a large city with no predominant industry. Various industrial activities in our city provide a few boys and girls each, but a great many of our boys are helpers on peddlers' wagons, grocery delivery boys and errand boys. Thus a program of vocational or pre-vocational work is practically out of the question. The solution then is along the lines of General Improvement, in which we attempt to conserve the education already acquired and extend it as far as possible during the short interval we are privileged to deal with the employed minor.

The third full year has been completed and we feel that experimentation is no longer necessary; the Continuation School has earned its place as a bridge between the regular schools and employment, and will remain a fixture as a part of the school system with but very few changes. These changes, however, will, no doubt, deal with the age and grade requirements of the attendants and not with the aims, methods and general functions of the school.

The membership, which reached its low limit in September 1922, due to the reaction of the closing of the World War, has slowly and steadily increased as was suggested in the report for 1922 until at the present time the schools have the largest four hour membership in their history. The membership on the last day of school was 196, of which 65 were girls and 131 were boys.

The twenty hour group which made up considerable of

our membership during the last school year has been greatly reduced by the fact that business is tending toward stabilization. In consequence, it has been possible to reduce our teaching force to the smallest possible number.

The percentage of attendance of the school has been increased by the reduction in the number of twenty hour pupils, for it was that group which presented attendance trouble. The report to the State Department of Education for the school year 1922-23 showed a percentage of attendance of approximately 90. Practically all of the absences however were made up, so that the gross per cent was approximately 94.

The Boys' school was decidedly unfortunate last September in the loss of its shop instructor, Lawrence E. Landahl who left Somerville to take a position in the faculty of the Fitchburg State Normal School. It is gratifying at least to know that the State Department of Education sought his services for such a position. H. Dunbar Davis, a practical shop man, is making every effort to fill the gap satisfactorily.

A comparison of the productivity (market value of the product) returns made to the state will be interesting to show how the work and interest have increased over the previous year.

1921-22.....	\$745 34
1922-23.....	\$1,199 80

I stated last year that material accomplishment, however, does not show the whole or real value of the school. That is shown by the inspiration and strength given most of the students to see and follow the path of duty as it comes to them in future years.

#### Americanization Classes

Americanization is the bringing together of the old and new America. It makes America known to the foreign born and the foreign born known to America. The Americanization classes in Somerville are designed to solve the great problem of moulding the foreign born element into capable citizens of our Republic, a task which apparently is much easier than influencing the old America to accept the new America.

The immigrant who comes to America finds himself in necessity of thinking in terms of the Old World. Since he

can hear and speak only through others, in his helpless ignorance he may be exploited and plundered and fall an easy prey to the labor agitator and the unscrupulous employer. He is disappointed in finding that conditions are not just as he expected, and the restrictions placed on him do not measure up to his idea of American freedom. The work of fusing the foreign born into the American life in the so-called "melting pot" is the duty of the State, for it must see that its citizens respect the laws of the land, and are imbued with the fundamental principles that underlie our social and civic ideals.

We must, then, make a unified people in order to protect the foreign born from the un-American practices of a comparatively few unscrupulous so-called Americans. The first step in this process, for it certainly is not a complete solution of the problem, nor a panacea for all the ills that may befall the foreign born in his new environment, is the teaching of a common tongue, the English language. No attempt at assimilation can be made without a common tongue.

This is part of the problem which is given over to the school departments by the State for solution. Various organizations have attempted Americanization work, but the problem is a public problem, not a private one.

It is the policy of the Somerville School Committee to provide such instruction wherever a group can be brought together for this purpose. Such "bringing together" is not a simple matter, for prejudices, influences and national characteristics are not easily overcome by a newspaper advertisement. We must sell the proposition to the foreign born individual personally.

The "Social Contact" side of the situation plays such an important part in the organization and development of our work that I have asked Mrs. Etta D. Ellsworth, one of the Americanization supervisors, to make a statement concerning "The Value of Social Contact." Her statement follows:

*"The Value of Social Contact in Americanization Work.* Americanization is a process of education,—winning the heart as well as the mind, through social contact and instruction. It is a delicate task for we are dealing with human hearts, inherited prejudices and racial passions.

"If we are to perform this task properly, we must have a knowledge of those we are seeking to initiate into our brotherhood. We can only acquire this knowledge by actual personal social contact.



"There is but one way to make a good American,—that is through sympathy and understanding. It is necessary to know the history of the present and past condition of the immigrant and the simple homely traits which manifest themselves in his manner of daily living. The form of procedure must be based on the psychology of the folk. This knowledge cannot be obtained at long range but by actual participation in the home life by constant visiting.

"Only by the most intimate relations can a supervisor gain the confidence of the new people, but once having gained it, nothing can sever it. After months and even years of visiting, she finds that she has built up a most vital clientele. These people constitute a wonderfully powerful nucleus upon which to build for future organization and development of the work.

"There is no magic of process which can be applied to all national groups. Each group must be given its own peculiar consideration and patient friendly visits.

Americanization is a mutual process, and success will never be realized while the foreign born are forced to live in unassimilated groups and remain the victims of civic disinterestedness. Here again innumerable opportunities for civic betterment are afforded through the visiting of the native born organizations, and bringing about a healthy state of cooperation between those who were placed here by the accident of birth and those who showed in advance that they were endowed with initiative by coming here.

"Perhaps one of the most vital necessities for the personal contact in this work is the status of the immigrant mother. Her husband and children absorb American influence in the school and factory,—she hears them speaking a new language which she does not understand, she is shunned by her American neighbors, and is even derided by her children. She has lost all authority over her children. The child becomes her mentor and interpreter. These tragedies are often reflected in the criminal court records which show that the number of offenders are children of foreign born parents and native born parents in the ratio of two and one half to one. It is interesting to note that this condition is improving since the closer personal contact with the home has been established. No longer does the immigrant mother close her door in the face of the Americanization worker, because she knows that she is not being patronized but helped to a better understanding of her new environment, and that only through the medium of the English language can she hope to cope



with her husband and children and her new life in America. A few specific cases may prove of interest:

1. Was witness in three court cases.
2. Was witness in cases of Naturalization.
3. Accompanied two racial groups of women to Naturalization court for first papers.
4. Accompanied three women for diagnosis and examination, X-Ray etc.
5. Took groups to visit the Legislature and courts.
6. Procured \$200 worth of work in embroidery for a woman whose husband was out of work.
7. Visited a dying husband in hospital and reported daily to wife who was ill in bed.

The true value of the personal touch in this work can never be estimated. It is the foundation upon which human relations are blended into the spirit of true understanding which alone makes for success."

"ETTA D. ELLSWORTH."

The size of the undertaking in Somerville has not changed materially during the last year, nor have the nationalities represented changed. To be sure, some of those who have attained an accomplishment sufficient to obtain Citizenship papers have left our ranks, but the new immigrants have more than filled the vacancies. At the present time the membership is 411, divided as follows:— Evening classes 274; Afternoon mothers' classes 95; Factory classes 10; Citizenship class 14; and Dressmaking evening class 18.

The appended table shows the location of centres, types of classes and time elements of the classes in operation when the schools were closed for the Christmas recess.

An innovation in Americanization work was started in the Morse School as an experiment. Dressmaking is used as the medium for the teaching of English. It has not been attempted with the idea of teaching the beginner English but to stimulate the interest of those who have acquired at least some English through attendance on Beginners' classes or by personal contact with English speaking persons. At this time it would not be advisable to make great predictions for the success of this undertaking but it seems probable that other classes of a similar nature will attract many who have not been sold on the conventional academic instruction.

In the interest of National Education Week the classes met in High School Hall on the evening of November 21,

1923. Mr. Charles S. Clark, Superintendent of Schools, presided. His Honor, Mayor John M. Webster, made an interesting address of welcome. The Director and two members of the classes told of the work in Somerville and members of the classes and the High School orchestra furnished a fine musical program.

In concluding this brief statement of the work, I want to give full credit to the supervisors and teachers and I wish to express my appreciation of their loyalty and cooperation.

Respectfully submitted,

EVERETT W. IRELAND,

*Director.*

Table Showing Location of Centres, Types of Classes and Time Elements of Americanization Classes

LOCATION OF CENTRE	No. of Classes	TYPE OF CLASS							TIME		Teachers	Sessions per Week	Average Length of sess. in hrs.	Hours per Week
		Beginners	Inter-mediates	Mixed	Citizen-ship	Mothers' Day	Factory	Dress-making	Days	Hours				
Glines School .....	2	1							M. Tu. Th.	7.30-9.30	3	2	6	Monira Gregory
			1						M. Tu. Th.	7.30-9.30	3	2	6	Harriet F. Ward
Morse School .....	5	1							M. Tu. Th.	7.30-9.30	3	2	6	Laura Flynn
		1							M. Tu. Th.	7.30-9.30	3	2	6	Marie Wiczorek
			1						M. Tu. Th.	7.30-9.30	3	2	6	Edith Laycock
						1			Tu. Th.	1.45-3.30	2	1 3/4	3 1/2	Mary A. Whitney
							1		Tu. Th.	7.30-9.30	2	2	4	Mrs. Nora Early
Knapp School .....	2		1						M. Tu. Th.	7.30-9.30	3	2	6	Mary A. Macklin
							1		Tu. W.	10.00-11.30 1.30-3.30	2	1 3/4	3 1/2	Mary A. Whitney
Bennett School .....	3		1						M. Tu. Th.	7.30-9.30	3	2	6	Estelle M. Crowe
							1		W. F.	1.00-2.45	2	1 3/4	3 1/2	Mrs. Etta D. Ellsworth
							1		W. F.	2.45-3.45	2	1	2	Mrs. Etta D. Ellsworth
Bell School .....	1		1						M. Tu. Th. F.	7.30-9.30	4	2	8	Sara S. Coyne
W. J. H. School.....	3	1							M. Tu. Th. F.	7.30-9.30	4	2	8	Carrie M. Frost
			1						M. Tu. Th. F.	7.30-9.30	4	2	8	Mary Laffin
							1		M. F.	2.00-4.00	2	2	4	Mary A. Whitney
Bingham School .....	2		1						M. Tu. Th.	7.30-9.30	3	2	6	Elisabeth S. Webster
							1		Tu. Th.	1.30-3.30 1.00-2.30	2	1 3/4	3 1/2	Mrs. Etta D. Ellsworth
M. W. Carr Co.....	1						1		M. W. F.	12.00-1.00	3	1	3	Mary A. Whitney
314 Lowell St.....	1						1		Th.	10.00-12.00	1	2	2	Mrs. Etta D. Ellsworth
I. A. Citizens .....	2						1		Th.	7.45-10.00	1	2 1/4	2 1/4	Mrs. Etta D. Ellsworth
							1		M. Th.	2.00-4.00 2.45-4.15	2	1 3/4	3 1/2	Mrs. Etta D. Ellsworth
	22	4	3	4	1	8	1	1			57		106 3/4	

## REPORT OF THE DIRECTOR OF HOUSEHOLD ARTS

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

Dear Mr. Clark:

The number of girls electing Household Arts this year is over four times that of last year, the total registration being 110. They are more earnest and have a higher rating for scholarship than last year's group. They come from the different departments in the High school,—some from the College, some the General, and some from the Commercial, by far the largest number from this last.

This increased attendance is partly due to the rearrangement of the Household Arts course so that it would dovetail into these other departments without taking out any of the particular subjects that belonged to Household Arts.

Certain conditions exist. There are two groups taking Household Arts in the Junior High schools, one the straight Household Arts, and the other the Commercial Household Arts, this the larger group. Now when girls from this last group enter the High school they naturally elect the Commercial Course, although they may want Household Arts too; but because the subjects conflict for some periods, they are obliged to drop one or the other and so drop the Household Arts and elect just cooking or dressmaking, which will give them the number of points they require and can be fitted in wherever they have a spare period. This is an unsatisfactory arrangement because a period is only about forty-one minutes. There are pupils also in other courses who want Household Arts but cannot elect the course in its entirety because of conflicting programs.

Because we felt that Household Arts was an important part of a girl's training and at the same time recognized the attractions that a business career would have, we planned the time and the program so that they would fit into every other course. This was done by arranging household subjects for certain periods every day, and suggesting certain electives that were related to Household Arts and could be partly credited to that course. A detailed outline of the arrangement is given here.



Sophomore Year	Periods	Points
Millinery (Sept.-Nov.) . . . . .	4	2
Nursing (Nov.-Jan.) . . . . .		
Dressmaking (Jan.-June) . . . . .		
Cooking (Food Study) (Sept.-June)		
Home Project . . . . .	5	3
	1	1
	—	—
	10	6
<b>Elect for Household Arts</b>		
Commerce and Industry . . . . .	2½	2½
and Drawing . . . . .	2½	1
or Physics . . . . .	5	5
Biology . . . . .	5	5
<b>Junior Year</b>		
Millinery (Sept.-Jan.) . . . . .	5	3
Dressmaking (Jan.-June) . . . . .		
Cooking (Sept.-June) . . . . .		
Home Project . . . . .		
	4	2
	1	1
	—	—
	10	6
<b>Elect One</b>		
Chemistry . . . . .	5	5
Drawing . . . . .	4	2
<b>Senior Year</b>		
Cooking (Nutrition) . . . . .	5	3
(Household Management) . . . . .		
Nursing . . . . .	4	2
Dressmaking (Sept.-June)		
(choice of either) . . . . .		
Millinery (Sept.-June) . . . . .	1	1
Home Project . . . . .		
	—	—
	10	6
<b>Elect One</b>		
Physics . . . . .	5	5
Chemistry . . . . .	5	5

A question may arise as to why these required High school studies are not adapted especially to the Household Arts program, but are given as they are given in the regular High school program. Unless a pupil fulfills the requirements of a study she is very much handicapped when she wishes to continue her education beyond High school, and so as few girls have very definite plans as to the future, it was thought wiser to keep the required standard, particularly as these selected subjects partly dealt with problems of the household. This arrangement has worked out satisfactorily this year.

The programs of the Junior and Senior classes are so arranged as to allow during the last two periods of the day

some freedom for educational opportunities out of school. Visits are made to interesting places when occasion arises. A visit was made to a market in Boston where different cuts of meat were explained. When the new Manhattan Laundry was opened a group visited that place and were much interested in modern laundry methods. Another group visited the electrical exhibit at Davis square and brought back to their house-planning class much of value, for they had seen real equipment that had been discussed in class from catalogues. Another time a series of lantern slides were shown on appropriate dress for High school and College girls. These slides were made for school and club use under the direction of the Extension service of the Massachusetts Agricultural College and the Clothing Bureau of Filene's and were loaned by that Bureau. A Supper Club has been organized under the direction of the Junior Extension service. Further visits are planned to Framingham Normal school, to one of the hospitals, and some of the special training schools.

Lessons on Home Care of the Sick have just begun with Miss Spelman, a Red Cross nurse, in charge of the classes. The course covers the same ground as last year, and is the approved course for which a certificate is granted. It is divided to cover two years instead of one to allow for more practice. Time is saved by having lessons in the school building, and although this is not an ideal arrangement when the room is not especially equipped, a good deal of time is saved for class work that would have to be spent going to and from the hospital.

The other subjects in the Household Arts course continue the same as last year; dressmaking and millinery for part of each year; textiles, house planning, and household accounts. Reports from the Cookery and Dressmaking instructors are here given:

"The cookery classes in the High school are divided into two groups, the Household Arts classes, and the elective classes or girls who elect just cooking and none of the other Household Arts subjects. There were only nineteen girls who were able to arrange their programs to elect cooking. This was due to a change in the policy of the department, namely that girls must have double periods of cooking, not single periods promiscuously through the week. It certainly was hard to refuse the fifty-seven girls because they had only single periods, but we hope that more time can be found for double periods next year.

"The Senior class have cooking four periods a week and special stress is placed on the preparation of luncheon and

dinner menus and service. Cooking is closely related to the work in nutrition which is given two periods a week for three months. During this time the fundamental principles of foods are studied, and their places in the diet. Later when they have Household Management the problems of the house such as menu planning, marketing, planning of work, and sanitation will be studied. Order cooking has also been done by the Senior Class. This consists of making breads, muffins, cakes, pies, and cookies.

"The Sophomore groups have food study and cooking. The cooking is of the simpler kind and is disposed of in the lunch room. In the food study class the individual foods that make up the daily dietary are considered.

"Considering the increase over last year we can safely say that the Household Arts department has gained a place of importance in the High school curriculum and we hope it will continue to grow and thereby fulfill a very vital need in each and every girl's training."

"ETHEL M. MOORE, *Instructor.*"

"Two hundred and sixty-seven girls, not including the Household Arts group, applied for dressmaking but owing to lack of room one hundred and fifteen were refused. The work of this department is the same as last year. Forty of the 1923 graduating class made their graduation dresses; some the evening dresses for Senior night. In the Senior class two winter coats of soft pile fabrics were made, the class being shown how to sew fur, as both these coats had fur collars and cuffs. Two sport coats were made, and several coat suits.

"To the girls willing to spend some money in buying materials for advanced sewing, no better opportunity offers than this instruction in dressmaking and coat making, and it compares favorably with similar work turned out by colleges where dressmaking is taught.

"Two pupils have been placed in dressmaking establishments and are doing well. There is always an opening for girls wishing to engage in this occupation, and the gratifying fact is that they are taken on the recommendation of the instructor and always make good.

"An effort is being made to interest the mothers in coming to the school and becoming acquainted with the Household Arts teachers so that a friendly relation between the two can be established. It is planned to hold a mothers' meeting once a month on Monday night while the evening



school is in session, to have some interesting topic presented, and to have a social time afterwards with different groups of girls as hostesses each night.

“This month the same lantern slides that were shown the day classes were shown in the evening, except that more were shown in the evening concerning women’s dress. About thirty-five mothers attended, some bringing friends with them; while the number was small there was much interest shown, and better still we had the opportunity of becoming acquainted.

“Household Arts has a definite place in the High School program. Its aim being vocational, it reaches out into other departments among students who want to know of special opportunities for study or earning a living, and there have been girls who come to this department to talk over their future with the director. Some girls want training in special schools but do not know where to apply for information, or what studies would be of the most help, so they come seeking information, consult the catalogues, take them home to be talked over with parents, and ask advice. In several cases these personal talks have been supplemented by visits to the special school with the director, and every encouragement has been given to help toward a decision.

“This little vocational guidance does not necessarily bring students into the Household Arts department; but it is showing girls outside the department that Household Arts means something besides cookery and sewing, and that its interests can be closely connected with other departments.”

“JULIA A. HALEY, *Instructor.*”

“While the Lunch Room prepares most of the food served to both pupils and teachers, it is possible to use that prepared in the cookery and the Continuation School classes. As the lunch room is a school affair, it makes use of products of the school when possible, and is a good outlet for the disposal of foods.

“A varied and plentiful lunch is offered each day. This consists of two or three hot dishes, three kinds of sandwiches and buttered rolls, milk served in individual bottles, ice cream, and two or three kinds of desserts. It is a rule of the lunch department that all foods sold over the counter shall be prepared in the school by the manager and her helpers; the only foods purchased outside being loaves of bread, ice-cream, milk, and chocolate bars. It is also a rule that canned goods are used when it is not possible to procure fresh ones.



"A student can procure a substantial lunch in the cafeteria for a very reasonable sum. Following is a sample menu:

Lamb stew .....	5c
Macaroni and cheese .....	5c
Scalloped potato with bacon .....	5c
Ham sandwiches .....	5c
Peanut butter sandwich .....	4c
Buttered Vienna roll .....	3c
Raisin bread and butter .....	3c
Milk .....	5c
Ice cream .....	5c
Chocolate .....	5c
Cream puffs .....	5c
Caramel Blanc Mange .....	5c

It is not known how many pupils are served each day. There is an open recess, and on fair days a number buy their lunch across the street; on rainy days the place is crowded.

"The members of the faculty are served in two periods; recess and the fifth period. While their food is usually the same, sometimes more expensive foods are served than would be purchased by the pupils.

"The lunch room has been in existence about ten years, and equipment is wearing out which it is costly to replace, yet the best of things cannot last forever, and it is hoped that new equipment can be added to make the service better. The lunch room could be more attractive and compare more favorably with other high schools if the walls were whitened, and a wood floor added back of the counter, where dampness and moisture there are injurious to the health of the workers, and the slippery condition of the concrete is dangerous at times."

"GERTRUDE LUCE, *Manager.*"

*Junior High Schools.* In the Junior High schools this year Bread Clubs have been started under the direction of the Junior Extension Service of the Massachusetts Agricultural College and carried on somewhat differently from last year, as the regular teacher of Domestic Science is the leader for the group in each school. This had previously been done in one school and was most successful. In the other schools it had been carried on with most enthusiastic groups under the general direction of Miss Crowe who has been in charge of the summer canning clubs for several years. Because of her increased duties in other lines she preferred not to have these clubs this year, and so they were organized in each school by the Domestic Science teacher. We hope that at the end of the year there will be as excellent a showing of products as under Miss Crowe's supervision.

Another new arrangement has been made in regard to having a practice teacher for some afternoon classes in cookery and morning classes in sewing in the several schools where an extra teacher was needed for part time.

We are very much pleased to be able to make arrangements with the Vocational Department of the Framingham Normal school by which a Senior student gives twelve weeks of her time to instruction in our classes. At the end of this time another student takes her place for the same length of time. This arrangement cannot interfere with prearranged instruction, and it brings new ideas to us that we are always glad to have. It is of benefit to the young teacher because she has entire charge of a class and is responsible for its successful conduct. These teachers are supervised by Miss Sturtevant, the Director of the Vocational Department at Framingham, and by the Director of Household Arts of Somerville.

*Sewing Classes in the Grades.* This sewing does not vary much as it is the beginning of the sewing course and needs to be elemental. Emphasis is placed upon posture, and stitches applied to real articles and not to samples.

Last spring an exhibit from the sewing classes in the grades and Junior High Schools was sent to London at the request of the Metropolitan Chapter of the American Red Cross to interest teachers of Home Economics in the British Isles. We were glad to have our sewing included with that of other schools sent overseas.

*Evening Practical Arts.* There has been a greater demand for entrance to these classes than ever before, and while we had at the beginning a registration of two hundred eighty-four, we could not accommodate so many. At the High school 73 were admitted to the dressmaking classes, and 83 to the millinery classes. Three new teachers were added to the faculty to take care of the increased numbers. At the Western Junior High school twenty were admitted to the dressmaking class, and forty to the millinery classes.

While a millinery class can be fitted into a regular school room, we are limited as to dressmaking for the subject needs special equipment, and we have only one room in each building available, with a cooking class room turned over to that use in the High school.

New interests have been added this year. The making of a dress form has been taught, a subject that became so popular in extension work several years ago. So now at the beginning of her dressmaking course each woman will have

made for her a dress form that is herself without any adjusting, and on which she can drape all the dresses she makes during the two years. It was tried out in one class to see the result and was accepted so enthusiastically that it will now be introduced into all the dressmaking classes.

In millinery, buckram frames were made this year, fitted to the individual, and draped and trimmed by her, so that the first hat made was entirely made by hand from foundation to finished ornament.

In the term after Christmas frame blocking over wire foundations will be taught, including the use of the crown block. Flower making will be the between season unit, with new flowers and foliage for the models.

Two exhibits have been arranged for; one on December 13 when winter hats from both schools will be shown, and some of the dresses, and another exhibit at the close of the schools in March. This as last year will show spring styles and will be a social evening for the class members and their friends.

There has been this year, as always, splendid cooperation between teachers and students. Interest seems to grow each year and there is renewed inspiration.

For both day and evening schools all appreciation is due teachers for their willingness to help in every way to make this a very successful year.

Very truly yours,

MARY HENLEIGH BROWN,

*Director.*

January 1924.

#### REPORT OF THE PRINCIPAL OF THE EVENING HIGH SCHOOL

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

Dear Mr. Clark:

The growth of the Evening High school during the last four years is shown by the following table:

Total enrollment, December 1920	.	.	.	536
Total enrollment, December 1921	.	.	.	542
Total enrollment, December 1922	.	.	.	716
Total enrollment, December 1923	.	.	.	875



The enrollment by subjects for the last two years, with the percentage of increase in each subject is here given :

Subject	1922	1923	Per cent. of Increase
Typewriting . . . . .	259	320	24
Shorthand . . . . .	230	265	15
General Course . . . . .	110	170	55
Business English . . . . .	115	145	26
Bookkeeping . . . . .	69	112	62
Salesmanship . . . . .	84	87	4
Freehand Drawing and Arts and Crafts . . . . .	34	60	76
Mechanical Drawing . . . . .	51	50	—2
Algebra . . . . .	37	50	35
Chemistry . . . . .	28	40	43
Geometry . . . . .	32	30	—6

The increase in total registration, particularly for the last two years, would seem to indicate that the purpose and value of the school are becoming more generally known by young men and women who realize that they may find here courses of study which will help them in their daily work. Employers also recognize the benefits which evening school training may have for their employees and frequently advise them as to the subjects which they should elect.

*English.* Many pupils see the necessity for a further study of English composition and grammar. One hundred forty-five have registered this Fall in the Business English classes and one hundred seventy seven in the General Course, which includes English as a major subject, making a total of three hundred fifteen, or thirty-six per cent. of the entire enrollment, who have elected this subject as a part of their work.

*Shorthand and Typewriting.* These classes lead in the total numbers registered. Graduates of day high and of commercial schools frequently take this opportunity for drill to prepare them for the exacting requirements of modern office work.

*The General Course.* This course was established one year ago and replaces the Civil Service Course for which there is small demand at the present time. It includes all the work necessary for such preparation and in addition aims to assist persons, particularly adults, who are conscious of the defects in their elementary school training. English, Arithmetic, Penmanship, History, Civics, and Debating are subjects which apparently meet with approval, as the growth of the course in one year has been seventy-six per cent.

Sincerity of purpose and interest in the work undertaken are evident in all departments of the school. The teach-



ers are making special efforts to meet the needs of individuals. Class instruction is reduced to a minimum. Personal help is the rule and pupils are encouraged to go as far, individually, as their energy and talents will take them. This kind of teaching requires the maximum of alertness and hard work on the part of the teachers, and the prosperous condition of the school is evidence that these requirements are being met. It is the opinion of the principal that there could not be found anywhere a better trained, more enthusiastic, harder working group of evening school teachers than is assembled in the Evening High school. Fifty-eight pupils were graduated from the school on March eighth, in the class of nineteen hundred twenty-three. The program included several numbers by members of the class which were designed to show the results of their school training. A demonstration sale, staged by pupils of the Salesmanship class, an exercise in Penmanship by Bookkeeping pupils, an essay, 'English in Business', and an address by a member of the Civics class are all worthy of mention.

About the same number of pupils will graduate in March, 1924.

Respectfully submitted,

EVERETT W. TUTTLE,

*Principal.*

January 1924

### SOMERVILLE HIGH SCHOOL

#### Number of Pupils by Subjects

November, 1923

	First year	Second year	Third year	Total
English . . . . .	848	628	523	1999
History . . . . .	457	297	518	1272
Elocution . . . . .	584	209	158	951
Debating . . . . .	48	17	8	73
Greek . . . . .	7	7	3	17
Latin . . . . .	238	180	122	540
French . . . . .	384	314	177	875
German . . . . .		18	26	44
Spanish . . . . .	229	146	77	452
Chemistry . . . . .		385	92	477
Physics . . . . .	94	11	100	205
Biology . . . . .	67	35	46	148
Astronomy and Geology . . . . .			69	69
Physiology . . . . .		339	37	376
Trigonometry . . . . .			32	32

Geometry . . . . .	299	80	165	544
Algebra . . . . .	20	256	193	469
Stenography . . . . .	268	181	137	586
Typewriting . . . . .	265	187	142	594
Bookkeeping . . . . .	110	99	104	313
Penmanship . . . . .	393	235	163	791
Commerce and Industry . . . . .	420			420
Salesmanship . . . . .			59	59
Business Practice . . . . .			39	39
Commercial Law . . . . .			37	37
Manual Training . . . . .	128	3		131
Mechanical Drawing . . . . .	189	81	31	301
Free Hand Drawing . . . . .	140	70	37	247
Arts and Crafts . . . . .	16	14	29	59
Household Arts . . . . .	63	33	8	104
Cooking . . . . .	81	17	16	114
Dressmaking . . . . .	74	61	53	188

## Pupils by Courses and Years

November, 1923

	Boys	Girls	Totals	Total
College Course	I Yr. 86	68	154	
	II Yr. 109	72	181	
	III Yr. 61	68	129	
	<hr/>	<hr/>	<hr/>	
	256	208		464
Normal Course	I Yr.	27	27	
	II Yr.	30	30	
	III Yr. 1	32	33	
	<hr/>	<hr/>	<hr/>	
	1	89		90
Scientific Course	I Yr. 81		81	
	II Yr. 61		61	
	III Yr. 43		43	
	<hr/>		<hr/>	
	185			185
General Course	I Yr. 160	56	216	
	II Yr. 94	77	171	
	III Yr. 101	92	193	
	<hr/>	<hr/>	<hr/>	
	355	225		580
Commercial Course	I Yr. 64	307	371	
	II Yr. 28	158	186	
	III Yr. 29	94	123	
	<hr/>	<hr/>	<hr/>	
	121	559		680
	<hr/>	<hr/>	<hr/>	
	918	1081		1999

Membership of High School Activities

December, 1923

Girls' Debating Society . . . . .	39
Boys' Debating Society . . . . .	76
School Orchestra, 1st. . . . .	29
School Orchestra, 2d. . . . .	40
School Band . . . . .	30
Girls' Drum Corps . . . . .	20
Boys' Drum Corps . . . . .	25
Girls' Glee Club, Senior and Junior . . . . .	103
Girls' Glee Club, Sophomore . . . . .	68
Boys' Glee Club . . . . .	35
Mandolin Club . . . . .	25
Girls' Athletic Association . . . . .	250
High School Athletic Association . . . . .	395
Players' Club . . . . .	60
Chess Club . . . . .	10
Radio Club . . . . .	30
Depositors in School Bank . . . . .	390

Class of 1923 in Higher Institutions

October, 1923

Boston College .....	2	Ohio State University .....	1
Boston University .....	15	Radcliffe College .....	6
Dartmouth College .....	4	Salem Normal School .....	6
Framingham Normal School.....	2	Sargent School .....	1
Georgetown University .....	1	Simmons College .....	4
Harvard University .....	5	Tufts College .....	14
Hyannis Normal School .....	1	Wellesley College .....	1
Jackson College .....	4	Wesleyan University .....	1
Lowell Normal School .....	1	Wheaton College .....	1
Lowell Textile School .....	6	Miss Wheelock's School .....	4
Mass. College of Pharmacy.....	2		—
Mass. Agricultural College .....	1	Total .....	99
Mass. Institute of Technology..	4	Entering college .....	50
Normal Art School .....	3	Entering scientific schools .....	29
New Hampshire State College....	1	Entering normal schools .....	20
Northeastern College .....	8		

SOMERVILLE TEACHERS' ASSOCIATION

1923-1924

President, Miss Clara M. Gale  
 Vice-Presidents, } Raymond E. Shepherd  
 } George M. Hosmer  
 Secretary-Treasurer, Miss Sadie M. Lyle

*Executive Committee*

Charles S. Clark, Ex-Officio

Grace E. W. Sprague, High	Florence A. Chaney, Pope
Mary C. Fox, Eastern Jr.	Alice W. Cunningham, Edgerly
Mary B. Soule, Southern Jr.	Carrie Armitage, Glines
Mary F. Mead, Northern Jr.	Anna R. Canfield, Bingham
Mary L. Bryant, Western Jr.	Frances E. Welch, Carr
Nehemiah E. Gillespie, Boys' Voca.	Edna Mae Scriven, Morse
Kells S. Boland, Continuation	Abigail P. Hazelton, Durell
Jeannette M. Hannabell, Prescott	Ruth E. Andrews, Burns
Alice M. Saben, Hanscom	Mary S. Richardson, Proctor
Elvira Badaracco, Bennett	Olivia H. Norcross, Brown
Mary G. Blackwell, Baxter	Hazel M. Stone, Highland
Etta R. Holden, Knapp	Octavia A. Stewart, Lowe
Catherine E. Sweeney, Perry	Mabel W. Thomas, Cutler
Elizabeth L. Hersey, Cummings	Eliza H. Lunt, Lincoln

The meetings held under the auspices of this association in the year 1923 were as follows:

- January 24, 1923—Alfred E. Stearns, Principal Phillips Andover Academy, "The Challenge of Youth to the Older Generation." Miss Marion Moorehouse, 'Cellist.
- April 25, 1923—Informal social, Entertainment by local talent consisting of vocal, musical, and dancing numbers.
- October 31, 1923—Dr. Lewis Perry, Principal Phillips Exeter Academy. "Real Education."
- December 5, 1923—Rev. Charles M. Arbuckle, Pastor of Newton Centre Baptist Church. Subject: "Education from a Minister's View-point."

## SOMERVILLE TEACHERS' CLUB

Officers, 1923-1924

President, Miss Clara G. Hegan

Vice-Presidents, } Miss Dorothy E. Harvey  
 } Mrs. Nettie L. Fay

Recording Secretary, Miss Alice M. Dicker

Treasurer, Miss Lillian E. Haskell

Auditor, Miss Elizabeth Campbell

**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 the home and school.



Program

- January 10.—Birthday and Presidents' Night. Concert by the Zimmer Harp Ensemble. Raymond Simonds, Tenor.
- March 14.—Illustrated Dramatic Recital, "Smilin' Through." Dr. Henry R. Rose.
- April 11.—Lecture. Count Ilya Tolstoy.
- May 9.—Annual Meeting. Speaker, Edward E. Whiting, "Our Government and Those Who Make It."
- October 10.—Reception, Social Evening. Entertainment. Crawford Adams, Violinist.
- November.—Lecture course,—John Clair Minot. "What's What Among the New Books."
- December 12.—Christmas Party. "The Englanders."

SOMERVILLE HIGH SCHOOL ATHLETIC ASSOCIATION

Annual Report of the Treasurer Jan. 1, 1924

Receipts

Balance on hand Jan. 1, 1923 . . . . .		\$2,580 59
Baseball games . . . . .	\$1,440 01	
Football games . . . . .	4,206 58	
Minor sports . . . . .	272 40	
Membership fees . . . . .	98 00	
Interest on bank deposits . . . . .	33 11	
Miscellaneous . . . . .	133 30	
		6,183 40
		\$8,763 99

Expenditures

Athletic supplies . . . . .	\$2,526 73	
Medical supplies . . . . .	93 55	
Paid to visiting teams . . . . .	686 37	
Officials . . . . .	370 00	
Police . . . . .	433 00	
Assistance at games . . . . .	116 00	
Postage . . . . .	11 12	
Printing . . . . .	81 20	
Telephone . . . . .	25 18	
Transportation . . . . .	393 82	
Coaching . . . . .	850 00	
Physician's Salary . . . . .	200 00	
Treasurer's salary . . . . .	400 00	
Dues to Athletic Association . . . . .	9 00	
Special expenses . . . . .	288 10	
Miscellaneous expenses . . . . .	103 05	
		\$6,587 12
Balance on hand Jan. 1, 1924 . . . . .		\$2,176 87

GEORGE E. PEARSON,  
*Treasurer.*

## SOMERVILLE TEACHERS' COUNCIL

The Somerville Teachers' Council began its second year with the meeting of September 17, 1923. The officers, elected at its first annual meeting in June, were:

President: George M. Hosmer  
Vice-President: Frank W. Seabury  
Secretary: Kells S. Boland  
Treasurer: Mary H. Joyce

The enforced retirement of Miss Joyce during the summer because of ill-health obliged the Council in October to elect a new treasurer. Mr. N. E. Gillespie was chosen.

The constitution provides that the term of office of members shall be two years. As no provision was made expressly for elections at the end of the first year, the Council decided to draw lots for elections in five of the ten groups represented, that thereafter there might always be at least half of the council members unchanged from one year to the next. Miss Gale and Miss Joyce, Mr. Boland and Mr. Gillespie were re-elected in their respective groups last May; Miss L. Alice Grady was elected in place of Miss Bryant, who resigned from the Junior High group. This fall Miss Alice Hosmer was chosen at a special election to take the place of Miss Joyce, retired.

The Council is glad to note the adoption by the School Board of a ruling on the admission of first grade pupils, which the teachers feel has been of great benefit. This new regulation contains some of the features, proposed through Miss Hunnewell by her group of elementary teachers, presented by the Council to the School Board at the meeting of November 1922, and printed in the School Report of last year.

The Council also believes that it spoke for the best interests of the schools in its recommendation for the division of the school year after the Christmas recess, with even distribution in terms of eight weeks. It was glad to stand with the School Board in the action last March of opposing the Bates Bill before the Legislature, designed to give City Councils greater control over the expenditures of the School Boards of the State.

This year, as last, in the observance of Education Week,

November 18 to 24, slides were provided for use in motion picture houses. These read as follows:

*HELP WANTED!*

*from Parents!*

*Every Child in School*

*every school day!*

*Education Week*

*Teachers' Council*

Thanks are due especially to Miss Gale and Mr. Boland for making and distributing these slides. During the week the following subjects received special attention: better attendance, greater co-operation between the home and the school, and health topics, with emphasis upon the injurious effects from the use of tobacco by adolescents.

The Council reaffirms its purpose of co-operating with the school officials to promote the highest interests of the schools. It takes this opportunity to thank again the Superintendent and his clerical assistants for distributing to the different buildings the bulletins that contain the proceedings of the Council.

GEORGE M. HOSMER, *Chairman.*

January, 1924







Handwritten text, possibly a list or ledger, with several columns and rows of entries. The text is very faint and illegible.



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## In Memoriam

CLARA A. JOHNSON

High School

Died January 5, 1923

---

ALICE L. DAVIS

Southern Junior High School

Died February 25, 1923

---

MABEL C. MANSFIELD

Edgerly School

Died February 12, 1923

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## 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
Population, state census, 1915 .....	86,854
Population, United States census, 1920 .....	93,033
Children between five and sixteen years of age, April, 1923 by school census .....	16,920

## 2.—SCHOOL BUILDINGS

Number of school buildings in June .....	30
Number of classrooms in use in June .....	380
Valuation of school property .....	\$3,177,700

## 3.—TEACHERS

	*1922	*1923	Change
In high schools .....	72	72	0
In junior high schools .....	114	117	+3
In elementary schools .....	211	212	+1
In kindergartens .....	13	14	+1
Total in elementary schools .....	224	226	+2
Vocational school for boys .....	8	8	0
Independent Household Arts .....	1	1	0
Atypical classes .....	3	3	0
Sight Saving .....	1	1	0
Cadet teachers .....	10	9	-1
Special .....	9	8	-1
Continuation .....	5	5	0
Americanization .....	2	2	0
Total .....	449	452	+3

## 4.—ATTENDANCE FOR YEAR

	*1922	*1923	Change
Entire enrollment for the year....	15,225	15,932	+707
Average number belonging.....	14,004	14,308	+304
Average number attending.....	13,160	13,276	+116
Per cent. of daily attendance....	94.0	92.8	-1.2
High school graduates .....	613	419	-194
Junior High school graduates..	952	914	-38

## 5.—COST OF SCHOOL MAINTENANCE

	*1922	*1923	Change
Salaries of teachers .....	\$734,752 79	\$738,746 49	+\$3,993 70
Salaries of officers .....	13,152 17	13,525 79	+373 62
Cost of books and supplies....	42,682 31	44,106 14	+1,423 83
Cost of light and power .....	10,531 27	9,883 02	-648 25
Cost of janitors' services, etc.	61,987 24	63,408 44	+1,421 20
Cost of fuel and insurance.....	26,520 98	64,725 67	+38,204 69





CLASSIFIED STATEMENT SHOWING DISTRIBUTION OF EXPENDITURES

SCHOOL	SALARIES TEACHERS				Adminis- tration	Books	Bookbinding and Supplies	Maps Charts	White Paper	Manila Paper	Blank Books	Pencils Pens, etc.	Drawing Supplies	Lumber	Hardware	Laboratory Supplies etc.	Seat Work and Kgn. Supplies	Domestic Science Supplies	
	Regular	Substitute	Special	Kindergarten															Total
High .....	\$137,495 96	\$601 00	\$2,632 20	.....	\$140,729 16	\$3,090 26	\$607 85	\$39 52	\$967 75	\$360 00	\$409 97	\$412 07	\$595 82	\$303 45	\$100 32	\$864 67	.....	\$1 09	
Eastern Jr. ....	38,351 96	323 00	1,079 58	.....	39,754 54	656 90	125 41	90	191 99	36 09	56 06	67 29	56 56	256 76	1 05	.....	.....	5 66	
Southern Jr. ....	54,671 86	359 00	1,079 62	.....	56,110 48	1,283 56	131 25	.....	170 49	108 50	54 25	74 80	40 62	174 76	73 96	.....	.....	10 11	
Northern Jr. ....	40,775 24	161 00	1,079 52	.....	42,015 76	744 81	.....	.....	140 16	47 04	38 50	80 04	8 17	419 41	54 54	.....	.....	5 72	
Western Jr. ....	58,808 20	255 00	1,079 62	.....	60,142 82	1,185 55	80 15	17 52	239 85	114 48	80 30	116 75	37 40	639 72	98 32	.....	.....	18 03	
Boys' Vocational .....	17,838 00	24 00	.....	.....	17,862 00	.....	.....	.....	4 31	1 20	2 65	27 57	231 44	600 01	229 71	.....	.....	.....	
Ind. Household Arts .....	2,329 00	.....	.....	.....	2,329 00	6 94	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Prescott .....	10,613 00	180 50	240 90	.....	11,034 40	167 08	.....	10 80	36 56	48 61	.....	30 97	5 28	.....	.....	.....	.....	\$4 52	
Hanscom .....	16,158 75	171 00	310 06	\$2,650 00	19,289 81	250 84	.....	†2 20	53 31	62 35	5 30	28 86	13 67	.....	.....	.....	.....	40 43	
Bennett .....	16,696 75	410 50	471 79	2,409 00	19,988 04	421 66	.....	.....	48 37	65 60	5 48	23 12	14 12	.....	.....	.....	.....	63 19	
Baxter .....	7,010 00	95 00	195 10	2,241 00	9,541 10	124 72	1 00	7 20	16 86	18 01	1 83	14 84	4 76	.....	.....	.....	.....	38 69	
Knapp .....	15,584 50	136 00	666 82	.....	16,387 32	224 98	.....	.....	53 33	26 77	7 64	28 52	41 22	.....	.....	.....	.....	18 07	
Perry .....	9,562 75	134 50	308 60	.....	10,005 85	205 85	8 75	6 40	18 66	16 74	.....	14 64	6 03	.....	.....	.....	.....	27 28	
Pope .....	18,437 00	230 00	705 08	.....	19,372 08	323 23	1 05	.....	38 66	76 42	8 61	40 13	18 60	.....	.....	.....	.....	35 63	
Cummings .....	7,457 50	5 00	195 10	.....	7,657 60	60 47	.....	.....	14 39	16 44	1 00	12 55	3 62	.....	.....	.....	.....	24 55	
Edgerly .....	19,582 50	180 00	855 10	.....	20,617 60	370 40	50 05	22 66	102 01	53 64	9 50	52 76	13 69	.....	.....	.....	.....	10 70	
Glines .....	20,744 00	308 00	724 22	2,425 00	24,201 22	366 97	57 55	.....	77 27	56 08	8 00	50 64	17 06	.....	.....	.....	.....	35 42	
Forster .....	6,711 25	45 50	199 38	.....	6,956 13	44 50	.....	.....	35 73	12 28	2 00	14 35	3 62	.....	.....	.....	.....	10 92	
Bingham .....	24,277 25	196 00	777 70	2,476 25	27,727 20	340 37	24 85	4 33	95 27	79 25	5 96	38 22	12 78	.....	.....	.....	.....	78 11	
Carr .....	25,064 00	106 00	689 54	.....	25,859 54	415 99	11 90	13 20	65 13	64 36	9 83	53 87	36 64	.....	.....	.....	.....	32 42	
Morse .....	16,246 00	147 50	516 68	2,335 00	19,245 18	207 78	12 60	24 00	51 02	38 42	5 15	32 30	18 23	.....	.....	.....	.....	61 10	
Proctor .....	13,007 75	30 00	478 30	.....	13,516 05	236 79	8 05	4 33	50 20	27 82	3 98	30 56	8 43	.....	.....	.....	.....	12 83	
Durell .....	6,603 75	60 50	190 89	.....	6,855 14	104 39	.....	.....	11 56	9 48	1 16	12 01	3 65	.....	.....	.....	.....	8 07	
Burns .....	13,484 25	49 50	271 78	.....	13,805 53	139 26	.....	9 20	32 34	49 62	1 50	22 66	9 18	.....	.....	.....	.....	34 59	
Brown .....	16,118 75	151 50	509 10	.....	16,779 35	292 21	17 50	.....	37 11	29 95	5 00	29 30	9 78	.....	.....	.....	.....	32 21	
Highland .....	11,272 00	176 00	733 68	.....	12,181 68	152 07	.....	.....	62 83	33 97	5 81	33 27	11 45	.....	.....	.....	.....	.....	
Cutler .....	30,450 00	440 00	869 22	2,260 00	34,019 22	526 43	.....	.....	148 42	101 90	11 62	68 83	31 07	.....	.....	.....	.....	73 56	
Lincoln .....	6,470 00	91 00	195 14	.....	6,756 14	121 32	.....	.....	19 91	14 56	2 33	17 53	6 12	.....	.....	.....	.....	17 98	
Lowe .....	13,310 00	84 00	271 78	.....	13,665 78	164 32	.....	.....	29 52	20 27	3 50	23 26	10 90	.....	.....	.....	.....	38 06	
Atypical .....	5,450 00	4 00	.....	.....	5,454 00	1 23	.....	.....	2 43	2 50	50	4 17	3 47	18 36	7 19	.....	.....	66 95	
Continuation .....	8,171 00	.....	.....	.....	8,171 00	17 31	.....	3 25	3 66	1 16	5 00	6 02	2 36	61 94	.....	.....	.....	.....	
Americanization .....	5,635 00	.....	.....	.....	5,635 00	.....	.....	.....	.....	.....	6 00	.....	.....	.....	.....	.....	.....	.....	
Administration .....	.....	.....	.....	.....	.....	13,678 58	.....	.....	58 53	.....	.....	21 06	8 50	.....	.....	.....	.....	.....	
Miscellaneous .....	100 00	.....	.....	.....	100 00	349 25	.....	.....	24 90	7 44	.....	30	89 43	.....	.....	.....	.....	.....	
Evening High .....	4,914 50	.....	.....	.....	4,914 50	140 55	.....	.....	53 13	9 00	18 70	25 98	108 03	.....	.....	.....	.....	.....	
Evening, Bell .....	1,119 00	.....	.....	.....	1,119 00	85 52	.....	.....	3 54	2 84	3 49	3 79	.....	.....	.....	.....	.....	.....	
Evening, Cliff .....	426 00	.....	.....	.....	426 00	18 35	.....	.....	10 61	1 80	3 00	1 54	.....	.....	.....	.....	.....	.....	
Evening, Voca. Men .....	277 50	.....	.....	.....	277 50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Evening, Voca. Women .....	1,477 00	.....	.....	.....	1,477 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Dental .....	1,543 00	.....	.....	.....	1,543 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	72	
Sight Saving Class .....	1,550 00	.....	.....	.....	1,550 00	3 83	.....	7 35	1 70	4 49	.....	27	75	.....	.....	.....	.....	18 36	
<b>Total .....</b>	<b>\$705,794 97</b>	<b>\$5,155 00</b>	<b>\$17,326 50</b>	<b>\$16,796 25</b>	<b>\$745,072 72</b>	<b>\$13,678 58</b>	<b>\$12,903 54</b>	<b>\$1,137 96</b>	<b>\$168 46</b>	<b>\$3,022 01</b>	<b>\$1,619 08</b>	<b>\$783 62</b>	<b>\$1,514 84</b>	<b>\$1,482 45</b>	<b>\$2,474 41</b>	<b>\$565 09</b>	<b>\$864 67</b>	<b>\$783 64</b>	<b>\$44 93</b>

† Credit

CONTROLLED BY THE SCHOOL BOARD FOR THE YEAR 1923

Typewriter  
Supplies

Repairs	Piano Tuning	Graduation Expenses	Equipment	Printing	Postage	Travel	Express	Telephone	Miscellaneous	Bookpg. Blanks	Stationery	Electric Power	Auto Maintenance	Catering	Tuition	Baths	Metal	Total		
\$241 33		\$630 16	\$2,315 44	\$329 50	\$39 00	\$10 00	\$39 50	\$83 29	\$80 86	\$364 80	\$253 30	\$286 70						\$12,426 65	High	
12 33	\$3 00	49 99	201 42	16 15	4 00	6 00	3 35	47 51	28 46	26 00	25 72							1,878 60	Eastern Jr.	
21 41	9 50	97 16	1,663 91	18 05		19 18	75	67 91	31 67	169 00	8 63						\$25 80	4,255 27	Southern Jr.	
11 38		64 59	328 53	49 75	3 05	13 20	2 20	55 57	18 46	15 60	18 59							2,119 31	Northern Jr.	
19 32	12 00	96 12	450 63	16 80		6 80	1 25	96 91	83 85	26 00	13 30							100 01	3,551 06	Western Jr.
		52	1,143 81	14 00	13 50	11 05	8 24	78 30	44 40		3 81	479 45						3 32	2,897 29	Boys' Vocational
					4 56	6 70		26 25	65										45 10	Ind. Household Arts
	3 00		10 51	1 25			1 25		18 64		5 38								343 85	Prescott
	6 50		12 72	2 81				24 26	14 56		5 79								519 70	Hanscom
			9 91	3 13		10 35	1 50	34 42	17 37		5 58							\$236 00	959 80	Bennett
			5 95	2 19					10 65		4 70								251 40	Baxter
	3 50		15 07	2 50	3 43	7 20		35 21	23 04		9 97								500 45	Knapp
			8 76	63					4 43		2 87								321 04	Perry
			16 40	2 03				88	28 26		4 92								661 77	Pope
			6 67	31					1 52		3 96								145 48	Cummings
			21 20	2 18	58	60	1 10	32 60	28 93		11 88								784 48	Ederly
				2 50			1 00	29 78	7 99		9 24								719 50	Glines
			8 11	1 88					7 45		5 35								146 19	Forster
			11 78	1 88		6 20		25 89	7 67		12 37								744 93	Bingham
			1 13	2 81		5 70	75	28 61	9 80		14 85								766 99	Carr
	6 50		1 90	1 41		1 20	2 25	24 26	10 07		4 98								505 17	Morse
				94				28 31	3 14		7 54								422 92	Proctor
			67	62					1 40		4 48								157 49	Durell
			8 11	1 87					5 80		4 95								319 08	Burns
			12 72	1 57	1 00	23 28	1 23	43 58	9 93		7 71								554 08	Brown
			10 51	2 50		6 23		31 17	13 37		9 45								372 88	Highland
			35 84	5 62	3 47	10 60	1 35	23 37	29 47		16 11								1,087 66	Cutler
			10 37	1 25			25		6 04		4 27								221 93	Lincoln
			13 95	1 88			53	27 92	93		5 26								340 30	Lowe
	3 00		16 19			50 00	8 00		7 36		73								195 68	Atypical
			45 28		11 00	16 05			3 34		04								176 41	Continuation
			7 37	5 00		4 75	1 50				54								25 16	Americanization
28 16			315 00	898 77	237 32	282 87	4 00	316 17	441 86		281 14		\$400 00	\$127 70					3,478 93	Administration
10 00				410 28	1 42	56 61	27 68		13 59		14 67				\$1,006 56				2,012 13	Miscellaneous
		31 34	71 88	71 38	10 40		1 00		72		15 45								557 56	Evening High
		2 58		5 62	1 85	95					60								110 78	Evening Bell
				5 63	60	95					45								42 93	Evening Cliff
																				Evening Voca. Men
				5 62	3 00				56										9 90	Evening Voca. Women
																				Dental
						75 00			37										112 12	Sight Saving Class
\$343 93	\$47 00	\$972 46	\$6,781 74	\$1,890 31	\$338 18	\$631 47	\$109 81	\$1,189 55	\$1,005 30	\$601 40	\$798 58	\$766 15	\$400 00	\$127 70	\$1,006 56	\$236 00	\$129 13	\$44,739 97		





Rent of Armory .....	250 00		—250 00
Total cost of day and evening schools .....	889,876 76	934,395 55	+44,518 79
Per capita cost .....	59 18	65 31	+6 13
Cost of high school instruction .....	137,088 15	137,061 16	—26 99
Per capita cost .....	71 54	72 87	+1 33

## 6.—MISCELLANEOUS

	*1922	*1923	
Paid for new school buildings .....	\$7,575 86	588,301 51	+580,725 65
Repairs and permanent improvements .....	36,628 82	63,052 43	+26,423 61
Total school expenditures	934,081 44	1,585,749 49	+651,668 05
Number of dollars spent to maintain schools out of every \$1,000 of valuation .....	10 09	10 10	+0 01
Valuation of city .....	88,158,139 27	92,519,400 00	+4,361,260 73
Number of dollars spent for all school purposes out of every \$1,000 of valuation .....	10 59	17 12	+6 53

\* School year.

## Cost of the Schools

The total amount spent for the maintenance of the schools of Somerville for the school year ending June 30, 1923, is \$934,395.55.

This includes the sums spent for care of school buildings, including janitors' services, fuel, light, and school telephones; the amount paid for salaries of officers, and the amount spent for school supplies; and the sum paid for salaries of teachers.

The expenditure for *care for school buildings* is wholly in charge of the City Government.

The amount paid for janitors is . . . . .	\$63,408 44
The cost of fuel is . . . . .	64,725 67
The cost of light is . . . . .	9,883 02
Rental of Armory . . . . .	.....
A total cost of . . . . .	\$138,017 13
The cost per capita . . . . .	9 65
Cost of repairs . . . . .	63,052 43

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

Expenditures.	Total.	DAY SCHOOLS.		EVENING SCHOOLS.		CONTINUATION SCHOOLS AND AMERICANIZATION WORK
		High and Vocational	Elementary	High and Vocational	Elementary	
Officers' Salaries.....	\$13,525.79					
Office Expenses.....	2,467.37					
Textbooks.....	10,815.41	\$4,073.97	\$6,739.56			\$1.88
Stationery and Supplies and Other Expenses of Instruction.....	23,129.41	12,914.69	9,573.88	\$448.69	\$34.58	157.57
Miscellaneous (Tuition, etc.)	7,693.95	4,914.67	2,482.68	215.62	40.37	40.61
<b>Total .....</b>	<b>\$57,631.93</b>	<b>\$21,903.33</b>	<b>\$18,796.12</b>	<b>\$664.31</b>	<b>\$74.95</b>	<b>\$200.06</b>

The third, and by far the largest, element of the cost of schools is the sum spent for the *salaries of teachers*. This expenditure is under the control of the School Committee.

The following statement shows the distribution of the sums paid for salaries:—

Expenditures.	Total.	DAY SCHOOLS.		EVENING SCHOOLS.		CONTINUATION SCHOOLS AND AMERICANIZATION WORK
		High and Vocational	Elementary	High and Vocational	Elementary	
Supervisors .....	\$11,124.25	\$1,782.55	\$8,341.70			\$1,000.00
Principals.....	53,291.00	13,303.00	35,464.00	\$842.00	\$882.00	2,800.00
Teachers .....	674,331.24	207,953.84	449,931.15	5,412.25	726.00	10,308.00
<b>Total .....</b>	<b>\$738,746.49</b>	<b>\$223,039.39</b>	<b>\$493,736.85</b>	<b>\$6,254.25</b>	<b>\$1,608.00</b>	<b>\$14,108.00</b>

The *total outlay* for all school purposes includes all of the preceding and the sums spent for schoolhouse repairs and new buildings.

The *total outlay* for the school year ending June 30, 1923, is as follows:—

Care .....	\$138,017 13
Contingent .....	44,106 14
Salaries .....	752,272 28
<b>Total for school maintenance .....</b>	<b>934,395 55</b>
Paid for repairs .....	63,052 43
Paid for new buildings .....	588,301 51
<b>Total for all school purposes .....</b>	<b>\$1,585,749 49</b>

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

	1918	1919	1920	1921	1922	1923
Janitors' salaries' ....	\$0.079	\$0.097	\$0.074	\$0.070	\$0.070	\$0.068
Heat and light .....	0.081	0.057	0.063	0.085	0.042	0.080
Administration .....	0.017	0.017	0.020	0.015	0.015	0.015
School supplies .....	0.064	0.067	0.053	0.030	0.048	0.047
Teachers' salaries....	0.759	0.762	0.790	0.800	0.825	0.790
	<u>\$1,000</u>	<u>\$1,000</u>	<u>\$1,000</u>	<u>\$1,000</u>	<u>\$1,000</u>	<u>\$1,000</u>

*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, and the vocational schools. The following shows:—

THE PER CAPITA COST OF DAY SCHOOLS FOR 1922 AND 1923

	High School.			Junior High Schools.			Elementary Schools.			All Day Schools.		
	1922.	1923.	Change	1922.	1923.	Change	1922.	1923.	Change	1922.	1923.	Change
Instruction .....	\$72.87	\$72.92	+\$0.05	\$61.29	\$58.75	-\$2.54	\$41.84	\$42.37	+\$0.53	\$50.62	\$50.19	-\$0.43
Supplies .....	6.97	7.02	+0.05	3.08	3.52	+0.44	1.67	1.68	+0.01	2.73	2.84	+0.11
Care .....	9.11	9.61	+0.50	6.12	8.75	+2.63	6.35	9.50	+3.15	6.62	9.21	+2.59
Total .....	\$88.95	\$89.55	+\$0.60	\$70.49	\$71.02	+\$0.53	\$49.86	\$53.55	+\$3.69	\$59.97	\$63.24	+\$2.27



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

	1919	1920	1921	1922	1923
Cost of Instruction .....	\$31 82	\$44 34	\$50 07	\$50 90	\$50 39
Cost of Supplies .....	2 45	2 80	1 60	2 77	2 85
Cost of Care .....	6 43	7 45	9 62	6 73	9 24
Total .....	<u>\$40 70</u>	<u>\$54 59</u>	<u>\$61 29</u>	<u>\$60 40</u>	<u>\$62 48</u>

An examination of these tables shows that we have paid 5 cents more for the instruction of each pupil in the High School than in 1922, and 5 cents more per pupil for supplies.

The elementary schools have cost 53 cents more per pupil for instruction, and one cent more for supplies.

The amount spent for the school year 1923 was \$10.10, or 1 cent more than was spent in 1922. The amount yielded for each child in the average membership of the schools for 1923, not including the vocational schools, was \$62.48.

#### Teachers' Salaries

The salaries paid to teachers in January, 1924, are as follows:—

1 man .....	\$4,100	25 women .....	\$1,750
1 man .....	3,300	1 man, 4 women.....	1,700
5 men .....	3,100	1 woman .....	1,675
6 men .....	3,000	21 women .....	1,650
1 man, 1 woman.....	2,900	84 women .....	1,600
1 man .....	2,800	*1 man, 4 women.....	1,550
3 men .....	2,700	172 women .....	1,500
4 men .....	2,500	19 women .....	1,400
4 men .....	2,400	19 women .....	1,300
4 men, 1 woman.....	2,200	1 woman .....	1,250
6 men, 1 woman.....	2,100	10 women .....	1,200
7 men .....	2,000	11 women .....	1,100
5 men, 6 women.....	1,900	1 man, 5 women.....	1,000
5 men, 1 woman.....	1,800		

\* Part time.

## SIGHT AND HEARING

The following give the results of the eye and ear tests:—

## Eyes

	1923	1922	Change
Tested .....	14,271	13,948	+323
Defective .....	1,577	1,567	+10
Per cent. defective .....	11%	11%	—
Notices sent to parents .....	1,137	1,135	+2
Professionally treated .....	240	193	+47

## Ears

	1923	1922	Change
Tested .....	14,272	13,989	+283
Defective .....	148	161	—13
Per cent. defective .....	1%	1.2%	—0.2%
Notices sent to parents .....	96	101	—5
Professionally treated .....	25	20	+5

Table 1.—Schoolhouses, January, 1924

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 School } West	†74	1,733	*	Brick	Steam	Fan	*\$426,000	1895	8 rooms added 1906
High School } East				Brick	Steam	Fan		1871	30 rooms added 1913
Prescott }	13	518		Brick	Steam	Fan		1867	
Southworth }	11	356	49,310	Brick	Steam	Fan	139,200	1916	
Knapp	#13	464	24,517	Brick	Steam	Gravity	58,500	1889	4 rooms added 1894
Pope	12	578	27,236	Brick	Steam	Gravity	88,600	1891	
Bell	32	1,115	29,860	Brick	Steam	Fan	242,000	1874	{ 13 rooms added 1918. 8 rooms added 1923
Edgerly	12	571	24,000	Brick	Steam	Gravity	48,000	1871	{ 4 rooms added 1882 4 rooms added 1892
Glines	14	679	28,800	Brick	Steam	Gravity	101,400	1891	5 rooms added 1896
Chandler	35	1,365	74,124	Brick	Steam	Fan	628,600	1923	
Forster	13	576	30,632	Brick	Steam	Gravity	112,000	1866	
Folsom	13	293						1899	
Bingham	16	771	35,586	Brick	Steam	Gravity	82,000	1886	{ 4 rooms added 1894 8 rooms added 1904
Carr	15	705	20,450	Brick	Steam	Gravity	67,100	1898	
Morse	12	503	29,000	Brick	Furnace	Furnace	64,000	1869	6 rooms added 1890
Highland	†12	355	23,260	Brick	Steam	Gravity	76,600	1880	4 rooms added 1891
Carried forward.....	297	10,582					\$2,134,000		

\*Buildings are located on Central Hill Park, which contains 13 1-10 acres.

†Includes home rooms, laboratories, shops, assembly rooms, etc.

#2 rooms converted into a hall.

‡2 rooms not in use.

Table 1. — (Concluded). — Schoolhouses, January, 1924

NAME	No. of Classrooms	No. of Seatings	Size of Lot, including Space Occupied by Building	Material	How Heated	How Ventilated	Valuation, including Furniture	When Built	Enlargements
Brought forward.....	297	10,582	.....	.....	.....	.....	\$2,134,000	.....	.....
Hodgkins.....	14	568	35,034	Brick	Steam	Gravity	118,700	1896	9 rooms added 1923
Western.....	24	727	†.....	Brick	Steam	Fan	†208,000	1917	.....
Cutler.....	20	911	53,729	Brick	Steam	Fan	128,800	1912	6 rooms added 1915
Bennett.....	12	508	21,964	Brick	Steam	Gravity	58,000	1902	.....
Hanscom.....	10	482	16,767	Brick	Steam	Fan	70,500	1897	4 rooms added 1907
Brown.....	10	487	26,733	Brick	Steam	Gravity	80,600	1901	4 rooms added 1907
Proctor.....	#9	343	.....	Brick	Steam	Gravity	*44,000	1905	.....
Burns.....	8	387	16,080	Brick	Steam	Gravity	47,000	1886	4 rooms added 1899
Lowe.....	8	386	21,650	Brick	Steam	Gravity	58,000	1903	.....
Baxter.....	6	290	11,000	Brick	Steam	Gravity	40,700	1901	.....
Perry.....	6	291	46,080	Brick	Steam	Gravity	53,500	1899	.....
Boys' Vocational { Davis 4 Machine Shop 2 Automobile Shop 2	8	.....	30,155	Wood	Furnace	Furnace	71,000	1884	Machine shop added 1917 Automobile shop added 1918
Cummings.....	4	196	11,300	Wood	Furnace	Furnace	19,900	1884	.....
Durell.....	4	184	13,883	Brick	Steam	Gravity	24,100	1894	.....
Lincoln.....	4	168	17,662	Wood	Steam	Gravity	21,000	1885	.....
Total.....	444	16,510	.....	.....	.....	.....	\$3,177,800	.....	.....

\*State property. †Land included in Walter Ernest Shaw Playground. #One room used for Dental Dispensary.



Table 2. — Cost of Maintaining Schools.

FOR SCHOOL YEAR 1922-23.

SCHOOLS.	FROM SCHOOL APPROPRIATION.		SPENT BY CITY GOVERNMENT.	Total
	Instruction and Supervision.	Supplies.	Care.	
High .....	\$138,819.30	\$13,213.42	\$18,077.40	\$170,110.12
Eastern Jr. ....	40,442.62	2,332.93	6,234.44	49,009.99
Southern Jr. ....	56,619.23	2,712.31	8,748.98	68,080.52
Northern Jr. ....	43,090.25	2,504.58	7,018.22	52,613.05
Western Jr. ....	61,242.74	4,710.69	7,316.93	73,270.36
Prescott .....	11,561.21	633.30	2,424.27	14,618.78
Hanscom .....	19,950.50	732.69	3,807.56	24,490.75
Bennett .....	20,051.38	997.26	3,887.20	24,935.84
Baxter .....	9,501.56	266.46	2,736.53	12,504.55
Knapp .....	17,371.47	816.67	4,009.09	22,197.23
Perry .....	9,504.79	340.89	2,736.52	12,582.20
Pope .....	20,004.53	925.57	4,356.07	25,286.17
Cummings .....	8,080.34	201.52	2,162.03	10,443.89
Edgerly .....	20,940.95	945.46	4,356.07	26,242.48
Glines .....	24,303.88	898.27	4,828.94	30,031.09
Forster .....	6,807.65	393.60	2,085.03	9,286.28
Bingham .....	28,186.32	968.60	5,422.14	34,577.06
Carr .....	26,044.52	1,008.27	5,373.83	32,426.62
Morse .....	19,426.58	749.76	4,331.02	24,507.36
Proctor .....	13,801.97	543.78	3,520.30	17,866.05
Durell .....	7,043.78	217.87	2,162.03	9,423.68
Burns .....	14,253.72	615.05	3,285.04	18,153.81
Brown .....	17,773.36	719.76	3,807.55	22,300.67
Highland .....	12,606.46	489.91	3,246.66	16,343.03
Cutler .....	34,692.95	1,208.49	7,538.11	43,439.55
Lincoln .....	6,911.10	323.08	2,162.03	9,396.21
Lowe .....	14,049.53	457.96	3,285.04	17,792.53
Atypical .....	5,287.85	121.42	1,039.79	6,449.06
Sight Saving .....	1,558.41	93.30	358.32	2,010.03
Boys' Vocational .....	17,797.71	2,876.48	3,169.62	23,843.81
Independent House- hold Arts .....	2,295.00	45.77	1,030.97	3,371.74
Evening .....	7,929.51	729.16	1,545.17	10,203.84
Continuation .....	7,105.55	244.84	1,093.09	8,443.48
Americanization .....	7,215.56	67.02	861.14	8,143.72
Total .....	\$752,272.28	\$44,106.14	\$138,017.13	\$934,395.55

Table 3. — Per Capita Cost of Maintaining Schools.

FOR SCHOOL YEAR 1922-23.

SCHOOLS.	Instruction and Supervision.	Supplies.	Care.	Total.
High .....	\$72.92	\$7.02	\$9.61	\$89.55
Eastern Jr. ....	64.71	3.73	9.98	78.42
Southern Jr. ....	56.39	2.70	8.71	67.80
Northern Jr. ....	61.29	3.56	9.98	74.83
Western Jr. ....	52.60	4.09	6.35	63.04
Prescott .....	36.81	2.02	7.72	46.55
Hanscom .....	41.46	1.51	7.83	50.80
Bennett .....	42.57	2.12	8.25	52.94
Baxter .....	53.08	1.48	15.29	69.85
Knapp .....	41.96	1.97	9.68	53.61
Perry .....	43.80	1.57	12.61	57.98
Pope .....	36.84	1.70	8.02	46.56
Cummings .....	43.44	1.08	11.63	56.15
Edgerly .....	38.07	1.72	7.92	47.71
Glines .....	37.97	1.40	7.55	46.92
Forster .....	38.46	2.22	11.78	52.46
Bingham .....	42.90	1.47	8.25	52.62
Carr .....	41.02	1.59	8.46	51.07
Morse .....	43.36	1.67	9.67	54.70
Proctor .....	41.82	1.65	10.70	54.17
Durell .....	44.02	1.36	13.51	58.89
Burns .....	44.13	1.90	10.17	56.20
Brown .....	46.77	1.89	10.02	58.68
Highland .....	43.32	1.68	11.16	56.16
Cutler .....	43.97	1.53	9.55	55.05
Lincoln .....	44.59	2.08	13.95	60.62
Lowe .....	43.10	1.40	10.08	54.58
Atypical .....	117.51	2.70	23.11	143.32
Sight Saving .....	173.16	10.37	39.81	223.34
Evening .....	11.34	1.04	2.21	14.59
Continuation .....	51.87	1.79	7.98	61.64
Americanization .....	19.55	.45	2.33	22.33
Elementary .....	42.37	1.68	9.50	53.55
All schools (without state-aided schools)	50.39	2.85	9.24	62.48
Boys' Vocational .....	219.72	35.51	39.13	294.36
Ind. Household Arts.....	93.02	.92	20.61	114.55

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.	
1912	11,710	\$306,709	\$30,319	\$5,995	\$15,676	\$30,219	\$512	\$389,431
1913	11,856	320,744	25,877	5,842	16,055	32,939	542	402,092†
1914	12,320	338,587	26,843	6,448	18,952	33,711	624	425,165
1915	12,903	357,581	29,389	5,755	18,366	32,674	213	443,978
1916	13,191	363,948	26,098	6,233	20,197	34,667	.....	451,143
1917	12,770	376,138	29,221	5,429	25,487	35,718	.....	471,993
1918	12,656	410,589	33,587	6,966	35,839	42,063	18	529,062
1919	12,733	437,730	33,225	8,821	22,960	55,710	.....	*559,328
1920	12,836	613,294	40,079	10,092	37,083	56,381	.....	*757,679
1921	13,366	714,859	26,329	12,163	63,017	61,435	.....	*878,153
1922	14,109	747,905	42,682	10,531	26,521	59,566	.....	*889,877
1923	14,308	752,272	44,106	9,883	64,726	63,408	.....	934,395

† \$92.50 included for rental of church for schoolhouse purposes in Ward 7.

\* Includes \$882.50, rent of Armory, in 1919.

\* " 750.00, " in 1920.

\* " 350.00, " in 1921.

\* " 250.00, " in 1922.

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, Heat and Light.	Total.	Assessors' Valuation of City.	Ratio of Cost of School Maintenance to Valuation.
1912	\$23 61	\$2 12	\$3 99	\$29 72	\$69,632,540	\$ .00556
1913	24 54	1 91	4 18	30 63	71,848,811	.00559
1914	24 55	1 89	4 27	30 71	74,887,800	.00568
1915	24 90	2 03	3 92	30 85	77,153,500	.00575
1916	26 25	1 88	4 41	32 54	79,304,329	.00569
1917	26 72	2 05	4 61	33 38	78,921,472	.00595
1918	29 58	2 40	6 09	38 07	84,639,280	.00625
1919	31 82	2 45	6 43	40 70	87,353,424	.00643
1920	44 34	2 80	7 45	54 59	83,910,855	.00903
1921	50 07	1 60	9 62	61 29	86,718,290	.01012
1922	50 90	2 77	6 73	60 40	88,158,139	.01009
1923	50 39	2 85	9 24	62 48	92,519,400	.01010





Table 8. — Attendance of the Public Schools for the School Year  
1922-1923

Rooms used for Classrooms in June	SCHOOLS.	Annual Enrollment.	Average Membership.	Average Attendance.	Per cent. of Attendance.	No. Attending in October.	No. Attending in June.
72	High .....	2,061	1,881	1,732	92.2	2,003	1,777
19	Eastern Jr. High .....	696	625	576	92.0	653	579
26	Southern Jr. High .....	1,094	1,004	930	92.7	1,044	934
22	Northern Jr. High .....	767	703	659	93.6	730	668
37	Western Jr. High .....	1,171	1,152	1,087	92.2	1,107	1,038
5	Prescott .....	367	314	284	90.0	313	316
10	Hanscom .....	547	486	451	93.0	504	490
11	Bennett .....	511	471	437	97.0	468	468
5	Baxter .....	261	179	165	92.0	185	185
10	Knapp .....	486	414	386	93.3	413	417
5	Perry .....	242	217	203	93.7	222	221
12	Pope .....	587	543	502	92.5	542	551
4	Cummings .....	192	186	171	91.8	183	193
12	Edgerly .....	616	550	507	92.3	559	525
14	Glines .....	711	640	588	91.8	655	643
4	Forster .....	195	177	164	92.6	177	185
16	Bingham .....	724	657	602	91.6	680	657
15	Carr .....	686	635	599	94.4	642	612
11	Morse .....	489	448	421	93.9	445	444
8	Proctor .....	363	330	309	93.7	345	330
4	Durell .....	176	160	150	93.4	164	160
8	Burns .....	353	323	297	91.9	336	311
10	Brown .....	408	380	354	93.0	374	382
7	Highland .....	304	291	277	95.0	286	290
20	Cutler .....	884	789	729	91.0	800	794
4	Lincoln .....	167	155	143	92.5	156	155
8	Lowe .....	362	326	303	92.9	337	317
3	Atypical .....	45	45	40	88.9	44	44
1	Sight Saving .....	9	9	8	91.6	8	12
	Boys' Vocational .....	113	81	78	95.7	80	70
4	Continuation .....	345	137	124	89.9	141	131
387	Total .....	15,932	14,308	13,276	92.8	14,596	13,899
380	Total for 1921-22.....	15,494	14,148	13,262	94.2	14,259	13,897

Table 9. — Statistics of High School for School Year  
September 13, 1922 to June 27, 1923

Number of Teachers, including Head Master . . . . .	70
Number of days school kept . . . . .	177
Number enrolled . . . . .	2061
Average number belonging . . . . .	1881
Average daily attendance . . . . .	1732
Tardinesses . . . . .	4298
Dismissals . . . . .	572
In Class 1925, September . . . . .	892
June . . . . .	752
Per cent. of loss . . . . .	15.7
In Class 1924, September . . . . .	641
June . . . . .	581
Per cent. of loss . . . . .	9.4
In Class 1923, September . . . . .	427
June . . . . .	422
Per cent. of loss . . . . .	1.2
Special Students, September . . . . .	21
June . . . . .	22
Per cent. of gain . . . . .	4.8
Total, September . . . . .	1981
June . . . . .	1777
Per cent. of loss . . . . .	10.3
Number of graduates, male . . . . .	191
Number of graduates, female . . . . .	228
Total . . . . .	419
Average age, male graduates . . . . .	17 yrs., 10 mos.
Average age, female graduates . . . . .	17 yrs., 11 mos.
Number entering college . . . . .	59
Number of graduates entering scientific schools . . . . .	34
Number of graduates entering normal schools . . . . .	21
Cost of instruction . . . . .	\$137,061 16
Cost of supplies . . . . .	12,290 98
Total cost . . . . .	\$149,352 14
Per capita cost of instruction . . . . .	72 87
Per capita cost of supplies . . . . .	6 53
Total cost per capita . . . . .	79 40

Table 10.—Pupils by Grades, June, 1923

SCHOOL.	GRADE.	TEACHERS.			PUPILS.			Never in First Grade Before
		Men.	Women.		Boys.	Girls.	Total.	
			Regular.	Assistants.				
High	Special .....				9	13	22	1,414
	Twelfth .....				194	228	422	
	Eleventh .....				267	314	581	
	Tenth .....				355	397	752	
	Total .....	19	50		825	952	1,777	
Junior High	Ninth .....				467	550	1,017	
	Eighth .....				504	532	1,036	
	Seventh .....				547	619	1,166	
	Total .....	16	101		1,518	1,701	3,219	
Elementary	Sixth .....	7	30		631	665	1,296	
	Fifth .....		32		615	641	1,256	
	Fourth .....		30		624	644	1,268	
	Third .....		35	1	680	776	1,456	
	Second .....		36		739	727	1,466	
	First .....		36	3	842	723	1,565	
	Total .....	7	201	4	4,131	4,176	8,307	
Kindergarten			7	7	163	176	339	
	Special .....	3	5					
	Sight Saving .....		1		7	5	12	
	Cadets .....		9					
	Atypical .....		3		24	20	44	
	Boys' Vocational .....	8			70		70	
	Independent Household Arts .....		1					
	Continuation .....	3	2		53	78	131	
	Americanization .....		2					
	Grand Total .....	56	380	11	6,791	7,108	13,899	

Table 11. — Pupils in High, Junior High, Elementary, Vocational, and Continuation Schools, 1922-1923

	High School.	Junior High Schools.	Elementary Schools.	Kindergarten.	Vocational School for Boys.	Atypical Schools.	Sight Saving .	Continuation School	Total.
Annual enrollment .....	2061	3728	9260	371	113	45	9	345	15,932
Average membership .....	1881	3484	8347	324	81	45	9	137	14,308
Average attendance .....	1732	3252	7757	285	78	40	8	124	13,276
Per cent. of attendance.....	92.2	93.3	92.9	88.0	95.7	88.8	91.6	89.9	92.8
Number cases of tardiness .....	5298	3131	4540	.....	111	.....	.....	84	13,164
Number cases of dismissal .....	572	1356	1804	.....	42	.....	.....	12	3,786
Membership, October, 1922.....	2003	3534	8443	343	80	44	8	141	14,596
Membership, June, 1923.....	1777	3219	8307	339	70	44	12	131	13,899
No. cases corp. punishment.....	.....	9	46	.....	.....	.....	.....	.....	55

Table 12. — Number of Pupils Admitted to Grade 1 In September.

SCHOOL.	1919	1920	1921	1922
Prescott .....	32	66	78	87
Hanscom .....	153	126	78	114
Bennett.....	104	96	117	74
Baxter.....	34	34	26	35
Knapp.....	53	47	74	45
Perry.....	38	40	37	48
Pope.....	50	71	79	89
Cummings .....	47	47	48	50
Edgerly.....	43	54	53	43
Glines .....	92	110	79	94
Forster .....	25	31	25	32
Bingham.....	86	95	91	106
Carr.....	75	81	74	66
Morse .....	69	78	69	74
Proctor .....	43	36	42	44
Durell.....	34	30	37	37
Burns .....	83	77	58	83
Brown.....	76	72	72	68
Cutler .....	86	116	168	120
Lincoln.....	42	32	32	44
Lowe .....	74	72	79	61
Total .....	1,339	1,411	1,416	1,414



Table 13. — Eighth Grade Promotions — Junior High Schools — June, 1923

Promotion from the eighth grade to the ninth grade in the Junior High School corresponds to the promotion from the last grade of a grammar school to the High School.

SCHOOL	Number in Class in June	No. Promoted to Grade 9	No. Entering Grade 9	No. Entering Schools Outside City	No. Going to Work	No. Not Located	No. Entering Vocational School	No. Entering Other Junior High Schools In City
Eastern Junior High School...	209	185	167	7	8	0	1	2
Southern Junior High School..	294	273	256	6	6	3	1	1
Northern Junior High School	212	*198	176	10	8	0	1	2
Western Junior High School..	342	333	296	18	11	6	.....	2
Total .....	1057	989	895	41	33	9	3	7

\* Includes one pupil who died.

Table 13A. — Ninth Grade Promotions — Junior High Schools — June, 1923

Promotion from the ninth grade to the tenth is the promotion from the Junior High School to the Senior High School. The tenth grade corresponds to the second year of a four year High School.

SCHOOL	Number in Class in June	No. Promoted to High School	No. Entering Somerville High School	No. Entering Other Schools, Public or Private	No. Going to Work	No. Not Located	No. Entering Boys Vocational School
Eastern Junior High.....	167	152	124	7	16	.....	5 <sup>1</sup>
Southern " .....	320	307	241	19	30	12	5
Northern " .....	213	*207	191	6	8	.....	1
Western " .....	324	319	273	14	26	4	2
Total .....	1024	985	829	46	80	16	13

• Includes one pupil who died.

Table 14. — Comparative Statistics of the Attendance Department for  
the School Year 1922-1923

	1922	1923	Change
Number of visits to the schools . . . . .	354	377	+23
Number of visits to the homes . . . . .	781	1,101	+320
Number of cases investigated . . . . .	884	1,172	+288
Number of cases found to be truancy or absenteeism . . . . .	341	322	—19
Number of different pupils who were truants or habitual absentees . . . . .	255	249	—6
Number who were truants for the first time . . . . .	198	201	+3
Number who were truants for the second time . . . . .	46	37	—9
Number who were truants for three or more times . . . . .	11	11	—
Number of girls who were truants or absentees . . . . .	61	68	+7
Number of cases of parental neglect of children found and reported to charitable institutions . . . . .	1	5	+4
Number of cases of removal of children from the custody of parents by order of the court . . . . .	1	1	—
Number of visits to mercantile or manufacturing establishments . . . . .	46	33	—13
Number of minors found to be working without employment certificates . . . . .	46	70	+24
Number of employment certificates issued to boys . . . . .	229	322	+93
Number of employment certificates reissued to boys . . . . .	156	252	+96
Number of employment certificates issued to girls . . . . .	152	179	+27
Number of employment certificates reissued to girls . . . . .	86	90	+4
Number of educational literate certificates issued to minors over 16 years of age (first issue) . . . . .	1,247	2,363	+1,116
Number of newspaper licenses issued to boys 12 to 16 years of age . . . . .	95	45	—50
Number of transfer cards investigated . . . . .	1,299	1,489	+190
Number of truants in the County Training school at the close of the year . . . . .	9	11	+2
Amount paid for board of truants	\$908.14	\$1,006.56	+\$98.42

Table 14. — (Concluded). — Comparative Statistics of the Attendance Department for the School Year 1922-1923

Disposition of truancy and habitual absentee cases:—

Warned and returned to school . . . . .	111
Transferred to other schools . . . . .	18
Obtained certificates (14 to 16 years) . . . . .	47
Left school (over 16 years) . . . . .	12
Removed from city . . . . .	37
Brought before court and returned to school . . . . .	12
Brought before court and sent to Training School . . . . .	8
Returned to Training School (violating parole) . . . . .	1
Sent to Lyman School . . . . .	1
Sent to Shirley . . . . .	1
Sent to Home of the Angel Guardian . . . . .	1

Table 14-A. — Truancies and Habitual Absenteeism by Ages and Grades.

GRADES.	BY AGES.											Total.
	6	7	8	9	10	11	12	13	14	15	16 or Over	
I.....	1	9	4	.....	1	.....	.....	.....	.....	.....	.....	15
II.....	1	5	5	3	3	.....	.....	.....	.....	.....	.....	17
III.....	.....	1	4	8	5	2	1	1	.....	.....	.....	22
IV.....	.....	.....	.....	3	5	8	1	1	1	.....	.....	19
V.....	.....	.....	.....	.....	.....	5	6	6	4	3	.....	24
VI.....	.....	.....	.....	.....	.....	3	5	8	16	5	.....	37
VII.....	.....	.....	.....	.....	.....	.....	4	19	25	11	.....	59
VIII.....	.....	.....	.....	.....	.....	.....	2	4	12	5	.....	23
IX.....	.....	.....	.....	.....	.....	.....	1	1	5	6	4	17
X.....	.....	.....	.....	.....	.....	.....	.....	.....	1	3	2	6
XI.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
XII.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Boys' Voc'l	.....	.....	.....	.....	.....	.....	.....	.....	2	5	.....	7
Ungraded..	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	2
Total.....	2	15	13	14	14	18	20	40	67	39	7	249

Table 15 — Evening High School — Season 1922-1923

	Male	Female	Total
Enrolled . . . . .	425	325	750
Average membership . . . . .	271	185	456
Average attendance . . . . .	178	126	304
Number of teachers . . . . .		19	
Number of sessions . . . . .		56	
Cost of Instruction . . . . .		\$4,486 00	
Cost of janitor, fuel, light, and supplies . . . . .		1,371 64	
Total cost . . . . .		\$5,857 64	
Cost per pupil per evening . . . . .		0 23	

Average attendance: October, 433; November, 374; December, 286; January, 230; February, 221; March, 241.

Table 15-A.—Evening Elementary Schools—Season of 1922-1923

	Male	Female	Total
Enrolled . . . . .	76	31	107
Average membership . . . . .	60	23	83
Average Attendance . . . . .	53	18	71
Number of teachers . . . . .	2	4	6
Number of sessions . . . . .		76	
Cost of instruction . . . . .		\$1,317 58	
Cost of janitor, fuel, light, and supplies . . . . .		446 33	
Total Cost . . . . .		\$1,763 91	
Cost per pupil per evening . . . . .		0 28	

Table 15-B—Evening Vocational Classes—Season 1922-1923

	Men	Women
Enrolled . . . . .	68	175
Average Membership . . . . .	38	126
Average Attendance . . . . .	33	105
Number of teachers . . . . .	3	9
Number of sessions . . . . .	40	39
Cost of instruction . . . . .	\$777 73	\$1,234 71
Cost of janitors, fuel, light and sup- plies . . . . .	321 70	175 59
Total expenditure . . . . .	\$1,099 43	\$1,410 30
Income from sources other than local tax- ation . . . . .	123 60	246 57
Net expenditure . . . . .	\$975 83	\$1,163 73
Reimbursement from State . . . . .	\$487 92	\$581 86
Net cost . . . . .	\$487 91	\$581 87
Net cost per pupil per evening . . . . .	0 321	0 118



Table 15-C.—Americanization Classes—Season 1922-1923

	Male	Female	Total
Enrolled . . . . .	304	214	518
Average membership . . . . .	210	152	362
Average attendance . . . . .	156	120	276
Number of classes . . . . .		24	
Number of teachers . . . . .		11	
Number of sessions . . . . .		75	
Membership hours . . . . .		38 981	
Cost of Instruction . . . . .		\$7,409 42	
Cost of supplies . . . . .		22 40	
Total cost . . . . .		\$7,431 82	
Reimbursement from the State . . . . .		3,715 91	
Net cost . . . . .		\$3,715 91	
Net cost per membership hour		\$0 095	

Table 16 — Promotions from Elementary to Junior High Schools

	1919	1920	1921	1922	1923
Knapp.	62	107	83	91	132
Perry.	34	32	39	.....	.....
Pope.	139	127	136	129	136
Edgerly.	136	171	171	168	157
Glines.	88	83	94	91	90
Forster.	35	31	29	35	29
Bingham.	66	66	95	87	78
Carr.	106	96	113	142	118
Morse.	46	61	43	68	58
Proctor.	44	59	44	53	64
Brown.	43	70	43	69	73
Highland.	143	178	155	161	156
Cutler.	126	120	115	154	147
Total.	1068	1201	1160	1248	1238
Average Membership of Elementary Schools.	8345	8334	8270	8268	8347
Per cent. of Average Membership Promoted	12.79	14.41	14.03	15.09	14.83

Table 17. — Attendance Statistics.

FOR A SERIES OF YEARS.

JUNE	ENROLLMENT	Average Membership	Average Attendance	Per cent. of Attendance	Number of Tardinesses	Ratio of Tardiness to Average Attendance
1912	13,272	11,710	11,083	94.6	6,307	0.569
1913	13,491	11,903	11,216	94.2	7,354	0.655
1914	13,932	12,320	11,610	94.2	7,380	0.635
1915	14,505	12,903	12,189	94.5	8,000	0.656
1916	14,647	13,191	12,323	93.4	9,373	0.761
1917	13,967	12,770	11,933	93.7	7,325	0.613
1918	14,256	12,656	11,798	93.2	8,970	0.760
1919	14,039	12,733	11,609	91.2	9,744	0.839
1920	14,091	12,836	11,807	91.9	11,628	0.993
1921	14,500	13,396	12,533	93.6	11,337	0.904
1922	15,225	14,004	13,160	94.0	11,620	0.883
1923	15,932	14,308	13,276	92.8	13,164	0.991

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.
1912	11,710	2,023	17.28	296	2.53
1913	11,903	2,081	17.48	296	2.48
1914	11,610	2,111	18.18	273	2.35
1915	12,903	2,258	17.50	311	2.41
1916	13,191	2,288	17.35	348	2.64
1917	12,770	1,973	15.45	340	2.66
1918	12,656	1,520	12.01	332	2.62
1919	12,733	1,854	14.56	310	2.43
1920	12,836	1,714	13.35	241	1.87
1921	13,396	1,762	13.15	316	2.36
1922	14,004	2,037	14.55	613	4.38
1923	14,308	2,061	14.40	419	2.93

For years prior to 1912 see School Report of 1917.

Table 18-A.—Membership, Etc., Junior High Schools.

For a Series of Years

YEAR.	Ave. Mem. in all Schools	Ave. Mem. Grade VIII	Ave. Mem. Grade IX	Ave. Mem. Grade X	Per Cent. Ave. Mem. in Grades		
					VIII	IX	X
1921	13,396	1044.95	913.74	622.7	7.80	6.07	4.66
1922	14,004	1090.93	1012.30	781.2	7.79	7.23	5.57
1923	14,308	1109.07	1051.50	834.5	7.75	7.35	5.83

Table 19.—Promotions for School Year Ending June 27, 1923

Junior High Schools.

GRADE.	On June Promotion List	Unconditionally Promoted to Next Grade	Promoted on Trial	Retarded	Promoted more than One Grade	Special Promo- tions during Year	Promotees Dropped Back after Two Months' Trial
I	1,194	992	124	78			
II	1,057	819	154	84			
III	1,024	937	51	36			6
Total.....	3,275	2,748	329	198			6

Percentage of Promotions for School Year Ending June 27, 1923

Junior High Schools.

GRADE.	On June Promotion List	Unconditionally Promoted to Next Grade	Promoted on Trial	Retarded	Promoted more than One Grade	Special Promo- tions during Year	Promotees Dropped Back after Two Months' Trial
I	100	83.1	10.4	6.5			
II	100	77.5	14.6	7.9			
III	100	91.5	5.0	3.5			0.5
Average .....	100	83.9	10.1	6.0			0.1



Table 19-A.—Promotions for School Year Ending June 27, 1923

## Elementary Grades.

GRADE.	On June Promotion List.	Unconditionally Promoted to next Grade.	Promoted on Trial.	Retarded.	Promoted more than One Grade.	Special Promotions during Year.	Promotees Dropped Back after Three Months' Trial.
I	1,622	1,287	99	228	8	8	0
II	1,484	1,238	102	136	8	5	6
III	1,483	1,257	101	112	13	10	6
IV	1,286	1,060	126	93	7	3	2
V	1,291	1,044	137	88	22	23	1
VI	1,314	1,113	125	55	21	20	4
Total.....	8,480	6,999	690	712	79	69	19

Percentage of Promotions for School Year Ending June 27, 1923

## Elementary Grades.

GRADE.	On June Promotion List.	Unconditionally Promoted to next Grade.	Promoted on Trial.	Retarded.	Promoted more than One Grade.	Special Promotions during Year.	Promotees Dropped Back after Three Months' Trial.
I	100	79.4	6.1	14.	0.5	0.5	
II	100	83.4	6.9	9.2	0.5	0.3	0.4
III	100	84.7	6.8	7.6	0.9	0.8	0.4
IV	100	82.4	9.8	7.2	0.6	0.2	0.2
V	100	80.9	10.6	6.8	1.7	1.7	0.8
VI	100	84.7	9.5	4.3	1.5	1.5	0.3
Average...	100	82.5	8.2	8.4	0.9	0.8	0.5

DISTRIBUTION OF PUPILS BY AGES, APRIL 1923.

GRADE	A G E												TOTAL	Above Normal Age	Per cent. Above Normal Age				
	5	6	7	8	9	10	11	12	13	14	15	16				17	18	19	20 or over
Kgn.	221	120															341		
1	3	911	582	114	15	5	2	1									1,635	139	8.50
2		14	689	541	171	56	8	6	1								1,487	243	16.34
3			28	622	596	171	49	14	3	2	2						1,487	241	16.21
4			37	489	473	188	76	28	3	2	2	1			1		1,293	294	22.73
5					39	461	489	201	75	37	9						1,311	322	24.56
6					3	52	461	437	242	86	27	3					1,311	358	27.31
7					1	4	55	374	473	239	65	13	2				1,226	319	26.02
8							2	66	403	415	175	23	11		1		1,102	210	19.05
9								5	98	373	397	149	27	4	1		1,054	181	17.17
10									8	67	354	290	80	14	2		815	96	11.17
11										10	83	294	158	50	7	4	606	61	10.06
12											10	79	187	102	46	6	430	52	12.10
P. G.														1	5	7	22		
Total	224	1,045	1,299	1,314	1,222	1,254	1,180	1,332	1,235	1,124	833	470	177	65	12		14,120		
Under Normal Grade				114	186	232	247	298	344	370	280	120	68	58	10				
Per cent. Under Normal Grade				8.67	14.15	18.98	19.62	25.25	25.82	29.96	22.18	25.81	40.00	1.00	1.00				

TABLE 20.—RESIGNATIONS OF TEACHERS, 1923

School	Teacher	Resignation took effect	In Service
High	B. Phoebe Abbott	June 30, 1923	6 yrs., 9 mos.
High	Edith L. Hurd	June 30, 1923	13 yrs.
High	Clara A. Johnson	January 5, 1923*	25 yrs., 4 mos.
High	Laura W. Lewis	June 30, 1923	1 yr.
High	Stephen H. Mahoney	April 27, 1923	8 yrs., 8 mos.
High	†A. Marion Merrill	June 30, 1923	28 yrs.
High	Ruth L. Strand	June 30, 1923	4 yrs.
Southern	Alice L. Davis	February 25, 1923*	27 yrs., 6 mos.
Northern	Dorothy A. Chapin	June 30, 1923	5 yrs. 2 mos.
Northern	Berthe D. Dion	June 30, 1923	8 mos., (tem. ser.)
Northern	Delisey R. Ellsworth	June 30, 1923	1 yr., 8 mos. (tem. ser.)
Northern	Ruth C. Harrington	June 30, 1923	5 yrs.
Northern	M. Edna Merrill	June 30, 1923	14 yrs.
Western	Lillian Dunlap	June 30, 1923	1 yr., (tem. ser.)
Western	†Alice S. Hall	June 30, 1923	27 yrs.
Western	Ruth B. Brown	June 30, 1923	1 yr.
Bennett	M. Edith Callahan	June 30, 1923	13 yrs., 4 mos.
Knapp	Mary T. McCarthy	June 30, 1923	3 yrs., 9 mos.
Knapp	†Alice I. Norcross	June 30, 1923	37 yrs., 8 mos.
Pope	Mabel C. Mansfield	January 1, 1923	29 yrs., 5 mos.
Edgerly	Marion L. Batchelder	February 12, 1923*	9 yrs., 4 mos.
Bingham	Charles G. Ham	Jan. 1, 1923	25 yrs.
Carr	†Mina J. Wendell	June 30, 1923	41 yrs.
Morse	Maude E. Bottomley	June 30, 1923	5 yrs., 3 mos.
Brown	Martha R. Taylor	January 19, 1923	9 yrs.
Brown	†Mary H. Joyce	June 30, 1923	32 yrs., 2 mos.
Highland	Beatrice L. Waterhouse	Oct. 5, 1923	2 yrs., 2 mos.
Highland	Mildred A. Whitman	June 30, 1923	2 yrs., 3 mos.
Cutler	Willa E. Wingate	June 30, 1923	1 yr.
Cutler	Lawrence E. Landahl	June 30, 1923	3 yrs.

† Retired

\* Died

TABLE 21.—TEACHERS ELECTED IN 1923

School	Teacher	Coming From	Salary	Service Began
High	Inez Atwater	Stoneham	\$1,300	Sept., 1923
High	M. Louise Hannon	Swampscott	1,650	"
High	Irene Kenney	Littleton	1,400	"
High	Ethel M. Moore	Hartford, Conn.	1,600	"
High	Elizabeth Richards	Saugus	1,500	"
High	Gladys M. H. Sullivan	Somerville	1,200	Sept., 1922
High	Ethyn Williams	Studying—Radcliffe	1,500	Sept., 1923
Eastern Jr. High	Benjamin Q. Belonga	Somerville	1,900	May 1922
Eastern Jr. High	Hazel L. Smith	"	1,200	Sept., 1922
Southern Jr. High	Eleanor Campbell	"	1,300	Sept., 1921
Southern Jr. High	Helen T. Currie	Ridgewood, N. J.	1,100	" 1923
Southern Jr. High	Mabel H. Eddy	Somerville	1,500	" 1922
Southern Jr. High	Elsie B. Fiske	"	1,300	" 1921
Southern Jr. High	Martha H. Hannon	Swampscott	1,500	" 1923
Southern Jr. High	Ida Paly	Swampscott	1,200	Feb., 1922
Southern Jr. High	Herbert H. Shallies	Somerville	1,800	Sept., 1923
Northern Jr. High	Guy P. Carver	Not teaching	1,800	Oct., 1923
Northern Jr. High	Berthe D. Dion	Somerville	1,300	Oct., 1922
Northern Jr. High	Dellsey Ellsworth	"	1,400	Nov., 1921
Northern Jr. High	Laura Gustafson	"	1,400	" 1922
Northern Jr. High	Mary L. Holway	Augusta, Me.	1,200	Sept., 1923
Northern Jr. High	Amy Irish	Essex Co. Agri. Sch.	1,400	" 1923
Northern Jr. High	Helen C. Jackson	Medford	1,300	" 1923
Northern Jr. High	Aline L. Morgan	Not teaching	1,500	" 1923
Northern Jr. High	Mary E. O'Shaughnessy	Somerville	1,200	" 1922
Northern Jr. High	Olive B. Place	Portland, Indiana	1,500	" 1923
Western Jr. High	Ethel G. Beal	Somerville	1,500	" 1922
Western Jr. High	Lillian Dunlap	"	1,400	" 1922
Western Jr. High	Eleanor V. Nemser	"	1,200	" 1922



Table 21—(Concluded)—Teachers Elected in 1923

School	Teacher	Coming From	Salary	Service Began
Western Jr. High	Elizabeth Stolba	Not teaching	1,500	Sept., 1923
Hanscom	Anna A. Burns	Everett	1,000	" 1923
Bennett	Abbie Brown	Thomaston, Me.	1,300	" 1923
Bennett	Katherine D. Millen	Somerville	1,400	" 1920
Bennett	Lois F. Wilbur	Rockland	1,500	" 1923
Baxter	Margaret McCarthy	Somerville	900	Nov., 1921
Knapp	Mildred D. Dewire	"	1,000	Sept., 1922
Pope	Rosa J. Aberle	Not teaching	1,000	" 1923
Edgerly	Alice M. Dugmore	Somerville	1,200	" 1922
Bingham	Ruth A. Gilman	East Weymouth	1,500	" 1923
Morse	Sarah K. Lake	Somerville	1,400	Nov., 1916
Brown	Pauline E. Thiesfeldt	Washington, D. C.	1,500	Jan., 1923
Highland	Carrie E. Crockett	Stoneham	1,500	Dec., 1923
Highland	Margaret McLeod	Somerville	1,400	Mar., 1922
Cutler	Alice M. McFarland	"	1,000	Sept., 1922
Highland Atypical	Mildred M. Harkins	"	1,100	" 1922
Continuation	H. Dunbar Davis	Not teaching	1,800	" 1923
Physical Training	Margaret V. Burke	Somerville	1,100	" 1922
Physical Training	M. Helen Campbell	"	1,100	" 1922

Table 22—Leave of Absence of Teachers

Grace L. Shorey, for May and June, 1923  
 Frances E. Robinson, from September 1, 1923 for an indefinite period.  
 Berta M. Burnett, for school year ending June 30, 1924.  
 Ella H. Bucknam, for school year ending June 30, 1924.  
 Annie H. Hall, for school year ending June 30, 1924.

Cadets

Frances E. Biller	Margaret K. Gorman	Doris F. Rudd
Margaret Callahan	Helen Hession	Constance Shaw
Gertrude T. Donahue	Evelyn Macdonald	Gladys Stone
Mary M. Dorney	Dorothy Perkins	Hazel C. Wellington
Madeline E. Flynn	Valborg Prebensen	Lillian G. Wells

Table 23.—Transfers of Teachers

Teacher	From	To
E. Bella Weisman	Western Jr.	Senior High
Elsie M. Ross	Western Jr.	Senior High
Eugenia Carver	Bennett	Cutler
Eliza I. Patterson	Bennett	Proctor

Table 24.—Number of Teachers.

FOR A SERIES OF YEARS.

YEAR.	High School.	Junior High Schools.	Elementary Schools.	Special Teachers.	Assistants not in Charge of Room.	Contin.	Amer.	Men.	Women	Total.
1912	66†	.....	252*	22	9	.....	.....	40	309	349
1913	68†	.....	257*	28	12	.....	.....	39	326	365
1914	75†	.....	266*	30	20	.....	.....	44	347	391
1915	76†	.....	272*	31	15	.....	.....	45	349	394
1916	77†	.....	290*	30	15	.....	.....	46	366	412
1917	70‡	65	238*	33	17	.....	.....	49	374	423
1918	70‡	108	207*	28	5	.....	.....	49	369	418
1919	70°	106	207*	26	9	.....	.....	48	370	418
1920	69°	113	212*	23	8	.....	.....	54	371	425
1921	75°	115	216†	25	14	5	2	60	392	452
1922	72‡	114	216†	22	16	5	2	57	390	447
1923	75°	120	222	24	18	4	2	55	410	465

†Including a secretary.

\*Including four kindergartners.

‡Including seven kindergartners.

°Including a secretary and a matron

Table 25.—Books Authorized for Use, 1923

For Grades 2 and 3,  
Elementary schools,—

As text books,—

The Introductory Music, Music Education Series, Earhart, Baldwin, and Newton-Ginn & Company

Table 26.—HIGH SCHOOL GRADUATION

The graduation exercises of the High School occurred Monday, June 25, 1923.

#### ORDER OF EXERCISES

OSCAR W. CODDING, Chairman of the School  
Committee, Presiding.

1. OVERTURE—"Gypsy Serenade".....Nehl  
High School Orchestra, Samuel Gilman, Leader
2. TRUMPET SOLO—"Temple Gates".....Knapp  
Cleon E. Hopkins
3. PRAYER—Rev. Albert B. Coe  
Pastor, Broadway Winter Hill Congregational Church
4. SINGING—"Jehovah, Guide Us".....Mozart  
Theophilo S. Carreiro and Boys' Chorus
5. SINGING—"Inflamatus".....Rossini  
Lillian A. Loughton and Graduating Class
6. ADDRESS TO GRADUATES  
Hon. Robert Luce  
Representative, Twelfth Massachusetts District
7. "WEDDING OF THE WINDS".....Hall  
Orchestra
8. PRESENTATION OF DIPLOMAS TO GIRLS
9. SINGING—"Unfold, Ye Portals".....Gounod  
Graduating Class
10. PRESENTATION OF DIPLOMAS TO BOYS
11. MARCH—"Crescendo".....Odell  
Orchestra

Singing and orchestra under the direction of James P. McVey, Supervisor of Music in the Public Schools.

## SOMERVILLE HIGH SCHOOL

## LIST OF GRADUATES

June, 1923

\* Graduated with honor

- |                              |                            |
|------------------------------|----------------------------|
| Mary Aikens                  | Doris Natalie Cross        |
| Drucilla Harriet Allén       | Ethel Belle Crowell        |
| Emma Mace Alls               | Geraldine Goodwin Davis    |
| Florence Cecelia Andarson    | Ruth Lowe Davis            |
| Bessie Appell                | Dorothy Mae Dean           |
| Ruth Mary Austin             | Lilian May Dole            |
| Florence Mabel Baird         | *Kathleen Eleanor Donahue  |
| Mary Veronica Bannon         | Alice Catherine Donovan    |
| Lillian Olga Barberi         | Helen Elizabeth Douglass   |
| Rita Elizabeth Baron         | Dorothy Elizabeth Drew     |
| Anna Baruffaldi              | Ida Claire Duchin          |
| Dorothy Isabel Baxter        | Norma Elizabeth Duerner    |
| Lillian Claribel Benjamin    | Mary Amelia Earle          |
| *Marcia Carolyn Berg         | Beatrice Evelyn Everett    |
| Marjorie Frances Birtwell    | Rosabel Fardy              |
| Doris Harriet Blake          | *Dorothea Maude Farnsworth |
| Mary Theresa Bloomer         | Grace Figved               |
| Beulah Louise Bolan          | Esther Lorena Fisher       |
| Charlotte Elizabeth Bonchau  | Helen Florence Fitzgerald  |
| Marguerite Genevieve Bowser  | Eva Belle Fletcher         |
| Genevieve Agnes Boyce        | Ann Imelda Flynn           |
| Eileen Veronica Bridges      | Rhona Marguerite Freeze    |
| Edna Mae Briggs              | Dorothy Gallagher          |
| Ethel Charlotte Brine        | Elvira Asunta Garibotto    |
| Lucretia Evelyn Buckler      | Anna May Giacobbe          |
| Catherine Mary Burke         | Martha Elizabeth Gissler   |
| Helen Christine Busby        | Anna Goduti                |
| Edith Mae Button             | Verna Eulalie Goff         |
| Murdena Agnes Campbell       | *Miriam Eunice Gordon      |
| Elizabeth Pauline Canniff    | Alma Pauline Graves        |
| Edith Elizabeth Carlson      | Anna Marguerite Grue       |
| Julia Mary Carney            | Isobel Sarah Guibord       |
| Margaret Florence Carney     | Anna Mildred Guilderson    |
| Josephine Catherine Carrigan | Catherine Blanche Hancock  |
| Marie Antonett Castellucci   | Alice Grace Hardin         |
| Grace Lillian Chandler       | Fayette Haskell            |
| Marion Vehnaz Chebook        | Ruth Frances Haskins       |
| Margaret Laura Ciambelli     | Helena Clair Havican       |
| Mary Teresa Clement          | Mary Patricia Heiser       |
| Catherine Edith Coaker       | Katherine McLeod Henderson |
| Ruth Marie Coffey            | Mary Loretta Hoar          |
| Anne Louise Colbert          | Dorothy May Holyoke        |
| Sarah Elisabeth Colby        | Mildred Horton             |
| Rose Mary Cole               | Lucy Gladys Howard         |
| Kathryn Marie Collins        | Laura Florence Hughs       |
| Inez Alice Comstock          | Louise Gains Hunt          |
| *Frances Conneilly           | Florence Henrietta Johnson |
| Frances Eugenia Conway       | Gladys Estella Jones       |
| Vivian Crafts                | *Rena Helen Josie          |



- Helen Florence Keeley  
 Marion Elizabeth Keith  
 Ellen Christina Kelleher  
 Isabella Madeline Keppe  
 Helen Kerner  
 Dorothy Irene Kerr  
 Ruth King  
 Frances Eleanor Kingman  
 Frances Elizabeth Knibbs  
 \*Lillian Alice Loughton  
 Marion Eileen Laird  
 Helen Marie Larkin  
 Mabel Leda La Rue  
 Dorothy Winifred Lawson  
 Priscilla Shatswell Leach  
 Ellen Agnes Leahy  
 Margaret Mary Lee  
 Blanche Louise Le Sueur  
 Dorothy Levy  
 Mabel Irene Lewis  
 Fancelina Florence Lima  
 Fay Bertha Lipkind  
 Rita Moore Logan  
 \*Beatrice Alta Lord  
 Helen Beatrice Lucas  
 Doris Lydiard  
 Ruth Abigail Lynch  
 Margaret Wilhemina MacIver  
 Ethel Janet MacPhail  
 Annie Margaret MacSween  
 Margaret Mary Mahoney  
 Mary Teresa Mahoney  
 Irene Evelyn Malatesta  
 Marguerite Josephine Mansfield  
 Katherine Louise Marmaud  
 Helen Veronica McCarthy  
 Katherine Agnes McCarthy  
 Mary Elizabeth McCarthy  
 Gertrude M. D. McCloud  
 Frances Mathilda McColgan  
 Mary Louise McGill  
 Mary Agnes McGrath  
 Mary Frances McMahan  
 Margaret Mary McSweeney  
 Mary Catherine Meaney  
 Carol Hester Millett  
 \*Eva Mitrano  
 Helen Louise Monte  
 Eleanor Ann Moore  
 Katherine Agnes Mornane  
 Helen Alice Morrell  
 Winnifred Louise Moses  
 \*Thelma Alice Moss  
 Charlotte Teller Mowers  
 Loretta Catherine Murphy  
 Frances Etta Murray  
 Martha Loretta Murray  
 Ruth Elizabeth Nangle  
 Mary Christine Nolan  
 \*Dorothy Blanche Obear  
 Grace Marion O'Brien  
 Kathleen Helen O'Brien  
 Mary Eleanor O'Brien  
 Julia Rita O'Connor  
 Margaret Elizabeth O'Connor  
 Edna Alice Marie Olson  
 Mildred Elizabeth Osgood  
 Ruthven Emerson Parker  
 Dorothy Frances Peck  
 Leona Beatrice Perkins  
 Merue Carolin Perkins  
 Eleanor Isabel Perry  
 Mary Edna Petrie  
 Margaret Mae Pollock  
 Katrina Louisa Porter  
 Dorothy May Purington  
 Myrtle Ramsay  
 Marian Elvira Rancatore  
 \*Olive Jane Robie  
 Doris Darville Robinson  
 Ellen Frances Ronan  
 Lena Margaret Rosetta  
 Marion Fisher Rowe  
 Carolyn Eva Russell  
 \*Charlena Mae Russell  
 \*Mildred Elizabeth Russell  
 Irene Frances Ryan  
 Myrtle Alvina Ryer  
 Siranoosh Giragos Sarkisian  
 \*Zabelle Giragos Sarkisian  
 Alice Letitia Sawyer  
 Anna Pauline Scully  
 Philomena Seretto  
 Marion Alberta Shea  
 Doris Louise Short  
 Celia Sigel  
 Irene Antoinette Simard  
 Doris Gertrude Smith  
 Mildred Sparks  
 \*Elizabeth Gertrude Stewart  
 Carolyn Emilie Strehle  
 Florence Miriam Sullivan  
 Margaret Mabel Sullivan  
 Bessie Talalewsky  
 Esther Evelyn Tamlyn  
 Beatrice Etta Taylor  
 Alice Helen Thomas  
 Alice Elizabeth Thompson  
 Arline Annie Thompson  
 Bernice Catherine Throensen  
 Elizabeth Fales Tibbetts  
 Evelyn Edna Timmins  
 Claire Macdonald Tucke  
 Ruth Morse Van Arsdalen  
 \*Hester Day Waldron  
 \*Lily Helen Walgis

Pauline Symonds Ward  
 Mary Alice Watts  
 Ida May Weinstein  
 Mary Louise Wiggins  
 Muriel Lewetta Williams  
 Theresa Frances Williams  
 Lillian May Wise  
 Mary Wisewell  
 Alice Ruth Wood  
 Rose Dorothea Wood  
 Hazel Mary Wythe  
 Margaret Anna Yelinek  
 Olga Yolanda Yelinek  
 Evelyn Whittemore Young

Mountfort Adams  
 \*Thomas Edward Aldham  
 Courtland DeBlois Ashby  
 Henry George Bedighian  
 Leo Carlton Begley  
 Theodore Roosevelt Bernson  
 \*Angelo Philip Bertocci  
 Carlton Eben Bessey  
 \*Philip James Beyer  
 Henry Allen Blackman  
 Carl Walfred Bockstrom  
 Alfred Alonzo Boyd  
 John James Brennan  
 Charles Edward Brown  
 Harry Leslie Brown  
 Welton Mackenzie Burgess  
 Albert Henry Buswell  
 Robert Norman Butterfield, Jr.  
 Peter Caffanges  
 Eugene Francis Caldarone  
 John Joseph Callahan, Jr.  
 Charles Clinton Carey  
 Chester Irving Carran  
 Theophilo Stone Carreiro  
 Harold Richards Caswell, Jr.  
 Warren Albert Caswell  
 George Anthony Catanzano  
 Norman Avarad Chapman  
 \*Stuart Webster Chapman  
 Rufus Choate  
 \*Charles Arthur Clapp  
 De Lancey Cleveland  
 James Aloysus Cloran  
 John Andrew Clune  
 Oscar Norman Coddling  
 Nathaniel Andrew Colbert  
 Forrest Downs Cook  
 William Theodore Corey  
 Cullum Frye Coulson  
 James Lester Crooker  
 Elmer Keith Crosby  
 Raymond Cross  
 Charles Joseph Crowley

Paul Cruwys  
 Arthur Stanislaus Cudmore  
 Frank Walker Currier  
 Warren Lester Dalton, Jr.  
 Norman Herbert Dawes  
 Louis William Dervan  
 Richard Joseph Desmond  
 Everett Bond Dewar  
 Joseph Henry Doll  
 \*Arnold Henry Engborg  
 Frank Patrick Fay  
 Leo Joseph Fermoye  
 Albert Frederick Fitzgerald  
 David Emery Flett  
 Homans Stearns Foster  
 James Reginald Fritz  
 John Stanley Fudge  
 Douglas Blanchard Fuller  
 \*Paul Hildreth Fuller  
 David Edgar Gallant  
 Charles Paul Galli  
 George Clyde Geake  
 Daniel Joseph Geary, Jr.  
 Dante Reginald Georgetti  
 \*Samuel Gilman  
 Robert Glover  
 Harry Goldenberg  
 Carleton Crosby Goodspeed  
 Edward Lawrence Gosse  
 Bertram Pettengill Gustin  
 John Joseph Haley  
 Edward Lovell Hall  
 \*George Albro Hall  
 Donald Stuart Hamilton  
 Laurie William Hanni  
 Elwin Richard Harding  
 Albert Green Harkins  
 Francis Joseph Harkins  
 Charles Dudley Harrington  
 \*Laurence Ellsworth Harris  
 Raymond Atkens Haskell  
 William Taber Hathaway  
 Arthur Smith Hayes  
 John Barr Hayward  
 Albert James Healey  
 Irving Hershkovitz  
 Cleon Edson Hopkins  
 Harry Nelson Hurley  
 Abraham Irving Jacobson  
 Leo James Jennings  
 Edward John Jeremiah  
 Einer William Johansen  
 Aram Johnian  
 Warren Everett Johnson  
 Edwin Francis Jordan  
 William Duncan Jordan  
 John William Kaup  
 Albert Lovejoy Kelley

Leroy Klinger	Herbert Thomas Ringer
Arthur Stewart Knox	Walter Franklyn Robinson
Reginald Gage Lacount	Frank Branklyn Rogers
Francis Leonard Lavash	John Ambrose Roma
John Warren Lawlor	Walter William Rose
Charles Albert Leavis	Parker Couch Rowell
Anthony Pimentel Lemos	John Baker Russell
Myer Levinson	Horace Woodruff Sexton, Jr.
Rollo Sewall Lewis	Walter Frederick Shaw
Charles Francis Lynch	Francis Edward Shea
Edward Barry Lynch	Arthur Joachim Silva
John Alexander MacIntyre	Paul Evans Simpson
Kenneth Alexander MacLeod	Milton George Sinclair
William Francis Mahoney	Louis Hart Smith
Lawrence Clifton Marble	Mark Frederick Smith
Gerald Moulton Marston	Archibald Raymond Spaulding
Roger Frederick Marston	Charles Lewis Stevens
James Joseph Martin	William Stevens
Lester Angus Matheson	Melville Ames Stillman
Chester Damon Mattern	Wilber August Swanson
Francis Henry McCall	George Richard Tadgell
Lawrence McCarthy	*Samuel Taylor
Leonard Austin McGovern	Stanley Ferdinand Teele
Daniel Joseph McGrath	Warren Smiley Thomas
Wallace Joseph McGrath	Lester Arthur Thorne
Frank Meletti	*Heinn Frederic Tomfohrde, Jr.
Leon Miller	*Henry John Tosi
Richard Francis Mooney	Stanley Gordon Tribe
Halsey Bryant Moore	James Ernest Urlwin
Adelbert Frederick Morrill	Herbert Franklin Wallstrom
Romaine Serrill Morse, Jr.	Francis Paul Walsh
Joseph Gerard Murphy	*Richard Joseph Walsh
Edward Joseph Murray	Kenneth Valentine Watson
Ronald Naugler	John Joseph Wells
John Howell Neal	Lawrence Francis Welsh
Edward Roy Nelson	Reginald Hall Wentworth
George Murdock Newman	Raymond Herbert West
*Dudley Andrew Noyes	George Foster Whitcomb
John Edward O'Neil	Charles Edward Wilson
Joseph Pacifici	Frederick Everett Wilson
Albert Eric Peterson	Paul Theodore Wilson
Charles William Phelps	Winfred Atherton Witham
Arthur Gordon Pratt	Melvin Ford Works
Solomon Price	Frederick Herman Zimmerman
Aldo Raffa	
*Raymond Reed	

Total number of graduates 419; Boys, 191; Girls, 228.



Junior High School graduations occurred in the school buildings on June 22, 1923.

## LIST OF GRADUATES

## Eastern

Alvin J. Allen	Charles Everett Forsaith
Ellen Irene Allen	Louise Fortune
Lawrence A. Ardito	Lillian A. Francis
Roderick Reynolds Aylesbury	Helen Elizabeth Gallagher
Eileen Mildred Bailey	Eleanor Josephine Getchell
Pauline Virginia Baptista	Angelina Gianino
Mary B. Barker	Esther Rose Giles
Estelle Ellen Barrett	Phyllis Eileen Goldthwait
Frank Lotton Barrett	Helen Viva Gordon
John Francis Barry	Catherine F. Gorman
Alfred Sanford Bell	Blanche Mary Grady
Morris D. Bender	Mildred Graham
Albert Frederick Bird	James Gramatis
Frances Pangburn Bliss	Dorothy Mae Grant
Dorothy Clifford Bolton	Florence H. Gray
Charles Boudreau	Harold S. Gregor
Mary J. Brophy	Wilbur Frank Hannaford
Evelyn Irene Burley	Marjorie M. Hanscom
Thomas Francis Canniff	Ethel Florence Hansen
Susan Augusta Carr	M. Patricia Harding
Cosmo D. Cavicchio	Alberta Estelle Hartnett
Rosa M. Certusi	Thomas A. Hayes
Isobel May Cheney	James L. Heggie
Francis Xavier Clay	Edwin V. Hill
Genevieve V. Connell	Bernadette Hodgkins
Matthew John Connell	Charles W. Holton
Jeremiah Francis Connolly	Josephine Louise Horrigan
Joseph D. Conway	Frederick Byam Hosmer
Lillian Frances Corcoran	William Hughes
Mildred K. Cotter	Edward L. Humber
Margaret Mary Coughlin	Una Hunnewell
George Neal Coyle, Jr.	Grace M. Ingalls
Charles Francis Crosby	James Edward Isinger
Annette Snow Crowell	Kathleen S. Johnston
Madeline Rose Crowley	Mildred Catherine Johnston
Marie D. Cuneo	Jacob Kerner
Miriam Brenner David	James P. Kerrigan
Mabel Edith Davidson	Anastatia Veronica Kilty
Henry Vincent Dedrick	Kenneth Kirkness
Francis J. DiCiaccio	Bertha Viola Koch
Panfilo J. DiGiusto	Joseph E. F. Laurendeau
Helen C. Dixon	Francis Creelman Laurie
Walter C. Donovan	Shirley Lebovich
Frank Drew	Margaret Jean Leslie
Marion L. Duffey	Elsie Laurence Ludwig
Alice Louise Dunlap	Winstone Churchill Lufkin
Ethel Mary Farley	Mary C. Magliozzi
George E. Feener	Katherine Veronica Manley
Mildred Evelyn Finn	Bernice Marguerite Marshall
Hermina Frances Fonseca	John Leo McFaun



Edmund Leo McKenna	Dorothy Isabelle Sherman
Charles J. McKenzie	Herbert Rogers Silliker
Helen D. Metzger	Marion Singelais
Ralph Metzger	Mary Agnes Skelton
Ruth Esther Mooney	Helen Margaret Steeves
Anna Frances Murphy	Herbert Hodgdon Stokes
Daniel John Murphy	Agnes M. Stubbs
John P. Murphy	Grace Elizabeth Sullivan
Agnes M. Nahigian	Helen M. Sullivan
George Nargisian	Katherine Sullivan
Thelma Ella Norton	Myrtle Beatrice Tamlyn
Ann Elizabeth O'Brien	Edna May Thompson
John Alexander O'Brien	Theron Barker Thompson
Francis Edward O'Meara	William J. Thompson
Eva Palmer	Edward W. Thomson
Horatio N. Peak, Jr.	Joseph Thornton
Isabella May Pelton	Ernest Edwin Tourigney
Theodore Wells Pelton	Thomas Joseph Travaglia
Harvey B. Perkins	Bernice Arilla Tuck
Peter Peterson	Edith Luceina Tucker
Llewellyn Franklin Ralston	Seymour Charles Turpel
Alva N. Richardson	Isabelle E. Walker
Cecilia Roche	Martha Kybert Wallace
Frank Leo Rudolph	Eleanore Marie Walsh
Dorothy Mary Ryan	Ralph Kenneth Watson
Frederick J. Ryan	Irene B. Welch
Bernhard F. Schutte	Bertha J. Westlin
S. Evelyn Shaw	

### Southern

Harry H. Adamian	Joseph H. Bretta
Alfred D. Aiello	Raymond E. J. Brown
Beatrice Jessica Alexander	Alden D. Bruce
Alice M. Allen	Ruth L. Bryans
Adelmo H. Andalini	Evelyn E. Bouchie
Charles Montgomery Anderson	Amadeo Anthony Buccina
Ettore J. Ardizzoni	Elizabeth E. Buckley
Harry Atamian	Frances Catherine Buckley
Mae Elizabeth Baird	Mary P. Buckley
Jeanette Baker	Edna Catherine Burgess
Vincent Lawrence Balboni	Esther Josephine Burgess
Marguerite Balian	James F. Burlingame
David Robert Joseph Barrett	Robert G. Bussey
Elizabeth Gertrude Beeler	Eva C. Caezza
Edward John Bergen	Angela Louise Calandrella
Helen M. Berglund	Anna Felicitas Callahan
Matthew M. Berman	George C. F. Cantwell
Joseph A. Bertelli	John Francis Carroll
Beatrice E. Bernicchi	Harriet Mildred Carter
Mary Helen Bettencourt	John P. Casey
Josephine Biasetti	Walter J. Casey
James Edward Bickford	James Thomas Cashman
Aili Adele Bockstrom	Amalia Clara Catani
Edward J. Brady	Joseph Paul Frank Cavazzoni
Mary C. Brady	Elinor Marie Cerullo
Arline R. Brennan	Maria D. Charla

Cosmo Ciano, Jr.  
 Evelyn Myrtle Clark  
 Celia Clayman  
 Sara E. Clements  
 Benjamin Cohen  
 George William Cole  
 Chester Fremont Colwell  
 Francis Conroy  
 Agnes Mary Conway  
 Ralph Howard Conway  
 Marie C. Coppola  
 Florence Linda Coradi  
 Charles Costa  
 Joseph Costa  
 Daniel J. Cotter  
 Dorothy Willis Crosby  
 Catherine Lauretta Croy  
 Michael Thomas Curran  
 James P. Cutler  
 Mary Katherine Cuttle  
 J. Justin Daley  
 Albert Clark Darcy, Jr.  
 Edward J. Dias  
 Manuel Souza Dias  
 Edward H. Diggins  
 Cosmo DiCecca  
 Christopher DiFranco  
 Vincent DiSilva  
 Anna E. Dolan  
 Francis J. Donovan  
 Sherman E. Douglas  
 Dorothy A. Doyle  
 Martin Thomas Driscoll  
 Alexander W. H. Duff  
 Raynal W. Dunn  
 Christine Eyvonne Dutra  
 Lecil Mary Dymont  
 J. Alden Edkins  
 Lillian E. Eklof  
 Virginia R. Ernst  
 Thomas Francis Evans  
 Murle Everett  
 Mary Gertrude Fallon  
 Gerald R. Fanning  
 M. Evelyn Ferguson  
 Roy Fernance  
 Alfred A. Ferretti  
 Ida Amarina Figeira  
 Clayton Benedict Fitzgerald  
 Richard Joseph Fitzgerald  
 John Warren Flahive  
 Gertrude Marie Fleming  
 Henry J. Flynn  
 Wilbur C. Fuller  
 Dorothy Agnes Gallagher  
 May Ruth Gallagher  
 Leo Galligan  
 Myles F. Gardner  
 Catherine R. Gately  
 Peter A. Gatti  
 Dorothy Ida Rose Marie Gaumont  
 Nora Gavaghan  
 Mildred Claire Gavin  
 Carmen Gilli  
 Ruth Elizabeth Gilliatt  
 Ida Ruth Goldfield  
 Annie Gonfrade  
 Mary I. Gray  
 Helen A. Greenlaw  
 Gertrude F. Grimes  
 Edward A. Guazzaloca  
 Catherine Mary Haggerty  
 Eileen Veronica Haley  
 Helen R. Haley  
 John J. Hallisey  
 Clarence Hamilton  
 Marie G. Haviland  
 John Francis Herrick  
 Dora Hershkovitz  
 Frances Regina Hersom  
 Frederick James Joseph Hess  
 Ruth Norma Higgins  
 Grace G. Hiltz  
 Dorothy Lillian Holbrook  
 Madeline M. Hurwitz  
 Barbara Ida Irwin  
 Peter William Itutti  
 Dorothy C. James  
 Ethel A. Johnston  
 Eric H. Johnson  
 Alice J. Julien  
 Helen Mary Kaspar  
 Koleta Katherine Kaspar  
 James J. A. Kearns  
 John J. A. Kelleher  
 William Edward Kelly  
 Francis St. John Kelley  
 Mervyn George James Landry  
 Helen Louise Lawless  
 Esther Catherine Lane  
 William F. Lanigan  
 Shirley Lazarus  
 Christie Evelyn Leadbetter  
 Joseph F. Lee  
 Grace Louise Lehan  
 Arthur P. Lemos  
 John Letasz  
 Anna Lipkind  
 Leo Litwin  
 Robert D. Lowry  
 Margaret Mary Lucas  
 Frank W. Lutz  
 Audrey Olga Lydiard  
 Mary Josephine Lyons  
 Mary A. Mack  
 Catherine Agnes B. Mahoney

Daniel Andrew Mahony Jr.	Emily Mary Pieroni
Marjorie Josephine Malloy	William Ralph Pittman
Alice Ruth Martin	Evangeline Hamilton Poore
Donald Matheson	Mae Morton Porter
Edna May	Alice V. Pray
Charles J. Mazza	John F. Quinn
Annie MacInnes	Michael S. Rancatore
John Leo MacInnis	Elizabeth Raymond
Dorothy M. McCaffrey	Francis L. Reardon
Charles Albert McCarthy	Harry A. Reidy
Douglas LaBree McCarthy	Gladys Eva Robinson
Francis McCallum	Margaret B. Roberts
Helen F. R. McDevitt	Sophia Roberts
Herbert James McKim	Gordon H. Robertson
Marion Claire McDonald	Isadore Robinson
John J. McDonnell	James Henry Roche
Agnes Lois McEachern	Arthur E. Roderick
Thomas J. McFarlane	Andrew Rogers
Mary Elizabeth McFaun	John J. Ronan
Emma J. R. McGlone	Mary Elizabeth Rooney
Irene A. McInnis	Joseph Edward Ross
Catherine E. McIsaac	Gladys C. Rowe
Joseph D. McKenna	Frank Ruggiero
Albert Arthur McMaster	Robert Fred Ryer
William J. F. McNamara	Gouldie Bertha Sahlin
Joseph Edward W. McNaught	Jesse Norcross Sargent Jr.
William McQueston	Annie E. Saval
Arthur Meletti	Mary Emmanuella Schouler
Marjory Helen Menard	William Henry Schultz
Phineas Keith Milne	Edward Seymourian
George J. Molan	Emma C. Shea
Christine Nellie Molesini	Isabelle M. Shea
John Francis Moloy	Joseph M. Sheehan
Elizabeth D. Moody	Mabel Mary Sheehan
Thomas Joseph Moran	Charles White Shepherd
Joseph Morgan	Rose Sigel
Elizabeth F. Morganti	Nathan Ernest Silbert
John J. Morrissey	Lillian Shapiro
Thomas Francis William Mullin	Ruth Shapiro
Edward William Murphy	Eldon Lester Shorey
John Henry Murphy	Ruth Alberta Shorey
Corinne Evelyn Murray	Harold Short
Dora Natalie Naiman	Willis M. Smith
Isadore Saul Naiman	Oscar Spear
Elmer T. Nelson	Florence Janet Steele
Lucille Matilda Neves	Theda Jeanette Streadwick
Edward F. O'Brien	Robert H. Swanson
Esther Ellen O'Brien	Mary Gertrude Sullivan
Mary E. O'Connor	S. Christopher Sullivan
N. Agnes O'Connor	Elvie Helena Swenson
Steven Joseph Oriani	William F. Swift
Beatrice Winifred Orrell	Mary Agnes Taddia
Mary Teresa Panza	Cosmo Taglino
Doris Pearl Patterson	Sarah Talalewsky
Myrtle Winnifred Perry	John J. Tanner
Edmund M. H. C. Peterson	Martin Tashjian
Gertrude R. Phillips	Winnifred Ruth Thomas
Richard Allen Pierce	Chester Francis Thornton

Doris J. Tosi  
 Dora Helen Tourtellot  
 Victoria Tovim  
 Margaret Esther Troy  
 Marjorie Pearl Tucker  
 Mary Marie Venuti  
 Dorothy Clair Wagner  
 Elsa Dorothea Walgis  
 Bertha Estell Walsh  
 William J. Walsh  
 M. Louise Gertrude Warner  
 Rebecca Waitskin

Irving Paul Watson  
 Louise Agnes Mary Ward  
 Shirley R. Wellington  
 Alice Adrienne White  
 C. Alden White  
 Charles Stanley Whyte  
 Ruth Helen Wiggins  
 Howard Davis Wilson  
 Martha Lillian Winkler  
 William J. Winslow  
 Dorothy Wisewell  
 Theresa Zona

### Northern

Charles Hovsep Aaronian  
 Grace Elizabeth Armstrong  
 Ruth Doris Armstrong  
 Arthur E. Au Claire  
 Virginia Baker  
 Joseph Balboni  
 Charles Arthur Ballou  
 Lillian Rose Baroni  
 Marion C. Barrett  
 Richard Baxter  
 Richard Bollard  
 Wm. Spencer Brodil  
 Dorothy Madeline Bryant  
 Jennie Ruth Elizabeth Buchanan  
 Frances M. Bullen  
 Mary F. Burke  
 Lawrence H. Butters  
 Roland Francis Callow  
 Edith Louise Campbell  
 Signe Marie Carlson  
 Helen Elizabeth Carroll  
 Thomas Carroll  
 David Francis Cassidy, Jr.  
 Catherine Louise Costigan  
 Frances C. Chandler  
 Anna R. Chiuccarello  
 Helen Frances Collins  
 Mary Colosi  
 Margaret F. Conlin  
 Catherine Mary Connolly  
 Dorothy A. Connor  
 Aida C. Copeland  
 Stephen Corrieri  
 Claire V. Corsick  
 Joseph Henry Coyle  
 Irving Cogswell Cromwell  
 Margaret J. Crowley  
 Mary L. Cummings  
 Edward Leo Curran  
 Catherine Frances Daly  
 Margaret Mary Daly  
 Frank W. De Angelis

Ralph De Angelis  
 Mary Ellen Dennehy  
 Dorothy Anne Devine  
 Samuel Doctoroff  
 George Doherty  
 Marie Burnadett Donahue  
 Dorothy Eaton  
 Jessie Isabelle Fardy  
 Merle Louise Ferguson  
 John J. Finigan  
 Elizabeth Mildred Fisher  
 Mortimer Edmund Fisher  
 James Edward Fitzgerald  
 John Francis Fogerty  
 Anna Margaret Foley  
 Wilma Maria Forsberg  
 John Anthony Forte  
 Edith Gladys Foy  
 Frederick Joseph Franz  
 Aida Mary Franzosa  
 Thomas Gleason Gallagher  
 Gladys Hamilton Gaunce  
 John Patrick Geary  
 William J. Geary  
 Joseph Lawrence Goduti  
 Opal Meredith Goff  
 Ludwig Peter Gordon  
 Ruth Lillian Gordon  
 Mae Gorsun  
 Rosaline S. Gorsun  
 Grace Elizabeth Gough  
 Joseph F. Gough  
 Ruth Elizabeth Grace  
 Julia Mary Grady  
 Lawrence William Grady  
 William Wallace Grant  
 Lawrence Kendall Gray  
 Irene V. Greene  
 Isabelle Greene  
 Dolores Jean Guibord  
 Irene B. Hall  
 Howard F. Hallion



Francis Edward Hanson  
 Bertha Helen Harcourt  
 Raymond Candage Hardin  
 Grace Isabelle Harkins  
 Bart Edward Havican  
 Harold Molton Hazelton  
 John Herbert Hertach  
 Marion C. A. Hicks  
 Maude E. Hicks  
 Mary Lillian Hogan  
 Frank L. Holland  
 Mildred Mitchell Hopkins  
 Anna M. Hoy  
 Arthur Winslow Howe  
 Austin James Hubert  
 George Holman Hunnewell  
 Lillian Virginia Hunnewell  
 Martina D. Jennings  
 Frances Catherine Kelleher  
 Irene Millidge Kelley  
 John Francis Kiley  
 Alexander Hackett Ladd  
 Ida Katherine Ladd  
 Walter Lauritzen  
 Albina Caroline Lenzi  
 Frances Louise Levis  
 Blanch Marjorie Long  
 William Long  
 Grace Frances Lodico  
 James S. MacFarlane  
 Grace Eleanor MacManus  
 Mary Margaret Maguire  
 George Joseph Mahoney  
 Mary Agnes Mahoney  
 Helen Josephine Malvey  
 John M. Mansfield  
 George H. Marshall  
 Irene M. Matthew  
 John Joseph McCarron  
 Helen Frances McCarthy  
 Jeremiah Francis McCarthy  
 Kathleen Mae McCarthy  
 James Joseph McHale  
 Winifred Agnes McHugh  
 O. Claire McLellan  
 James David Meaney  
 Isabella Meharg  
 Doris Irene Merrill  
 Marvin F. Merrill  
 Edward C. Monahan  
 Eleanor Gertrude Mooney  
 Marion Catherine Moran  
 Mary Agnes Morrison  
 Alfred C. Mucci  
 Arthur Mucci, Jr.  
 John Baptism Mucci  
 Elsie Augusta Mueller  
 Ruth Mulholland

James Murphy  
 Jennie Notaro  
 Barbara Elizabeth Newcomb  
 Ruth Nourbourn  
 Helen Eunice Novack  
 Clara Isabelle Noyes  
 Mararet Ella Nugent  
 Daniel O'Brien  
 John A. O'Brien  
 Frederick O'Connor  
 Margaret Theresa O'Leary  
 Dorothy Gertrude Oram  
 Beverly Franklin Ottaway  
 Evelyn Palmer  
 Margaret Mary Violet Passanise  
 Bertha Pierce  
 John E. Pierce  
 James Vincenzo Piro  
 Rudolph Poor  
 Marjorie Torrey Price  
 Margaret Mary Regan  
 Barnett A. Rich  
 Frances Anna Rich  
 Ovide Joseph Rochon  
 Grace Marie Roma  
 Lambert Ronayne  
 Marion Louise Rose  
 Stephen Joseph Rosetta  
 Adam Ross  
 Myrta Gifford Rowell  
 Frank Russo  
 Antonio John Sacco  
 Cosimo Sardo  
 Michael Sarno  
 Norman S. Savage  
 Hermon H. Scott  
 May Elsie Scrocca  
 George R. Shaw  
 Kenneth B. Shaw  
 Marion Sherman  
 Sarah Sherer  
 Martha Isabel Silva  
 Morris Slotnick  
 Arthur F. Smith  
 Winton Forest Smith  
 Elva Helen Snow  
 Francis Sonia  
 Francis L. Stacey  
 Sumner S. Stanchfield  
 Beatrice Aline Stephens  
 Donald W. Strout  
 Margaret B. Sussenberger  
 John Edward Tansey  
 Loretta Marion Tansey  
 Mary Louise Tarpey  
 Vance Southwell Tarr  
 Edna Whitney Thompson  
 Sarah Gertrude Wade

Helen Mary Walsh  
 John Joseph Walsh  
 John Joseph Walsh, Jr.  
 Agnes Mae Ward  
 Gertrude Mae Webber  
 Ruth Clark Wellington  
 Katherine Louise Whalen

Albert Henry Williams  
 Augustus Frederick Williams  
 Herbert J. J. Wilson  
 Hung S. Wong  
 Marion Cecelia Young  
 Sydney Zuker

## Western

Ernest William Allen  
 Gladys Lillian Allen  
 Alice I. Amidon  
 Madeline Anderson  
 Albert E. Armstrong  
 Hugo Ascolillo  
 Frederick W. Atherton  
 Dorothy Louise Baker  
 Philip E. Baker  
 Doris Tollman Bagley  
 Alexander A. Barclay  
 Rose Marie Baron  
 Audrey Elizabeth Barr  
 Marian M. Barrett  
 Ruth G. Barron  
 Madeline A. Baruffaldi  
 Beatrice O. Bates  
 Inez I. Baum  
 Lillian M. Baxter  
 Dolphie E. Berg  
 Richard L. Berry  
 Arthur Joseph Bibby  
 Irene Esther Blamire  
 Alice Emeline Blundell  
 Clara A. Bowman  
 Philip Churchill Brideau  
 Donald J. Brigham  
 Gladys Bromberg  
 Sadie Elizabeth Brooks  
 Evelyn Mildred Brown  
 Paul Francis Brundige  
 Alice S. Buchert  
 Monroe W. Burbank  
 Dorothy A. Burns  
 Mary A. Burns  
 Dorothy Cabot  
 Nicholas P. Cachuni  
 Grace Evelyn Cahill  
 Alice E. Campbell  
 Edward L. Canney  
 George Douglas Carter  
 Louise S. Caswell  
 Winifred M. Caswell  
 Eleanor Chapin  
 Eleanor M. Chesley  
 Aida A. Chiuccarello  
 Grace I. Clark

Viola M. Clark  
 Evelyn D. Clarke  
 Mabel Edna Clarke  
 Lillian Coakley  
 Harry W. Coggeshall  
 Catherine F. Conley  
 Albert F. Connor  
 Monica Q. Cotter  
 Mildred May Cram  
 Irving Francis Crine  
 Charles H. Crowe  
 H. Lyle Cunningham  
 Gordon D. Currie  
 Eleanor Cutler  
 Paul C. Daly  
 Arthur O. Darling  
 Marion E. Davis  
 Barbara F. Dervan  
 Carmin DiBlasio  
 Pierino DiBlasio  
 Edith Natalie Dickey  
 Karnig S. Dinjian  
 Irene V. Doherty  
 Caroline F. Dolloff  
 Grace A. Donahue  
 Marie Donahue  
 Grace Elizabeth Dondale  
 James M. Donovan  
 Fred J. Dugan  
 Marion C. Dunbar  
 John J. Dunne  
 Hazel C. Eddy  
 Ruth Martha Edwards  
 Warren Prescott Eldridge  
 Anthony English  
 Edna E. Ennis  
 Olive E. Evans  
 Mary E. Farland  
 Elizabeth E. Farnam  
 Helen F. Farr  
 Charlotte E. Farrow  
 John Felt  
 Lucille Ferris  
 Bernice M. Fielding  
 Madeline L. Forest  
 Francis F. Ford  
 Loretta Louise Ford

Gladys Mae Fowles  
 John R. French, Jr.  
 Lester A. French  
 Charles B. Frevort  
 Mary A. Gallant  
 Pauline Louise Gerald  
 John A. Geary  
 Joseph F. Geary  
 Joseph M. Geary  
 Marion L. Gilpatrick  
 Irma E. Goduti  
 Beatrice Goodman  
 Ethel Gertrude Goss  
 Frederick Grabowsky  
 Marguerite Graham  
 Opal L. Gray  
 Dante P. Greco  
 Edith V. Gustafson  
 Earle Eiener Hackenson  
 Mary Hall  
 Mary Helen Hall  
 James M. Hallahan  
 George W. Hallberg  
 Norman H. Handley  
 Gertrude Ada Hanlon  
 Eleanor A. Hardy  
 Mary C. Hardy  
 Alice I. Harrington  
 Charles H. Hatchor  
 Clarence A. Higgins  
 Marjorie L. Holmberg  
 Ruth Holmes  
 Richard A. Holyoke  
 Edith Augusta Horsman  
 Frederick Field Hoyt  
 John E. Hughes  
 Dorothy R. Hunzelman  
 Winifred J. Hurley  
 Elena J. Ivaska  
 Samuel D. Ivester  
 A. Harold Johnson  
 Carl D. Johnson  
 Edwin Johnson  
 Frank F. Johnson  
 Leo P. Johnson  
 Ruth K. I. Johnson  
 Walter E. Johnson  
 Virginia Johnston  
 Edith A. Jones  
 Dorothy M. Joyce  
 John P. Keator, Jr.  
 Helen G. Keleher  
 Valda Gertrude Kenison  
 Henry Stillman Kenney  
 Mary Eleanor Kenney  
 Mary Veronica Kenney  
 Edgar King  
 Gertrude Josephine King

Mildred Dorothy Komenda  
 Frederick A. Ladd, Jr.  
 Doris Richardson Lamb  
 Ruth Hebard Lamb  
 Israel Landa  
 Josephine Matheson Lane  
 Robert Larson  
 Clifford W. Lawson  
 Orrin F. Legro  
 Herbert Leavey  
 Bernard D. Levinson  
 Arthur E. Lind  
 Helen Louise Little  
 Sidney G. Lofblad  
 Edna M. Lorentzen  
 Gilbert Arthur Lown  
 Edwin J. Mace  
 Douglas M. MacDonald  
 Evelyn L. MacDonald  
 Edward A. MacKay  
 Dorothy J. MacKnight  
 Lillian Rosamond MacLeod  
 Dorothy L. Magee  
 Albert E. Malone  
 Peter Margi  
 Mary Marino  
 Doris Martin  
 Stewart C. Martin  
 Caroline Juliette Marsh  
 Ralph T. Matthews  
 Louise Abbott Marvin  
 Marshall J. McAnern  
 Ultan McCabe  
 Evelyn M. McCann  
 Doris M. McCray  
 Anna Frances McDonnell  
 James T. McGrath  
 Joseph McGrath  
 Geraldine A. McLaughlin  
 Horatio F. McNamara  
 Marguerite C. McNamara  
 Thomas M. Melville  
 Charles G. Merry  
 Frances Louise Mendell  
 Richard L. Miller  
 Lillian Milliken  
 Ruth A. Milliken  
 Helen Louise Minton  
 Joseph Franklin Mitchell  
 Laura A. Molinelli  
 Ethel I. Moore  
 George C. Morgan  
 Chester F. Morrill  
 Lawrence M. Munro  
 Thomas Gregory Murphy  
 Dorothy Esther Myers  
 Marie Louise Nadeau  
 Marguerite Nauss

Chester B. Nelson  
 Gwendolyn L. Newcombe  
 Ruth A. Nickerson  
 Elizabeth B. Nicholas  
 William D. Noyes  
 Millie Carmella Nozzolillo  
 Frances Allard O'Brien  
 Helen M. O'Brien  
 John Francis O'Brien  
 Thomas M. O'Connell  
 Joseph Oliver  
 Roger M. Ormes  
 Frederick J. Ormond  
 Alberta A. Pacheco  
 Emma M. Paganussi  
 Ellen B. Page  
 Pearl E. Partington  
 Vivian A. Paulson  
 Marion Louise Pearce  
 Ralph E. Pedersen  
 Marguerite A. Perrin  
 Audrey B. Peterson  
 Esther M. Phelan  
 Helen M. Phillips  
 Eleanor Wallace Pinkham  
 Gladys A. Pingree  
 Robert C. Pipe  
 Elmer W. Plummer  
 Yvonne Gertrude Poirier  
 Dorothea M. Pohl  
 Isabelle Porter  
 Myrtle Margret Powers  
 Pauline E. Preble  
 Wilbur M. Rauh  
 Dorothy C. Redmond  
 Marion Elliott Rich  
 Lewis D. Richards  
 Ethel A. Richford  
 Florence Edmonia Richmond  
 Alice L. Riddick  
 Clara Pearl Rines  
 Edith L. Ritchie  
 Carl A. Rounds  
 Genevieve S. Ryan  
 William Sadlier  
 Anna Victoria Sandstrom  
 George Louis Sassi  
 Rosamond C. Sawin  
 Bessie Schneider  
 Olga Seya  
 Douglas E. Shaw  
 Charles Silliker  
 Karl W. Silva  
 Harold N. Simpson

Florence M. Sinton  
 Helen Clara Skeffington  
 Dorothy Spooner  
 Alice M. Sprague  
 Henrietta Marie Springer  
 Eleanor F. Stackpole  
 Bertha M. Steele  
 Martin C. Stennes  
 Sarkis Stepanian  
 Edith M. Strong  
 Frank H. Storey  
 Francis M. Sullivan  
 Beatrice H. Swinehamer  
 Evelyn A. Testa  
 Edward E. Thayer  
 Doris Augusta Thomson  
 Jean E. Thurner  
 Lillian M. Thurston  
 John Summerfield Todson, Jr.  
 Karl Martin Tomfohrde  
 Floyd Hamilton Tottle  
 Robert E. Townsend  
 Marion Churchill Trask  
 Edith E. Truesdell  
 Beatrice Christine Ulen  
 John E. L. Ugolini  
 Hazel Evelyn Union  
 Albert Jackson Wade  
 Iola Eleanor Wallace  
 Alice Regina Walsh  
 Thomas J. Walsh  
 Mae Walsh  
 Gladys Alberta Watson  
 Hilda Watson  
 Annie Wardrope  
 Eldon D. Wedlock  
 Stanley E. Wells  
 Augustus Edward White  
 J. Miles White  
 Hazel C. Wilcox  
 Louise E. Wilcox  
 Lester Francis Williams  
 Richard G. Williams  
 Edith F. Wilson  
 Muriel E. Wilson  
 Marion Elizabeth Winchenbach  
 John Woodman  
 Mary E. Worthley  
 Gamaliel Yacubian  
 Bessie Yeran  
 Kenneth Earle Young  
 Ernest C. Zappini  
 Charles J. Zec  
 Lillian Zimmerman



## TABLE 27—VOCATIONAL SCHOOL GRADUATES

## Vocational School for Boys

Ralph Able Babcock	Paul Regan
Albert Behrle	Edgar F. Stokes
Walter Lorenzo Brown	Stanley Edward Wilk
Clifford Manley Chesley	

## Table 28—Organization of School Board, 1924

## School Committee

OSCAR W. CODDING . . . . .	Chairman
WALTER I. CHAPMAN, . . . . .	Vice-Chairman

## Members

## EX-OFFICIIS

JOHN M. WEBSTER, Mayor . . . . .	76 Boston street
LYMAN A. HODGDON, President Board of Aldermen,	8 Indiana avenue

## WARD ONE

FRANCIS J. FITZPATRICK, . . . . .	2 Austin street
JOHN J. HAYES, . . . . .	10 Wisconsin avenue

## WARD TWO

DANIEL H. BRADLEY, . . . . .	19 Concord avenue
CHRISTOPHER J. MULDOON, . . . . .	88 Concord avenue

## WARD THREE

CHARLES W. BOYER, . . . . .	66 Avon street
OSCAR W. CODDING, . . . . .	59 Vinal avenue

## WARD FOUR

KATHERINE C. COVENEY, . . . . .	73 Marshall street
WALTER E. WHITTAKER, . . . . .	135 Walnut street

## WARD FIVE

HARRY M. STOODLEY, . . . . .	283 Highland avenue
MINNIE S. TURNER, . . . . .	64 Hudson street

## WARD SIX

WALTER I. CHAPMAN, . . . . .	18-A Central street
WALTER FRYE TURNER, . . . . .	15 Highland road

## WARD SEVEN

HERBERT CHOLERTON, . . . . .	94 College avenue
EDWIN A. SHAW, . . . . .	63 College avenue

## Superintendent of Schools

CHARLES S. CLARK

Office: City Hall Annex, Highland avenue.

Residence: 75 Munroe street.

The Superintendent's office will be open on school days from 8 to 5; Saturdays, 8 to 10. His office hour is 4 o'clock on school days, and 8.30 on Saturdays.

## Superintendent's office force:

Mary A. Clark, 42 Highland avenue.  
 Mildred A. Merrill, 26 Cambria street.  
 H. Madeline Kodad, 104 Sharon street, West Medford.  
 Marion E. Marshall, 30 Gilman street.  
 Ruth O. Elliott, 4 Lincoln Place.  
 Beatrice M. Hersom, 62 Highland avenue.  
 Bernice F. Parker, 11 Dickson street.

## Board Meetings

January 7	April 28	October 27
January 28	May 26	November 24
February 18	June 30	December 29
March 31	September 29	
	8.15 o'clock.	

## Standing Committees

Note—The member first named is chairman.

District I. — Fitzpatrick, Hayes, Bradley.

PRESCOTT, HANSCOM, BENNETT.

District II. — Muldoon, Bradley, Fitzpatrick.

KNAPP, PERRY, BAXTER.

District III. — Boyer, Coddling, Muldoon.

POPE, CUMMINGS

District IV. — Coveney, Whittaker, Coddling.

EDGERLY, GLINES.

District V. — Miss Turner, Stoodley, Coveney.

FORSTER, BINGHAM.

District VI. — Chapman, Turner, Stoodley.

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

District VII. — Cholerton, Shaw, Chapman.

HIGHLAND, CUTLER, LINCOLN, LOWE.

High Schools — Chapman, Stoodley, Hayes, Bradley, Coddling, Whittaker, Shaw.

School Accommodations — Cholerton, Bradley, Fitzpatrick, Boyer, Miss Coveney, Miss Turner, Turner, Mayor Webster, President Hodgdon.

Teachers — Miss Turner, Chapman, Fitzpatrick, Muldoon, Coddling, Miss Coveney, Cholerton.

Finance — Stoodley, Fitzpatrick, Muldoon, Coddling, Miss Coveney, Chapman, Cholerton, Mayor Webster, President Hodgdon.

Text-Books and Courses of Study — Muldoon, Chapman, Hayes, Coddling, Miss Coveney, Miss Turner, Shaw.

Industrial Education — Boyer, Muldoon, Hayes, Whittaker, Miss Turner, Turner, Cholerton.

Health, Physical Training and Athletics—Fitzpatrick, Boyer, Bradley, Whittaker, Stoodley, Turner, Shaw.

Rules and Regulations — Turner, Hayes, Bradley, Boyer, Whittaker, Stoodley, Shaw.

TABLE 29—TEACHERS IN SERVICE, JANUARY, 1924

Name and Residence			
HIGH SCHOOL			
Central Hill		Began	Salary Service
John A. Avery, Head Master, 22 Dartmouth Street	\$4100	1895	
Everett W. Tuttle, Vice-Head Master, 62 Highland Avenue	2900	1895	
Frank H. Wilkins, Master, 73 Foster Street, Arlington	2700	1906	
John L. Hayward, Master, 242 School Street	2500	1913	
Harry F. Sears, Master, 44 Orris Street, Melrose Highlands	2700	1901	
William W. Obear, Master, 10 Greenville Street	2700	1906	
George M. Hosmer, 31 Adams Street	2500	1901	
Laurence A. Sprague, 17 Perkins Street, West Newton	2400	1906	
Arthur N. Small, 81 Avon Street	2400	1916	
Fred W. Carrier, 14 Lloyd Street, Winchester	2400	1915	
Wallace S. Hall, 37 Perkins Street, West Newton	2100	1919	
Irving P. Colman, Greenbush	2000	1915	
Albert O. Plantinga, 83 Park Street, Melrose	2100	1918	
George E. Pearson, 325 Highland Avenue	2400	1914	
Forrest S. Miller, 8 Hudson Street	2000	1920	
L. Thomas DeCelles, 46 Ware Street	1900	1919	
Helen L. Follansbee, 17 Pleasant Avenue	2100	1900	
Harriet E. Tuell, 17 Pleasant Avenue	1900	1899	
Elizabeth Campbell, 39 Greenville Street	1900	1902	
A. Laura Batt, 2 Madison Street	1900	1895	
M. Helen Teele, 11 Jason Street, Arlington	1900	1895	
Blanche S. Bradford, 163 Summer Street	1750	1903	
Grace E. W. Sprague, 888 Mass. Avenue, Cambridge	1850	1908	
Mrs. Lucy I. Topliff, 69 Cypress Street, Brookline	1750	1914	
Ella D. Gray, 147 Walnut Street	1750	1901	
Grace Gatchell, 9 Hamlet Street	1750	1906	
A. Marguerite Browne, 27 Everett Street, Cambridge	1800	1908	
Esther Parmenter, 16 Mystic Lake Drive, Arlington	1600	1911	
Annie C. Woodward, 2 Madison Street	1750	1906	
Alice A. Todd, 82 Munroe Street	1750	1913	
Ella W. Bowker, 2 Hillside Avenue	1750	1911	
Florence L. McAllister, 23 Wallace Street	1750	1913	
Laura R. Cunningham, 62 Highland Avenue	1750	1914	
Julia A. Haley, 88 Prospect Street	1600	1913	
Mary C. Smith, 117 Prospect Street	1750	1916	
Gladys L. Swallow, 15 Pleasant Avenue	1750	1916	
Alfreda Veazie, 193 Linden Street, Everett	1750	1916	
Mrs. Phebe E. Mathews, 159 Morrison Avenue	1750	1916	
Mrs. Ruth L. Card, 10 Oak Rd., Wellesley	1750	1913	
Ilene C. Ritchie, 15 Willoughby Street	1750	1912	
Ella W. Burnham, 58 Walnut Street	1650	1919	
Mrs. Cornelia D. Pratt, 112-A Glenwood Road	1750	1919	
Bernice O. Newborg, 12 Hale Avenue, Medford	1600	1918	
Louise M. Saunders, 1 Waterhouse Street, Cambridge	1750	1919	
Gertrude W. Chaffin, 10 Copeland Terrace, Malden	1750	1916	
Elizabeth M. Welch, 3 Washington Avenue, Arlington Heights	1750	1919	
Harriet M. Bell, 62 Highland Avenue	1750	1904	

TABLE 29—Teachers in Service, January, 1924—Continued

Name and Residence	Salary	Began Service
Dorothy E. Harvey, 61 Pennsylvania Avenue	1650	1920
Margery Moore, 58 Walnut Street	1600	1920
Mrs. Edith M. Hudson, 105 Rogers Avenue	1750	1920
Harriet C. Whitaker, 75 Walnut Street	1750	1921
Ruth C. MacDuffie, 30 Wadsworth Street, Allston	1500	1921
Ruth E. Arrington, 37 Walnut Street	1500	1921
Margaret Cochran, 34 Hancock Street, Medford	1600	1921
Elizabeth I. Fury, 11 East Newton Street, Boston	1600	1921
Sadie M. Lyle, 25 Lowden Avenue	1500	1921
Carmen Solano, 1135 Commonwealth Avenue, Allston	1600	1922
Phebe R. Boole, 21 Sacramento Street, Cambridge	1750	1922
Ruby F. Sutherland, 95 Central Street	1500	1922
Helen B. Ryan, 35 Columbus Avenue	1650	1918
Sophia C. Mague, 1766 Washington Street, Auburndale	1650	1921
Rena S. Hezelton, 17 Preston Road	1650	1909
Edna C. Woodbury, 202 School Street	1300	1921
M. Louise Hannon, 108 Thurston Street	1650	1923
Ethel M. Moore, 44 Benton Road	1600	1923
Elsie M. Ross, 15 Norway Street, Boston	1600	1908
Elizabeth Richards, 16 Ashland Street, Medford	1500	1923
Ethyn Williams, 65 Mt. Auburn Street, Cambridge	1500	1923
E. Bella Weisman, 17-A Melvin Street	1400	1921
Irene E. Kenney, 51 Avon Street	1400	1923
Inez M. Atwater, 93 Electric Avenue	1300	1923
†Edna C. Hoskins, 22 Hillside Road, Medford	1500	1923
Gladys M. H. Sullivan, 40 Pearson Avenue	1200	1922
Habell M. Ham, Clerk, 41 Boston Street	1500	1906
Emma M. Alls, Clerk, 36 Simpson Avenue	\$14. per wk.	1923
*Wesley A. Maynard, 40 Vinal Avenue	840	1918
Mrs. Minne T. Wyman, Matron	1300	1923

\* Park time

† Temporary teacher

## EASTERN JUNIOR HIGH SCHOOL

## Pearl Street

James S. Thistle, Master, 18 Whitfield Road	\$3100	1924
Francis J. Mahoney, Vice-Principal, 16 Parker Street	2200	1919
Walter W. Newcombe, 172 Central Street	1900	1917
Benjamin Q. Belonga, 316 Lincoln Avenue, Cliftondale	1900	1922
Elizabeth M. Warren, 109 Highland Avenue	1675	1897
Sarah H. Christie, 4 Fordham Ct., Jamaica Plain	1600	1914
Edyth M. Grimshaw, 316 Hyde Park Avenue, Jamaica Plain	1600	1909
Pertie I. Gray, 23 Melvin Street	1600	1917
Edith L. Laycock, 92 Summer Street, Everett	1600	1913
Elizabeth J. Mooney, 20 Pleasant Avenue	1600	1904
Mary A. Hickey, 90 Myrtle Street	1600	1918
Elma Isaac, 32 Richardson Street, Brighton	1500	1918
Velma B. Strout, 36 Francesca Avenue	1600	1918
Mrs. Constance H. Scherer, 25 Falmouth Street, Belmont	1600	1917
Kathinka Fessman, 1126 Boylston Street, Boston	1750	1912
Olive E. Whittier, 4 Fordham Ct., Jamaica Plain	1600	1918
Mrs. Amelia M. Gray, 70 Lawrence Street, Medford	1500	1920
Adela L. Balch, 223 Mountain Avenue, Arlington	1600	1921
Rachel M. Pratt, 114 Newbury Street, Boston	1500	1921
Katherine Quigley, 580 Adams Street, East Milton	1600	1921
Lucy Dorr, 37-A Central Street	1600	1919
Hazel L. Smith, 15 Victoria Street	1200	1922
Mrs. Clara B. Donlon, 37 Washington Street, Ayer	1600	1914



TABLE 29—Teachers in Service, January, 1924—Continued

Name and Residence		Salary	Service Began
SOUTHERN JUNIOR HIGH SCHOOL			
Vinal Avenue			
George M. Wadsworth, Master, Whitman		\$3100	1891
Raymond E. Shepherd, Vice-Principal, 16 Grand View Avenue		2200	1919
Arthur E. Gordon, 116 School Street		2000	1918
Melvin T. Carver, 247 Winthrop Street, Winthrop		2000	1917
Herbert H. Shallies, 7 New Hampshire Avenue		1800	1923
Clara B. Sackett, 16 Madison Street		1600	1891
Mrs. Blanche G. North, 25 Columbus Avenue		1600	1893
Mrs. Gertrude W. Leighton, 31 Vinal Avenue		1600	1895
Grace T. Merritt, 10 Charnwood Road		1600	1897
Mrs. Marie T. Smith-Brandt, 1 Aldersey Street		1600	1898
Lilla E. Mann, 39 Burnside Avenue		1600	1902
Mrs. Mary B. Soule, 6 Aldersey Street		1600	1902
Leila L. Rand, 24 Cambria Street		1600	1906
Mrs. N. Theresa Hennessey, 65 Hawthorne Street, Lynn		1600	1909
Nona E. Blackwell, 45 Ibbetson Street		1600	1906
Edith L. French, 52 Prescott Street		1600	1912
Emma J. Kennedy, 15 Pleasant Avenue		1600	1912
Maude M. Cunningham, 15 Pleasant Avenue		1600	1913
Carrie M. Frost, 102 Powder House Blvd.		1600	1920
Charlotte A. Holmes, 24 Cambria Street		1600	1899
Ada G. Macdonald, 43 Babcock Street, Brookline		1600	1914
Anna J. Coll, 65 Newton Street		1600	1916
F. Antoinette Pratt, 31 Vinal Avenue		1600	1918
Olive M. Brownell, 64 Vinal Avenue		1600	1919
Ruth H. Conner, 13 Pleasant Avenue		1600	1921
Edith V. Blood, Medfield, Mass.		1600	1921
Mabel H. Eddy, 68 St. Stephen Street, Boston		1600	1922
Beulah M. Newell, 65 Hudson Street		1300	1922
Eleanor Campbell, 169 Highland Avenue		1300	1922
Ida Paly, 82 Concord Avenue		1200	1922
Mrs. Elsie B. Fiske, 17 Russell Road		1300	1921
Martha H. Hannon, 108 Thurston Street		1500	1923
Helen M. Currie, 146 Morrison Avenue		1100	1923
NORTHERN JUNIOR HIGH SCHOOL			
Sycamore Street and Evergreen Avenue			
James S. Thistle, Master, 18 Whitfield Road		.....	1924
Joseph S. Hawthorne, Vice-Principal, 233 School Street		2200	1915
Arthur J. Marchant, 60 Bartlett Street		2000	1914
Guy P. Carver, 16 Fairmount Avenue		1800	1923
Mary I. Bradish, 63 Dudley Street, Medford		1600	1899
Emma G. Blanchard, 146 Massachusetts Avenue, Boston		1700	1902
Mrs. Mina P. Bickford, 36 Emerson Street, Medford		1600	1903
Mary F. Mead, 22 Kidder Avenue		1600	1905
Mrs. Anna R. McLaughlin, 31 Avon Street		1600	1914
Mary C. Fox, 28 Linden Street		1500	1918
Florence R. Gallagher, 16 Otis Street, Medford		1600	1918
May B. Thompson, 110 Highland Road		1600	1918
Minnie A. Holden, 10 Summit Avenue		1600	1906
Alice M. Patterson, 34 Francesca avenue		1600	1919
Mrs. Gladys M. Sheldon, 55 Liberty Street, Everett		1500	1919
Annie G. Merrill, 33 Stuart Street, Everett		1600	1919
Marie Clifford, 1648 Mass. Avenue, Cambridge		1600	1907
Mary Donoghue, 80 Porter Road, Cambridge		1600	1911
Grace M. Driscoll, 25 Arthur Street		1300	1920
Olive B. Place, 2 Pleasant Avenue		1500	1920
Amy S. Irish, 60 Winsor Avenue, Watertown		1400	1923
Mary L. Holway, 82 Benton Road		1200	1923
Helen C. Jackson, 645 Fellsway, Medford		1300	1923
Aline L. Morgan, 12 Sunnyside Avenue		1500	1923
Mary E. O'Shaughnessy, 76 Derby Street		1200	1923
†Elsa Wilde, 15 Sartwell Avenue		1300	1923

† Temporary Teacher

TABLE 29—Teachers in Service, January, 1924—Continued

Name and Residence			
WESTERN JUNIOR HIGH SCHOOL			
Holland Street		Salary	Began Service
Arthur L. Doe, Master,	27 Spruce Street, Malden	\$3100	1896
Walter P. Sweet, Vice-Principal,	40 Teele Avenue	2200	1919
John J. McLaughlin,	31 Avon Street	2000	1916
Ralph E. Farnsworth,	43 Chelsea Street, Everett	2000	1918
Prescott E. Whitfield,	33 Walnut Street	1700	1921
Sarah E. Pray,	58 Liberty Avenue	1600	1877
Clara B. Parkhurst,	146 Highland Avenue	1600	1889
Edith F. Hersey,	21 College Avenue, Medford	1600	1899
Annie G. Smith,	59 Maple Street, Malden	1600	1901
Mary L. Bryant,	41 Mason Street	1600	1903
Florence M. Hopkins,	288 Mass. Avenue, Arlington	1600	1907
Katherine A. Breen,	7 Cambria Street	1600	1912
L. Alice Grady,	19 Billings Avenue, Medford	1600	1912
Elizabeth R. Henderson,	152 Curtis Street	1600	1912
Marion F. Orne,	43 Fairmount Avenue	1600	1912
Mrs. Helen S. Wright,	47 Hall Avenue	1600	1916
Mrs. Mae W. Conant,	25 Crescent Hill Ave., Arlington Hts.	1600	1917
Marcella M. Garrick,	295 Lowell Street	1500	1917
Blanche Preston,	84 Packard Avenue	1600	1917
Miriam E. Priest,	6 Hudson Street	1600	1917
Mrs. Geneva C. Farnsworth,	43 Chelsea Street, Everett	1600	1917
Jessie M. Howard,	108 Hemenway Street, Boston	1500	1919
Helen A. Moran,	483 Medford Street	1500	1919
Emma M. Damon,	170 Central Street	1600	1908
Catherine E. Giles,	5 Bradbury Avenue, Wellington	1600	1918
Mrs. Augusta H. Bergin,	55 Fenwood Road, Boston	1600	1920
Ellen L. Bellamy,	38 Paulina Street	1600	1921
Helen M. Stone,	146 Curtis Street	1600	1921
Ethel M. Park,	238 Powder House Boulevard	1600	1916
Mrs. Lillias T. Lawton,	136 Neponset Avenue, Dorchester	1600	1913
Mrs. Ruth A. Maxwell,	15 Munroe Street	1400	1922
Ethel G. Beal,	114 Rogers Avenue	1500	1922
Eleanor V. Nemser,	25 Walker Street	1200	1922
†Mrs. Hatty May Nash,	22 Powder House Terrace	1300	1923
Elizabeth A. Stolba,	252 Lexington Street, Cambridge	1500	1923
†Veola DeLauzon,	12 Pembroke Street	1300	1923

† Temporary Teacher.

TABLE 29—Teachers in Service, January, 1924—Continued

Name and Residence		Salary	Began Service
VOCATIONAL SCHOOL FOR BOYS (Day)			
Davis Building, Tufts Street			
Harry L. Jones, Principal, 137 Powder House Blvd.		\$3300	1896
Nehemiah E. Gillespie, 81 Worcester Street, Boston		2100	1911
Charles A. Kirkpatrick, 27 Sewall Street		2000	1913
H. Ralph Aubin, 6 Oxford Street		2100	1917
Roy R. King, 14 Landers Street		1900	1918
Phillip J. Heffernan, 282 Boston Avenue, Medford		1900	1918
Benjamin C. Bowman, 18 Michigan Avenue		1700	1919
Charles A. Perry, 4 Bulfinch Place, Boston		2100	1922
Mrs. Ethel M. Smith, Clerk, 20 Langmaid Avenue		\$21 per wk.	1921

## INDEPENDENT HOUSEHOLD ARTS SCHOOL

## High School Building

Mary Henleigh Brown, Director, 162 Highland Avenue	\$2200	1911
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## CONTINUATION SCHOOL

## High School Building

Everett W. Ireland, Principal, 138 Packard Avenue	\$2800	1920
H. Dunbar Davis, 99 Summer Street	1800	1923
Kells S. Boland, 1200 Mass. Avenue, Cambridge	1800	1920
Estelle Crowe, 56 Sunset Road	1300	1920

## (WILLIAM H.) PRESCOTT SCHOOL

## Pearl and Myrtle Streets

Grade.	Name and Residence	Salary	Began Service
4	Edith C. Polechio, 706 Moody Street, Waltham	\$1500	1922
4:3	Mrs. Hazel S. Ashman, 42 Bay Street Avenue	1500	1922
3	Elizabeth L. Marvin, 12 Billingham Street	1500	1898
2	Louise E. Pratt, 11 Prospect Hill Avenue	1500	1889
2	Mrs. Grace E. Allen, 107 Pennsylvania Avenue	1500	1919
1	Jeannette M. Hannabell, 44 Benton Road	1500	1917
1	Dorothea Shay, 68 Mt. Pleasant Court	1300	1920

## SANFORD HANSCOM SCHOOL

## Webster and Rush Streets

	Florence A. Chaney, Master, 49 Boston Street	.....	1919
4	Mrs. Agness M. Travis, 27 Marianne Rd., Waltham	\$1650	1908
4	Maude A. Nichols, 78 Oxford Street	1500	1906
3	Jennie M. Twiss, 67 Berkeley Street	1500	1903
3	*Frances E. Robinson, 97 Glen Street	1500	1908
3	Anna A. Burns, 118 Perkins Street	1000	1923
3	Mrs. Nellie W. McPheters, 163 Summer Street	1500	1914
2	Martha L. Littlefield, 163 Summer Street	1500	1897
2	Florence M. Shaw, 28 Whitfield Road	1500	1909
1	Ethel H. Werner, 20 Laurel Street, Arlington	1400	1919
1	Marion A. Viets, 122 Dale Street, Waltham	1500	1912
1	Alice M. Saben, 11 Prospect Hill Avenue	1500	1903
Kdgn.	Elizabeth J. Baker, 19 West Cedar St., Boston	1400	1907
Asst.	Mrs. Dorothy C. Huddy, Oakley Terrace, Belmont	1250	1921

\* Leave of absence.

TABLE 29—Teachers in Service, January, 1924—Continued

Name and Residence			
CLARK BENNETT SCHOOL			
Poplar and Maple Streets			
Grade.		Salary	Began Service
	John Sherburne Emerson, Master, 3 Preston Road	\$3000	1894
5	Kate B. Gifford, Russell House, Lexington	1650	1902
5:4	Lois P. Wilbur, 54 Albion Street	1500	1923
4	Abbie M. Brown, 84 Perkins Street	1300	1923
3	†Bessie W. Young, 5 Claremon Street	1400	1923
3	Mrs. Katherine D. Millen, 22 Lovell Street	1400	1920
2	Marie L. Wiczorek, 65 Mt. Auburn St., Cambridge	1500	1922
2	Sarah L. Wolfe, 121 Morrison Avenue	1100	1922
1	Mrs. Cora B. Gowen, 87 St. Stephen St., Boston	1500	1906
1	Alice M. Hayes, 81 Benton Road	1500	1913
1	Elvira Badaracco, 1874 Beacon Street, Brookline	1100	1922
Kdgn.	Helen E. Harrington, 1675 Mass. Avenue, Cambridge	1400	1912
Asst.	Mary B. White, 109 Highland Avenue	1100	1921

† Temporary Teacher.

## GEORGE L. BAXTER SCHOOL

Bolton Street

	Francis A. Ryan, Master, 12 Bowdoin St., Arlington.....		1919
4	Mary G. Blackwell, 45 Ibbetson Street	\$1600	1900
3	Margaret M. Breen, 461 Somerville Avenue	1500	1916
2	Sue A. Fitzpatrick, 451-A Somerville Avenue	1500	1912
1	Maria D. MacLeod, 78 Larchwood Drive, Cambridge	1500	1906
Kdgn.	Eleanor A. Connor, 86 Belmont Street	1400	1903
Asst.	Margaret McCarthy, 34 Highland Avenue	900	1922

## OREN S. KNAPP SCHOOL

Concord Avenue

	Francis A. Ryan, Master, 12 Bowdoin St., Arlington	\$3000	1913
6	Winifred I. Macdonald, 43 Babcock Street, Brookline	1650	1917
6	Ellen C. Moynihan, 12 Farrington Avenue, Allston	1500	1919
6	Etta R. Holden, 10 Summit Avenue	1500	1908
6	Eleanor M. Lundgren, 93 Lowden Avenue	1500	1919
5	Marguerite G. Stanton, 60 Ossipee Road	1400	1922
5	Alice A. Tassinari, 94 Beacon Street	1500	1919
4	Agnes C. Riley, 112 Central Street	1500	1918
3	†Helen F. Gallagher, 15 Naples Road, Brookline	900	1923
2	Mildred A. Dewire, 383 Washington Street	1000	1923
1	†Gertrude I. McEachern, 14 Sanborn Avenue	600	1923

† Temporary Teacher.

## ALBION A. PERRY SCHOOL

Washington Street, near Dane Street

	Francis A. Ryan, Master, 12 Bowdoin St., Arlington .....		1919
5	Catherine E. Sweeney, 48 Everett Street, Arlington	\$1600	1901
4	Mary A. Mullin, Canton	1500	1910
4	Mary E. Keefe, 44 Benton Road	1500	1922
3	Irene Vincent, 47 Vinal Avenue	1500	1903
2	Mrs. Sarah E. Murphy, 55 Bristol Road	1500	1906
1	Grace R. O'Neil, 347 Washington Street	1500	1913



TABLE 29—Teachers in Service, January, 1924—Continued

		Name and Residence			
		CHARLES G. POPE SCHOOL			
Grade.		Washington and Boston Streets	Salary	Began	Service
		(JOHN A.) CUMMINGS SCHOOL			
		School Street, near Highland Avenue			
		(JOHN G.) EDGERLY SCHOOL			
		Cross and Bonair Streets			
		(JACOB T.) GLINES SCHOOL			
		Jacques Street, near Grant Street			
		Kdgn.			
		Asst.			

\* Leave of Absence.

TABLE 29—Teachers in Service, January, 1924—Continued

		Name and Residence		
		(CHARLES) FORSTER SCHOOL		
		Sycamore Street and Evergreen Avenue	Salary	Began Service
Grade.				
6,	5	Elizabeth F. Clement, 29 Kidder Avenue	\$1500	1884
5,	4	Annie S. Gage, 32 Marshall Street	1500	1881
3,	2	Carrie T. Lincoln, 65 Ashland Street, Medford	1500	1892
2,	1	Grace Shorey, 142 Sycamore Street	1500	1892
(NORMAN W.) BINGHAM SCHOOL				
Lowell Street, near Vernon Street				
		Harry F. Hathaway, Master, 29 Albion Street	\$3000	1890
6		Elizabeth J. O'Neil, 82 Benton Road	1650	1894
6		Anna G. Molloy, 82 Benton Road	1500	1921
6,	5	Jane Batson, 12 Washington Place, Malden	1500	1900
5		Clara L. Griffiths, 39 Ames Street	1500	1902
5		Helen F. Wiseman, 43 Highland Ave., Cambridge	1500	1922
4		Anna R. Canfield, 205 Cedar Street	1500	1914
4		Alice A. Griffiths, 39 Ames Street	1500	1920
4,	3	Barbara E. Drummey, 43 Short Street, Marlboro	1500	1918
3		Lillian F. Commins, 6 Cypress Street, Cambridge	1500	1914
3		Lynda V. Merrill, 26 Brastow Avenue	1500	1912
2		Ruth A. Gilman, 63 Berkeley Street	1500	1923
2		M. Gertrude McCarthy, 36 Brastow Avenue	1500	1917
2,	1	Ethel F. Rudd, 46-A Franklin Street	1200	1921
1		Mabel E. Mansir, 77 Albion Street	1500	1894
1		Frances E. Fisher, 176 Williams Avenue, East Lynn	1500	1921
Kdgn.		Mrs. M. Regina McDonough, 3 Oak St., Charlestown	1400	1918
Asst.		Marguerite Driscoll, 396 Medford Street	1200	1921
MARTIN W. CARR SCHOOL				
Atherton Street				
		Samuel A. Johnson, Master, 5 Gardner Ter., Allston	\$3100	1893
6		Eva S. Bent, 10 Steeves Circle	1650	1915
6		Susie L. Luce, 22 Francesca Avenue	1500	1891
6,	5	Mrs. Hazel F. Quinn, 21 Hamilton St., Wollaston	1500	1915
6		Mrs. Helen M. Mason, 62 Ibbetson Street	1500	1920
5		Lillian E. Haskell, 41 Putnam Street	1500	1913
5		Elizabeth S. Foster, 53 Laurel Street	1500	1895
5		Dorothy L. Lundgren, 93 Lowden Avenue	1500	1915
4		Alice M. Cumming, 117 School Street	1500	1917
4		Mrs. Ada C. Mawhinney, 25 Walnut Street	1500	1919
3		Margaret M. Brennan, 30 School Street	1500	1917
3		Bessie I. Berry, 38 Wyllis Avenue, Everett	1500	1915
2		Annie B. Russell, 14 Kidder Avenue	1500	1901
2		Mary E. Flanley, 9 Avon Street, Wakefield	1500	1915
1		Frances E. Welch, 303 Highland Avenue	1500	1908
1		Mabel R. Ingham, 62 Central Street	1500	1912

TABLE 29—Teachers in Service, January, 1924—Continued

Name and Residence		Began	
(ENOCH R.) MORSE SCHOOL		Salary Service	
Grade.	Summer and Craigie Streets		
	Frank W. Seabury, Master, 18 Winslow Avenue	\$3100	1911
6	Mrs. Harriette C. Hamilton, 36 Meacham Road	1650	1900
6:5	Lennie W. Bartlett, 49 Laurel Street	1500	1893
5	Blanche E. Thompson, 53 Laurel Street	1500	1906
4	Mrs. Sarah K. Lake, 199 Prospect St., Cambridge	1400	1921
4:3	Eva A. Wilson, 153 Lowell Street	1500	1917
3	Mrs. Agnes C. Rice, 34 Highland Avenue	1500	1900
2	Edna M. Scriven, 108 Summer Street	1100	1922
2	Lena Munroe, 211-A Summer Street	1500	1913
1	Mrs. Helen T. Smith, 43 Paulina Street	1500	1912
1	Louise F. Deady, 84 Bay State Avenue	1500	1917
Kdgn.	Gertrude Prichard, 5 Webster Street	1400	1920
Asst.	Elizabeth White, 42 Exeter Street, Lawrence	1100	1921

## GEORGE O. PROCTOR SCHOOL

Hudson Street

	Harry F. Hathaway, Master, 29 Albion Street	.....	1912
6	Nora F. Byard, 27 College Avenue	\$1650	1884
6:5	Alice G. Hosmer, 42 Boston Street	1500	1906
5	Mrs. Nettie L. Fay, 15 Pleasant Avenue	1500	1901
4	Ethel F. Morang, 18 Curtis Avenue	1500	1920
4:3	Eliza I. Patterson, 11 East Newton St., Boston	1500	1919
3	Edith L. Hunnewell, 41 Mason Street	1500	1894
2	Mary S. Richardson, 347 Boston Avenue, Medford	1500	1906
1	Lucia Alger, 163 Summer Street	1500	1889

## GEORGE W. DURELL SCHOOL

Beacon and Kent Streets

	Samuel A. Johnson, Master, 5 Gardner Ter., Allston	.....	1893
4	Abigail P. Hazelton, 14 Billingham Street	\$1600	1902
3	Grace E. Packard, 12 Carlisle Street, Roxbury	1500	1912
2	Mary Winslow, 117 Elm Street	1500	1887
1	Alice M. Dicker, 82 Marion Street, East Boston	1500	1912

## MARK F. BURNS SCHOOL

Cherry Street, near Highland Avenue

	Frank W. Seabury, Master, 18 Winslow Avenue	.....	1911
4	Mrs. Margaret D. Quarrie, 21 Bay State Avenue	\$1650	1909
4	Lizzie E. Hill, 121 St. Stephen Street, Boston	1500	1890
3	Annie L. Brown, 4 Saginaw Avenue, N. Cambridge	1500	1885
3	Margaret Beattie, 401 Washington Street	1500	1914
2	Mary E. Lacy, 63 Cherry Street	1500	1890
2	Ardelle Abbott, 71 Craigie Street	1500	1896
1	Alice E. Morang, 18 Curtis Avenue	1500	1893
1	Ruth E. Andrews, 21 College Avenue	1500	1917



TABLE 29—Teachers in Service, January, 1924—Continued

Name and Residence			
BENJAMIN G. BROWN SCHOOL			
Grade.	Willow Avenue and Josephine Avenue	Salary	Began Service
	Geo. I. Bowden, Master, 92 Monument St., W. Med.	\$3000	1908
6	Mary T. Ford, 3 Goodwin Pl., Boston	1500	1911
5	Annie Sanburn, 11 East Newton Street, Boston	1500	1906
4	Anna N. Johnson, 33 Everett Avenue	1500	1913
4	Helen L. Galvin, 1450 Commonwealth Ave., Allston	1500	1903
3	Pauline Thiesfeldt, 159 Mystic St., Arlington	1500	1923
3	Alice M. Dorman, 159 Morrison Avenue	1500	1903
2	Mrs. Grace H. Bliss, 33 Whitfield Road	1500	1900
2:1	Mrs. Bessie T. MacCutcheon, 87 Boston Street	1500	1915
1	Olivia H. Norcross, Wilmington	1500	1914

## HIGHLAND SCHOOL

Highland Avenue and Grove Street

	Harlan P. Knight, Master, 22 Hamilton Road	.....	1919
6	Grace M. Clark, 10 Vernon Street, W. Medford	1650	1893
6	Margaret McLeod, 14 Ware Street	1400	1923
6	Eva M. Barrows, 1 Glover Circle	1500	1903
6:5	Marion Allen, 74 Collins Street, Danvers	1500	1911
5	Catherine A. Burden, 50 College Avenue	1500	1902
5	Hazel M. Stone, 915 Broadway	1500	1919
5	Carrie E. Crockett, 27 Lincoln St., Stoneham	1500	1923

## S. NEWTON CUTLER SCHOOL

Powder House Boulevard, near Raymond Avenue

	Harlan P. Knight, Master, 22 Hamilton Road	\$3000	1897
6	Bernice J. Andrews, 10 Locke Street, No. Cambridge	1650	1914
6	Mrs. Minnie R. Lougee, 631 High St., West Medford	1500	1922
6	*Ella H. Bucknam, 170 Powder House Boulevard	1500	1897
6	Mrs. Mabel T. Totman, 163 Summer Street	1500	1893
6	†Alice Parlin, 40 Highland Avenue	1100	1923
5	Bessie J. Baker, 19 Mills Street, Malden	1500	1905
5	Mrs. Mabel W. Thomas, 36 Brastow Avenue	1500	1919
5	Alice A. Libbey, 20 Chandler Street	1500	1919
5	Eugenia Carver, 65 Hudson Street	1500	1922
4	Mrs. Elva A. Cutler, 36 Powder House Boulevard	1500	1911
4	Mrs. M. Eunice Byrne, 37 Sunset Road	1500	1912
4	Mrs. Katie L. Harmon, 83 Curtis Street	1500	1916
3	Mrs. Elsie M. Guthrie, 50 Bromfield Road	1500	1919
3	E. Mildred Milner, 2 Billingham Street	1500	1920
2	Mrs. Nettie M. Humiston, 43 Fairmount Avenue	1500	1920
2	Almena J. Mansir, 77 Albion Street	1500	1899
2	Stella Bucknam, 319 Highland Avenue	1300	1917
1	*Annie H. Hall, 170 Powder House Boulevard	1500	1906
1	Mary L. McKenna, 294 Lowell Street	1500	1915
1	Eleanor E. Waldron, 135 Powder House Boulevard	1300	1919
1	Alice M. McFarland, 90 Prospect Street	1000	1923
Kdgn.	Mrs. Dorothea G. Lamb, 90 Curtis Street	1400	1921
Asst.	Hilda Foley, 141 Bowdoin St., Dorchester	600	1923

† Temporary Teacher.

\* Leave of absence.

## LINCOLN SCHOOL

Broadway near Teele Square

	Harlan P. Knight, Master, 22 Hamilton Road	.....	1897
3	Eliza H. Lunt, 248 Highland Avenue	\$1600	1889
4	Mrs. Lillian M. Wentworth, 248 Highland Avenue	1500	1911
2	Olevia M. Woods, 28 Ware Street	1500	1908
1	Hortense F. Small, 91 Electric Avenue	1500	1912



TABLE 29—Teachers in Service, January, 1924—Continued

Name and Residence		Salary	Began Service
<b>MARTHA PERRY LOWE SCHOOL</b>			
Morrison Avenue near Grove Street			
Grade.			
	Geo. I. Bowden, Master, 92 Monument St., W. Med. ....		1908
4	May E. Small, 104 Orchard Street	\$1650	1900
4	Stella M. Holland, 34 Francesca Avenue	1500	1903
3	Maude C. Valentine, 1098 Broadway	1500	1901
3	Mrs. Jane M. Taaffe, 159 Morrison Avenue	1500	1888
2	Katherine E. Hourahan, 94 College Avenue	1500	1892
2	Clara G. Hegan, 100 School Street	1500	1897
1	Octavia A. Stewart, 15 Kenwood Street	1500	1917
1	Selena G. Wilson, 11 Irving Street	1300	1922
<b>EVENING SCHOOL PRINCIPALS</b>			
	Everett W. Tuttle, High	\$7.00	
	Francis A. Ryan, Bell and Cliff.	6.00	
<b>CADET TEACHERS</b>			
	Frances E. Biller, 353 Lowell Street	\$600	1923
	Margaret Callahan, 165 Lowell Street	600	1923
	Gertrude T. Donahue, 28 Calvin Street	600	1923
	Mary M. Dorney, 222 Tremont Street	600	1923
	Madeline E. Flynn, 57 Franklin Street	600	1923
	Helen Hession, 184 North Street	600	1923
	Evelyn MacDonald, 50 Bromfield Road	600	1923
	Dorothy Perkins, 34 Tower Street	600	1923
	Valborg Prebensen, 43 Sacramento St., Cambridge	600	1923
	Doris F. Rudd, 46 Franklin Street	600	1923
	Constance Shaw, 21 Walker Street	600	1923
	Gladys Stone, 41 Marshall Street	600	1923
	Hazel C. Wellington, 71 Oxford Street	600	1923
	Lillian G. Wells, 61 Bonair Street	600	1923
<b>SUPERVISORS AND SPECIAL TEACHERS</b>			
Music			
12, 7	James P. McVey, 14 Wendell Street, Cambridge	\$2500	1915
6, 1	Mrs. Charlotte D. Lawton, 121 St. Stephen St., Boston	1900	1898
Drawing			
6, 1	Clara M. Gale, 21 Willoughby Street	1900	1911
Sewing			
	Mary H. Brown, Supervisor, 162 Highland Avenue	*200	1913
6, 5	Mary L. Boyd, 18 Fenwick Street	1500	1888
6, 5	Mrs. Emma J. Ellis, 163 Summer Street	1500	1900
Penmanship			
9, 1	Ruth L. Whitehouse, 21 College Avenue	\$1700	1915
Manual Training			
	Harry L. Jones, Supervisor, 137 Powder Hse. Blvd.	†200	1911

TABLE 29—Teachers in Service, January, 1924—Continued

Physical Instruction			
12, 1	†Ernest Hermann, The Warren, Wash. St., Newton	\$1550	1914
12, 7	Arthur R. Ayer, 25 Main Street	2500	1921
12, 1	Margaret V. Burke, 1 Pearl Street	1100	1923
12, 1	M. Helen Campbell, 22 Barton Street	1100	1923
Atypical			
	Mary A. Holt, 13 Pleasant Avenue	\$1550	1910
	Mrs. Bertha M. Morton, 62 Highland Avenue	1550	1913
	Julia M. Riordan, 165 Albion Street	1550	1914
	Mildred M. Harkins, 22 Traymore St., Cambridge	1100	1923
Sight Saving			
	Mrs. Amy F. Woodbury, 83 Pearson Road	\$1550	1917
* Additional to salary as Director of Household Arts Courses			
† Additional to salary as Principal of Boys' Vocational School			
‡ Part time			

TABLE 30—OFFICERS, ETC., IN SERVICE JANUARY, 1924

Name and Residence		Salary
SUPERINTENDENT AND SECRETARY		
Charles S. Clark, 75 Munroe Street		\$5000
Clerks		
Mary A. Clark, 42 Highland Avenue		1500
Mildred A. Merrill, 26 Cambria Street		1350
H. Madeline Kodad, 104 Sharon Street, W. Medford		1250
Marion E. Marshall, 30 Gilman Street		\$21 per wk
Ruth O. Elliott, 4 Lincoln Place		21 per wk
Beatrice M. Hersom, 62 Highland Avenue		17.50 per wk
Attendance Officer		
Benjamin R. Jones, 25 Loring Street		2000
Bernice F. Parker, Clerk, 11 Dickson Street		\$15 per wk

TABLE 31—SCHOOL JANITORS, JANUARY, 1924

School	Name	Residence	Weekly Salary
High School, assistant	Jeremiah M. Brennan	482 Medford St.	\$28.50
High School, assistant	John N. Quirk	64 Marion St.	27.50
High School, assistant	Joseph McCormack	206 Washington St.	27.50
High School, assistant	Charles Hoyt	60 Vernon St.	32.50
High School, assistant	Thomas G. Pullen	6 Madison St.	27.50
Eastern Junior High	James J. Quirk	216-B Medford St.	30.00
Prescott	Thomas E. Dickinson	5 Berkeley St.	31.00
Hanscom	Frank C. Martis	79 Flint St.	29.00
Boys' Vocational	Charles B. Kelley	25 Clark St.	28.50
Bennett	Michael Mullaney	7 Greene St.	30.50
Baxter	Jeremiah Sullivan	60 Newton St.	26.50
Knapp	Maurice T. Mullins	13 Fremont Ave.	31.00
Perry	Dan'l E. Cunningham	15 Leland St.	26.50
Pope	John J. Kilty	9 Morton St.	30.50
Southern Junior High	William Meskill	19 Aldersey St.	32.50
Southern Junior High	Nicholas J. Lacey	327 Washington St.	32.50
Cummings	Lewis G. Keene	1 Prescott St.	24.50
Edgerly	Charles P. Horton	26 Everett Ave.	30.50
Glines	Roy C. Burckes	20 Jaques St.	30.50
Forster	George W. Coombs	216 Pearl St.	30.00
Northern Junior High	Michael A. Mullin	16 Bowdoin St.	30.00
Bingham	John F. O'Brien	335 Lowell St.	33.50
Carr	John H. Lane	5-A Belmont St.	36.50
Morse	John W. Cremen	69 Oxford St.	31.00
Proctor	James F. Flynn	31 Linden St.	28.00
Durell	Ellsworth C. Lundgren	93 Lowden Ave.	24.50
Burns	Charles J. Elkins	14 Holyoke Road	28.00
Brown	James J. Cooper	105 Willow Ave.	29.00
Highland	Michael J. McKenna	27 Joy St.	28.00
Hodgkins	Patrick A. Delmore	11 Atherton St.	30.00
Western Junior High	James T. Eddy	34 Wallace St.	36.50
Western Junior High	George A. Givan	17 Henry Ave.	32.50
Cutler	Daniel Campbell	22 Barton St.	30.50
Cutler	Walter F. Burns	23 Avon St.	27.50
Lincoln	John T. Morey	1 Weston Ave.	24.50
Low	Frank H. Flagg	22 Clyde St.	28.00

## REPORT OF THE LAW DEPARTMENT

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

The annual report of the law department for the year ending December 31, 1923, is as follows:

In accordance with an order passed by the board of aldermen and approved by the mayor a petition was filed with the legislature for authority to establish a licensing commission in the city of Somerville and an act was secured, being chapter 191 of the acts of the year 1923. In order to clear the title of a tract of land taken for public way purposes in connection with the abolition of the grade crossings at Somerville avenue without losing the right to maintain a slope thereon to support the street a general act, chapter 266 of the acts of the year 1923 was secured, authorizing the taking of such a right by eminent domain.

The commissioners for the county of Middlesex after a hearing at which the city was represented made and recorded a decree for widening Bridge street in Cambridge under the provisions of chapter 504 of the acts of the legislature for the year 1922 and it is expected that the work of construction will soon begin. There is to be no special assessment on Somerville for this improvement.

The contractor having charge of the erection of a school building for a junior high school on Marshall street failed to make payment promptly to various persons and corporations for labor and materials furnished and used on the building and about twenty claims have been filed with the city clerk under the provisions of section 29 of chapter 149 of the General Laws. Several actions have been brought by creditors of the contractor in which the city has been



summoned as trustee and other actions have been brought for the enforcement of the claims above mentioned.

With the approval of the mayor, Ralph M. Smith was appointed assistant in the law department in April 1923 and has taken charge of the examination of titles of real estate and of proceedings before the Land Court and the collection of accounts due the city sent to the city treasurer by various departments and the settlement or trial of claims arising out of defects in public ways. Mr. Smith was formerly president of the board of aldermen and a member of the Massachusetts legislature.

*Yours very respectfully,*

FRANK W. KAAN,

*City Solicitor.*

## REPORT OF THE SEALER OF WEIGHTS AND MEASURES

OFFICE OF SEALER OF WEIGHTS AND MEASURES,  
City Hall Annex, Somerville, January 1, 1924.

To His Honor, the Mayor, and the Board of Aldermen:—

The following report of the sealer of weights and measures for the year 1923 is respectfully submitted:—

### Work of Weights and Measures Department for 1923

Scales	Adjusted	Sealed	Non-sealed	Con-demned
Platform over 5000 capacity . . . . .	—	55	—	—
Platform under 5000 capacity . . . . .	5	351	13	—
Counter . . . . .	11	539	16	2
Spring . . . . .	18	497	14	4
Computing . . . . .	4	329	11	—
Slot personal . . . . .	—	54	—	—
Prescription . . . . .	—	42	1	—
Beam . . . . .	—	22	1	—
Weights,—				
Avoirdupois . . . . .	40	3302	—	—
Apothecary . . . . .	—	163	—	4
Metric . . . . .	—	—	—	—
Capacity Measures,—				
Dry . . . . .	—	36	—	5
Liquid . . . . .	—	659	—	22
Gasolene pumps . . . . .	10	107	1	386
Oil pumps . . . . .	—	44	—	34
Molasses pumps . . . . .	—	28	—	—
				420
				Con-demned
Yard sticks . . . . .	—	162	—	2
Baskets . . . . .	—	6	—	—
Leather measuring machine . . . . .	—	1	—	—
Totals . . . . .	88	6097	57	39

Fees collected and paid to City Treasurer, \$619.25.

Amount paid City Treasurer for Pedlers' Licenses, \$758.00.

## Trial Weighing in Stores

Commodity	Number Tested	Correct	Incorrect	
			Under	Over
Coal in paper bags . . . . .	114	71	33	10
Coal in wagons . . . . .	—	—	—	—
Flour in paper bags . . . . .	22	17	2	3
Butter . . . . .	23	18	—	5
Dry commodities . . . . .	226	176	25	25
Bread . . . . .	108	98	1	9
Fruits and vegetables . . . . .	89	37	42	10
Meats and provisions . . . . .	8	7	—	1
<b>Totals . . . . .</b>	<b>590</b>	<b>424</b>	<b>103</b>	<b>63</b>

## Inspections:—

Hawkers and Pedlers Licenses . . . . .	221
Ice dealers scales . . . . .	51
Junk scales . . . . .	25

Much time is required in testing scales weights and measurers in determining the accuracy of such scales, weights and measures. In testing gasoline devices, the time required to test a single device, is anywhere from forty-five minutes to one and one half hours, and the fee charge (which is regulated by statute law) is altogether out of proportion for the amount of labor required in testing such device.

In testing railway track scales, it is necessary to use the company's track scale test car, and the spirit of cooperation and desire to maintain correct apparatus on the part of the railways is commendable.

Checks of commodities have been made to determine the actual weights and whether they were marked in accordance with the law. Where commodities are not properly marked, or the containers are short of the net weight marked thereon, it is the policy of this department to notify the manufacturers of the violations also to warn the dealers against the handling of articles not properly marked or short of the marked weight, thereby securing a compliance with the law, without the necessity of making prosecutions.

After scales, weights and measuring devices have been sealed in any one year, any further tests made in that year of such devices, shall be free of charge except there can be a nominal charge for any adjustment. But in all cases the charge is entirely inadequate for the time and labor required in making such tests.

B. S. ABBOTT,

*Sealer of Weights and Measures.*

**REPORT OF CHIEF ENGINEER OF FIRE DEPARTMENT**

Somerville, Mass., January 10, 1924.

To the Honorable, the Mayor and the Board of Aldermen,  
 Gentlemen:—In compliance with the City Ordinance, I have the honor of submitting, for your information, the annual report of the fire department for the year ending December 31, 1923.

**Alarms of Fire**

Number of bell alarms .. . . .	308
Number of still alarms . . . . .	759
Total alarms . . . . .	1,067
Number in excess of 1922 . . . . .	136
Value of buildings at risk . . . . .	\$871,525 00
Insurance on buildings . . . . .	1,159,532 50
Damage to buildings . . . . .	95,659 10
Value of contents . . . . .	526,733 60
Insurance on contents . . . . .	435,470 00
Damage to contents . . . . .	135,300 00
Total value at risk . . . . .	1,398,258 60
Total insurance . . . . .	1,595,002 50
Total damage . . . . .	230,959 10
Approximate per capita loss . . . . .	2 35

**List of Probable Causes**

Ammonia leak . . . . .	1
Ashes against building . . . . .	1
Automatic . . . . .	5
Automobile . . . . .	44
Awning . . . . .	4
Back draught . . . . .	1
Bill boards . . . . .	3
Bonfires . . . . .	113
Broken gaspipe . . . . .	1
Brush and leaves . . . . .	5
Careless smoker . . . . .	31
Carelessness with gas . . . . .	1
Carelessness with kerosene . . . . .	1
Carelessness with matches . . . . .	18
Cartons near heater . . . . .	2
Catch basin . . . . .	1
Children playing with matches . . . . .	38
Cigars, cigarettes and pipes . . . . .	4
Clothing over stove . . . . .	6
Collision . . . . .	1
Covering on tank . . . . .	1
Decorations . . . . .	6



Defective heaters and chimneys . . . . .	47
Defective stovepipes . . . . .	3
Drying macaroons . . . . .	1
Dump . . . . .	129
Electric cars . . . . .	16
Electric wires & appliances . . . . .	10
Falling hot water tank . . . . .	1
False alarms . . . . .	37
Filling gasoline tanks . . . . .	2
Fireworks . . . . .	10
Friction . . . . .	1
Fumigating . . . . .	3
Garages . . . . .	6
Gas explosion . . . . .	1
Gasoline leaking . . . . .	3
Gas stoves and ranges . . . . .	7
Grass fires . . . . .	72
Grease on stove . . . . .	7
Heating oil on stove . . . . .	1
Hen house . . . . .	1
Horse caught in rail . . . . .	1
Hot ashes in wooden receptacles . . . . .	6
Incendiary . . . . .	9
Kettle of fat . . . . .	1
Kettle of syrup . . . . .	1
Lace in contact with gas . . . . .	4
Leaking illuminating gas . . . . .	6
Lightning (wireless) . . . . .	3
Liquor stills . . . . .	3
Molten glass . . . . .	1
Motorcycles . . . . .	2
Oil heaters, lamps and stoves . . . . .	9
Oil burner (fuel) . . . . .	1
Out of town . . . . .	114
Overheated furnaces and stoves . . . . .	13
Overtured stove . . . . .	1
Persons locked out . . . . .	5
Rags on stove . . . . .	2
Railroad ties . . . . .	2
Railroad torpedo . . . . .	1
Reflection from locomotive . . . . .	1
Rekindle . . . . .	6
Removing paint . . . . .	1
Rubbish in cellar and barrels . . . . .	23
Rubbish in yard . . . . .	3
Salamander . . . . .	1
Sawdust box . . . . .	1
Second alarm . . . . .	6
Smoking in bed . . . . .	1
Smoke or steam mistaken for fire . . . . .	17
Smoky stove and heater . . . . .	2
Soldering can . . . . .	1
Spark from chimney . . . . .	6
Spark from boiler . . . . .	2
Spark from forge . . . . .	1
Spark from laundry machine . . . . .	1

FIRE DEPARTMENT.

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Spark from locomotive . . . . .	9
Spark from range . . . . .	4
Spark on roof . . . . .	28
Spark from file . . . . .	1
Spark from fireplace . . . . .	1
Spontaneous combustion . . . . .	9
Sprinkler alarms . . . . .	4
Sweepings in register . . . . .	1
Tar kettle . . . . .	1
Test . . . . .	1
Thawing ice . . . . .	1
Thawing water pipe . . . . .	4
Tool house . . . . .	1
Tree . . . . .	1
Wood and paper near stove . . . . .	3
Unknown . . . . .	25
Unnecessary . . . . .	69

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1,067

	Engine 1.	Engine 2.	Engine 3.	Engine 4.	Engine 6.	Hose 5.	Hose 7.	Hose 8.	Ladder 1.	Ladder 2.	Ladder 3.	Total
Bell alarms . . . . .	227	216	178	83	58	70	121	72	131	84	112	308
Still alarms . . . . .	88	33	96	28	191	58	71	133	29	13	19	759
Miles traveled . . . . .	315	434	281	134	342	168	316	291½	142	132½	213.8	2,769.8
Feet 2½ in. hose . . . . .	19,450	14,600	22,550	7,950	50,100	11,500	8,550	14,100	—	—	—	148,800
Feet chemical hose . . . . .	12,550	—	16,500	6,000	10,150	5,250	8,600	7,950	—	—	3,000	70,100
Feet of ladders . . . . .	64	—	100	—	80	220	12	160	2,900	1,865	2,024	7,425
Extinguishers . . . . .	36	2	—	—	—	4	23	20	14	2	10	111
Gals chemical . . . . .	1,715	—	2,612	665	1,840	630	1,290	1,175	—	—	510	10,437
Times at other sta. . . . .	—	—	—	—	4	—	—	—	—	—	2	6
Out of town . . . . .	13	26	10	—	25	2	—	27	2	—	—	105
Covers used . . . . .	6	—	—	—	—	—	1	—	6	4	4	21

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*In Memoriam*

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**CHARLES E. McKENNA**

**Permanent**

**Appointed February 16, 1920**

**Died February 24, 1923**

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**JOSEPH A. SANDER**

**Retired**

**Appointed April 1, 1892**

**Died August 26, 1923**

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### Manual Force

The manual force consists of one hundred and eighteen (118) permanent men, during the year one has been retired and placed on the pension list, one has resigned and one has died; nine men have been added from eligible list of the Civil Service. The roster of the department is as follows:

- 1 Chief Engineer,
- 1 Deputy Chief,
- 2 District Chiefs,
- 7 Captains,
- 1 Master Mechanic,
- 11 Lieutenants,
- 2 Enginemen,
- 93 Permanent men.

### Apparatus

- 1 Motor driven, 1,300 gallon "Metropolitite" Pumper and hose wagon,
- 1 Motor driven, 900 gallon pumper and hose wagon,
- 2 Motor driven, 750 gallon pumper, hose wagon and chemical,
- 1 Tractor drawn, 800 gallon 2nd. size Steam fire engine,
- 5 Motor driven, Combination hose and chemical wagons,
- 1 Motor driven, Combination Ladder truck and chemical,
- 2 Motor driven, Ladder Trucks,
- 1 Motor driven, Supply and wrecking car,
- 1 Automobile, Chief's car,
- 1 Automobile, Deputy Chief's car,
- 1 Automobile, District Chief's car,
- 1 Automobile, Master Mechanic's car,
- 1 Motor driven, Hose and chemical wagon, in reserve,
- 1 Horse drawn, ladder truck, in reserve.

### Hose

The amount of servicables hose is 9,550 feet of two and one-half (2½) inch double jacket, rubber lined, water hose and 1,800 feet of three quarter inch chemical hose. There has been 2,500 feet of new two and one-half inch purchased and 1,450 feet of old condemned.

There must be at least 2,000 feet of new hose purchased each year to keep up to the efficiency mark.

### Brief Resume

Two fires, one on June 8th. at the Fresh Pond Ice Co. with a loss amounting to \$46,784. and on July 2nd. in the plant of the Sherwood Paper Co. at 22 Kent Street, with a loss of \$43,500 practically the total of which was due to the damage by water from the sprinkler letting go throughout the building, these two fires totalled nearly one half of the fire loss for the year. The losses, by months, were as follows:

## Brief Resume, continued

January	.	.	.	.	.	.	.	\$25,055	37	
February	.	.	.	.	.	.	.	38,568	56	
March	.	.	.	.	.	.	.	26,500	61	
April	.	.	.	.	.	.	.	1,575	00	
May	.	.	.	.	.	.	.	12,634	00	
June	.	.	.	.	.	.	.	19,597	65	
July	.	.	.	.	.	.	.	52,702	12	
August	.	.	.	.	.	.	.	10,036	96	
September	.	.	.	.	.	.	.	5,663	39	
October	.	.	.	.	.	.	.	10,579	10	
November	.	.	.	.	.	.	.	13,710	47	
December	.	.	.	.	.	.	.	14,335	87	
									\$230,959	10

There have been forty-one fires with an insurance loss in excess of \$1,000 as follows,—

January 7, 4:24 P. M. Box 425, 42 Banks Street, dwelling owned by the Berry Estate, occupied by Miss Annie Berry and Richard Cosby, damage to the building \$1,223, to contents \$450. Cause, overheated furnace.

January 11, 10:06 A. M. Box 37, 504-504a Medford St. stores owned by Georgiana T. Lears, occupied by J. S. Miller and B. F. Stone, damage to building \$255, to contents \$858.37. Cause, hot ashes on floor.

January 15, 5:10 P. M. Box 335, 640 Mystic Ave. dwelling owned and occupied by Patrick McLaughlin, damage to building \$1,200, to contents \$700. Cause, going to closet with lighted match.

January 25, 2:20 P. M. Box 117, 3 Cutter St., automobile repair shop, owned by Wm. Goldstein, occupied by Fred E. Hersom, Jr., damage to building \$187, to contents \$2,250. Cause, short circuit of wires in auto.

January 26, 8:30 P. M. Box 39, 353 Lowell St., store and apartments owned and occupied by Abram Biller, damage to building \$600, to contents \$875. Cause, careless smoker.

January 28, 2:24 A. M. Box 443, 1 Clarendon Block, Davis Sq., store owned by Parke Snow Inc., occupied by Chas. Rosenthal as shoe store, damage to building \$556, to contents \$7,300. Cause, undetermined.

February 12, 4:18 P. M. Box 435, 96 Pearson Ave., dwelling owned by Mrs. Catherine Drew, occupied by owner and T. E. Crowley, damage to building \$1,127, to contents \$968.96. Cause, children and matches.

February 19, 10:12 P. M. Box 435, 145-147 Boston Ave. Stores owned by Rice Estate, occupied by Tony Ciccolo and R. H. Syda, damage to building \$2,151, to contents \$556. Cause, undetermined.

February 19, 11:37 P. M. Boxes 233-234, a second alarm was sounded for this fire, 29-33 Allen St. Barrel sheds owned and occupied by M. Devine and A. Rauffa, damage to buildings \$2,430, to contents \$852. Cause, undetermined.

February 22, 6:19 A. M. Box 25, 9 Stone Place, cocoanut factory, owned and occupied by A. Martin & Co., damage to building \$4,000 to contents \$4,500. Cause, drying macarons over boiler.

February 25, 12:02 A. M. Box 443, 21-27 Holland St., stores owned by M. J. Barron, occupied by Sam Blanch, damage to building \$5,580, to contents \$9,732. Cause, undetermined.

February 28, 3:55 A. M. Box 113, B. & M. R. R. yard, blacksmith shop, damage to building and contents \$1,500. Cause, spark from forge.

March 1, 3:26 A. M. Box 25, 234 Washington St., shop owned by Wm. F. Bennett, occupied by Cambridge Tool and Machine Co. and Healey Furniture Company, damage to building \$1,000, to contents \$1,000. Cause, flaming kerosene setting fire to electric cord.

March 6, 1:50 A. M. Box 225, 14-15 Union Square, stores owned by the Vinal Estate, occupied by B. Kratman and G. DaPrato, damage to building \$1,030, to contents \$7,933.11. Cause, undetermined.

March 8, 12:34 A. M. Box 443, 418 Highland Ave., stores owned by Hyman Brothers and occupied by Chain Department Stores, damage to building \$1,800, to contents \$7,375. Cause, undetermined.

March 28, 12:34 A. M. Box 225, 273 Washington Street, dwelling owned by Catherine Looney, occupied by E. J. Kelley and Charles Essex, damage to building \$1,115, to contents \$383. Cause, hot ashes in wooden barrel.

May 2, 8:35 P. M. Box 441, 61 Gorham St., store owned by M. W. Carr Co., occupied by A. Valinis, damage to building \$235, to contents \$800. Cause, incendiary, the party setting this fire was convicted.

May 12, 5:57 P. M. Box 213, 82-84 Boston St., dwelling



owned by Peter E. Rose, occupied by owner and F. L. Kahameyer, damage to building \$4,465, to contents \$2,400. Cause, explosion of oil heater.

May 31, 6:14 P. M. Box 37, 506-510 Medford St., stores owned by Shapiro and Diamond, occupied by Goodman, Sternberg and Safarian, damage to building \$1,980, to contents \$2,149. Cause, cigarette or match thrown into waste barrel.

June 1, 11:10 P. M. Boxes 234-233, a second alarm was sounded for this fire, 45-57 Allen St., sawdust plant owned and occupied by White & Leahy, damage to building \$3,900, to contents \$3,000. Cause, hot shafting.

June 8, 2:37 P. M. Box 29, a second alarm was sounded for this fire, 335 Washington St., stables of the Fresh Pond Ice Co. Total damage \$46,784. Probable cause, careless smoker.

June 15, 11:26 A. M. Box 341, 11 Bradley St., dwelling owned and occupied by Joseph Cunningham, damage to building \$2874, to contents \$398.25. Cause, ignition of paint remover.

June 20, 6:42 P. M. Box 412, 21-21a Linden Ave., dwelling owned by Joseph J. Scully, occupied by L. F. Bailey and F. S. Libby, damage to building \$1,700 to contents \$1,154. Cause, carelessness with matches.

July 2, 6:20 A. M. Box 46, 22 Kent St., factory building owned by J. & L. Promboin, occupied by Sherwood Paper Co., damage to building \$3,500, to contents \$40,000. Cause backdraught from boiler.

July 5, 6:51 P. M. Box 435, 652-654 Broadway, stores owned by the Rice Estate, occupied by Samuel J. Alpert, damage to building \$747, to contents \$2,062.82. Cause, overheated gas plate.

July 17, 9:14 A. M. Box 236, 23 Quincy St., dwelling owned by James Martin, occupied by Giovanni, Grady and Lamb, damage to building \$3,000, to contents \$1,059. Cause, children playing with matches.

August 14, 1:10 P. M. Box 436, Highland Road, store owned by James Silverman, occupied by K. Berberian, damage to building \$1,148, to contents \$744.48. Cause, careless smoker

August 21, 9:44 P. M. Box 28, 10 Tyler St., stable and unoccupied dwelling owned by the B. & M. R. R., occupied



by Suburban Coal Co., damage to building \$1,500, to contents \$275. Cause, trespassers smoking.

August 28, 1:31 A. M. Box 37, 501-503 Medford Street, stores owned by Samuel Weiner, occupied by Harry Plotkin and H. W. Andrews, damage to building \$3,500, to contents \$1,050. Cause, undetermined.

September 18, 10:59 A. M. Box 324, 74 Jaques St., dwelling owned and occupied by Ambrose Griffith, damage to building \$950, to contents \$327. Cause, defecting gas tube connection.

September 30, 1:40 A. M. Box 431, 304 Highland Ave. store owned by Goodman Sisters, occupied by Thomas Dente & Son, damage to building \$1,479, to contents \$833.39. Cause undetermined.

October 8, 6:55 P. M. Box 412, a second alarm was sounded for this fire, Dante Terrace, woodworking plant and Dante Club, owned by J. E. Locatelli, damage to buildings \$2,500, to contents \$5,014.66. Cause, undetermined.

October 28, 11:39 P. M. Box 234, 52 Webster Ave., glass works owned and occupied by the Union Glass Works, damage \$2,800. Cause, bottom of glass furnace dropped molten glass.

November 2, 4:30 A. M. Box 225, Somerville Ave., St. Thomas Episcopal Church, damage \$1,175. Cause, careless smoker.

November 13, 3:38 A. M. Box 442, 77-87 Holland St., stores owned by Hillson Associates, occupied by Pearlson, Lovell & Isgro and Simpson, damage to building \$3,070, to contents \$1,763. Cause, undetermined.

November 26, 10:42 P. M. Box 229, 427 Washington St., stores owned by Isadore Zieman, occupied by Rossati and Di-Lucca, damage to building \$600, to contents \$4,307.47. Cause, probably incendiary.

December 11, 6:51 A. M. Box 225, 17 Union Square, store owned by M. G. Levin, occupied by Pascal and Parro, damage to building \$502, to contents \$1,925. Cause, undetermined.

December 19, 2:20 P. M. Box 18, 18-20 Benedict St., dwelling owned and occupied by John W. Harding, damage to building \$936, to contents \$700. Cause, undetermined.

December 20, 1:49 A. M. Box 225, 346 Somerville Ave. Store owned and occupied by J. A. Bremner & Co., Inc.,

damage to building \$3,600, to contents \$2,650. Cause, defective fuel oil burner.

December 29, 12:03 A. M. Box 225, 332 Somerville Ave., store and dwelling owned by Benj. Bloomberg, occupied by M. E. Jones, damage to building \$379, to contents \$700. Cause, overheated stove.

December 29, 3:55 P. M. Box 443, 10-12 College Ave., stores and apartments owned by M. J. Barron, occupied by Morrlia, Stockwell, Marrill et als., damage to building \$870, to contents \$280.64. Cause, careless smoker.

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*Bonfires and grass fires.* The lighting of bonfires and setting fire to dry grass called the department 185 times the past year. Every fire of this character is an incendiary fire done with malicious intent, not only to break the law, but to call the fire department to perform work for which it was not intended. Calling the apparatus to extinguish these fires, not only endangers the lives of the public, but adds to the wear and tear of the equipment, thereby reducing its length of service and efficiency. An effort should be made to arrest and prosecute this class of offenders for the safety of the community.

*Defective Chimneys, heaters and smoke pipes.* These causes of fires have been due to the negligence of the property owners not giving proper attention to the heating apparatus, the time is rapidly approaching, with the introduction of oil burning equipments, when careful inspections and replacements must be made to insure your property and your homes from disastrous fires and even total destruction.

*Dump fires.* The Clarendon Hill ledge property, owned in part by the city of Cambridge and used by that city for dumping purposes, has called the department no less than one hundred and fifteen times the past year to extinguish, not infrequently, menacing fires, hundreds of hours, a company of men and thousands of feet of hose have been used and abused in endeavoring to keep under control this nuisance; there should be some immediate remedy of this condition in order that the men and apparatus, employed in dump service, can be available for legitimate and urgent fire extinguishment.

#### Recommendations

On December 12th, the full motorization of the department was completed; in 1913 Ladder No. 2 was purchased and

has done continuous and active service up to the present, its condition warrants its replacement with a new and up-to-date truck, I advise an early consideration of same.

As in previous reports, I recommend the erection of a new station for the housing of the equipment of Engine No. 4 and for the purpose of placing the recommended ladder truck nearer the community which it serves.

#### In Conclusion

In concluding my report I wish to extend my thanks to His Honor the Mayor and the members of the City Government for their cooperation and interest in the welfare of the department.

The officers and members of the department have my commendation and sincere appreciation and thanks for the efficient and faithful manner in which they have performed their duties.

Respectfully submitted,

SEWALL M. RICH,

*Chief Engineer.*

## REPORT OF SOMERVILLE PLANNING BOARD

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December 31, 1923

To His Honor, the Mayor, and Board of Aldermen.

Gentlemen :

As required by the provision of Chapter 494 of the Acts of 1913 the Planning Board herewith submits its annual report, together with recommendations for the year 1924 as herein contained.

The first meeting of the first Planning Board of the City of Somerville was held in City Hall Friday evening, January 9, 1914, and consisted of the following members appointed by Mayor Burns: Malcolm E. Sturtevant, Dr. Charles F. Maguire, William H. Smith, Mrs. Barbara Galpin, Charles J. Corwin, Warren C. Blair, and Charles W. Godfrey. The Board was created under the provisions of Chapter 494 of the Acts of 1913 above mentioned. The Planning Board was organized by the election of Malcolm E. Sturtevant as Chairman, and Theda E. Fleming as Secretary. Later on the Board of Aldermen abolished the Board as so organized, and created a new Board of five members.

### Organization

The Planning Board met and organized for the year 1923 with the following members present: John Williamson, George J. Rauh, Benjamin J. Surrent and David J. Kelley. The Board elected John Williamson Chairman and David J. Kelley Secretary for the ensuing year.

Ever since its organization the new Planning Board has attempted to function for the benefit of the citizens of the City in accordance with the Legislative Act which created it, but has been handicapped by lack of sufficient funds to enable it to secure expert assistance until 1923. However, the Planning Board has from year to year made studies and reported recommendations to the Mayor and Board of Aldermen, some of which have been accepted by the Board of Aldermen, but in many instances the recommendations have not been acted upon.



In consideration of the small appropriation made to the Planning Board from year to year during the past years of its existence, and the lack of encouragement given to it by previous administrations of the city government, it is a wonder that the Planning Board continued to exist up to the present time.

#### Previous Recommendations

The report of the Planning Board for the year 1922 contained the following recommendations:

1. Establishment of Fire Districts.
2. Establishment of play grounds in different sections of the City.
3. Mystic River Development.
4. Survey of the City.
5. Enactment of a Zoning ordinance.
6. Revision of the Building laws.

The Board also recommended an appropriation of \$5000. for the purpose of employing expert assistance to make a preliminary survey of the City, in order to get sufficient data to determine the course of procedure necessary to carry out its recommendations. Mayor John M. Webster recommended an appropriation for the use of the Planning Board in the sum of \$4500., which sum was granted by the Board of Aldermen.

#### Preliminary Survey of the City

The Planning Board, after due consideration, decided that it would be advisable to employ expert advisers to assist them in creating a broad, scientific city plan for the future guidance of the city, with the ultimate object of enacting a zoning ordinance. The Technical Advisory Corporation of New York was requested to submit estimates of the cost of a preliminary survey of the city, and a temporary zoning ordinance. The Technical Advisory Corporation was highly recommended to the Board by several Massachusetts cities, as well as cities outside of the State, and was selected to do the work after consideration of a contract setting forth just what it would do, and after several conferences with its President, Campbell Scott.

According to the contract \$3500. of the sum appropriated by the Board of Aldermen was made available for the work of the Technical Advisory Corporation, with the understand-

ing that they should submit a preliminary survey and program for a city plan, and also a temporary zoning ordinance. This report was to contain a survey of the general conditions, railroads and water ways, streets, transportation facilities, public services, parks and playgrounds, schools, study of zoning, study of building laws, and other studies of a like character, which would be of value to the city government in making future plans.

The Technical Advisory Corporation was retained by the Planning Board on April 28, 1923, began its work sometime in June, 1923, and submitted a report to the Planning Board in November, 1923. The report submitted by this Corporation is very comprehensive and covers a variety of subjects, which are of great importance, and furnish valuable information to the city government. The character of the information which was gathered, and progress of the work to date is described in detail in the body of its report. The report also contains maps and charts illustrating the various problems studied, and facts determined by the experts employed by the Technical Advisory Corporation.

#### Revision of Building Laws

The Planning Board also has the matter of revision of the building laws under consideration, and expects to submit at a later date a proposed building ordinance for enactment by the Board of Aldermen. This work was undertaken by the Planning Board at the suggestion of the Legislative Committee of the Board of Aldermen for 1923, and the Planning Board expects to have this report ready for submission to the Board of Aldermen in May, 1924. The revision of the building laws has also been undertaken by the same Corporation under a special contract with the Planning Board. So that for the year 1923 the Planning Board is pleased to submit to the Mayor and Board of Aldermen the Preliminary Survey of the Technical Advisory Corporation, together with a preliminary Zoning ordinance. The Planning Board is certain its report will upon consideration be accepted by the Mayor and Board of Aldermen, and many of its recommendations enacted into the City ordinances of Somerville.

#### Recommendations

While the Planning Board does not subscribe to all of the conclusions and recommendations contained in the report of the Technical Advisory Corporation, it herewith sub-

mits the report as part of its annual report for the purpose of furnishing the city government of Somerville with the valuable data therein contained, so that after public hearings and debate thereon the Board of Aldermen may take such action as the welfare of the citizens and public good require.

The Planning Board especially recommends and urges immediate action by the Board of Aldermen in order that the temporary zoning ordinance submitted herewith may be immediately enacted into law, pending the drafting of a permanent zoning ordinance.

The Planning Board also recommends as the next matter of importance to be considered by the City government the establishment of Fire Districts as recommended and outlined in the report herewith submitted.

The Planning Board is of the opinion, and also recommends that studies be undertaken to establish a permanent zoning ordinance, and at the same time, and in connection therewith a study of real estate values be made, in order to devise a new system of assessing real estate.

#### Appropriations

The Planning Board is anxious to complete the work and secure the establishment of a permanent zoning ordinance, but in order to do so must continue to have the cooperation of the city government, and therefore recommends that the city government appropriate the sum of \$10,000. in order that it may during the coming year submit a permanent zoning ordinance and new code of building laws for the City of Somerville, together with a plan for a new system of assessing real estate.

JOHN WILLIAMSON, *Chairman.*

## REPORT OF THE POLICE DEPARTMENT

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

Gentlemen:—I respectfully submit the annual report of the Somerville police department for the year ending December 31, 1923.

### Arrests

Whole number of arrests made . . . . .	2,889
With and without warrants . . . . .	2,493
On summons and notification . . . . .	396
	<hr style="width: 10%; margin-left: auto; margin-right: 0;"/>
	2,889
Males . . . . .	2,791
Females . . . . .	98
	<hr style="width: 10%; margin-left: auto; margin-right: 0;"/>
	2,889
Americans . . . . .	1,932
Foreign Born . . . . .	957
	<hr style="width: 10%; margin-left: auto; margin-right: 0;"/>
	2,889
Residents . . . . .	1,816
Non-residents . . . . .	1,073
	<hr style="width: 10%; margin-left: auto; margin-right: 0;"/>
	2,889

### 1, — Crimes and Offenses Against the Person

Assaults . . . . .	6
Assault on officer . . . . .	1
Assault and battery . . . . .	134
Assault and battery on officers . . . . .	4
Assault with dangerous weapon . . . . .	5
Assault with intent to murder . . . . .	3
Carnal abuse . . . . .	1
Kidnapping . . . . .	2
Kidnapping, attempt . . . . .	1
Manslaughter . . . . .	1
Murder . . . . .	3
Murder, accessory to . . . . .	2
Murder, suspicion of . . . . .	1
Rape . . . . .	5
Rape, attempt . . . . .	1
Robbery . . . . .	16
Threats . . . . .	7
Throwing missiles . . . . .	4
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## 2, — Crimes and Offenses Against Property

Breaking and entering . . . . .	12
Breaking and entering, attempt . . . . .	5
Breaking and entering and larceny . . . . .	55
Breaking glass . . . . .	2
Destroying electric lamps . . . . .	7
Destroying electric lamps, attempt . . . . .	7
Evading fare . . . . .	1
Fraudulently selling coal . . . . .	3
Injury to personal property . . . . .	1
Injury to real estate . . . . .	1
Larceny . . . . .	107
Larceny from person . . . . .	8
Larceny in building . . . . .	5
Larceny, attempt . . . . .	3
Leased property, concealment of . . . . .	1
Receiving stolen goods . . . . .	15
Trespass . . . . .	52
Trespass, wilful . . . . .	2
Unlawful appropriation of horse . . . . .	2
Unlawfully using unmetered gas . . . . .	1

290

## 3, — Crimes and Offenses Against Public Order, etc.

Adultery . . . . .	3
Bribery, attempt . . . . .	1
Capias . . . . .	21
Conspiracy . . . . .	2
Contempt of Court . . . . .	2
Cruelty to animals . . . . .	2
Default . . . . .	20
Deserter, United States Navy . . . . .	2
Desertion of wife . . . . .	1
Disorderly house, keeping . . . . .	1
Disturbance on public conveyance . . . . .	1
Disturbing the peace . . . . .	5
Disturbing a public assembly . . . . .	8
Dog keeping, unlicensed . . . . .	7
Drunkenness . . . . .	1,498
Drunkenness, common . . . . .	8
Enticing to unlawful sexual intercourse . . . . .	2
Escape from Industrial School for Boys . . . . .	1
Escape from Training School . . . . .	1
Firearms, Aliens in possession of . . . . .	2
Firearms, carrying without permit . . . . .	5
Fireworks, sale of without permit . . . . .	1
Fornication . . . . .	9
Fugitive from justice . . . . .	3
Gaming implements, present when found . . . . .	4
Gaming machine, unlawfully keeping . . . . .	1
Giving false alarm of fire . . . . .	4
Indecent exposure of person . . . . .	3
Lewd cohabitation . . . . .	5
Lottery, promoting and setting up . . . . .	7

Neglected children . . . . .	3
Neglect to support . . . . .	111
Obstructing railway car . . . . .	1
Peddling, unlicensed . . . . .	2
Perjury . . . . .	1
Polygamy . . . . .	1
Rescue of prisoners . . . . .	2
Rescue of prisoner, attempt . . . . .	1
Runaway children . . . . .	2
Safe keeping, alcoholism . . . . .	2
Safe keeping, default . . . . .	1
Safe Keeping, demented . . . . .	36
Safe keeping, escape from Maternity Hospital . . . . .	1
Safe keeping, fugitive from justice . . . . .	1
Safe keeping, inebriate . . . . .	1
Safe keeping, infirm . . . . .	2
Safe keeping, insane . . . . .	6
Safe keeping, released . . . . .	1
Safe keeping, runaway children . . . . .	13
Safe keeping, runaway from Lyman School . . . . .	3
Safe keeping, runaway from Training School . . . . .	2
Safe keeping, revoke and violation of parole . . . . .	13
Safe keeping, witness . . . . .	1
Stubbornness . . . . .	11
Suspicious persons . . . . .	3
Vagrancy . . . . .	4
Violation of cigarette law . . . . .	1
Violation of city ordinances . . . . .	55
Violation of game laws . . . . .	2
Violation of health regulation . . . . .	1
Violation of illegitimate child act . . . . .	12
Violation of labor laws . . . . .	12
Violation of money law . . . . .	1
Violation of laws on standards . . . . .	3
Violation of liquor laws . . . . .	99
Violation of Lord's Day . . . . .	36
Violation of medical laws . . . . .	3
Violation of motor vehicle laws . . . . .	258
Violation of narcotic drug law . . . . .	1
Violation and revokes of parole . . . . .	6
Violation of terms of probation . . . . .	42
Violation of school laws . . . . .	15

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 2,402

#### Recapitulation

(1) Crimes and Offenses Against the Person . . . . .	197
(2) Crimes and Offenses Against Property . . . . .	290
(3) Crimes and Offenses Against Public Order, etc. . . . .	2,402
Total number of arrests made . . . . .	2,889

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 2,889

Bailed to appear elsewhere . . . . .	11
Cases in which nolle prosequi was entered and dismissed . . . . .	41
Released by probation officer, drunkenness . . . . .	11
Released from custody . . . . .	3
Surrendered to court, other officers, institutions etc. . . . .	245

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 311

Number of cases held for trial . . . . . 2,578

NOTE.—Two hundred and eighty-seven of the above number of cases were juveniles and delinquents.

#### Miscellaneous Reports

Abandoned automobiles . . . . .	83
Accidents reported . . . . .	993
Accosting a female . . . . .	2
Amount of property stolen . . . . .	\$120,704.09
Amount of stolen property recovered . . . . .	147,612.96
Amount of property damaged . . . . .	18.70
Amount of property lost . . . . .	1,637.15
Amount of property found . . . . .	434.50
Animals rescued . . . . .	2
Assaults . . . . .	10
Assaults with dangerous weapon . . . . .	3
Assault and battery . . . . .	24
Attempts to break and enter . . . . .	52
Attempts to commit larceny . . . . .	6
Attempts to commit suicide . . . . .	8
Breaking and entering, false alarms of . . . . .	2
Buildings broken and entered, nothing stolen . . . . .	78
Buildings found open . . . . .	432
Burglary, false alarm of . . . . .	1
Cellar flooded . . . . .	1
Cruelty to animals . . . . .	3
Dead animals found . . . . .	11
Dead body found . . . . .	1
Defective bridges . . . . .	15
Defective catch basins . . . . .	23
Defective catch basin lighted . . . . .	1
Defective curb stones . . . . .	4
Defective driveway . . . . .	1
Defective electric lamps . . . . .	18
Defective fences . . . . .	3
Defective fire alarm boxes . . . . .	3
Defective gas gate boxes . . . . .	4
Defective hydrants . . . . .	4
Defective man-holes and covers . . . . .	12
Defective park . . . . .	1
Defective poles . . . . .	6
Defective police signal service . . . . .	10
Defective school yards . . . . .	4
Defective sidewalks . . . . .	575

Defective sidewalks, lighted . . . . .	3
Defective signs and sign posts . . . . .	115
Defective stand pipe . . . . .	1
Defective steps and stairs . . . . .	5
Defective streets . . . . .	198
Defective street, lighted . . . . .	1
Defective United States mail box . . . . .	1
Defective water gate boxes . . . . .	62
Defective wires . . . . .	39
Demented persons . . . . .	2
Disorderly house . . . . .	1
Disturbances . . . . .	44
Disturbances suppressed . . . . .	1
Dogs killed . . . . .	42
Dogs unlicensed . . . . .	2
Dogs vicious . . . . .	10
Fire, danger of . . . . .	1
Fire, extinguished without alarm . . . . .	1
Fire, false alarms of . . . . .	24
Fires, needless alarms for . . . . .	5
Fires reported . . . . .	262
Fraud . . . . .	4
Gas leaks . . . . .	6
Heat prostrations . . . . .	2
Houses unoccupied . . . . .	45
Indecent exposure of person . . . . .	4
Larcenies, no value given . . . . .	116
Larcenies . . . . .	689
Lodgers . . . . .	2
Lost children . . . . .	277
Lost children found . . . . .	277
Lottery . . . . .	1
Malicious mischief . . . . .	66
Missing persons . . . . .	121
Missing persons found . . . . .	121
Murder . . . . .	1
Obstructions on railroad tracks . . . . .	5
Obstruction on railway . . . . .	1
Obstructions on sidewalks . . . . .	16
Obstructions on sidewalks, lighted . . . . .	2
Obstructions in streets . . . . .	31
Obstructions in streets, lighted . . . . .	6
Obstructions in streets, not lighted . . . . .	3
Panes of glass broken . . . . .	197
Permits issued to carry firearms . . . . .	255
Permits to labor on Lord's Day . . . . .	213
Persons bitten by dogs . . . . .	22
Property damaged and destroyed . . . . .	78
Property lost, no value given . . . . .	77
Property found, no value given . . . . .	71
Robberies and attempts to rob . . . . .	15
Runaway children . . . . .	21
Runaway children, found . . . . .	21
Runaway teams . . . . .	3
Runaway teams stopped . . . . .	3
Sidewalks dangerous from snow and ice . . . . .	137
Sidewalks and streets, flooded . . . . .	52



Steps dangerous from snow and ice . . . . .	1
Stray bullets fired . . . . .	3
Stray carrier pigeon found . . . . .	1
Stray dogs . . . . .	147
Stray dogs found . . . . .	33
Stray horses and other animals . . . . .	3
Stray horses and other animals, found . . . . .	15
Stray teams . . . . .	8
Stray teams founds . . . . .	11
Streets dangerous from snow and ice . . . . .	3
Street lights reported . . . . .	2,909
Strike . . . . .	1
Subways flooded . . . . .	2
Sudden deaths . . . . .	4
Suicide threat . . . . .	1
Suicides . . . . .	5
Summonses served for witnesses and defendants to appear in court at other places . . . . .	715
Suspicious persons . . . . .	55
Threats . . . . .	2
Tree guard dangerous . . . . .	1
Trees dangerous and defective . . . . .	34
Trespass . . . . .	49
Trespass, wilful . . . . .	11
Unconscious person . . . . .	1
Unlawful appropriation of teams . . . . .	3
Violation of health regulations . . . . .	4
Violation of city ordinances . . . . .	213
Violation of Lord's Day . . . . .	2
violation of motor vehicle laws . . . . .	47
Water pipes leaking . . . . .	148
Window broken . . . . .	68

## OFFICIAL ROSTER OF DEPARTMENT

## Chief of Police

Charles A. Kendall

## Captain

Eugene A. Carter

## Lieutenants

James M. Harmon  
John A. Ray  
Thomas DameryMichael T. Kennedy  
Ernest Howard

## Sergeants

Frank H. Graves  
James M. Lynch  
William G. KenneyRobert T. Blair  
Thomas P. Walsh  
Charles J. Sharry

## Patrolmen

- |                               |                            |
|-------------------------------|----------------------------|
| 1 — Edward M. Carter          | 40 — John J. McCahey       |
| 2 — Francis A. Perkins        | 41 — Alexander Morrison    |
| 3 — Theodore E. Heron         | 42 — Daniel J. Powers      |
| 4 — Daniel G. Simons          | 43 — Jeremiah O'Connor     |
| 5 — Samuel Burns              | 44 — Charles E. Wilson     |
| 6 — John A. Dadmun            | 45 — Timothy Buckley       |
| 7 — George L. Rice            | 46 — John J. Killourhy     |
| 8 — Myron S. Gott             | 47 — Thomas M. Sharry      |
| 9 — Charles W. Reick          | 48 — Michael J. O'Loughlin |
| 10 — Frank C. Hopkins         | 49 — Charles W. Shepherd   |
| 11 — Hudson M. Howe           | 50 — John F. Cruise        |
| 12 — Sanford S. Lewis         | 51 — John J. Shay          |
| 13 — Henry A. Sudbey          | 52 — Edward G. Butman      |
| 14 — Thomas F. McNamara       | 53 — John P. L. O'Keefe    |
| 15 — Louis F. Arnold          | 54 — Alfred E. Robitaille  |
| 16 — Charles S. Johnston      | 55 — Allan S. Burns        |
| 17 — Claude L. Crossman       | 56 — William H. Donovan    |
| 18 — John J. Cummings         | 57 — George R. Allan       |
| 19 — Edmund J. Keane          | 58 — Jeremiah Keniry       |
| 20 — Denis Downey             | 59 — James Murray          |
| 21 — Edward M. Davies         | 60 — Charles J. Fulton     |
| 22 — George A. C. Peters      | 61 — Edward F. Culliton    |
| 23 — Louis J. Belzarini       | 62 — Alfred J. McFadden    |
| 24 — Walter Reed              | 63 — James A. Fitzpatrick  |
| 25 — Dennis G. Mulqueaney     | 64 — Frank J. Roche        |
| 26 — Patrick J. Doolin        | 65 — Augustine F. Sharry   |
| 27 — Edward J. Hopkins        | 66 — Daniel M. O'Connell   |
| 28 — Walter L. Groves         | 67 — Chester C. F. Warner  |
| 29 — Joseph A. Dwyer          | 68 — Charles F. Lacey      |
| 30 — Augustine J. Fitzpatrick | 69 — William E. Dwyer      |
| 31 — Patrick McGrath          | 70 — Charles H. McAvoy     |
| 32 — Bernard McCabe           | 71 — James F. Holmes       |
| 33 — Harry C. Young           | 72 — Earle W. Elliott      |
| 34 — Robert D. Dewar          | 73 — Michael J. Dowd, Jr.  |
| 35 — Peter Moore              | 74 — Patrick J. Lyons      |
| 36 — Albert C. Hawes          | 75 — Alfred S. Macomber    |
| 37 — Walter C. Oesting        | 76 — Thomas A. Donovan     |
| 38 — John L. Cameron          | 77 — Thomas J. Flanagan    |
| 39 — Francis P. Higgins       | 78 — Timothy J. Corkery    |

**Patrolmen, continued**

79 — John H. O'Leary	82 — John H. Baker
80 — Leo J. Hurley	83 — John J. Courtney
81 — Henry W. Roche	84 — Pierce P. Ronayne

**Reservemen**

85 — Joseph P. Blake	88 — Dennis F. Kearney
86 — Frank A. Silva, Jr.	89 — Edmond F. Flynn
87 — John J. Smith	90 — LeRoy V. Pierce

**Chauffeurs and Patrol Drivers**

James W. Lundergan	John H. McKenzie
James H. White	William R. Burnett

**Matron**

Mrs. Mina T. Weeks

**Assistant Matron**

Mrs. Katherine Woods

**Pensioners Retired on Half Pay**

John E. Fuller,	Mar. 23, 1906	Jacob W. Skinner,	Dec. 31, 1917
Ira S. Carleton,	May 9, 1907	Elmer E. Drew,	July 25, 1918
James J. Pollard,	Feb. 27, 1908	Ernest S. Goff,	July 11, 1919
Herbert Hilton,	Dec. 21, 1911	Charles W. Allen,	Mar. 26, 1920
Ezra A. Dodge,	Mar. 14, 1914	Jotham Chisholm,	Apr. 23, 1920
George H. Carleton,	Mar. 27, 1914	Charles E. Woodman,	June 24, 1921
Frederick H. Googins	Mar. 12, 1915	Frederick G. Jones	Feb. 9, 1923

**CHANGES IN THE FORCE****Resignations**

George D. MacDonald, patrolman, resigned, September 13, 1923.  
 Elmer E. G. Raymond, patrolman, resigned September 20, 1923.

**Retirement**

Frederick G. Jones, patrolman, placed on pension roll, February 9, 1923.

**Appointments**

Joseph P. Blake, appointed reserveman, May 14, 1923  
 Frank A. Silva, Jr. appointed reserveman, May 14, 1923.  
 John J. Smith, appointed reserveman, May 14, 1923.  
 Dennis F. Kearney, appointed reserveman, September 28, 1923.  
 Edmond F. Flynn, appointed reserveman, September 28, 1923.  
 LeRoy V. Pierce, appointed reserveman, September 28, 1923.  
 William R. Burnett, appointed temporary patrol driver, September 4, 1923.

**Promotions**

Sergeant, Ernest Howard, promoted to lieutenant, Sept. 28, 1923  
 Patrolman, Charles J. Sharry, promoted to sergeant, Sept. 28, 1923  
 Reserveman, John J. Courtney, promoted to patrolman, Sept. 28, 1923  
 Reserveman, Pierce P. Ronayne, promoted to patrolman, Sept. 29, 1923

**Police Signal Service**

Number of on duty calls made by the patrolmen . . .	271,136
Telephone calls made by the officers and patrolmen . . .	43,579

**"White" Combination Automobile Service**

Number of runs made in conveying prisoners to station . . .	152
Number of prisoners conveyed . . . . .	177
Number of sick and injured conveyed . . . . .	632
Number of miles run in conveying prisoners to station . . . . .	269.3
Number of miles run in conveying sick and injured . . . . .	1,947.9
Number of miles run in conveying prisoners to and from jail . . . . .	108.4
Number of miles run elsewhere . . . . .	493.3
	<hr/>
Total number of miles run during year . . . . .	2,818.9

**"Red" Combination Automobile Service**

Number of runs made in conveying prisoners to station . . . . .	1,267
Number of prisoners conveyed . . . . .	1,558
Number of sick and injured conveyed . . . . .	137
Number of miles run in conveying prisoners to station . . . . .	2,440.8
Number of miles run in conveying sick and injured . . . . .	449.0
Number of miles run in conveying prisoners to and from jail . . . . .	683.0
Number of miles run elsewhere . . . . .	1,139.9
	<hr/>
Total number of miles during year . . . . .	4,712.7

**Touring Car Reports**

Number of prisoners conveyed to station . . . . .	103
Number of sick and injured conveyed . . . . .	16

**"International Harvester Co." Auto Car Reports**

Number of prisoners conveyed to station . . . . .	12
Number of prisoners conveyed to jail . . . . .	1

**"Harley Davidson" Motorcycle Reports**

Total mileage for the year . . . . .	5,600
--------------------------------------	-------



### Transfers and sales of Motor Vehicles

Report on investigation, card indexing and filing sales and transfers of motor vehicles.

Number of licenses granted by the Board of Aldermen.

First class . . . . .	9
Second class . . . . .	19
Third class . . . . .	3
	---
Total . . . . .	31
Number of sales and transfers made by dealers . . . . .	3,797
Number of individual sales . . . . .	1,891
Number of stolen motor vehicles reported by the several Police Departments, Insurance Agencies and Detective Bureaus in the United States and Canada . . . . .	9,298
Number of motor vehicles recovered by above . . . . .	4,134
Number of index cards filed . . . . .	31,856

Respectfully submitted.

DANIEL G. SIMONS, *Police Officer.*

### REPORT OF LIQUOR OFFICERS

The following is the report of liquor officers from Jan. 1, to Dec. 31, 1923.

Cases investigated . . . . .	378
Search warrants served . . . . .	152
Cases in District Court . . . . .	94
Fines imposed in District Court . . . . .	\$7,175

#### Seizures

Gallons of intoxicating liquors . . . . .	989
Gallons of mash . . . . .	260
Bottles of alco rub . . . . .	144
Bottles of liquor coloring . . . . .	32
Stills . . . . .	9
Hydrometers . . . . .	10
Barrels, kegs, jugs, cans, bottles, funnels and other imple- ments . . . . .	8,821
Batteries . . . . .	3
Cash register . . . . .	1
Corks . . . . .	3,850

Respectfully submitted,

JAMES M. LYNCH and FRANK H. GRAVES,

*Sergeants.*

## REPORT OF POLICE MATRON

Jan. 1, 1924

To Charles A. Kendall, Chief of Police.

Dear Sir:—

I herewith submit my report as matron for the year ending December 31, 1923. The following females and minors were placed in my care, charged with the following offences.

Adultery . . . . .	1
Assault and battery . . . . .	12
Breaking glass . . . . .	1
Demented . . . . .	7
Disorderly house, keeping of . . . . .	1
Disturbing the peace . . . . .	1
Drunkenness . . . . .	21
Children, lost . . . . .	54
Children, neglected . . . . .	2
Fornication . . . . .	3
Insane inmate, escape of . . . . .	1
Intoxicating liquor, illegal sale of . . . . .	7
Kidnap, attempt to . . . . .	1
Kidnapping . . . . .	1
Larceny . . . . .	4
Lewd and lascivious cohabitation . . . . .	2
Motor, vehicle,, laws, violation of . . . . .	3
Probation, violation of . . . . .	1
Runaways . . . . .	3
Safe keeping . . . . .	15
Setting fire . . . . .	1
Stubbornness . . . . .	6
Unlicensed dogs, keeping of . . . . .	3
Total . . . . .	152

I have reported at station each day and have attended the sessions of the juvenile court, looking after minors who have been in court.

Respectfully submitted,

MRS. MINA T. WEEKS, *Matron.*

## Conclusion

The work of this department has been steadily increasing, all laws have been enforced, many important arrests being made. There is a regular liquor squad consisting of a sergeant and three men detailed for this duty to assist the regular officers in enforcing the liquor laws. One sergeant was promoted to lieutenant, one patrolman promoted to sergeant,

two reservemen promoted to patrolmen, six reservemen appointed, two patrolmen resigned and one patrolman retired on pension. One man was appointed as a temporary patrol driver.

I respectfully ask for your consideration the much needed repairs and more room for police business, both in the main building and the garage. The establishment of a traffic squad is also in the line of progress. To His Honor, the Mayor John M. Webster I wish to express my sincere and heartfelt thanks for his wise counsel in all matters pertaining to this department, to the members of the Board of Aldermen and the Public Safety committee for their interest, To the Heads of other Departments, Court Officials, Newspaper men and all members of the Police Department who have rendered valuable assistance to me in the discharge of my duties, my sincere thanks are expressed.

Respectfully submitted,

CHARLES A. KENDALL,

*Chief of Police.*

## SUPPORT OF PUBLIC WELFARE DEPARTMENT

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### Board of Public Welfare

FRED E. DURGIN, President

MICHAEL COLL, Vice-President

GEORGE G. BRAYLEY

### Committees

On Finance, Investigation and Relief, and City Home

MR. DURGIN, MR. COLL AND MR. BRAYLEY

### Clerks

JOSEPHINE S. PHILBROOK

HELEN E. LINEGAR

### General Agent

WILLIAM E. COPITHORNE

### City Physician

FRANK E. BATEMAN, M. D.

### Warden and Matron, City Home

MR. AND MRS. J. FOSTER COLQUHOUN

### Office

City Hall Annex, Highland Avenue



Somerville, Mass., December 31, 1923.

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

Gentlemen,—The Board of Public Welfare submit herewith reports of the General Agent, the Warden of the City Home and the City Physician, with tables showing the work.

Respectfully submitted,

FRED E. DURGIN,

MICHAEL COLL,

GEORGE G. BRAYLEY,

*Board of  
Public  
Welfare.*

## REPORT OF GENERAL AGENT

City Hall Annex, January 1, 1924.

To the Board of Public Welfare, Somerville, Mass:—

Gentlemen,—The following as the report of the general agent for the year ending December 31, 1923 is herewith submitted:—

Table No. 1

## FULL SUPPORT (During the year)

In City Home (men 26, women 29) . . . . .	55
In City Home, December 31, 1923 . . . . .	37
In hospitals for the sick in other cities, towns and state .	43

Table No. 2

## PARTIAL SUPPORT (Outside Relief)

Families . . . . .	86
Persons aided (including hospital cases) . . . . .	533
Burials . . . . .	1
Permits to State Infirmary . . . . .	4

Table No. 3

## CHILDREN

In private families . . . . .	19
In care of state division of child guardianship . . . . .	18

Table No. 4

## AID UNDER 1913 LAW (Mothers' Aid)

Number of mothers' aid cases, January 1, 1923 . . . . .	65
Number of families aided at close of year . . . . .	57
Number of children . . . . .	259
Amount allowed each family, from \$4.00 to \$16.00 per week	
Number of out-of-town families . . . . .	10
Number having no settlement . . . . .	21

## Cost to City

Somerville settlement . . . . .	\$22,190 75
Settled in other cities and towns (reside here) . . . . .	3,850 00
State . . . . .	10,120 25
Somerville families living in other cities and towns . . . . .	4,145 79
	\$40,306 79

Table No. 5  
REIMBURSEMENTS

Commonwealth of Massachusetts . . . . .	\$24,039 36
City of Boston . . . . .	2,060 61
“ “ Brockton . . . . .	313 62
“ “ Cambridge . . . . .	3,085 99
“ “ Everett . . . . .	349 43
“ “ Haverhill . . . . .	71 50
“ “ Medford . . . . .	156 25
Town of Brookline . . . . .	49 00
“ “ Plymouth . . . . .	428 86
“ “ Winchendon . . . . .	40 00
Individual . . . . .	268 00
	\$30,862 62

Table No. 6  
SOMERVILLE HOSPITAL (City Patients)

Patients having settlement in Somerville . . . . .	64
Patients having settlement in other cities and towns . . . . .	11
Patients having no settlement (chargeable to State) . . . . .	18
Total number of patients sent to hospital . . . . .	93
Amount paid to hospital . . . . .	\$7,447 75

Table No. 7  
POPULATION AND GROSS EXPENDITURES, 1900 to 1923

Year		Misc.	Home,	Total
1900	—*61,643	\$23,697.62	\$5,528.83	\$29,226.45
1901	— 62,500	29,171.15	6,622.43	35,793.58
1902	— 63,500	28,667.04	7,396.64	36,063.68
1903	— 65,500	30,470.20	7,548.39	38,018.59
1904	— 69,500	20,476.64	6,563.11	27,039.65
1905	—*69,272	17,527.88	7,474.36	25,002.24
1906	— 72,000	18,237.53	6,806.79	25,044.32
1907	— 74,000	17,852.20	7,001.23	24,853.43
1908	— 75,500	17,955.34	6,875.56	24,830.90
1909	— 75,500	16,843.17	7,562.83	24,406.00
1910	—*77,236	16,110.42	7,695.89	23,806.31
1911	— 78,000	16,327.56	7,842.03	24,169.59
1912	— 81,000	19,201.33	8,998.97	28,200.30
1913	— 82,000	21,827.73	10,945.95	32,773.68
1914	— 85,000	35,619.68	11,200.25	46,819.93
1915	—*86,854	45,490.98	11,218.65	56,709.63
1916	— 90,000	51,759.62	11,593.41	63,353.03
1917	— 90,000	53,653.33	13,417.77	67,071.10
1918	— 90,500	63,420.48	15,411.20	78,831.68
1919	— 91,000	67,682.53	15,789.34	83,471.87
1920	—*93,033	77,456.57	17,308.29	94,764.86
1921	— 95,000	87,922.69	15,069.81	102,992.50
1922	— 97,000	95,510.92	13,577.07	109,087.99
1923	— 98,000	88,909.21	14,770.97	103,680.18

\*Census

Table No. 8

## Expenditures in Detail for the Year 1923

1923	Board.	Auto Maintenance	Burials.	Somerville Poor in other Cities and Towns.	Cash Paid Out.	Somerville Poor in other Cities and Towns 1913 Law.	Cash Allowance	Fuel.	Groceries.	Other Institutions.	Med. Att. and Medicine	Nursing.	Stationery and Printing.	Salaries.	Somerville Hospital.	State Institutions.	All Other.	Telephone.	Totals
January .....	\$264.20	\$12.50	\$.....	\$846.75	\$4,465.50	\$.....	\$64.01	\$.....	\$236.75	\$69.35	\$20.52	\$ 5.00	\$37.91	\$522.02	\$1,118.00	\$313.82	\$.....	\$10.44	\$7,986.77
February .....	157.14	12.50	.....	.....	4,549.20	.....	42.00	4.25	184.00	.....	28.20	6.50	13.50	528.05	588.25	.....	.....	9.64	6,123.23
March .....	626.79	12.50	.....	1014.60	5,635.00	.....	46.51	.....	209.00	42.86	40.70	4.50	4.75	614.23	451.50	.....	.....	9.14	8,712.08
April .....	274.43	12.50	.....	22.86	4,430.25	.....	45.01	.....	151.00	108.00	13.35	.....	16.63	508.88	520.00	203.92	.....	9.39	6,210.59
May .....	168.92	12.50	5.00	.....	4,239.95	465.88	46.51	.....	166.00	113.07	.....	6.50	11.00	528.05	399.00	.....	5.00	9.44	6,172.45
June .....	170.14	12.50	.....	.....	5,304.20	.....	45.01	.....	188.00	61.57	20.96	15.50	11.46	572.06	668.50	.....	.....	8.64	7,078.54
July .....	763.33	12.50	.....	803.89	4,223.20	832.63	59.80	.....	132.00	.....	3.30	7.50	39.34	501.21	612.50	578.39	.....	8.99	8,578.58
August .....	128.49	12.50	.....	15.00	4,093.50	1,818.80	72.65	.....	177.00	.....	5.63	.....	1.56	528.05	596.50	.....	5.00	10.79	7,465.47
September ...	716.25	12.50	107.00	10.00	5,344.10	.....	57.87	.....	171.00	111.07	2.00	.....	3.50	602.73	448.00	.....	.....	2.27	7,588.29
October .....	290.19	12.50	.....	155.43	4,397.20	.....	59.80	.....	141.00	47.14	2.92	3.00	.....	613.41	808.50	255.00	1.50	8.89	6,795.48
November ...	84.43	12.50	.....	723.74	4,559.00	820.48	49.29	.....	101.00	.....	40.38	.....	.....	528.05	819.00	.....	.....	8.84	7,746.70
December ...	996.49	12.50	.....	167.55	5,600.00	208.00	50.94	.....	109.00	.....	15.00	.....	103.72	634.27	518.00	.....	21.00	14.56	8,451.03
Totals.....	\$4,640.79	\$150.	\$112.00	\$3,759.82	\$56,841.10	\$4,145.79	\$639.40	\$4.25	\$1,965.75	\$553.06	192.96	\$48.50	\$233.37	\$6,680.01	\$7,447.75	\$1,351.13	\$32.50	\$111.03	\$88,909.21



Year	Population	Area	Value	Value	Value
1900	10,000	100	100	100	100
1905	12,000	120	120	120	120
1910	15,000	150	150	150	150
1915	18,000	180	180	180	180
1920	22,000	220	220	220	220
1925	28,000	280	280	280	280
1930	35,000	350	350	350	350
1935	42,000	420	420	420	420
1940	50,000	500	500	500	500
1945	60,000	600	600	600	600
1950	70,000	700	700	700	700
1955	80,000	800	800	800	800
1960	90,000	900	900	900	900
1965	100,000	1000	1000	1000	1000
1970	110,000	1100	1100	1100	1100
1975	120,000	1200	1200	1200	1200
1980	130,000	1300	1300	1300	1300
1985	140,000	1400	1400	1400	1400
1990	150,000	1500	1500	1500	1500
1995	160,000	1600	1600	1600	1600
2000	170,000	1700	1700	1700	1700
2005	180,000	1800	1800	1800	1800
2010	190,000	1900	1900	1900	1900
2015	200,000	2000	2000	2000	2000
2020	210,000	2100	2100	2100	2100
2025	220,000	2200	2200	2200	2200
2030	230,000	2300	2300	2300	2300
2035	240,000	2400	2400	2400	2400
2040	250,000	2500	2500	2500	2500
2045	260,000	2600	2600	2600	2600
2050	270,000	2700	2700	2700	2700
2055	280,000	2800	2800	2800	2800
2060	290,000	2900	2900	2900	2900
2065	300,000	3000	3000	3000	3000
2070	310,000	3100	3100	3100	3100
2075	320,000	3200	3200	3200	3200
2080	330,000	3300	3300	3300	3300
2085	340,000	3400	3400	3400	3400
2090	350,000	3500	3500	3500	3500
2095	360,000	3600	3600	3600	3600
2100	370,000	3700	3700	3700	3700

## OVERSEERS OF THE POOR OF SOMERVILLE

Since the reorganization in 1885

†Hon. Mark F. Burns, chairman, ex-officio	1885	1888	inclusive
†Col. Herbert E. Hill . . . . .	1885	1889	"
†Charles S. Lincoln, Esq., chairman . . . . .	1885	1887	"
†Hon. Edward Glines . . . . .	1885	1887	"
†Charles G. Brett (president 1888-1892) . . . . .	1885	Apr. 1893	"
†Edward B. West (president May, 1894 February 1912) . . . . .	1888	1912	"
†Daniel C. Stillson . . . . .	1888	Apr. 1892	"
†Hon. Charles G. Pope, chairman ex-officio	1889	1891	"
†Nathan H. Reed (president 1893 to April, 1894) . . . . .	1890	Apr. 1894	"
†Hon. William H. Hodgkins, chairman ex-officio. . . . .	1892	1895	"
†James G. Hinckley . . . . . May,	1892	1894	"
†Albert W. Edmands . . . . . May,	1893	Oct. 1918	"
†Herbert E. Merrill . . . . . May,	1894	1909	"
†Ezra D. Souther . . . . .	1895	Feb. 1898	"
Hon. Albion A. Perry, chairman ex-officio	1896	1898	"
James H. Butler . . . . . March	1898	1899	"
Hon. George O. Proctor, chairman ex- officio . . . . .	1899		
Henry F. Curtis, M. D. (president 1912- 1919) . . . . .	1910	1921	"
Philip Koen . . . . .	1912	Nov. 1916	"
*Michael Coll . . . . . November	1916	date	"
*Fred E. Durgin (president 1919 to date) . . . . . Oct.	1918	date	"
*George G. Brayley . . . . . Jan.	1922	date	"

Table No. 9

## RECAPITULATION (Miscellaneous)

Expenditures and transfers . . . . .	\$88,909 21	
Reimbursements and refunds . . . . .	31,242 16	
Net cost to city . . . . .		\$57,667 05

\* Present member.

† Deceased.

Respectfully submitted,

WM. E. COPITHORNE,

General Agent.

REPORT OF WARDEN OF CITY HOME

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City Home, January 1, 1924.

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, 1923:—

Table No. 1

Numbr of weeks' board of inmates . . . . .	2166-5
Number of males admitted during 1923 . . . . .	15
Number of females admitted during 1923 . . . . .	12
Number of males discharged during 1923 . . . . .	5
Number of females discharged during 1923 . . . . .	5
Number of males supported during 1923 . . . . .	26
Number of females supported during 1923 . . . . .	29
Number of males died during 1923 . . . . .	6
Number of females died during 1923 . . . . .	4
Number of inmates in home, December 31, 1923 . . . . .	37

City Home Hospital

Number of weeks' board . . . . .	532-5
Number of patients admitted . . . . .	20
Number of patients in hospital, December 31, 1923 . . . . .	10

Table No. 2

Reimbursements . . . . .	\$7,691 87	
Net expenditures . . . . .	7,079 10	
		\$14,770 97
Appropriation and transfers . . . . .	\$14,772 86	
Balance . . . . .	1 89	
		\$14,770 97

Respectfully submitted,

J. FOSTER COLQUHOUN,

Warden.

## REPORT OF THE CITY PHYSICIAN

Somerville, January 1, 1924.

To His Honor, the Mayor, and the Board of Aldermen:

Gentlemen,—The work of your City Physician during the year 1923 is presented in the following abstract:—

Office consultations and treatments . . . . .	229
Total outside visits . . . . .	677
Confinements . . . . .	3
Vaccinations . . . . .	13
Visits at City Home . . . . .	134
Attended at Police Station . . . . .	34

## Examinations:—

For legal department . . . . .	19
For highway department . . . . .	10
For police department . . . . .	6
For fire department . . . . .	14
For soldiers' relief department . . . . .	18
For public grounds department . . . . .	1
For sanitary department . . . . .	1
For pension . . . . .	14

Much of the important conference work of the City Physician does not admit of tabulation.

Respectfully submitted,

FRANK E. BATEMAN,

City Physician.



## REPORT OF THE STREET COMMISSIONER

OFFICE OF THE STREET COMMISSIONER,  
City Hall, Somerville, January 1, 1924.

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen:—I most respectfully submit the forty-eighth annual report, containing a brief summary of the principal work performed by the Highway Department, by day labor and contract, during the year 1923 with recommendations for necessary additions the coming year.

This department has charge of the construction, alteration, repair, maintenance and management of ways, streets, sidewalks and bridges; the setting out and care of shade trees; the suppression of gypsy and brown tail moths, elm leaf beetles and other pests which destroy trees; and the oiling and watering of streets.

### Highway Department Appropriations

	Appropriations	Expenditures
Highway Maintenance . . . . .	\$73,100 00	
Departmental transfers . . . . .	32,766 46	
	105,866 46	
Total credit—Highway Mainte. . . . .		\$105,736 44
Sidewalks Maintenance . . . . .	9,134 84	9,131 32
Street Sprinkling . . . . .	43,650 00	43,649 10
Street Cleaning . . . . .	29,000 00	28,996 11
Suppression of Moths . . . . .	4,200 00	3,990 02
Care of Trees . . . . .	5,400 00	5,343 49
New Streets . . . . .	36,834 09	36,829 49
Permanent Pavement . . . . .	53,553 81	53,536 73
Sidewalks Construction . . . . .	13,316 37	13,314 46
Reconstruction and Resurfacing . . . . .	34,220 38	34,219 66
	\$335,175 95	\$334,746 82

The yearly maintenance of the Highway department is taken from the Highway Maintenance account. Credit is received for work performed for the other divisions of this department and other departments of the City.

The heavy motor truck has put on our roads a transportation burden never expected, and this department so far as the appropriations will allow, its constructing and recon-

structing our streets to care for this line of traffic. It is, however, a well-established principle that the roads shall serve for the greatest possible good of the public. The attainment of this principle is clearly impossible if we permit extraordinary large trucks and heavy loads to destroy them.

This year the department had a crew of men using the cold patch patrolling our streets, filling holes or depressions they might find. "No expenditure of public money contributes so much to the national wealth as for building good roads." From address of President Coolidge opening the 68th Congress of the United States.

Only two cents out of every dollar expended by the Federal Government and only seven cents out of every tax dollar is spent on roads.

1923

## Highway Maintenance

Total Appropriation . . . . .		\$73,100 00	
Credits . . . . .		32,766 46	
			<hr/>
			105,866 46
Street Commissioner . . . . .	\$3,100 00		
Bookkeeper and clerk . . . . .	2,791 17		
Office expenses . . . . .	464 45		
Equipment and repairs . . . . .	3,092 23		
Horses . . . . .	800 00		
Harnesses . . . . .	1,238 14		
Tools and machinery . . . . .	2,034 78		
Steam rollers . . . . .	396 28		
Automobiles, tractors and mixers . . . . .	6,131 12		
Stable expenses . . . . .	6,144 85		
Hay, grain and feed . . . . .	7,503 48		
Shoeing and veterinary . . . . .	1,618 14		
Fuel . . . . .	341 89		
Miscellaneous . . . . .	488 09		
Repairs streets, gutters . . . . .	19,032 98		
Repairs subways . . . . .	430 90		
Care of Lanterns . . . . .	3,180 62		
Snow and ice . . . . .	12,362 87		
Signs . . . . .	1,228 66		
Care of Highway property . . . . .	800 92		
Sawing wood . . . . .	30 75		
Holidays—vacations . . . . .	7,376 00		
Charges to other departments . . . . .	16,008 41		
Bills receivable . . . . .	9,139 71		
			<hr/>
Balance . . . . .		\$	130 02

### Snow and Ice

The winter of 1923 was a severe one, cold with a great amount of snow. This department was taxed to its utmost to comply with all the requests and reports it received in regard to snow.

The blockade by snow of any road carrying traffic causes a definite loss to the community; a loss to those who depend upon truck transportation of freight; and a less tangible but real loss to the general class of automobile owners. People are no longer willing to arrange business in regard to climate.

This department is now equipped with a five ton Mack truck with a Good Roads plough attached, one five ton Pierce Arrow truck and two Fordson Tractors with Stark ploughs attached and several big snow levellers mounted on wheels and runners. Most of our main streets have double car tracks and these are plowed by the Boston Elevated Railway Co. This department plowed all the other main and cross town streets. By plowing, streets are kept opened for the Fire Department, Mail and Ambulance, also for commercial and pleasure vehicles.

This department cares for the sidewalks around all public buildings and grounds.

558 requests and reports were attended to.

\$14,068.45 was expended for the care of snow and ice. 7,790 cubic yards of snow and ice were removed. 60 Cubic yards of sand and 95 cubic yards of ashes were used in caring for icy sidewalks, streets and crossing.

### Bridges

The bridges in our city are in good condition, but in many cases should be widened to conform with the width of the streets where they are located. The approaches to the Cedar street bridge were reconstructed, and the northerly approach to the Prospect street bridge was paved with granite paving blocks and a sidewalk constructed on the easterly side at both approaches. It is the intention of the Boston and Maine Railroad to construct an overhanging sidewalk on this bridge. When the work is completed it will be a great improvement and make travel safer for autoists and pedestrians.

### Street Railways

The Boston Elevated Railway Co. reconstructed double tracks on a concrete base on Medford street from Washington street to Central square; inbound track on Somerville ave-



nue from opposite Central street to Union square; both tracks on College avenue from Powder House square to the Medford line; both tracks on Broadway from Hathorne street to the Boston line; inbound track on Broadway from Sargent avenue to Walnut street and Broadway from Fellsway East to Cross street. In Union square the tracks were widened giving more space in the dummy. On Broadway from Main street to Marshall street the inbound track was reconstructed.

I hope the coming year the Boston Elevated Railway Co. will reconstruct their tracks on Washington street from Tufts street to the Boston line and on Broadway from Teele square to the Arlington line also to complete the work on Somerville avenue from Union square to Wilson square.

#### Underground Wires

Underground conduits were constructed by the New England Telephone and Telegraph Company on Broadway from Powder House square to Simpson avenue and on Broadway from and including Teele square to opposite North street. By the Edison Electric Illuminating Company on Cross street from Pearl street to Central square and for pole and house connections on Medford street from and including Gilman square to Magoun square.

#### Crushed Stone

##### Sidewalks Maintenance

Many of our old brick sidewalks should be removed and granolithic constructed, especially on our main street and in our squares.

600 linear feet of edgestone were reset. 610 square yards of brick sidewalks were relaid and 310 yards of granolithic relaid.

Police reports pertaining to all kinds of defective sidewalks are charged to this appropriation.

\$8,931.32 was expended for Sidewalks Maintenance.

#### Street Sprinkling

The department with its own employees and equipment sealed all the tar and asphalt streets. There was a large tank erected in the city yard for holding tar, connected with a steam boiler for heating. The Trimount Oil Company furnished tar for cold application into this tank for 099c per gallon. The American Car Sprinkler Company sprinkled and



flushed most of our streets where there are car tracks for \$925.00 a month, seven days a week and eight hours a day.

The city purchased a five ton Mack truck with a 1200 gallon tank, equipped with a Kinney pumping outfit for oil, tar or water.

Dust layers used during the year:—

- 120,192 gallons of Tarco B, Trimount Oil Co.
- 13,600 gallons of Montezuma Asphalt.
- 3,000 gallons of Non-Asphaltic, Trimount Oil Co.
- 11,250 lbs. Calcium Chloride.

\$43,649.10 was expended for Street Sprinkling.

#### Street Cleaning

Late in the spring a Springfield Motor pick-up sweeping machine was purchased by the city and it has given such good results that the Mayor, in his inaugural address to the Board of Aldermen, recommended an appropriation to purchase another machine the coming year. Part of the time this machine has worked night and day with two shifts of men, the night crew operating the machine in squares and on main streets that are congested in the day time.

7,295 cubic yards of street sweepings were removed.

\$28,996.11 was expended for Street Cleaning.

#### Suppression of Moths

The department found very few brown tail moths. The city cares for all trees both public and private in regard to moths.

- 8,642 street trees were inspected and cared for.
- 8,868 private trees were inspected and cared for.
- 8,642 bushes were found moth infested.
- 3,837 fences and buildings on which moths nested.
- 28,963 gypsy moth nests were painted with creosote.
- 9 brown tail moth nests were gathered and destroyed.
- 583 satin moth nests were painted with creosote.
- 8,287 trees were sprayed by the gasoline spraying machine to exterminate the different kinds of caterpillars and beetles.
- 11,848 tussock moth nests were destroyed.

\$3,990.02 was expended for the Suppression of Moths.

### Shade Trees

Many of our shade trees are dead or dying and the department removed the same as fast as possible. The City Government should make a special appropriation for young trees to replace the trees that have been removed. The last special appropriation for new trees was made by Mayor Chandler in 1904. Shade trees are a great improvement to the general appearance of a street and help to beautify the city.

- 95 trees were set out.
- 178 trees were removed.
- 311 trees were trimmed.
- 17 tree guards and supports installed.

\$5,343.49 was expended for Care of Trees.

### Highway Construction—New Streets

Where new streets are constructed the abutters pay half the cost of constructing the street, gutters, edgestones and sidewalks. The city has two years from the time they are accepted as public streets to construct the same.

Six new streets were constructed during the year under the Betterment Act, by contract with James H. Fannon, viz:

- Setting edgestones 80c per linear foot.
- Gutter construction \$3.75 per square yard.
- Construction of Macadam roadway \$1.65 per square yard.

The city furnished the edgestone and tarvia binder. Straight edgestone \$1.18 per linear foot. Circles \$1.45 per linear foot from S. & R. J. Lombard, delivered on line of work.

Montezuma Asphalt binder 19c per gallon from Trimount Oil Company, delivered and sprayed on work.

Six new streets were accepted this year.

\$36,828.49 was expended for New Streets.

### Sidewalk Construction

The city employees constructed all the granolithic sidewalks where the abutters paid for half the cost, at an average cost of \$2.90 per square yard. This price includes excavating and all material furnished. Some granolithic sidewalks were constructed where the owners were anxious to have same and paid the entire cost, the sidewalks were constructed by contractors hired by the owners, under my supervision.

Miles of edgestone, granolithic, brick and gravel sidewalks in the city:—

Edgestones . . . . .	149.162 miles
Granolithic sidewalks . . . . .	57.384 miles
Brick sidewalks . . . . .	70.697 miles
Gravel sidewalks . . . . .	20.779 miles

\$13,314.46 was expended for Sidewalks Construction.

NEW STREETS CONSTRUCTED IN 1923

Street	From	To	Material	Width	Cost
Bailey street	North street	West Adams street	Bituminous Macadam	40	\$4,631 77
Eustis street	Beacon street	Cambridge line	"	30	1,528 57
Gordon street	North street	Alewife Brook Parkway	"	40	14,268 35
Maple avenue	School street	southeasterly	"	40	3,626 90
Pennsylvania avenue	Wisconsin avenue	Cross street	"	40	3,683 42
Rose street	Washington street	Lewis street	"	40	5,573 69
West Quincy street	Bailey street	Medford line	"	40	3,459 19

PERMANENT PAVEMENT

Street	From	To	Material	Sq. Yds.	Cost Per Sq. Yd.
Medford street	Washington street	Central square	Granite Blks., concrete base	1240	4.40
Prospect street	B. & M. R. R. slope	Washington street	"	3647.7	2.40
Somerville avenue	S'W'yly side, Union Sq.	Opp. Central street	"	5319	3.00
Somerville avenue	N'th'yly side, Union Sq.	near Granite street	"	3915.8	3.40



SIDEWALKS CONSTRUCTION 1923

Street	Location	Cost
Beacon street	In front estate No. 94	\$498 44
Bow street	In front estate No. 65-81 and No. 379-381 Somerville avenue	553 56
City Road	Westerly side of Broadway at Trun Park	251 82
Curtis street	Southerly side Powder House Blvd. to Electric avenue	777 63
Curtis street	Westerly side of Sunset road to Medford line	1,188 83
Cross street	Pearl street to Broadway	30 94
Garrison avenue	Both sides to estate No. 34-36	1,910 00
Highland avenue	In front estate No. 104-106	212 74
Highland avenue	In front estate No. 409-413	253 38
Highland avenue	In front estate No. 410-420	290 47
Liberty avenue	Westerly side Broadway to Powder House terrace	909 53
Maple avenue	Both sides School street to near Marshall street	1,189 36
Marshall St.—Bradley St.	At North Eastern Junior High School	1,323 43
Medford street	Southwesterly side South street to Ward street where not laid	558 56
Minnesota avenue	Southwesterly side between estates No. 33-41	179 53
Morrison avenue	Southwesterly estate No. 42 to Highland road	697 83
Pearl street	Easterly side Crescent street to Mt. Vernon street	624 32
Pennsylvania avenue	Northwesterly side Rhode Island avenue to Connecticut avenue	223 04
Spring street	Northwesterly side Pitman street to estate No. 29	482 29
Spring street	Southwesterly side in front estate No. 31-33	119 57
Prospect street	Easterly side Webster avenue to R. R. bridge	505 25
Prospect street	Southwesterly side Prospect Pl. to B. & M. R. R. property	365 57
Woodstock street	Northerly side at estate No. 63-65 Waterhouse street	177 19

**Highways Construction—Permanent Pavement**

A large sum was appropriated for this account and a great improvement was made on some of our main and through streets. C. W. Dolloff and Company was the lowest bidder on Permanent Pavement for removing old granite paving blocks, recutting and placing on a new concrete base, blocks to be cement grouted.

Of all the improvements this year in street construction, the greatest was on Prospect street, one of the streets on the route to the North and South shores. This street was constructed a few years ago, by contract, with a concrete base and penetration tar top which after a short duration began to crawl, making the street very rough to drive over. This year the city employees removed the tar top and C. W. Dolloff Company laid recut paving blocks grouted on the old concrete base for \$2.40 a square yard, blocks furnished by the city and cut by the contractor. Medford street from Central square to Washington street was widened and granite paving blocks were laid on a new concrete base, this street is also on the North and South shore route.

\$53,536.73 was expended for Permanent Pavement.

**Reconstruction and Resurfacing**

The work under this appropriation consisted of the reconstruction of Dartmouth street and a portion of Powder House Boulevard from Leonard street to approximately three hundred feet northwest of Packard avenue with bituminous macadam at a cost of \$1.42 per square yard.

On Broadway from the Charlestown line to Cross street and from Cedar street to the Boston and Maine R. R. slope on the northeasterly side, the old surface was removed by the City and resurfaced by the Warren Brothers Company with Warrenite bitulithic wearing surface at \$1.85 per square yard. On Broadway from Cross street to the Charlestown line the space between the tracks was resurfaced with bituminous macadam.

\$34,219.66 was expended for Reconstruction and Resurfacing.

**Miscellaneous**

- 156 Granolithic driveways constructed.
- 94 Brick driveways constructed.
- 31 Edgestones dropped for driveways.
- 3 Driveways extended.
- 2 Driveways discontinued.

Driveways are constructed, discontinued, relocated or extended at the expense of the petitioners.

Length of public streets, 100.89 miles.

Five horses were killed on account of disability and six horses purchased during the year.

The department maintains its own municipal repair shop for the different lines of work.

I have attended meetings of the Public Works and of the Board of Aldermen for consultation regarding work and petitions.

### Permits

There were during 1923—

- 151 permits issued to the Cambridge and Charlestown Gas Companies.
- 149 permits issued to cross sidewalks.
- 401 permits issued to occupy streets and sidewalks.
- 17 permits issued to feed horses.
- 18 street sprinkling complaints and requests.
- 191 notifications to other departments and corporations.
- 28 accident reports.
- 1052 police reports.
- 683 brick and granolithic sidewalks repaired.
- 1161 miscellaneous reports and requests.
- 62 drain layers permits.
- 763 water department openings.
- 166 permits to open streets and sidewalks.
- 42 danger and traffic signs erected.
- 22 new signs erected.
- 82 signs repainted.
- 63 streets cleaned by request.
- 4176 cubic yards of sand and gravel used.
- 3201 cubic yards of dirt removed.
- 884 cubic yards of ashes used.
- 1130 cubic yards of old macadam used.
- 4135 bags of Portland cement used.
- 50 cubic yards loam used.

### Recommendations

Many of my recommendations of 1922 were voted on by the City Government this year and appropriations for the same were made and the work completed or started, namely:—Somerville avenue, Broadway and Prospect street. I most respectfully recommend that the northwesterly side of Washington street from the Boston line to Tufts street be repaved by removing the old paving blocks from a gravel base, recut blocks and place same on a concrete base and groute the blocks, this kind of work was started on Somerville avenue

from Union square to Park street and to Granite street and I hope the improvement will be extended to Wilson square this year. Broadway from Teele square to the Arlington line the tar top should be stripped off the concrete base and a new bituminous mixed top constructed. Cross street from Pearl street to Central square should be widened and the same kind of improvement and paving started on this street in 1922, should be completed, also if Cross street from Broadway to Mystic avenue was constructed this would make a good cross town street for heavy travel and would connect with two state highways running to the north and west of our city.

This department is badly in need of a new fire proof garage.

My acknowledgments are due to the Mayor and Board of Aldermen and heads of departments for their courtesy and consideration in matters pertaining to the business of this department, also for the co-operation of all the employees of the department and citizens of the city.

Respectfully submitted,

ASA B. PRICHARD,

*Street Commissioner.*



## REPORT OF COMMISSIONER OF PUBLIC BUILDINGS

City Hall, Somerville, January 1, 1924.

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, 1923.

The total valuation of the property which is in the custody of the public buildings department is approximately \$3,861,160.

The total expenditures for the year 1923 for the care and maintenance of this property was \$250,837.62.

This amount was expended as follows:

	Janitors	Fuel	Light	Care and Repairs	Total
School Bldgs.	\$58,316 47	\$52,259 57	\$9,904 36	\$62,858 97	\$183,339 37
Municipal Bldgs.	4,829 35	1,050 42	1,284 96	5,996 16	13,160 89
Polling Places	.....	8 00	4 95	396 50	409 45
Police Bldgs.	1,958 93	1,661 95	870 97	1,116 20	5,608 05
Fire Bldgs	.....	4,365 52	2,883 66	4,065 41	11,314 59
Electrical Bldgs.	.....	745 75	49 26	1,077 55	1,872 56
Contagious Hosp.	.....	1,354 76	439 20	2,344 63	4,138 59
Sewer Bldgs.	.....	79 70	77 83	84 35	241 88
Sanitary Bldgs.	.....	88 77	158 71	454 01	701 49
Highway Bldgs.	.....	651 03	208 94	1,916 46	2,776 43
City Home Bldgs.	.....	1,412 12	760 35	3,064 00	5,236 47
Central Library	3,048 80	851 86	1,273 01	1,783 76	6,957 43
W. Br'ch Library	1,360 34	584 34	409 65	221 36	2,575 69
E. Br'ch Library	1,110 00	236 31	190 52	208 15	1,744 98
Union Sq. Library	1,119 00	565 33	254 98	643 07	2,582 38
Park Bldgs.	378 00	351 34	269 59	2,251 86	3,250 79
Bathhouse	1,096 57	.....	.....	1,451 01	2,547 58
Bandstand	.....	.....	.....	210 22	210 22
Water Bldgs.	.....	416 19	384 42	1,368 17	2,168 78
	\$73,217 46	\$66,682 96	\$19,425 36	\$91,511 84	\$250,837 62

### 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 past year has made over 3500 formal inspections of buildings in the process of construction.

The following table shows the number of permits issued for building operations during the year 1923:—

Buildings	WARDS							Totals
	1	2	3	4	5	6	7	
Dwellings . . . . .	30	50	28	31	55	54	188	436
Stores . . . . .	5	10	....	5	1	6	7	34
Dwelling & Stores . . . . .	5	2	1	1	1	1	....	11
Garages . . . . .	38	32	31	44	50	73	164	432
Storage . . . . .	11	7	....	5	7	3	2	35
Manufactories . . . . .	1	5	2	1	....	1	3	13
Sheds . . . . .	3	7	....	4	1	1	....	16
Offices . . . . .	1	3	....	2	....	....	....	6
Stables . . . . .	1	1	....	....	....	....	....	2
Shops . . . . .	....	1	....	....	....	....	....	1
Churches . . . . .	....	2	....	....	....	1	1	4
Bakery . . . . .	1	....	1	....	....	....	....	2
Gasoline Stations . . . . .	....	1	....	1	....	....	....	2
Bakery and Laundry . . . . .	1	....	....	....	....	....	....	1
Laundry . . . . .	....	....	1	1	....	....	....	2
Schools . . . . .	1	....	....	....	1	....	....	2
Hotel . . . . .	....	1	....	....	....	....	....	1
Restaurant . . . . .	....	....	....	....	....	....	1	1
Apartments . . . . .	....	....	....	....	1	....	....	1
Barn . . . . .	....	....	1	....	....	....	....	1
Printing Plant . . . . .	....	....	....	1	....	....	....	1
Boiler Rooms . . . . .	....	3	....	1	....	....	....	4
Bathhouse . . . . .	....	....	....	....	....	1	....	1
Bank . . . . .	....	....	....	....	....	....	1	1
Miscellaneous . . . . .	1	....	....	3	1	3	....	8
Torn down . . . . .	5	2	1	3	3	4	4	22
<b>Totals . . . . .</b>	<b>104</b>	<b>127</b>	<b>66</b>	<b>103</b>	<b>121</b>	<b>148</b>	<b>373</b>	<b>1042</b>

	Wood	Fire-resisting	Totals
New buildings . . . . .	196	459	655
Alterations . . . . .	337	28	365
<b>Totals . . . . .</b>	<b>533</b>	<b>487</b>	<b>1020</b>

Buildings	WARDS							Totals
	1	2	3	4	5	6	7	
Wood . . . . .	50	76	30	48	65	66	195	530
Wood and Concrete . . . . .	2	1	....	....	....	....	....	3
Fireproofed wood . . . . .	....	2	1	1	2	3	2	11
Brick . . . . .	7	6	2	2	4	8	7	36
Brick and Wood . . . . .	1	....	2	1	....	3	2	9
Brick and Concrete . . . . .	2	....	....	1	....	....	1	4
Brick and Stone . . . . .	....	1	....	....	....	....	1	2
Cement Block . . . . .	36	29	25	41	42	59	152	384
Cement Block and Brick . . . . .	....	2	1	2	....	3	....	8
Cement Block and Stone . . . . .	....	....	....	1	....	....	....	1
Concrete . . . . .	3	2	1	1	....	....	1	8
Concrete, brick and wood . . . . .	....	1	....	....	....	....	....	1
Concrete and Iron . . . . .	1	....	....	....	....	....	....	1
Steel . . . . .	1	3	4	4	8	6	10	36

Buildings	WARDS							Totals
	1	2	3	4	5	6	7	
Steel and Wood . . . . .	....	1	....	....	....	....	....	1
Iron . . . . .	....	1	....	....	....	....	....	2
Wood and Iron . . . . .	1	....	....	....	....	....	....	1
Wood and Stucco . . . . .	....	2	....	1	....	....	....	4
Totals . . . . .	104	127	66	103	121	148	373	1042

The number of plumbing permits issued during 1923 was . . . . .	492
Number of permits for plumbing in new buildings . . . . .	225
Number of permits for plumbing in old buildings . . . . .	267
Number of buildings in which soil pipes were tested . . . . .	377

The total estimated cost of new buildings and alterations during the year 1923 was \$3,185,356, while the estimated cost in 1922 was \$3,136,602, showing an increase of \$48,754.

The total number of permits issued during the year 1923, viz 1042, was 29 more than during the year 1922, when 1013 permits for new buildings and alterations were issued, showing an increase of 2.8 per cent.

There has been considerable speculative building of dwellings going on this year, or to be exact there were permits issued for 152 new buildings housing 353 families.

Single family houses have been altered into two family houses and some of the larger houses have been altered into small kitchenette suites. These types of alteration demand very careful inspection and supervision by this department and entail considerable more time than new construction.

On September 1, 1918, the Board of Aldermen of the City of Somerville passed an ordinance requiring a fee to be collected for every building permit issued by this department. In accordance with this, fees collected for building permits during the year 1923 amounted to \$2553.

The Commissioner has under his charge and direction the work of maintenance and upkeep of the eighty-four public buildings of this city and the grounds in connection therewith, all janitors in the city's employ, a force of eleven mechanics who perform most of the work of keeping the buildings in repair, the inspection of installation and care of all elevators, the supervision of construction of all new municipal buildings, the maintenance of the public bathing beach and public municipal baths in the Bennett, and Bingham Schools, and Lincoln Park.

The various activities in connection with the department work require a vast amount of time and attention in order to keep the property in proper condition for occupancy.

### Coal.

As in the past years an invitation was sent out for bids for supplying the necessary tonnage of both Anthracite and Bituminous coal for the city buildings for the winter of 1923 and the spring of 1924.

The contract for bituminous coal was given to the Commonwealth Coal Company of Boston and the contract for anthracite coal was given to the Somerville Coal Company.

Both of the above firms furnished a chemical analysis of the coal which they agreed to supply. A sample from each delivery was sent to the Arthur D. Little Company for analysis and where sample did not equal the required analysis a credit was received.

### Elevators

According to an act of the Legislature, the Building Commissioner is required to have every elevator in the city inspected yearly, and a report of the conditions and necessary repairs made to the State District Police.

Plans and specifications of all new installations of elevators must be filed in this office and certificates of approval granted by the Commissioner.

During the year 1923, there were 151 elevators inspected and 31 orders for repairs to be made to 61 elevators, sent to the owners.

Plans and specifications were filed and applications granted for the installation of 7 new elevators.

### School Buildings

The maintenance and care of the school buildings has, as formerly, demanded the most vigilant attention from this department and the appropriation made for that purpose I believe has been expended carefully and judiciously.

Every year, before the summer vacation arrives, this department sends out a blank to be filled in by both the principals and janitors of the school buildings for all requisitions and repairs needed.

These repairs and requests are taken up with the Superintendent of Schools, and taken care of in the order which he suggests so far as the appropriation will allow.

First are taken into consideration the requests and repairs absolutely needed for the opening of schools in the Fall. Then the others are taken up in the order of their import-



ance. This in itself is a huge task as the wants of every section must be taken into consideration.

Among the necessary repairs taken care of this past year are the following:

Two boilers were retubed. A number of grates were installed and repairs made on 18 other boilers.

Plaster repairs were made in 13 buildings.

Plumbing repairs and new installations were made in several buildings.

New water service with larger main installed in Knapp School.

### CARPENTER WORK:

It is with great pleasure that the Commissioner can report many much needed repairs in all the school buildings during the past summer vacation. Much of this work was accomplished with our own carpenters and a great deal by outside contractors. These repairs consist in general of the following:

Installing window sashes

Replacing window cords

Repairing and tightening furniture

Replacing worn stair treads

Erecting fences

Extensive alterations and changes in several buildings.

At the High School the girls' gymnasium has been altered into two class rooms, new blackboards and lighting fixtures installed, additional heating surface put in to meet conditions, walls and ceiling tinted and new furniture bought.

In basement of North wing the "family metal shop" was changed into a class room and the required new furniture installed.

### PAINTING.

It was possible this year to have several buildings painted both on the interior and exterior, and the Commissioner hopes this coming summer to extend this work. Special attention has been given to the selection of tints for the interior work in order that the best light effects might be obtained in order to relieve any possible eye strain.

Early in the summer invitations were issued to several master painters to submit estimates for interior painting at the Edgerly, Highland, Bingham, Perry, Prescott and Bell School buildings. There were eight bids received and the awards were made as follows:

F. W. Rogers.....Bell and Edgerly  
 Walter J. Godfrey.....Bingham and Perry  
 William Stern.....Highland  
 August Johnson & Co.....Prescott

In the same manner estimates were obtained for exterior painting at the Forster, Perry, Bell, Prescott and High School buildings, and awards were made as follows:

William Stern.....High School  
 F. M. Rogers.....Forster and Prescott  
 James L. Flynn.....Perry and Bell

The cost of this painting was \$6480.

On all school buildings the outside doors were repainted, all basements were whitewashed, all toilet seats painted with white enamel, and in several buildings the entire toilets were repainted.

The interior of the Proctor and Bennett Schools have been painted and varnished by the painter employed by this department.

About 3000 desk tops and over 75 teachers' desks and tables were refinished and varnished. Over 1500 students' chairs were refinished and varnished.

WINDOW SHADES.

The shade problem is another big item in connection with the maintenance of buildings. During the past year in twenty-four of the buildings, over 400 new shades have been installed replacing torn or otherwise damaged ones.

GLASS SETTING.

The replacing of broken glass is one of the big items in connection with the maintenance of School Buildings. During the past year it has taken most of the time of one painter to reset broken glass.

LIGHTING.

At the High School further installation of indirect lighting has been carried out so that rooms used for evening school now have a very efficient lighting arrangement .

Owing to the opening of several of the school buildings for social center and evening school work the Commissioner found it necessary to install electric lights.

The Bennett School has been fitted out with a service of sufficient size to take care of the entire building, but at the present time only the Halls, Basements, Toilets and other rooms used in the evening have been fitted with fixtures. The same arrangement has been completed at the Morse and Bingham Schools.

There have been several changes in the lighting system of other buildings which practically completes the electrical program for the year.

As there are several of the older buildings in the city that are very much in need of adequate means of lighting, it is the hope of the Commissioner to continue this work during the coming summer and be able to report several other buildings completed in the next annual report.

### HEATING.

Many necessary repairs have been made to the heating plants of several buildings during the past summer and there are still more repairs and changes which we desire to make in order that the plants may be more effective.

At the Lincoln School the boiler was repaired and enlarged so that this year it has not been necessary to close school on account of cold rooms. Two boilers have been re-tubed and a number of grates installed together with repairs on eighteen other boilers.

In several buildings steam repairs have been made owing to leaky and defective pipes or fittings.

The fire boxes and practically all boiler settings have been repaired or renewed.

Fuel savers have been tried in several of the buildings with no marked success.

The Commissioner would recommend a system of heat control be put into the High School, also direct radiation installed in that part of High School known as the Latin Annex. The installation of this equipment would mean a great saving of coal as well as avoiding overheated class rooms.

Also the installation of a steam heating system at the Morse School doing away with the seven antiquated furnaces now in use.

### BLACKBOARDS.

At the High School, new slate blackboards and mouldings were installed in the new basement rooms.

In the older buildings where paper blackboards are still

used, which have to be resurfaced practically every year, repairs were made by the Baker School Speciality Company of West Somerville, at a cost of \$195.49.

## ROOFS.

Roof leaks were taken care of, several gutters and conductors replaced and other roof repairs made on several buildings by our own mechanic.

The High School roof has been extensively repaired during the past year. The roof of the auditorium has been flashed up from the gutter several feet with copper to prevent backups which have caused the unsightly condition of walls.

The roof of the Bennett School, together with the metal cornice, have been thoroughly repaired and should last many years.

Repairs were made to the roof gutters and conductors at the Knapp School, and this roof is now in good condition.

There is a possibility during the coming year of the necessity of replacing the entire slate roof on at least two buildings and also one tar and gravel roof.

## BASEMENT FLOORS.

During the past summer new cement floors have been laid in the Cummings, Forster, Pope and Prescott Schools to replace old worn out and defective floor coverings, thus giving a smooth, clean surface.

## SCHOOL YARDS.

The resurfacing of the school yards is another problem of importance to this department.

After trying out brick paved, asphalt covered and Macadam prepared yard coverings, and finding them not entirely satisfactory owing to the danger of children falling on same, the commissioner, after further investigation of this subject, has come to the conclusion that a Tarvia prepared surface is the best, as this surface remains smooth and clean.

During the past year the yards of the Perry School, Durrell School with the additional ground purchased by the city for playground purposes, and the Cummings School yards have been resurfaced. These yards will have a smooth resilient surface from which the danger of a child getting hurt is obviated.



## FURNITURE.

Owing to changes in some of the school buildings, it has been necessary to change several rooms of furniture during the past year.

A number of new teachers' desks and chairs have been purchased and a great many new pupils' desks and chairs have been installed to replace damaged or worn out furniture.

At the High School over 100 new Oak chairs, several type-writing desks and chairs, new teachers' desks and tables and 150 new tablet arm chairs have been purchased.

The new auditorium at the Western Junior High School which was completed this year was furnished with 1000 new folding chairs, stage curtains and other fittings.

The new addition to the Southern Junior High School was completed this year and 6 rooms fitted with fixed furniture, 1 sewing room, and two shop rooms fitted with benches, fixtures, etc. This change required changes also in the old Bell School building and several additional rooms were fitted with fixed furniture.

In preparation for the opening of the new Northern Eastern Junior High School containing 34 rooms and auditorium, invitations for bids for furniture were sent to various concerns. These prices have been received and contracts awarded for future delivery when building is completed.

Owing to a change in grades new furniture was purchased and installed in one room each of the Glines and Knapp Schools.

## FIRE ALARM.

The Commissioner has been trying for several years to establish a new system of Fire Alarms at the various school houses.

The bell type of fire alarm was not very satisfactory as the bells were used for various calls in school work, and it seemed advisable to replace them with something which would be distinctly a fire gong, that is, one which both teachers and pupils could distinguish immediately as a fire signal.

In the High School, a new system was installed consisting of thirteen 9"—110 volt fire alarm horns, with four stations, one on each floor, from which the signal for operating can easily be given by breaking the glass. This system is a great improvement on the bell system as it is immediately recognized as a fire signal. This fire alarm is directly connected with the Electric light system and not dependent on batteries.

This system has also been installed in the Morse, Lowe and Prescott Schools.

It is the hope of the Commissioner to be able to equip other school buildings in a similar manner this year.

#### Fire Department Buildings

There have been numerous repairs and improvements made in the fire buildings of the city.

At Engine Three a new platform and drill landing has been erected in rear of building.

At Engine 6 and Ladder Two apparatus doors have been repaired.

At Engine Four the floors have been strengthened to accommodate the new motor apparatus that has been installed in place of the lighter horse drawn apparatus.

Interior painting has been done in Ladder Two, Engine Six and the Central Fire Stations.

The recreation and sleeping rooms of Engine Four have been painted.

The Commissioner recommends the following considerations for this coming year

Removal of the gas heaters used for heating water, and the installation of tanks connected with a coal heater, of sufficient capacity for summer use, and connected with the heating plant for winter use. This would mean a great saving of gas, which is at present quite an expense.

I urgently recommend that Engine Four building be replaced by a new one as it is in such bad shape that it does not seem wise to spend much on repairs. As a fire station is needed in this vicinity, I recommend that this station be torn down and a new one built on less valuable land, and this lot sold for commercial purposes. Much of the material in the old building could be made use of in a new one.

#### Municipal Buildings

Considerable work has been done by this department in fitting up new quarters for the different departments owing to the remodeling of City Hall.

The old Alderman's Chamber was cleared out and furniture stored, making use of the room for the Treasurer's and Assessor's office force.

Owing to the lack of vault space four new safes of large dimensions were obtained and installed.

The office of the Building Commissioner was moved to a portion of the office of the Overseer of the Poor, City Hall Annex.

The Auditor was moved to the office formerly used by the Building Commissioner.

The Highway department was moved to the private office of the City Clerk.

The Engineering department was moved to the office of the assessors and one formerly used as a private office by the Water Commissioner.

The Clerk of Committees and the City Messenger were moved to the private office of the Sealer of Weights and Measures.

The contents of the several vaults were moved to the fire-proof vault of the Central Library.

While the remodeling has been going on the Aldermen have met at the High School Auditorium.

Several changes in the lighting system and additional fixtures have been necessary to accommodate the different departments owing to these changes.

The new wing and rear of old building is now nearly completed, and will be occupied in the near future. Immediately work will be begun on the old City Hall, putting in new floors of fireproof construction and carrying out the style of architecture of the new building.

The new building when completed will be first class construction throughout with commodious offices and available vault space very much needed.

The main entrance will face the parkway with another entrance to the basement on the School Street side.

The new building will be heated from the Central Heating plant from which the heat is now generated for the City Hall Annex and High School.

#### Libraries

Very few repairs have been made to the library buildings this year.

The interior of the Central and West Somerville Branch Libraries are in such a condition that they will need painting throughout in the near future.

The roof of the Central Library has been repaired during the past year.

Considerable new furniture has been bought.

#### Water, Highway and Sanitary Buildings

##### WATER BUILDINGS.

New windows have been installed in shop making a very fine workshop.



A new office has been built taking in the old office and part of the barn not in use. New lighting and heating apparatus have been installed, making a very light and commodious office which was much needed by this department.

A new storage building is nearing completion for the storage of heavy valves and fittings. This building will be equipped with a one ton crane for loading the material on trucks as needed.

### HIGHWAY BUILDINGS.

Two large sheds have been closed in for garage purposes. New steam heating equipment and electric lighting installed. A new tar and gravel roof has been laid on the garage.

Several minor repairs such as new stall bottoms, floor repairs, window cords, electric lighting and plumbing have been taken care of during the year.

### SANITARY BUILDING.

New stall bottoms were installed in all stables.

Several changes and repairs were made in the electric lighting system.

Extensive plumbing repairs were needed during the past season, the most important being the renewal of the water and soil pipe which had become badly corroded at the stable.

### Hospital

General repairs have been made to the hospital buildings. The outside of the buildings have been painted, and quite a little carpenter work completed before painting.

Several hundred feet of fence surrounding these buildings was rebuilt.

A change in the heating system was made so that in mild weather only one boiler need be used instead of two as formerly.

The kitchen, dining room and corridor in quarters for help have been thoroughly renovated and painted.

The Commissioner hopes to be able to paint a great deal of the interior of the hospital this year.

### City Home

Many very much needed repairs have been completed on this building during the past year.

New gutters and conductors were installed on the build-



ing. New sash and blinds put on to replace the old and broken ones. Clap-boarding repaired, replaced and renailed. New fence built, and new floor laid in stable.

Buildings repainted on the exterior.

Considerable interior painting has been done during the past year but there is still quite a little more to be taken care of during the coming year.

Chimneys have been rebuilt and repointed.

I would recommend the removal of the old wooden fence along the boulevard and the substitution of a chain link wire fence which would make a much more sightly fence on this much travelled roadway.

#### Police Buildings

Considerable repairs were made during the past year. Many new pieces of furniture have been purchased to replace worn out material.

#### Bath House

The public bathhouse on the Mystic River at Wellington Bridge was opened and maintained as usual this year with a good attendance.

About 500 tons of sand were purchased for resanding the beach.

This particular recreation has been a great help during the hot spell of the past season to many mothers and children. It is a common sight to see mothers and children arriving at the beach as early as 9 o'clock with their lunches to spend the entire day.

The Commissioner regrets that his appropriation is not large enough to allow him to have the mud bar dredged in front of the beach, thus allowing bathing facilities even at low tide.

The attendance at the beach during the warm weather has sometimes exceeded 1000 a day.

#### Park Buildings

The total amount expended on our Park Buildings during the year 1923 was \$3250.79, and of this amount only \$772.90 was spent for actual repairs, the greater portion having been spent for salary of attendant, fuel and light, laundry and supplies, and one large item, the boiler and storage tank at Lincoln Park.

A new building has been erected on the Richard Trum Field during the past year at a cost of \$5172.00. This building provides comfort stations for men and women and a storage space for the Park department on the Broadway level.

Also a large dressing room, shower bath and heater room on the playground level.

At Lincoln Park a new heater has been installed together with 500 gallon hot water storage tank to take care of Shower baths.

At Dilboy Field the dressing rooms under the stands have been renovated, new sheathing on walls, new floors laid, new toilet facilities and electric lights installed.

#### In General

The Building Commissioner has had the co-operation of all branches of the City Government, including His Honor, the Mayor, the honorable members of the Board of Aldermen and all the city officials, and desires to thank them for their kindly consideration.

Respectfully submitted,

GEORGE L. DUDLEY,

*Commissioner of Public Buildings.*

## REPORT OF THE CITY ENGINEER

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OFFICE OF THE CITY ENGINEER,  
CITY HALL, SOMERVILLE, JANUARY 20, 1924.

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—In accordance with the city ordinances, the following report of the work done and expense incurred for the year ending December 31, 1923, by the Engineering Department and appropriations under my charge and supervision, including the accounts of city engineer, sewers construction, sewers maintenance, parks maintenance, playgrounds maintenance, and other public works, is herewith presented:—the 51st annual report—my twenty-eighth report as city engineer.

### ENGINEERING DEPARTMENT

In previous reports the general work, charter requirements and city ordinances relating to the duties of the city engineer have been fully described—he shall be consulted in relation to public improvements of every kind when the advice of a civil engineer would be of service—and no pipes, conduits, railway tracks, poles or other structures shall be placed beneath or upon the city streets unless a plan showing proposed location thereof has first been approved by the city engineer. City engineer is also Supt. of Sewers and Supt. of Parks and grounds.

New construction work in general has been carried on more extensively during the past year than any time since the World War.

Divisions	Appropriations and Credits	Expenditures	Balances
City Engineer . . .	\$13,100 00	\$12,908 45	\$ 191 55
Parks Maintenance . .	11,200 00	11,185 76	14 24
Playgrounds Maint. . .	6,600 00	6,545 13	54 87
Sewers Maintenance . .	24,000 00	23,067 79	932 21
Sewers Construction . .	8,756 38	\$262 80	5,525 93
Stock Account . . . . .		223 60	3,401 85
			315 00

(Expenditures in the various divisions are shown in detail in the City Auditor's annual report.)

## CITY ENGINEER DIVISION, CLASSIFICATION OF EXPENDITURES, 1923.

Sewers and Storm Drains,—comprising surveys, estimates, profiles, lines, grades, titles, plans, assessments, all engineering work relating to same and supervision . . . . .	\$ 877 55
Highways,—comprising plans, estimates, titles, profiles, lines and grades, inspection of paving and all other engineering work relating to the department . . . . .	1,082 89
Sidewalks,—comprising profiles, lines, grades, measurements, inspection, titles, costs and assessments . . . . .	318 31
Water Works,—comprising lines, grades, locations of mains, gates, hydrants, services and other matters relating to the department . . . . .	406 26
Parks and Playgrounds,—comprising surveys, plans, estimates, profiles, and grades, including laying out of parks, playgrounds, boulevard and supervision . . . . .	308 20
Public Buildings,—comprising surveys, estimates, lines and grades, and other work relating to construction and laying out of grounds . . . . .	208 34
Street Numbering,—comprising locations of buildings, plans, assigning street numbers, etc. . . . .	346 07
Street Lines and Grades,—comprising establishing of lines, grades, and miscellaneous data given parties for building and grading . . . . .	415 60
Bridges and Grade Crossings,—comprising surveys, plans, profiles, estimates, lines and grades, etc. . . . .	38 00
City Survey,—comprising establishing of street lines, acceptance plans, and miscellaneous survey work for city map, etc. . . . .	392 07
Middlesex Registry and Land Court,—comprising copying of plans, and abstracts from deeds and examination of titles filed at East Cambridge, also tracing of street acceptance and sewer taking plans, filed for record . . . . .	148 84
Private Corporations, Railway, Telephone, Electric Light and Gas Light Companies,—comprising grades, plans, profiles and office notes, locations of poles and conduits . . . . .	186 33
Setting Stone Bounds and Brass Rods,—defining street lines and city boundary lines . . . . .	13 06
Office Work,—comprising record of all locations, indexing, typewriting, bookkeeping, calculations, reports, and general draughting . . . . .	1,562 00
Miscellaneous Work,—comprising designs, sketches, etc., relating to various schemes for committees . . . . .	15 83
Holidays, Vacations and Sickness . . . . .	857 65
National Guard Duty . . . . .	64 00
Engineering,—General Departmental expenses (all divisions) comprising city engineer's salary, auto, telephone, car fares, and supplies . . . . .	5,667 45
Total . . . . .	<u>\$12,908 45</u>

Value of field instruments, tools and office instruments,  
\$1,500.00.



The total cost of maintaining the Engineer's Division since it was established, 1872-1923 both years inclusive, has amounted to \$451,371.00.

Five assistants have been employed the greater part of the year, on engineering work.

A number of plans were made during the year for street acceptance and six streets have been accepted as public highways, under the betterment act.

There are plans for acceptance of eleven private streets on file in this office, that for various reasons have not been made public ways.

Surveys, calculations, estimates and plans have been made for taking land, buildings and private property for School house purposes in certain sections of the city and borings and tests made by this department to determine the character of the soil for the foundation of proposed buildings to be erected on the areas taken.

The improvement of Medford Street (between Washington Street and Central Square) has been accomplished by widening the roadway and narrowing the sidewalks eighteen inches on either side of the street, placing overhead service wires in underground conduits and removing old poles from the street.

At the junction of Prospect Street, Webster Avenue and Concord Avenue a widening of the roadway has been made by the taking of private land, improving the traffic conditions, and adjacent to this locality—the Prospect Street wooden bridge over the steam railroad tracks—is to be partially reconstructed, by building an overhanging sidewalk on the east-erly side, thereby widening the roadway.

The junction of Broadway, Walnut Street and Fellsway West has been named George Cedric Stimpson Square.

Some of the old main thoroughfares should be renumbered their entire length, so as to eliminate half numbers and letters now being used.

STREETS ACCEPTED AS PUBLIC HIGHWAYS IN 1923, UNDER THE BETTERMENT ACT.

Name of Street	Ward	From	To	Width in ft.	Length in ft.	Date of Acceptance
Chetwynd Road . . . . .	7	Curtis Street	West Adams Street . . . . .	40	852	July 6, 1923
Dow Street . . . . .	7	Powder House Blvd	Ware Street . . . . .	40	257	Jan. 3, 1923
High Street . . . . .	7	North Street . . . . .	Alewife Brook Parkway	40	679	Dec. 28, 1923
Lewis Street . . . . .	2	Magnus Avenue . . . . .	Dead End . . . . .	40	416	Dec. 28, 1923
Parkdale Street . . . . .	2	Washington Street	Lewis Street . . . . .	40	500	Dec. 28, 1923
Sterling Street . . . . .	7	North Street . . . . .	Alewife Brook Parkway	40	816	Dec. 28, 1923
Webster Avenue and (Junction)						
Prospect Street . . . . .	2	Street Widening . . . . .	Westerly side			July 6, 1923
Total . . . . .			(0.67 Miles)		<u>3,517</u>	

Summary.—Public streets 86.36 miles (includes 1.406 miles of City Boulevard and Park Roadways, 2.331 miles of State Boulevard (Metropolitan Park Commission), and 1.596 miles State Highway); private streets 14.53 miles.

Total length of streets in the city 100.89 miles.

In the 1910 report, tables were published showing old names of certain streets as formerly known, and names of public squares in the city; the names of some of these squares having been changed recently.

#### Length of Public Streets in Each Ward.

	Miles
Ward one . . . . .	10.824
Ward two . . . . .	9.912
Ward three . . . . .	7.630
Ward four . . . . .	10.026
Ward five . . . . .	12.540
Ward six . . . . .	13.795
Ward seven . . . . .	21.630
	<hr/>
Total length of public streets in the city . . . . .	86.357

Street "Markers"—(Stone Bounds) (Brass rods set in cement sidewalks).

1923—2 stone bounds set northeast side Princeton Street.

Stone bounds have been reset 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.

In the 1907 report a table was compiled from old reports, maps, and office notes, showing the location of stone bounds; the year when set, and whether existing or removed from 1860 to 1907 inclusive, and additional lists in the reports of 1908, 1910, 1911, 1913, 1919, 1920, 1921, and 1922 will show location of all street bounds set to 1924.

There are at the present time a total of 662 bounds or brass rods set for defining street lines.

Seven new streets have been constructed, under the betterment act, with a bituminous macadam wearing surface, concrete gutters and granite edgestone, at total of 3,229 feet (0.61 mile).

The average cost of this type of construction complete, for 40 ft. width streets, was \$11.34 per linear foot.

Assessments have been levied on abutting property own-

ers for approximately one-half of the cost of constructing these streets.

Re-cut granite block pavement has been laid on a concrete base with a cement grout in sections of Somerville Avenue, Prospect Street and Medford Street; 14,123 square yards (5,803 feet in length) of this type of pavement were constructed by contract. In conjunction with this paving the street railway company also relaid approximately 1,898 square yards re-cut granite paving between rails where tracks existed and new tracks added.

In constructing the granite pavement, new bituminous streets and granolithic sidewalks, 6,694 feet (1.27 mile) of new edgestone was set.

The total length of permanent paved streets in the city amounts to 18.54 miles.

Permanent street pavement should be extended as rapidly as possible, using old granite blocks, re-cut and laid on a concrete base—the best and most economical pavement for this city.

Grades were given and measurements taken for the reconstruction of two streets with a bituminous wearing surface, a length of 3,082 feet,—two sections of Broadway were reconstructed, laying Warrenite Bitulithic wearing surface on top of the old concrete street surface, a length of 1,800 feet (8,819 sq. yds.)

TABLE OF STREET CONSTRUCTION

	Square Yards	Miles
*Streets paved with granite blocks . . . . .	158,738	7.04
**Streets paved with concrete . . . . .	22,889	1.34
†Streets paved with asphaltic top . . . . .	32,428	1.90
Streets paved with vitrified brick . . . . .	20,958	1.29
Streets paved with "Bi-co-mac" . . . . .	10,100	0.77
Streets paved with bitulithic (patent) . . . . .	11,009	0.64
Combination pavement (concrete base with bituminous top) . . . . .	82,877	5.58
‡Streets macadamized (bituminous binder) . . . . .		44.40
Streets macadamized (water bound) . . . . .		22.61
Streets graveled or unimproved . . . . .		15.32
<b>Total</b> . . . . .		<b>100.89</b>

\*Also 32.5 miles (single track) electric railway paved with granite, asphalt, bitulithic, etc.

\*\*Includes 0.42 mile state highway.

†Includes 1.16 miles of state highway.

‡Includes 1.406 miles of city boulevard and park roadways and 2.331 miles of state boulevard (Metropolitan District Commission, Park Division.)



There are a number of crossings in this city at intersecting public thoroughfares, where the corners should be cut back and the roadway widened for the safety of traffic and improvement in appearance.

Lines and grades were given and measurements taken for constructing twenty-eight new granolithic sidewalks—6,323 square yards (2.052 miles), and assessments were computed, the abutting property owners paying one-half the cost on seventeen sidewalks, the remainder the entire cost. The greater part of this work was done at an average cost of \$2.94 per square yard.

In laying out new work, under orders passed for construction of sidewalks, etc., occasionally portions of buildings and fences are found to be encroaching on the sidewalk and on some of the old rangeways these encroachments have existed for many years; as improvements are made, the full width of sidewalk should be maintained.

In sections of the city where brick sidewalks have been laid many years, and must necessarily be relaid on account of deterioration and unevenness, granolithic should be substituted in place of brick.

Miles of Edgestone, Granolithic, Gravel and Brick Sidewalks in Each Ward.

	Edgestone	Gravel	Brick	Granolithic
	Sidewalk	Sidewalk	Sidewalk	Sidewalk
Ward one . . . . .	20.159	3.478	11.898	5.090
Ward two . . . . .	17.140	6.034	6.386	4.240
Ward three . . . . .	14.325	0.906	11.545	1.968
Ward four . . . . .	15.435	1.125	9.696	4.420
Ward five . . . . .	22.716	4.399	12.155	6.056
Ward six . . . . .	25.432	3.829	10.668	11.549
Ward seven . . . . .	33.955	1.008	8.349	24.061
	<u>149.162</u>	<u>20.779</u>	<u>70.679</u>	<u>57.384</u>

(Details, etc., streets and sidewalks in report of Street Commissioner).

The Boston Elevated Railway Company has made extensive repairs in its roadbed in this city during the past year, replacing long sections of old tracks with new and heavier rails. The double tracks have been reconstructed in Broadway between the Boston City line and Fellsway East, the tracks being raised to conform with the city's street; similar work was done in College Avenue between Powder House Square and Medford city line, and tracks relaid in Somerville Avenue and Medford Street where the city laid granite block paving—all paving between rails being granite blocks, grouted

with Portland cement, laid on a concrete base. Additional catch basins have been constructed within the track location.

There are, however, a number of miles of trackage, orders having been granted for widening in the city's main thoroughfares, where the old granite block pavement, within the railroad location should be relaid and grouted with cement and additional catch basins constructed between the rails to relieve the flooding of sections of certain streets in times of heavy storms. There are 32.5 miles of electric railroad (single track length) at the present time in the city's streets. A considerable length of high power cables have been placed in underground conduits.

Plans have been made by the various companies 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;—the work of placing overhead wire in conduits, underground, and removing poles from the streets should be extended as rapidly as possible.

In the city's squares overhead wires should be placed underground, immediately, and practically all poles (except for lights) removed—on the main thoroughfares many of the existing poles should be eliminated, at the present time, being unnecessary.

A special ordinance should be enacted concerning city inspection on all underground work done by private companies or corporations and regulation as to method of street openings.

At the present time there are underground in the city's streets 18.13 miles of telephone conduits, 13.16 miles of electric light conduits, 4.46 miles of electric railway conduits, and about 10.46 miles of underground conduits used for the city's wires.

The Cambridge and Charlestown gas companies have respectively 65.22 and 28.23 miles of gas mains in the city's streets.

Lines and grades have been given for laying new city water mains. 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 water works maps corrected to date; also a large number of old water services where new meters were installed, have been located and recorded.

A number of the locations of old hydrants, gates, etc., have been found to be incorrect, a few having been removed entirely; a new survey of the entire distribution system should



be made and the maps and office records compiled. (Length of water mains, details, etc., in report of Water Commissioner).

Lines and grades have been given for the erection of city buildings and plans and sketches made for the laying out of surrounding grounds:—a special plan being made showing a proposed development of the West Somerville Junior High School grounds for athletic purposes.

Plans have been made where accidents have occurred on the city work, or where boundaries were in dispute and special plans and data prepared for the city solicitor's use in court cases, miscellaneous data compiled relating to the sewers, highways, bridges, etc., in this city for various state departments: and Federal, State and Municipal hearings attended where information was required.

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.

A skeleton map of the city is on file in this office showing steam and electric car lines, principal streets, public buildings and locations of principal industries:—also special maps showing buildings and areas built upon previous to 1872 (when a town) and at the present time (a city more than 50 years).

A set of block plans should be made covering the entire city area, from accurate surveys made during the past twenty-five years, and carefully 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 city departments. Five of these sectional plans have been partially made. A separate appropriation should be made for completing these plans.

Total number of plans on file in the office approximately eight thousand five hundred.

For the immediate improvement of conditions in this city the highway bridges and approaches over the steam railroads should be rebuilt the full width of the street at Broadway, (North Somerville) Prospect Street and Washington Street,

near Union Square; and the steam railroad bridge over Washington Street (East Somerville) reconstructed with increased head-room for street traffic,—the dangerous railroad grade crossing at Park Street should be abolished, as decreed by the courts a number of years ago.

I respectfully refer to some of the more important recommendations and suggestions made in reports of the city engineer for a number of years past, which are for the improvement of conditions in this city.

COMPILED TABLE OF AREAS, USEFUL FOR VARIOUS DEPARTMENTS, SHOWING A SUB-DIVISION OF CITY'S ACREAGE.

Land and water, total area city . . . . .	2700	acres
Water . . . . .	100	acres
Streets . . . . .	480	"
Boulevards—City and State . . . . .	22.5	"
Squares . . . . .	9	"
Steam railroads, locations . . . . .	90	"
Freight, distribution areas . . . . .	26	"
Parks . . . . .	38	"
Athletic fields and playgrounds . . . . .	38	"
(28) Schoolhouse lots . . . . .	21	"
( 7) Fire station lots . . . . .	2.5	"
Miscellaneous city building lots and institutions . . . . .	28	"
42) Church lots . . . . .	13.5	"
(20) Large manufacturing and mercan- tile plants . . . . .	100	"
Tufts College Land . . . . .	41.5	"
Areas vacant and refilled marsh land . . . . .	100	"
	<hr/>	1110 acres
Approximate dwelling area built upon . . . . .	1590	acres
Approximate number of dwellings in city, 14,500.		
Average area to a dwelling about 4,800 square feet.		

### SEWER DIVISION

The designing and constructing of sewers, storm drains, catch basins, house drains, etc.,—maintenance of the drainage system and other items in this division are under the direction, supervision and control of the city engineer.

Sewers were petitioned for and constructed during the year in newly laid out streets, where real estate owners commenced extensive building operations; approximately 130 new two-family houses and a few single houses were erected the past year on these streets.

The Boston Elevated Railway Company constructed a



storm drain outlet extension across marsh land discharging into Mystic River, in the easterly part of the city, on account of filling in and improving their property.

CONSTRUCTION ACCOUNT, STATEMENT OF EXPENDITURES,  
1923.

Labor (city dept.) . . . . .	\$2,047 30
Labor (contract) . . . . .	622 73
Teaming . . . . .	421 96
Materials and Supplies . . . . .	2,525 34
	<hr/>
Total Expenditure . . . . .	\$5,617 33
Materials from Stock (1922) . . . . .	223 60
	<hr/>
	\$5,840 93

CLASSIFICATION OF EXPENDITURES.

Constructing sewers (separate system) . . . . .	\$1,758 70
Constructing storm drains . . . . .	522 39
Constructing catch basins . . . . .	2,390 97
Constructing manholes on sewers . . . . .	591 07
	<hr/>
Cost of new work . . . . .	\$5,263 13
Materials for other depts. . . . .	262 80
Materials on hand December 31, 1923 . . . . .	315 00
	<hr/>
Total . . . . .	\$5,840 93
	<b>CREDIT.</b>
Appropriation . . . . .	\$6,000 00
Balance unexpended, 1922 . . . . .	2,756 38
Received for materials, other depts . . . . .	262 80
Materials on hand January 1, 1923 . . . . .	223 60
	<hr/>
Total . . . . .	\$9,242 78
	<hr/>
Balance unexpended (over to 1924) . . . . .	\$3,401 85

Three sewers were completely constructed and one partially built during the year and also storm drains; a length of 2,206 feet (0.42 of a mile) of 20" and 8" pipe, part of the work being done by department labor, the remainder by contract. (See attached tabular statement for 1923, showing itemized account of work.)

The total length of the city's drainage system is 115.344 miles, and the entire cost of construction including catch basins has amounted to about \$1,382,374.00, exclusive of the amount paid to the state for assessments for the construction of the North Metropolitan sewerage system.

The city's assessment for the Metropolitan sewerage system for the past year was \$52,644.57 on construction account

and \$53,537.71 for maintenance and operation, and the total amount paid the Commonwealth of Massachusetts for this state sewer has been \$1,814,185.06 (1892-1923, both years inclusive). The total length of the Metropolitan sewerage system mains running through the city amounts to 3.475 miles.

There are within the city's limits thirteen connections with the North Metropolitan state sewerage system, also four outlets through the city of Cambridge and three outlets through the city of Medford. The locations of the connections of the city's mains with the state sewer are shown in the 1912 report, and details of construction in previous reports.

The 1918 report contains a compiled table of Storm Drains constructed to 1919 showing length, cost, date of construction, district benefited, etc.

Twenty-one catch basins have been constructed in the highways during the year, making a total of 2,076 basins in the city for street drainage purposes, constructed and maintained as follows:—

By the city (sewer division):—

Located in streets and subways . . . . .	1,884	basins
Located in city boulevard . . . . .	33	"
Located in parks (17) and other city lots (12)	29	"
	<hr/>	
Total catch basins constructed and maintained by the city . . . . .	1,946	
By Boston & Maine Railroad Company on railroad locations . . . . .	36	basins
By State, located in boulevards and highways . . . . .	130	"
	<hr/>	
	166	
	<hr/>	
Total catch basins in the city for storm drainage purposes . . . . .	2,112	

The "separate system" sewers should be extended in the older sections of the city each year, as the appropriation will allow, and storm drains completed in certain localities as previously recommended:—especially in the North Somerville District, including Morrison Avenue-Highland Road area and the B. and M. railroad valley; and at the East Cambridge line extending from the Somerville Avenue sewer and discharging into Miller's River.

Sidewalk sewers in Mossland Street should be constructed immediately and a section of the old sewer in Poplar Street reconstructed, relieving the continuous blocking of house drains under existing conditions.

The city's drainage system will be greatly improved when all the foregoing changes are made and construction work completed.

**MAINTENANCE ACCOUNT, STATEMENT OF EXPENDITURES,  
1923.....**

Labor (includes \$122.50 contract) . . . . .	\$12,040 21
Teaming . . . . .	9,737 22
Equipment and Supplies . . . . .	908 81
Repairing property and tools . . . . .	381 55
	<hr/>
Total Expenditure . . . . .	\$23,067 79

**CLASSIFICATION OF EXPENDITURES**

Maintenance of sewers, including cleaning, flushing, supervision, etc. (115.3 miles) . . . . .	\$6,449 23
Maintenance of catch basins, cleaning, and flushing, supervision, etc. (1946) . . . . .	12,441 19
Maintenance of storm water pump, Medford Street . . . . .	137 82
Changing line and grade and repairing catch basins . . . . .	529 71
Changing line and grade and repairing man-holes . . . . .	124 64
Repairing old sewers . . . . .	700 99
Inspection and location or house drains . . . . .	894 17
New tools and supplies . . . . .	701 23
Repairs of tools and property . . . . .	226 55
Maintenance of sewer division yards . . . . .	792 50
Telephone (2) . . . . .	69 76
	<hr/>
Total Expenditure . . . . .	\$23,067 79

**CREDIT**

Appropriation . . . . .	\$24,000 00
	<hr/>
Balance unexpended . . . . .	\$932 21

Value of tools and property on hand, maintenance of Sewers, \$2,000.00.

A permanent force of men, varying in number from eight to thirteen per week, 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, storm drains and catch basins are added to the system, and the distance increased to the dumping places, which are fast diminishing, only two being available at present.

TABULAR STATEMENT OF SEWERS AND STORM DRAINS BUILT IN 1923

LOCATION				ITEMS OF CONSTRUCTION AND COST																			
Name of Street	From	To	Contractor	Material Excavated	Average Cut	SEWER		SUB-DRAIN		ROCK EXCAVATION		MANHOLES		Number of Inlets	COST PER LINEAR FOOT						Total Cost	Assessment	Cost to City
						Size in inches	Length in feet	Size in inches	Length in feet	Cubic yards	Price per yard	Number	Average Cost		Excavation Pipelaying and Refilling		Pipe, Cement, etc. including Sub-Drain	Engineering and Inspection	Lumber	Average Cost per Linear Foot			
															Sewer or Storm Drain	Sub-Drain							
Hillsdale Road Sewer .....	Sunset Road	Upland Road	City—Day Labor	Gravelly Hardpan	7'-10"	8	199.7	.....	.....	.....	.....	.....	.....	12	\$1.68	.....	\$0.58	\$0.08	.....	\$2.33	\$466.14 498.38 (1922) 774.85	\$1,739.37	.....
Upland Road Sewer .....	Hillsdale Road	Easterly to Sewer Built 1922	City—Day Labor	Gravelly Hardpan	6'-7"	8	375.0	.....	.....	.....	.....	1	\$108.24	17	1.28	.....	0.53	0.03	.....	2.07			.....
Hillsdale Road Storm Drain .....	Sunset Road	Upland Road	City—Day Labor	Gravelly Hardpan	6'-11"	8	200.0	.....	.....	.....	.....	.....	.....	13	0.17	.....	0.38	0.03	.....	0.58	115.38	.....	\$115.38
Upland Road Storm Drain .....	Hillsdale Road	Easterly to S. D. Built 1922	City—Day Labor	Gravelly Hardpan	5'-8"	8	375.0	.....	.....	.....	.....	See Sewer	See Sewer	17	0.18	.....	0.42	0.02	.....	0.69	260.53	.....	260.53
Rose Street Storm Drain .....	Centre of Wash St. (Combined Sewer)	Manhole in Washington St. Sidewalk	City—Day Labor	Sand	9' 0"	8	23.4	.....	.....	.....	.....	.....	.....	.....	4.67	.....	1.59	.....	.....	6.26	146.48	.....	146.48
Trum Playground Sewer .....	Cedar Street	Easterly	City—Day Labor	Clayey Hardpan	4'-10"	8	325.0	.....	.....	.....	.....	.....	.....	.....	0.94	.....	0.66	.....	.....	1.59	517.71	.....	517.71
Laurel Terrace Sewer .....	Private Lands Sewer	Easterly and Westerly	John D. Collins	Filling	7' 0"	8	148.0	.....	.....	.....	.....	1	.....	7	.....	.....	.....	.....	.....	.....	Materials and Labor Furnished By Owner	.....	.....
Land of Boston Elevated Ry. Storm Drain .....	Mystic River	No. Union St. Ext. Built 1894	Private Contract	Filling	12' 0"	20	551.0	.....	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	Materials and Labor Furnished B. E. Ry.	.....	.....

2197.1 (0.416 Miles) Sewers and Storm Drains

\$2,281.09 \$1,739.37 \$1,040.10  
498.38 (1922)

Total length of public sewers in the city Jan. 1, 1924 . . . . . = 507,113.9 feet = 96.044 miles  
 Total length of private sewers in the city Jan. 1, 1924 . . . . . = 34,896.0 feet = 6.609 miles  
 Total length of sewers in the city Jan. 1, 1924 . . . . . = 542,009.9 feet = 102.653 miles  
 Total length of storm drains in the city Jan. 1, 1924 . . . . . = 66,998.6 feet = 12,689 miles  
 Total length of the city drainage system Jan. 1, 1924 . . . . . = 609,008.5 feet = 115,342 miles  
 Total length of Metropolitan sewerage system mains in the city . . . . . = 3,475 miles



TABLE

	NAME	DATE
1	...	...
2	...	...
3	...	...
4	...	...
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This question of scarcity of dumping places has confronted the city for some time and various schemes have been considered for efficient and economical methods of disposal but no feasible plan has been provided.

Approximately 3,360 cubic yards of material have been removed from the catch basins and hauled to dumps during the year, at an average cost of about \$3.70 per cubic yard (\$1.60 removal—\$2.10 teaming) and the average cost per mile for cleaning and flushing the drainage system, including catch basins, has amounted to about \$164.00. There are about twenty catch basins (average) to a mile of roadway in this city and the approximate cost of cleaning, flushing, and general maintenance per basin has been \$6.40 the past year.

Another demonstration of machine cleaned catch basins, similar to last year, was conducted for a few days—an auto-truck cleaning machine (“orange peel grab” lift equipment) removed material in less time than could be done by day labor, but the cost per cubic yard exceeded the hand work—the result being speedier cleaning; one of these machines could be used advantageously in this city about one-quarter of the time during the year.

A number of repairs have been made and sections rebuilt on some of the old sewers, alterations made in the outlets and overflows, and extra manholes built for the purpose of improving the system.

Many catch basins and manholes have been repaired and grade or line changed.

Three hundred and thirty-seven permits have been issued to licensed drain layers for connecting buildings with main sewers and storm drains; seventy three being for repairs, alterations or extensions, all of the work being done under the supervision of the city’s inspector.

Many of these repairs and alterations were made necessary by the growth of tree roots in the private drain pipe. In several cases, these private drains were relaid with iron pipe and lead joints, which is the type of construction recommended by this department, where drain connections have become stopped on account of tree roots.

Certain persons are licensed as drain layers by the city and are under bonds, for the purpose of laying and repairing these private drains:—none others are permitted to do this work.

Reference to data concerning each drain connection with the public sewer is on file in this office, and time and expense could be saved by the owner, by applying directly to this department for investigation and advice, where trouble exists.

A number of car track catch basins and underground conduit manholes have been connected with the city's drainage system.

There are to date about 17,149 private house drain connections with the city's drainage system.

Repairs have been made to the automatic machinery, tanks, copper floats, tide gates, etc., constructed and installed more than twenty-five years ago in brick masonry chambers, where the city's mains are discharging into the state sewer.

A better system of grease traps should be installed in the premises of some of the larger manufacturing plants and rendering companies to prevent large amounts of grease and waste products from escaping into the city sewer mains and at various times has partially blocked sections of sewers—the past year a number of loads of heavy grease has been scraped and removed from the sewers at a considerable expense.

During the year the sewer division has done considerable miscellaneous work for other city departments and outside companies, furnishing material and labor, and being partially reimbursed for the same.

Some of the old trunk sewers which were constructed many years ago are in a dangerous condition; sections where the arch is badly cracked and liable to collapse any time, should be immediately rebuilt.

## PARKS AND PLAYGROUNDS DIVISION

The care, superintendance and management of the city's parks and public grounds is under the direction of the city engineer, who is also, at the present time, a member of the Public Welfare and Recreation Commission.

About seventy-four acres are maintained as parks and playgrounds and approximately a mile of city boulevard; 64 acres are owned by the city and certain areas owned by private parties are turned over to the city for recreation purposes, also satisfactory arrangements have been made for a number of years whereby the city has the use of Tufts College playfields during the summer vacation months, and skating areas in the winter. Approximately two thousand trees of various varieties are located on these grounds.

These areas when completely developed will compare favorably with other cities in the vicinity.

Some of the larger parks and playgrounds have been re-named in honor of Somerville young men who lost their lives in the World War;—also where a number of streets intersect,

(making a small square) some of these areas have been named in honor of Somerville heroes.

An additional area, situated between the Western Junior High School building and Broadway, has been named the Walter Ernest Shaw Playground,—in honor of a West Somerville young man who was killed in the late war while on active duty at Chateau Thierry.

### MAINTENANCE ACCOUNTS, STATEMENT OF EXPENDITURES,

1923

Playgrounds	Parks
\$4,700 85 Labor . . . . .	\$8,243 62
424 13 Teaming . . . . .	763 65
402 10 Equipment—Improvement—Supplies . . . . .	873 38
915 96 Repairing property and tools . . . . .	415 28
102 09 Fountains and Bubblers—Maint. (Paid Water Dept.) . . . . .	104 29
Trees—Plants—Floral Decorations . . . . .	633 26
Flagpoles—Flags—Painting . . . . .	152 28
\$6,545 13	Total Expenditures . . . . . \$11,185 76

### CLASSIFICATION OF EXPENDITURES

Playgrounds and Recreation	Parks
\$ 560 12 Central Hill Park (13.1 acres) . . . . .	\$2,702 95
620.95 Saxton C. Foss Park (formerly Broadway Park) (15.9 acres) . . . . .	1,693 62
Broadway Parkway (1.6 acres) . . . . .	123 30
1,557 86 Lincoln Park (7.2 acres) . . . . .	1,247 30
66 75 Prospect Hill Park (2.6 acres) . . . . .	1,791 56
4 00 Tufts Park (4.5 acres) . . . . .	1,090 73
Paul Revere Park (0.02 acres) . . . . .	131 07
Belmont Street Park (0.4 acres) . . . . .	584 33
Powder House Boulevard (0.9 mile long) . . . . .	709 17
Powder House Square Parkway (0.2 acre) . . . . .	189 65
Cemetery, Somerville Avenue (0.7 acre) . . . . .	220 00
1,597 26 Dilboyl Field (formerly Somerville Field) at Alewife Brook (11.5 acres) . . . . .	333 61
815 48 Richard Trum Playground, Cedar Street and Broadway (4.3 acres) . . . . .	209.43
85 25 Playground, Glen Street and Oliver Street (1.0 acre + 1.5 acres private land) . . . . .	20.00
367 66 Playground, Kent Street and Somerville Avenue (0.8 acre) . . . . .	103 31
238 98 Playground, Poplar Street and Joy Street (0.5 acre) . . . . .	35 67
8 00 Playground, Beacon Street near Washington Street (0.2 acre) . . . . .	
224 63 Playground, Fellsway East (2.5 acres private land) . . . . .	



398 19 Tufts College Land, Summer and Winter Play-  
ground (5 acres) . . . . .  
Total expenditure, maintenance (73.5 acres)  
64 acres city property + 9 acres private land,  
0.7 acre cemetery and 0.9 mile boulevard, and  
0.54 mile parkway roads

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\$6,545 13

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\$11,185 76

### CREDIT

Playgrounds  
and  
Recreation

Parks

	Appropriation for Parks . . . . .	\$11,200 00
\$6,600 00	Appropriation for Playgrounds . . . . .	
<hr/>		<hr/>
\$54 87	Balance Unexpended . . . . .	\$14 24

The city's assessment for Metropolitan parks and boulevards for the year 1923 amounted to \$17,858.13 on construction account, and \$48,443.17 being the proportional cost for maintenance and operation; in addition to this the city's special assessment for the Charles River basin construction and maintenance amounted to \$9,843.61; for the improvement of Alewife Brook and maintenance of same \$1,054.72 and for the maintenance of Wellington Bridge across Mystic River, \$3,251.80. The total of these assessments amounts to \$80,451.43, being Somerville's proportional payment to the State on account of the Metropolitan park system for the year 1923.

The total assessment paid to the State for parks and boulevards amounts to \$1,070,725.17, January 1, 1924 and the 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 one and two-tenths miles bordering Mystic River and Alewife Brook located in the westerly part of the city.

A special state commission has been appointed to report a route and estimated cost of constructing a boulevard and traffic road, which will probably pass through the easterly part of this city,—the "Northern Gateway" and connections; using Cross Street the entire length from Central Square to Mystic Avenue for heavy traffic.

A war memorial has been erected on Trum Playground, located at the northeasterly corner, constructed of concrete and granite with a bronze tablet on which is inscribed the names of dead heroes formerly residing in the vicinity.

An historical tablet formerly located on the northerly

side of Main Street at the top of Winter Hill has been removed and located in Paul Revere Park.

A Section of Powder House boulevard where the roadway had deteriorated, about 1600 feet in length, has been reconstructed with an asphaltic macadam wearing surface (the first reconstruction work done since the original construction in 1901.) New hardy growth trees should replace the old poplar trees the entire length of this boulevard immediately, the abutting property owners paying for the trees, this department the cost of planting.

About \$1,000 was spent in reconstructing fences on some of the principal parks—a granolithic sidewalk was constructed on the Liberty Avenue side of Tufts Park.

Athletics in general have been very active during the year and the baseball "diamonds," football fields, tennis courts and athletic apparatus located on the various playfields have been in constant use.

During the Daylight Saving period "twilight" baseball has been exceedingly popular, practically all of the city's fields being used, and at Lincoln Park and Tufts College grounds games were scheduled for every evening during the season with crowds in attendance. Approximately 500 games were scheduled on the city's playfields during the year.

Additional seats have been erected at Lincoln Park and Trum Playground and hockey rinks of regulation size were constructed in the winter season.

A new concrete field-house and public comfort station has been constructed at Trum Playground and shower baths have been maintained at this playground and the baths located at Lincoln Park have been kept open certain evenings during each week; more of these baths should be established at the various fields. Wading pools for the children have been maintained at these two places.

Tennis courts have been in use at Dilboy Field, Foss, Central Hill and Lincoln parks.

Kent Street playground could be enlarged by using the westerly sidewalk and a portion of the street area.

Special supervision was provided by the Welfare and Recreation Commission during the months of July and August especially for the children's activities, to make the playgrounds popular and successful;—the summer gardens were abandoned and an extra appropriation should be made for improving, reconstructing and renovating these park areas, especially on Central Hill.

The Metropolitan District Commission has furnished

band concerts, certain evenings during summer months, at Foss Park.

At the enclosed athletic field bordering Alewife Brook, a permanent concrete field house should be constructed with all modern equipment (about \$10,000 is available at the present time) and the remaining area graded as soon as possible; when completed as originally designed the city will own one of the best recreation fields in the vicinity. (In the 1910 report, plan shows proposed complete laying out).

The Mason Street tennis lot, corner of Broadway, has been sold to private parties for building purposes and the money received for same used in grading the new playground area situated adjacent to the Western Junior High School building,—the Shaw Playground. There seems to be a growing demand for recreation fields to be located at the school buildings for the use of school athletics.

The city has become so densely populated (averaging nearly 25,000 people a square mile) that some of the larger park areas should be more extensively utilized for public recreation and physical training purposes; on several of the playfields concrete buildings should be constructed in place of the old wooden structures, additional apparatus and shelters 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.

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.

A splendid opportunity exists at the present time to establish a good sized recreation field for the East Somerville and Winter Hill districts by developing the northeasterly end of Foss Park, (formerly Broadway Park) the city owns the land, so that any expenditure made would be wholly for construction purposes. The area of this park is approximately 16 acres, and the topography has not been changed in 50 years time, (the enclosed area of the athletic field, bordering Alewife Brook, in the westerly part of the city is about 5 acres).

A plan has been made showing a re-designing and new layout of Foss Park area which would be, when completely constructed, an additional playfield and beneficial in a number of ways for the easterly part of the city.

In connection with the departmental work the Welfare and Recreation Commission, the Playgrounds Association and Women's Clubs have been of great assistance in advising,



directing and promoting the city's welfare. (Details, etc., in Commission's and Association reports).

The total expenditure by the city departments and other Associations for recreation and play the past year has been approximately \$25,000.00.

#### 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		Length.
			or Private.	Width in Feet.	
			Public	Private	
Abdell	Somerville ave	Southwesterly	Private.	25	..... 203
Aberdeen road	Cedar st.	Highland ave.	Public.	40	449
Aberdeen rd. ex.	Angle	Westerly	Private.	30	..... 67
Acadia pk.	Somerville ave	Northeasterly	Public.	40	256
Adams	Broadway	Medford st.	Public.	40	907
Adelaide rd	Somerville ave	Northeasterly	Private.	20	..... 138
Adrian	Marion st.	Joseph st.	Public.	40	579
Albion pl.	Albion st.	Northeasterly	Private.	10	..... 166
Albion ct.	Albion st.	Southeasterly	Private.	16	..... 116
Albion	Central st.	Cedar st.	Public.	40	2,742
Albion	Broadway	Medford line	Private.	50	..... 100
Albion ter.	Albion st.	Southwesterly	Public.	25	100
Aldersey	Walnut st.	Vinal ave.	Public.	40	508
Aldrich	Pearl st.	B. & L. R. R.	Public.	40	611
††Alewife Brk pky	Mystic Val. pky.	Cambridge line	Public.	.....	4,775
Alfred	Broadway	Medford line	Private.	50	..... 50
Allen	Somerville ave	Charlestown st.	Public.	25	644
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 st.	Public.	40-30	757
Ames	Bartlett st.	Robinson st.	Public.	40	580
Appleton	Willow ave.	Liberty ave.	Public.	40	668
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.	Public.	30	606
Austin	Broadway	Mystic ave.	Public.	40	716
Autumu	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	Public.	40	420
Banks	Elm st.	Summer st.	Public.	40	639
Bartlett	Vernon st.	Broadway	Public.	40	1,550
Barton	Broadway	Hamilton road	Public.	40	382
Bay State ave.	Broadway	Foskett st.	Public.	40	1,237
Beach ave.	Webster ave.	Columbia st.	Private.	about 20	..... 200
Beacon pl.	Beacon st.	Northeasterly	Private.	15	..... 200
Beacon	E. Cambridge line	Somerville ave.	Public.	66	6,007
Beacon ter.	Somerville ave.	Northeasterly	Private.	24	..... 110
Bean ter.	Cutter st.	Southeasterly	Private.	16	..... 100
Beckwith circle	Beacon st.	Southwesterly	Private.	28.5	..... 112
Bedford	South st.	Cambridge line	Public.	30	165
Beech	Somerville ave.	Atherton st.	Public.	40	323
Belknap	Broadway	Hamilton road	Public.	40	449
Bellevue ter.	Albion st.	Northeasterly	Private.	20	..... 90
Belmont	Somerville ave	Highland ave.	Public.	40	2,192
Belmont pl.	Belmont st.	Southeasterly	Public.	25	177
Belmont sq.	Belmont st.	Southeasterly	Public.	30	75
Belmont sq.	End of above	N. E. & S. W.	Public.	20	145
Belmont ter.	Belmont st.	Easterly	Private.	15	..... 137
Benedict ave.	Broadway	Benedict st.	Private.	20	..... 200
Benedict	Union st.	Austin st.	Public.	40	585
Bennett ct.	Bennett st.	Prospect st.	Private.	10	..... 100
Bennett	Prospect st.	Bennett ct.	Private.	40 to 25	..... 400
Benton road	Summer st.	Hudson st.	Public.	40	1,208
Berkeley	School st.	Central st.	Public.	40	1,360
Berwick	Hinckley st.	Northwesterly	Private.	20	..... 170
Bigelow	Boston st.	Munroe st.	Public.	50	208
Billingham	Broadway	Willam st.	Public.	40	563

††Metropolitan Park Commission Boulevard.

Table Showing the Location, Length and Width of Public and Private Streets.—Continued.

Street	From	To	Public	Width	Length	
			or Private	in Feet	Public	Private
Bishop's pl.	Glen st.	Easterly	Private.	10	....	75
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.	East to angle in street	Private.	50	....	146
Boston ave.	Angle in st. s'ly	Kidder ave.	Private.	40	....	376
Boston ave.	Kidder ave.	Morrison ave.	Public.	40	649	....
Boston	Washington st.	Prosp't Hill av.	Public.	45	640	....
Boston	Prosp't 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	....
Braemore road	Broadway	Medford line	Private.	40	....	9
Bristow ave.	Lowell st.	Porter st.	Public.	40	686	....
Bristol road	Broadway	Medford line	Public.	40	146	....
Broadway	Charlest'n line	Cross st.	Public.	100	2,590	....
Broadway	Cross st.	Marshall st.	Pub.	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	....	276
Burnham	Broadway	Pow. House Bl.	Public.	40	543	....
Burnside ave.	Elm st.	Summer st.	Public.	40	720	....
Cady ave.	Simpson ave.	Northwesterly	Private.	40	....	203
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.	Ar'lton Br. R.R.	Private.	20	....	84
Carlton	Somerville ave.	Lake st.	Public.	40	300	....
Carter terrace	Summer st.	Southwesterly	Public.	40	171	....
Caruso pl.	Medford st.	Easterly	Private.	10	....	110
Carver	Porter st.	Northwesterly	Private.	40	....	156
Cedar ave.	Cedar st.	Linden ave.	Public.	22	293	....
Cedar ct.	Cedar st.	Southeasterly	Private.	15+	....	70+
Cedar St. pl.	Murdock st.	Southwesterly	Private.	20	....	378
Cedar St. pl.	Cedar n Elm st.	Southeasterly	Private.	12+	....	80+
Cedar	Elm st.	Broadway	Public.	40	4,137	....
Central road	Central st.	E'ly and N'ly	Public.	40	377	....
Central road	Central road	Sycamore st.	Public.	30 to 15	221	....
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	....

Table Showing the Location, Length and Width of Public and Private Streets.—Continued.

Street	From	To	Public	Width in Feet	Length	
			or Private		Public	Private
Charlestown	Allen st.	Merriam st.	Private.	15	....	400
Charnwood rd.	Willow ave.	Hancock st.	Public.	40	589	....
*Chelsea	Mystic ave.	Melrose st.	Private.	50	....	1,390
Cherry	Elm st.	Highland ave.	Public.	45	1,450	....
Cherry	Highland ave.	Northeasterly	Private.	45	....	110
Chester	Elm st.	Cambridge line	Public.	40	885	....
Chester ave.	Medford st.	Angle	Public.	about 22	220	....
Chester ave.	Angle	Cross st.	Public.	20	451	....
Chester pl.	Chester st.	Northwesterly	Private.	40	....	200
Chestnut	Poplar st.	Southeasterly	Public.	40	537	....
Chetwynd road	Curtis st.	West Adams st.	Public.	40	852	....
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 pky.	Public.	35	552	....
Cleveland	Central st.	Harvard st.	Public.	40	459	....
Clifton	Appleton st.	Morrison ave.	Public.	40	200	....
Clifton	Morrison ave.	Arlingtn Br. RR	Private.	40	....	220
Clyde	Cedar st.	Murdock st.	Public.	30	664	....
College ave.	Davis sq.	Medford line	Public.	60	4,080	....
College Cir.	College av. around to	College av.	Private.	10 and 12	....	284
College Hill rd.	Conwell ave.	North st.	Public.	40	449	....
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.	Somerville ave.	Linwood st.	Public.	50	202	....
Conion ct.	Columbia st.	Easterly	Private.	20	....	200
Connecticut av.	Mystic ave.	Penn. ave.	Public.	40	487	....
Conwell ave.	Curtis st.	North st.	Public.	40	1,346	....
Conwell	Highland ave.	Southwesterly	Public.	35	363	....
Cooney	Beacon st.	Line st.	Public.	30	245	....
Corinthian road	Broadway	Cady ave.	Private.	40	....	560
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	Boston line	Hadley st.	Public.	30 and 22	387	....
Crescent	Hadley st.	Pearl st.	Public.	30	174	....
Crocker	Highland ave.	Crown st.	Public.	40	528	....
Cross	Medford st.	Broadway	Public.	45	2,680	....
Cross st. (East)	Broadway	Mystic ave.	Public.	40	1,100	....
Cross St. pl.	Cross st.	Northwesterly	Private.	24	....	150
Crown	Porter st.	Lowell st.	Private.	30	....	700
Cummings	Fellsway	Middlesex ave.	Private.	40	....	625
Curtis ave.	Curtis st.	Hillsdale road	Public.	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	Pearl st.	Bonair st.	Public.	40	696	....
Dane	Somerville ave.	Washington st.	Public.	40	1,341	....
Dane ave.	Dane st.	Leland st.	Public.	30	569	....
Dante terrace	Craigie st.	Westerly	Private.	25	....	125
Dartmouth	Medford st.	Broadway	Public.	40	1,465	....
Day	Elm st.	Cambridge line	Public.	40	908	....
Dearborn road	Roston ave.	College ave.	Public.	50	469	....
Delaware	Pearl st.	Aldrich st.	Public.	40	451	....
Dell	Glen st.	Tufts st.	Public.	40	466	....
Derby	Temple st.	Wheatland st.	Public.	40	1,031	....
Dexter	Broadway	Medford line	Private.	50	....	25
Dickinson	Springfield st.	Beacon st.	Public.	40	770	....
Dickson	Broadway	Fairmount ave.	Public.	40	271	....
Dimick	Concord ave.	Calvin st.	Public.	40	957	....

\*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
				Public	Private	
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	Powder House Bd.	Ware st.	Public.	40	257	....
Downer pl.	Downer st.	B. & L. R. R.	Private.	20	....	125
Downer	Nashua st.	Southeasterly	Private.	20	....	120
Dresden circle	Cutter ave.	Westerly	Private.	30	....	133
Durant	Washington st.	Southerly	Private.	20	....	200
Durham	Beacon st.	Hanson st.	Public.	40	423	....
Dynamo	Willow ave.	Whipple st.	Private.	30	....	255
Earle	South st.	Northerly	Private.	30	....	322
Earle	End of above	Fitchburg R. R.	Private.	15	....	115
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
Edmands	Broadway	near Bonair st.	Public.	40	376	....
Edmonton ave.	Cross st.	Fellsway east	Private.	40	....	630
Electric ave.	Mason st.	Curtis st.	Public.	40	1,374	....
Eliot	Vine st.	Park st.	Public.	40	291	....
Ellington road	Highland ave.	Northeasterly	Private.	35	....	120
Ellington road	Ellington road	Southeasterly	Private.	30	....	265
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 road	Elm st.	Northeasterly	Private.	25	....	183
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
Endicott ave.	Broadway	Woodstock st. (Ext'n)	Private.	40	....	800
Essex	Medford st.	Richdale ave.	Public.	40	232	....
Eustis	Beacon st.	Cambridge line	Public.	30	146	....
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.	22	....	179
Exchange pl.	Washington st.	Southerly	Private.	4.5	....	70
Fairfax	North st.	Alewife Brk Pky	Private.	40	....	915
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	....
Fennell	Hinckley st.	Northwesterly	Private.	20	....	175
Fenwick	Broadway	Jaques st.	Public.	40	601	....
Fisk ave.	Lowell st.	Hinckley st.	Public.	20	484	....
Fitchburg ct.	Fitchburg st.	Southeasterly	Private.	10	....	225

\*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
				Public	Private	
Fitchburg	Linwood st.	B. & L. R. R.	Private.	40	....	400
Flint ave.	Flint st.	Northerly	Public.	40	202	....
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
Foskett	Willow ave.	Liberty ave.	Public.	40	668	....
Fountain ave.	Cross st.	Glen st.	Public.	30	578	....
Francesca ave.	College ave.	Liberty ave.	Public.	40	762	....
Francis	Porter st.	Conwell st.	Public.	30	180	....
Franklin ave.	Washington st.	Franklin st.	Public.	20	575	....
Franklin pl.	Franklin st.	Southeasterly	Private.	15	....	100
Franklin	Broadway	Washington st.	Public.	40+	2,316	....
Fremont ave.	Bowdoin st.	Lincoln pk.	Public.	30	232	....
Fremont	Main st.	Nr E. Albion st	Public.	40	1,112	....
Fremont	Nr E. Albion st	Mystic ave.	Private.	40	....	335
Garden ct.	Somerville ave.	Fitchburg R. R.	Private.	25	....	370
Garfield ave.	Broadway	Blakeley ave.	Public.	40	447	....
Garfield ave.	Blakeley ave.	Middlesex ave.	Private.	40	....	983
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 rd, w'ly	Public.	40	665	....
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
Gordon st.	North st.	Alewife Brk Pky	Public.	40	1,254	....
Gorham	Holland st.	Howard st.	Public.	40	763	....
Gould ave	Porter st.	Southeasterly	Private.	16	....	156
Gove ct.	Cedar st.	Southeasterly	Private.	18	....	144
Grand View av	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.	Bromfield rd.	Private.	4	....	160
Grove	Elm st.	Morrison ave.	Public.	40	996	....
Hadley ct.	Franklin st.	Westerly	Private.	16	....	74
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	....
Hamilton road	Russell road	North st.	Public.	40	560	....
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	Pow. House Bd.	Ware st.	Private.	20 and 40	....	283
Harding	No. of Ward st.	Cambridge line	Public.	30	465	....
Harold	Dimick st.	Marion st.	Public.	40	316	....
Harold st.	Woods ave.	Medford Line	Private	40	....	248
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	....

Table Showing the Location, Length and Width of Public and Private Streets.—Continued.

Street	From	To	Public		Length
			or Private	Width in Feet	
Hayden ter.	Linden ave.	Easterly	Private.	20	.... 120
Heath	Temple st.	Bond st.	Public.	45	1,043 ....
Heath	Bond st.	Moreland st.	Public.	40	754 ....
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
High	North st.	Alewife Brk Pky	Public.	40	.... 679
Highland ave.	Medford st.	Davis sq.	Public.	60	9,135 ....
Highland path, east	Morrison ave.	Arlington Br. R. R.	Private.	10	.... 107
Highland path, west	Morrison ave.	Arlington Br. R. R.	Private.	10	.... 108
†Highland rd.	Morrison ave.	Boston ave.	Pub. 30(70wide)	1,499	....
Hill	Broadway	Fairmount ave.	Public.	40	284 ....
Hillsdale rd.	Conwell ave.	Sunset rd.	Public.	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. around	to Elm st.	Public.	40	637 ....
Homer sq.	Bonner ave.	Northwesterly	Public.	30+	200 ....
Horace	South st.	Fitchburg R. R.	Public.	30	517 ....
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	Public.	30	117 ....
Ibbetson	Somerville ave.	Lowell st.	Public.	40	802 ....
Illinois ave.	Broadway	Penn. ave.	Public.	40	427 ....
Indiana ave.	Broadway	Penn. ave.	Public.	40	384 ....
Irving	Holland st.	Broadway	Public.	40	1,180 ....
*Irvington rd.	Mystic Valley Pky.	Medford line	Private.	40	.... 484
Ivalon	Beacon st.	Park st.	Public.	40	685 ....
James	Pearl st.	Radcliffe road	Public.	40	320 ....
Jaques	Fellsway west	Temple st.	Public.	40	1,182 ....
Jaques	Temple st.	Bond st.	Public.	45	1,005 ....
Jaques	Bond st.	Edgar ave.	Public.	40	395 ....
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 Val. py	Private.	40	.... 495
Joseph	Newton st.	Lincoln pky	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.	16	.... 168
Kenneson road	Broadway	Walnut road	Private.	30	.... 338
Kensington av.	Broadway	Blakeley ave.	Public.	40	455 ....
*Kensington av	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.	Boston ave.	Public.	40	2,554 ....
Kilby	Somerville ave.	Southwesterly	Private.	20	.... 180
Kilsyth road	Broadway	Medford line	Private.	40	.... 5
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 ....

\*Proposed.

†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	
				Public	Private	Public	Private
Knapp	School st.	Granite st.	Public.	40		379	....
Knowlton	Tufts st.	N'E' 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	Professors row	Talbot ave.	Private.	60		....	250
Laurel ave.	Laurel st.	Northwesterly	Private.	18		....	125
Laurel	Somerville ave.	Summer st.	Public.	40		983	....
Laurel ter.	Laurel st.	Southeasterly	Private.	23		....	256
Lawrence road	Medford line	Mystic Val. py	Private.	40		....	585
Lawson ter.	Putnam st.	Easterly	Private.	5		....	200
Lee	Medford st.	R'chdale 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	Broadway	Pow. House Bd.	Public.	40		450	....
Lesley ave.	Highland ave.	Lexington ave.	Public.	40		333	....
Leslie pl.	Highland ave.	Northerly	Private.	12		....	75
Lester ter.	Meacham road	Northwesterly	Private.	20		....	190
Lewis	Magnus ave.	Deadend	Public.	40		416	....
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	Appleton st.	Public.	40		1,493	....
Liberty rd.	Morrison ave.	Liberty ave.	Private.	16		....	200
Lincoln ave.	Lincoln st.	Mt. Vernon st.	Public.	30		478	....
Lincoln pky	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.	Cedar ave.	Public.	45		1,413	....
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	Washington st	Fitchburg 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	Foskett 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	Priv. 11 and 27.5			....	143
Lowell ter.	Lowell st.	Northwesterly	Private.	20		....	150
Madison	School st.	Sycamore st.	Public.	40		891	....
Magnus ave.	Washington st.	Lewis st.	Public.	40		429	....
Magnus ave.	Lewis st.	Southerly	Private.	40		....	80
Main	Broadway	Medford line	Public.	50		966	....
Maine ave.	Mystic ave.	Penn. ave.	Public.	40		379	....
Maine ter.	Maine ave.	Southeasterly	Public.	32		205	....
*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	....
Mansfield	Somerville ave.	Washington st.	Public.	40		735	....
Maple ave.	School st.	Southeasterly	Public.	40		319	....
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	Pow. House Bd.	Public.	40		681	....
May pl.	Hawkins st.	Easterly	Private.	12		....	100

\*Proposed.



Table Showing the Location, Length and Width of Public and Private Streets.—Continued.

Street	From	To	Public	Width in Feet	Length	
			or Private		Public	Private
McCarroll ct.	Clyde st.	Southwesterly	Private.	25	....	75
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	Public.	40	777	....
Mead st.	Moore st.	N'r Cameron av	Public.	40	345	....
Mead st.	End of above	Cameron ave	Private	40	....	95
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	Penn. ave.	Public.	40	470	....
†Middlesex ave.	Mystic ave.	Fellsway	Public.	60	2,304	....
Milk pl.	Somerville ave.	Southwesterly	Private.	about 30	....	100
Miller st.	Sacramento st	Beacon st.	Public.	30-33	466	....
Milton	Orchard st.	Cambridge line	Public.	40	223	....
Miner	Vernon st.	Ames st.	Public.	40	244	....
Minnesota ave.	Broadway	Penn. ave.	Public.	40	525	....
Mondamin ct.	Ivaloo st.	Harrison st.	Private.	25	....	250
Monmouth	Central st.	Westerly	Public.	40	267	....
Monmouth	End of above	Harvard st.	Private.	35	....	200
Montgomery av.	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.	Porter st.	nr Linden ave.	Public.	22	280	....
Mousal pl.	No. 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 av.	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.	Public.	30	853	....
Murray st.	Washington st.	Southerly	Public.	30	190	....
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.	Charlest'n 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 Valley Parkway	Medford line	Arlington line	Public.	60	2,530	....
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	....	63
Newbury	Holland st.	Cambridge line	Public.	40	1,260	....

\*Proposed.

††State Highway Austin St. to Medford line.

†State Highway.

‡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	Public	Private
N. Hampshire ave.	Mystic ave.	Penn. ave.	Public.	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 sq.	Public.	40+		637	....
Norfolk	Webster ave.	Cambridge line	Public.	40		233	....
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 Circle	Cambridge line	Northerly	Private.	30		....	35
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.	E'ly & w'ly	Private.	40		....	450
Ossipee road	Mason st.	Curtis st.	Public.	40		1,375	....
Otis	Cross st.	W'gglesworth st	Public.	40		1,200	....
Oxford	School st.	Central st.	Public.	35		1,361	....
Oxford	Beacon st.	Cambridge line	Public.	50		100	....
Packard ave.	Broadway	Professors row	Public.	60		1,758	....
Packard ave.	Professors row	Medford line	Private.	60		....	240
Palmer ave.	Franklin st.	Northwesterly	Private.	20		....	200
Park ave.	College ave.	Wallace st.	Public.	40		467	....
Park pl.	Laurel st.	Easterly	Private.	30		....	522
Park pl.	Park pl.	Northeasterly	Private.	20		....	120
Park	Somerville ave.	Beacon st.	Public.	50		1,238	....
Parkdale	Washington st.	Lewis st.	Public.	40		500	....
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	Public.	20		166	....
Pearl ter.	Pearl st.	Northerly	Private.	23		....	161
Pearson ave.	Morrison ave.	Boston ave.	Public.	45		1,320	....
Pearson road	Broadway	Dearborn road	Public.	40		1,713	....
Pembroke ct.	Pembroke st.	Southwesterly	Private.	25		....	130
Pembroke	Central st.	Sycamore st.	Public.	40		430	....
Penn. ave.	Broadway	Wisconsin ave.	Public.	50		1,112	....
Penn. ave.	Wisconsin ave.	Cross st.	Public.	40		350	....
Perkins pl.	Perkins st.	Northeasterly	Private.	20		....	200.
Perkins	Franklin st.	Charlest'n line	Public.	40		1,336	....
Perry	Washington st.	Lincoln pkway	Public.	40		606	....
Peterson ter.	Porter st.	Olive ave.	Private.	7.5		....	155
Philips pl.	Spring st.	Westerly	Private.	15+		....	100
Pinckney pl.	Pinckney st.	Southeasterly	Private.	24		....	125
Pinckney	Washington st.	Perkins st.	Public.	40		1,186	....
Piper ave.	Cedar st.	Westerly	Private.	20		....	91
Pitman	Beech st.	Spring st.	Private.	30		....	377
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

Table Showing the Location, Length and Width of Public and Private Streets.—Continued.

Street	From	To	Public	Width in Feet	Length	
			or Private		Public	Private
Porter	Elm st.	Mountain ave.	Public.	45	1,622	....
Porter	Mountain ave.	Highland ave.	Public.	40	415	....
Powder house boulevard	Powder house square	Alewife Brook Parkway	Public.	80	4,560	....
Pow. 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	....	640
Professors row	College ave.	Curtis st.	Public.	40	2,000	....
Proposed	Fellsway	Middlesex ave.	Private.	40	....	195
Proposed	Fellsway	Middlesex ave.	Private.	40	....	315
Proposed	Fellsway	Middlesex ave.	Private.	40	....	340
Prospect	Washington st.	Cambridge line	Public.	50	2,071	....
Prosp't Hill av.	Medford st.	Munroe st.	Public.	40	597	....
Prosp't Hill pky	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	....
Radcliffe road	Walnut st.	Bradley st.	Public.	35	392	....
Radcliffe road	Bradley st.	Marshall st.	Public.	40	261	....
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	....	71
Remick ct.	Cutter st.	Southeasterly	Private.	10	....	100
Rhode Is. ave.	Mystic ave.	Penn. 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	....
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	Waverly st.	Boston line	Private.	40	....	100
Rose	Washington st.	Lewis st.	Public.	40	450	....
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 rd.	Broadway	N. line Hamil- ton rd.	Public.	40	559	...
Russell rd.	N. Line Ham- ilton rd.	Northerly	Private.	40	....	75
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	Public.	40	154	....
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.	Public.	35	427	....
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 av.	Cameron ave.	Cambridge line	Public.	40	92	....
Sewall ct.	Sewall st.	Southwesterly	Private.	25	....	190
Sewall	Grant st.	Temple st.	Public.	40	615	....
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.	Public.	40	1,018	....
Skehan	Dane st.	Hanson st.	Public.	30	306	....
Skehan	Hanson	Durham	Private.	30	....	414
Skilton	Pearl st. around	Pearl st.	Private.	40	....	540
Smith ave.	Beacon st.	Line st.	Private.	25+	....	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	
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.	Public.	20	673	....	....
Stanford ter.	Beacon st.	Northeasterly	Private.	20	....	200	....
Steeves circle	Cherry st.	Easterly	Private.	15	....	120	....
Sterling st.	North st.	Alewife Brk Pky	Public.	40	813	....	....
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.	Prospt Hill py.	Public.	38	107	....	....
Stone pl.	Stone ave.	Southeasterly	Public.	30	142	....	....
Strathmore rd.	Broadway	Medford line	Private.	40	....	15	....
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	....	....
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 Ex.	Cambridge line	Woodstock st. (Ext'n)	Private.	40	....	160	....
Taunton	Wyatt st.	East'y to angle	Private.	30	....	170	....
Taunton	Angle	Marion st.	Private.	20	....	95	....
Taylor pl.	Somerville ave.	Southerly	Private.	15	....	200	....
Taylor	Mystic ave.	Sydney st.	Public.	40	309	....	....
Teele ave.	Packard ave.	Curtis st.	Public.	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.	Arlington Br.	Public.	40	465	....	....
Thorndike	Arlington Br.	R. R.	Public.	40	115	....	....
Thorpe	Highland ave.	Kingston st	Public.	30	468	....	....
Thurston	Broadway	Southwesterly	Public.	40	1,660	....	....
Timmins pl.	Dane st.	Richdale ave.	Private.	3.5	....	97	....
Tower ct.	Tyler st.	Westerly	Private.	25	....	150	....
Tower	Crown st.	Northeasterly	Private.	40	559	....	....
Tremont pl.	Tremont st.	Highland ave.	Public.	40	....	75	....
Tremont	Webster ave.	Southeasterly	Private.	about 10	....	....	....
Trull	Vernon st.	Cambridge line	Public.	40	589	....	....
Trull lane	Vernon st.	Medford st.	Public.	40	1,050	....	....
Tufts parkway	Highland ave.	Oxford st.	Private.	15	....	200	....
Tufts	College ave.	College ave.	Public.	22	900	....	....
Tufts	Washington st.	College ave.	Public.	40	982	....	....
Turner ct.	Franklin st.	Cross st.	Public.	40	982	....	....
Tyler	Vine st.	Westerly	Private.	20	....	150	....
Union	Vine st.	Dane st.	Public.	40	404	....	....
Union pl.	Broadway	Mystic ave.	Public.	40	345	....	....
Upland Park	Linwood st.	Southwesterly	Private.	10	....	100	....
Upland road	Main st.	Southwesterly	Private.	20	....	175	....
Upland road	Curtis st.	Hillsdale road	Private.	40	....	655	....
Vermont ave.	Mystic ave.	Penn. ave.	Public.	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	....

\*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	
				Public	Private	Public	Private
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.	Fitchburg R. R.	Public.	40		....	540
Vine	Fitchburg R. R.	Hanson st.	Private.	40		....	222
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.	Public.	40		....	277
Waldo	Highland ave.	Hudson st.	Public.	40		....	287
Walker	Broadway	Leonard st.	Public.	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 terrace	Walter st.	Southwesterly	Public.	40		....	222
Walter	Walnut st.	about 100 ft N. of Bradley st.	Public.	40		....	548
Ward	Medford st.	Harding st.	Public.	30		....	433
Ware	Curtis st.	Russell rd.	Public.	40		....	749
Warner	Pow. House sq.	Medford line	Public.	60		....	500
Warren ave.	Union sq.	Columbus ave.	Public.	40		....	663
Warren	Medford st.	Cambridge line	Public.	30 to 40		....	109
Warwick place	Warwick st.	Northeasterly	Private.	15		....	150
Warwick	Cedar st.	Warwick pl.	Public.	40		....	665
Washington av.	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 av	Public.	40		....	215
Wellington ave.	Montgomery av.	Easterly	Private.	40		....	85
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	Public.	40		....	710
Westminster	Broadway	Electric ave.	Public.	40		....	376
Weston ave.	Clarendon ave.	Broadway	Private.	40		....	525
West Quincy	Bailey st.	Medford line	Public.	40		....	292
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.	Public.	40		....	687
Whitman	Mason st.	Packard ave.	Public.	40		....	632
Wigglesworth	Pearl st.	Bonair st.	Public.	40		....	744
William	College ave.	Chandler st.	Public.	40		....	381
William	Broadway	Medford line	Private.	50		....	50
Williams ct.	Porter st.	Northwesterly	Private.	30		....	454
Willoughby	Central st.	Sycamore st.	Public.	40		....	427
Willow ave.	Elm st.	Broadway	Public.	50		3,534	....
Willow pl.	Cambridge line	South st.	Public.	25		....	125
Wilson ave.	Broadway	B. & L. R. R.	Public.	20		....	307
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	Cambridge Line	Northerly	Public.	40		....	40
Windsor	End of above	Fitchburg R. R.	Public.	27		....	490

†Sidewalk in Somerville.



Table Showing the Location, Length and Width of Public and Private Streets.—Concluded.

Street	From	To	Public	Width in Feet	Length	
			or Private		Public	Private
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.	Mystic ave.	Middlesex ave.	Private.	40	....	583
Wisconsin ave.	Broadway	Penn. ave.	Public.	50	499	....
Woodbine	Centre st.	Westerly	Private.	30	.....	461
Woodbine Ex.	End of above	Lowell st.	Private.	35	.....	212
Woods ave.	North st.	Alewifc Brk Pky	Private.	40	....	1,135
Woodstock	Victoria st.	Alewifc brook	Public.	40 to 32	403	....
*Woodstock (Extension)	Victoria st.	Tannery st. (Ext'n.)	Private.	40	....	920
Wyatt circle	Wyatt st. around	to Wyatt st.	Private.	20	....	315
Wyatt	Concord ave.	Lincoln pkway	Public	40	496	....
Yorktown	Cambridge line	N. E. line	Public.	40	294	....
Yorktown	N. E. line	Malvern ave.	Private.	40	....	100
Court	39 Adams st.	Southeasterly	Private.	8	....	90
Court	Albion st.	Central st.	Private.	12	....	216
Court	11 Albion st.	Northeasterly	Private.	9	....	178
Court	21 Albion st.	Northeasterly	Private.	10	....	100
Court	292 Broadway	Southwesterly	Private.	15	....	90
Court	612 Broadway	Southwesterly	Private.	20	....	188
Court	Buena Vista rd.	Easterly	Private.	15	....	145
Court	Cambria st.	Northerly	Private.	9	....	59
Court	12 Carlton st.	Southeasterly	Private.	25	....	75
Court	112 Central st.	Northwesterly	Private.	10	....	168
Court	113 Central st.	Southeasterly	Private.	20	....	150
Court	227 Columbia st.	Northwesterly	Private.	10	....	117
Court	Conlon ct.	Windsor st. ex.	Private.	20	....	240
Court	36 Craigie st.	Westerly	Private.	25	....	126
Court	59 Craigie st.	Easterly	Private.	23.63	....	129
Court	58 Dane st.	Easterly	Private.	10	....	70
Court	20 Dimick st.	Southwesterly	Private.	39.25	....	136
Court	91 Franklin st.	Westerly	Private.	12	....	171
Court	35 Lexington ave	Northerly	Private.	21	....	90
Court	66 Lowell st.	Westerly	Private.	25	....	101
Court	78 Lowell st.	Westerly	Private.	25	....	101
Court	101 Medford st.	Easterly	Private.	8	....	75
Court	Sacramento st.	Southeasterly	Private.	25	....	318
Court	335 Somerville av	Northerly	Private.	15	....	60
Court	10 Stone ave.	Northwesterly	Private.	20	....	113
Court	Windsor st. ex.	E'ly and W'ly	Private.	20	....	370
Court	Washington ave	Franklin st.	Private.	6	....	95
Court	Irving rd.	Boston ave.	Private.	20	....	157
Total					455,966	76,746

\*Proposed.

Public, 86.36 miles [includes 1.406 miles of City Boulevard and Park Roadways, 2.331 miles of State Boulevard (Metropolitan Park Commission), and 1.596 miles State Highway]; private 14.53.

Total length of streets in the city, 100.89 miles.

## REPORT OF PUBLIC WELFARE AND RECREATION COMMISSION

To the Honorable, the Mayor and Board of Aldermen:

The annual appropriation for the Public Welfare and Recreation Commission for the year 1923 was \$5000. The amount expended was \$4060.44. The unexpended balance was saved from the sum apportioned for recreation work among adults. As was stated in its last annual report, the Commission has moved slowly and carefully in this field while prosecuting with vigor the work in other lines. The work for children has been of two kinds: summer playground activities and supervised play on Saturdays. Formal arrangements were effected with the Ways and Means Committee of the Neighborhood House whereby the Commission assumed responsibility for part of the expenses of that work and assumed general control of the undertaking. This extended the work of the Commission among children. The social center work among adults has been carried on in the Morse, Bingham, and Bennett Schools, following the lines laid down in former years.

In April, Stephen H. Mahoney resigned as Director of the field work of the Commission in order to assume the position of Superintendent of Recreation in the City of Cambridge. The Commission accepted the resignation with great regret although this feeling was tempered by justifiable pride in the success which had come to a man whose whole experience and training in the field of recreation had been in connection with the work in his native city.

Fortunately the Commission was able to secure a worthy successor to S. H. Mahoney in the person of Francis J. Mahoney who was chosen on May 10 to succeed his brother. Mr. F. J. Mahoney has had charge of the summer work and of all the activities carried on during the rest of the year under the auspices of the Commission. The distinctive feature of the work of the year has been the beginning made in supervised play for children on Saturdays. The Commission believes that this is the beginning of a work for which there is a real need in Somerville. With our closely built-up condition, the play areas for children are relatively few and widely separated. The situation of the city is such as to make its streets thoroughfares for automobile traffic not only local but foreign, made up of those who pass through

this city on their way to northern resorts or returning therefrom. These conditions make the streets in the highest degree dangerous as play spaces for children. Supervised play on Saturdays and on afternoons will tend to draw children away from these dangerous places and will reduce the risk of fatalities. The work begun this year has shown how this undertaking can be carried on with increasing usefulness. The employment of part-time play supervisors will make possible the conduct of this work economically and in such a way as to reach large numbers of children. The Commission is unanimous in the opinion that the development of this work during the year 1924 will be one of the most important phases of its work.

The Commission presents herewith statements showing in detail the work in the several undertakings which have been briefly mentioned herein. These statements will give an adequate idea of the scope and value of these activities.

For the coming year the Commission plans to carry on the several lines of work herein described and to endeavor to develop more broadly its recreational undertakings for adults. While conscious that the report of its enterprises for the year 1923 is devoid of striking and picturesque features, the Commission believes that its work has been meritorious, painstaking, and permanent in its nature.

Respectfully submitted for the Commission,

CHARLES S. CLARK, *Chairman.*

#### Report of Director of Playgrounds

To the Public Welfare and Recreation Commission:

Following annual custom, I submit to your Commission the report of the Summer Playgrounds for the season of 1923. The purpose of this report is to recount the accomplishments of the past season, and to mention provisions which, in my judgment, are necessary or highly desirable for the future success of the playground work.

#### Features

Some few features of the season of 1923 are conspicuous to the observation of the Director, and are judged worthy of special mention under this caption. More detailed reference to them, each under its proper heading, will follow.



A very striking regularity of attendance on each of the playgrounds throughout the season is indicated by the daily and weekly attendance records. This regularity is accompanied by remarkably high figures of attendance on nearly all playgrounds. The importance of these two facts lies in that they indicate intense utilization of playground facilities, sustained at its height throughout the season.

Greater emphasis on certain lines of athletic activities has added during the past season to the intensity of boys' activities on the playgrounds.

Three play centers for boys—Fellsway, Central Hill Park, and Kent Street Playgrounds have shown a remarkable development in play activity over previous years.

Correlation of playground activities with certain out-of-class activities maintained in the public school has, in my opinion, proved to be practical and desirable.

A marked public interest in the playground work has expressed itself throughout the season in a variety of ways.

A remarkably competent, efficient, and zealous corps of play-supervisors and assistants has given to the season's work an animus and vitality that have brought forth many favorable comments of public officials, private citizens and the public press, regarding the efficiency and aptitude of these workers. This feature is mentioned as important because, in my judgment, its effects on the play activities constitute one of the greatest assets of the playgrounds organization in facing the immediate future.

#### Grounds

Eight areas were used for playground purposes during the past summer. Eleven units were conducted, however, some of these areas having separate units for boys and girls. The various units are named as follows, and the names suggest the areas utilized:

Bennett School Grounds	(for girls and boys)
Central Hill Park	(for girls and boys)
Fellsway East	(for boys)
Saxton C. Foss Park	(for girls)
Hodgkins School Grounds	(for girls and boys)
Kent Street Boys' Playgrounds	
Kent Street Girls' Playgrounds	
Lincoln Park	(for boys)
Perry School Grounds	(for girls)
Richard Trum Playground	(for boys)
Richard Trum Playground	(for girls)



With the possible exception of the Hodgkins School yard in Ward 7, all of the grounds justified their being used for the purpose. The one exception named has been of late years rather poorly attended by the children of the neighborhood, and despite efforts to improve the attendance, rarely attracts more than an average of thirty children at one time. While, of course, even this small number might justify its continuance, my observation leads me to believe that the early completion of the playground in the rear of the Western Junior High School is most desirable. The latter area will afford more ample space for the play of active games, and in addition, has the added asset of being located more suitably for the persons of that section of the city.

Equally desirable, in my opinion, would be the carrying out of plans contemplated some time since for the improvement of the rear end of Saxton C. Foss Park, with a view to getting the maximum use out of this area for recreation purposes. In the light of rapid development of recreation activity on this playground, the urgent need of early attention to this improvement is still more apparent.

The attention of the Commission is again respectfully called to the necessity of more space for playing in the districts served by the Kent St. and Bennett School playgrounds. Each of these grounds caters to a very populous section of our city, and both are at present inadequate for the playing of active games.

The playground on Central Hill, under supervision for its third successive season, has developed, especially during the past season, into a prominent and important unit of the playgrounds system. This statement is based on the facts:—

1. That the Central Hill playground has stood high in the attendance figures,
2. That from the standpoint of healthful location and the physical attractiveness of the grounds, it is second to no other area, and
3. That its prominent central position makes it a medium of expression to the Somerville public, and the Somerville children, of what the playgrounds are, and what they do.

This notable development of the Central Hill unit has taken place in spite of the lack of any permanent equipment. In view of the importance of this unit, I strongly urge that before the coming summer, provision be made for some permanent apparatus on Central Hill Park. I believe that such

equipment can be located on the rear part of the hill, without injuring, in any way, the sightliness of the location.

At Saxton C. Foss and Fellsway Playgrounds, which are in fact conducted on the same area, with segregation and separate supervision of boys and girls for sectioning off the area, the attendance and the activities have so increased as to place both the girls' and boys' units among the most successful playgrounds. The importance of this fact becomes striking when one recalls the scant attendance and noticeable apathy at this playground twelve years ago, when it was for the first time operated throughout an entire season. In contrast to the situation at that time, the boys of the Fellsway Playground this season captured honors in track athletics, were strong contenders for the championship in one of the baseball leagues, and set an example for enthusiasm and loyalty to their playground in all activities of the season. These facts are reported in emphasis of the statement of the need for providing more suitable play facilities on this playground.

#### Finances

There was expended during the summer of 1923 from the City Treasurer for playground purposes the sum of \$2679.98. Of this amount the expense of supervision was \$1984.50; for supplies, maintenance and labor, \$695.48.

In this connection, it seems appropriate to point out that almost no expense to the city has been incurred this past season through the purchase or installing of permanent playground equipment. In past years practically all of the permanent equipment now in use, particularly on those areas not under control of the City Engineer's Department, has been obtained from funds supplied by the Somerville Playgrounds Association, not by the city.

During the preceding year, 1922, more new apparatus and equipment had been provided than during any previous year since the original construction work was done at the outset of the playground movement in Somerville. It was purchased with funds supplied by the above mentioned Association. As a result of this equipment in 1922, purchase of permanent apparatus in 1923 was avoided, but it seems wise to point out here that this circumstance will make all the more necessary in 1924 the purchase of new equipment of this kind to replace and repair what has deteriorated and been worn out during several years past, and that this considerable increase in expenditures must be anticipated in planning for the coming year.

### Supervision

Seventeen persons, including the Director, were included in the supervisory organization of the play activities. Of this number, fourteen were permanently assigned to individual playgrounds; one acted as a special supervisor of folk dancing; and one gave part time to supervision of one playground and part time to general supervision of handwork. All but one of the supervisors are residents of Somerville. This statement is made to indicate that despite the Civil Service requirements as to qualifications, it is possible to secure from our own residents efficient supervision. From acquaintance with the conditions in other municipalities like ours, it can be stated that such was not the case in those places. The Director feels that this policy should be continued in Somerville unless its continuance should, in any way, handicap the effects of the playground organization.

The results obtained from giving special attention to handwork and dancing activities seem to argue that these two phases of the playground program should be supervised by individuals selected for that purpose; and the pursuance of this plan for the future is strongly recommended.

### Attendance

Mention has already been made of large and regular attendance at all the playgrounds, with a significant uniformity throughout each week and throughout the season on any given playground. Most noticeable in increased attendance were Fellsway, Kent Street and Lincoln Park playgrounds.

Noteworthy in connection with the attendance has been the apparent return to playground activities on the part of the larger boys—those of fourteen and fifteen years of age. The absence of boys of those ages had been noted and reported in 1922. The Director feels that there may be some connection between the increased attendance of this group of boys and the methods used for stimulating attendance, which are to be mentioned in the following paragraphs, and some further connection between this increase and the attempt to correlate Junior High School out-of-class activities and Playgrounds activities. The presence in goodly numbers of these larger boys is reported as important in the judgment of the Director because of their power of leadership and example among the younger boys. The propensity to imitate their seniors is the most characteristic trait of playground



boys, and the presence or absence of older boys determines or colors the methods used by supervisors on our Play Centers.

To stimulate attendance at, and interest in, the playgrounds, several methods and devices for propaganda were vigorously employed both during the season and in the weeks immediately preceding it. During the closing week of the public school term, in June, the Director of Playgrounds visited three of the Junior High Schools of the city and several of the Elementary Schools located in districts tributary to the play centers for the purpose of impressing upon the boys and girls of these schools the advantages of the Summer Playgrounds. Through the courtesy and co-operation of the school authorities, hundreds of boys and girls had their interest in the playgrounds awakened or renewed or intensified, and it is the opinion of the Director that the experiment was proportionately successful in its influence upon the summer attendance, spirit and activity.

In connection with the City's Fourth of July observance, free motion picture entertainments were given to children. They attracted eight large audiences. At each of these assemblies, held on the day preceding that of the playgrounds opening, five-minute talks by play-supervisors were given, with the aim of still further stimulating playground attendance and interest.

Other devices to the same end will be mentioned among the playground activities elsewhere in this report. They include the use of bulletin boards at the play centers, the publishing of results of athletic contests, and the personnel of athletic teams, etc.

#### Activities

In reporting on the activities conducted on the playgrounds, for purpose of clearness, the activities may be grouped under five heads, and distinguished as Games, Handwork, Dancing and Miscellaneous Activities, and Special Events, including the final Play Festival and Demonstration of Handwork.

**GAMES.** The principal portion of a playground program comprises active games and athletics. Baseball has, since the beginning, occupied the leading position among the boys of our summer playgrounds. But this year other forms of athletics hitherto given only minor attention were emphasized to such a degree as to secure almost as great interest as did baseball. This is especially true of track and field athletics.



Volley Ball, Dodge Ball, Squash Ball, German Bat Ball and other more modern active games involving team play and competition, held important place in the season's activities.

These latter games were played by girls as well as boys, and among both sexes inter-playground contests among representative teams were held in all of these games.

Quoits, cricket and the usual variety of ring games for both boys and girls enjoyed great popularity.

**BASEBALL.** Three inter-playground leagues were organized in baseball, one each for boys of three distinct classes, the basis of classification being the ages of the boys. Each of six playgrounds was represented by three teams, one in each league, making a total of eighteen teams participating in the inter-playground contests. In the Senior Leagues (for fourteen and fifteen-year-old boys), Central Hill and Lincoln Park boys tied for honors, and in the Intermediate and Junior Leagues, the Lincoln Park boys were the winners.

Considering that forty-five games were scheduled, involving ninety teams, half of them journeying from one section of the city to another, unaccompanied by any supervisors, it seems remarkable and worthy of mention that only two games were not actually played. Another noteworthy fact in connection with the baseball situation is that although there were no male supervisors on the Central Hill or Hodgkins School grounds, the boys of these centers exhibited sufficient spirit to organize their own teams, enter into the league competitions, and fulfill their assignments on the schedule.

**TRACK ATHLETICS.** Track and field athletics engaged the interest throughout the season of large groups of boys, and had the important value of interesting many boys who failed to gain membership on any of the league teams in baseball. The interest was stimulated and kept at high pitch throughout the season by means of competitive athletic meets, local, dual, and inter-playground. Each of the four large playgrounds for boys had a local athletic meet for its boys on a day appointed by schedule, at the beginning of the season. These meets were held during the middle week of the season. Shortly after mid-season, several dual meets were held, and later still the final inter-playground meet, in which all playgrounds were eligible for representation, furnished the climax to this form of activity. The final meet was held at Dilboy Field and attended by hundreds of boys and girls from every unit in the playground organization. The assemblage of so many hundreds of boys and girls from

every section of the city made this a gala day. The keen interest in the competition for scores, and the presence of many adult spectators, including his Honor, the Mayor, members of the Board of Aldermen, School Committee, and other public officials furnished an afternoon of enthusiasm.

In all of the athletic meets the boys were grouped in three classes, by ages, corresponding to the classes in the baseball leagues. In the Senior Class, Kent Street boys were the winners. In the Intermediate class, Fellsway was victorious, and in the Junior class, Lincoln Park won. For the highest score in the meet, reckoned on the scoring of all three classes combined, Fellsway was awarded the championship.

**OTHER INTER-PLAYGROUND CONTESTS.** Quiet tournaments between playgrounds, frequent inter-playground Dodge Ball and Bat Ball games, some for boys and some for girls, contributed also to the inter-playground rivalry.

Among the girls, singing games and the more quiet ring games were the most popular.

#### Handwork

Handwork of various kinds was highly popular on all playgrounds, more especially among the girls. The handwork produced on the playgrounds during the summer of 1923 excelled in quantity and quality that made during any previous season. This feature of our undertaking received much favorable comment, both from casual visitors at the playgrounds and from the general public, when at the close of the season it was publicly exhibited.

During the final week of the playground season the handwork was publicly exhibited for the inspection of residents of the community. This exhibition was located during the day and evening of the Twilight Play Festival in an open air booth connected with the store of Mrs. Elizabeth Morrison, opposite Central Hill Park, on which the Festival was held. Later the exhibit was located for periods of several days each, in the show windows of the Belcher Company in Union Square, and the Parke Snow Company in Davis Square. Thousands of people inspected these exhibitions and expressed considerable praise at the character and finish of the articles displayed. Included among the products were: serving trays constructed of reed and glass, and ornamented with butterflies and milk weed; baskets; sewing boxes; desk sets; paper dolls very attractively dressed in crepe paper gowns and hats of the pastel shades; vases; hammocks, sweaters; dresses; aprons; embroid-

ery pieces; kites made by the boys; and various articles useful and ornamental.

The initial expenditure for the handwork was made from the funds of the Somerville Playgrounds Associations, and the money obtained from the sale of materials to the children was, in turn, used for purchase of additional supplies. This method of conducting this branch of the playground work seems most desirable, because it eliminates the undesirable feature of free distribution to boys and girls at public expense.

#### Dancing

Folk dancing was the main attraction for many girls in various sections. As in the case of the handwork, this activity was supervised by a young lady employed for that purpose. Experience seems to show that this method secures best results, the chief advantage being the uniformity secured throughout the city. This uniform instruction in an activity so important in playground work, shows its result on such occasions as public demonstrations, or such a festival as was held during the closing week.

In the opinion of the Director, the results obtained in the dancing are most commendable. Commendation from all sides has, in fact, been heard. These results are in spite of the great handicap resulting from the lack of musical accompaniment on many grounds.

#### Miscellaneous Activities

Of special interest, this season, was the maintenance of bulletin boards on each playground. Items of interest, programs, results of games, baseball league standings, notices of coming events, names of players, contestants, winners, etc., were posted from time to time. Attention to use of these bulletins was practiced through the season by the supervisors, and it is certain that this device was a prominent factor in keeping up the interest. The bulletin boards afforded the added advantage of attracting and informing the adult passers-by—for many of our play areas are also thoroughfares for pedestrians—and this circumstance secured additional public interest in the work.

Among other miscellaneous activities should be mentioned kite flying, gymnastics, story telling, use of library books, enjoyment of swings, teeters and slides, and the varied activities which are mentioned in the following paragraph.



Within the past two years in the Junior High Schools of Somerville, certain out-of-class activities have been emphasized. Illustrative of these would be clubs, such as Sewing Club, Knitting Club, Hiking Club, Preserving and Cooking Clubs and athletics. During the closing weeks of school pupils enrolled for these activities in the schools were invited by the Director to project their activities into the summer months, with the assistance and encouragement of the playgrounds organization. This idea was carried out to some degree on the playgrounds, and was especially successful in connection with the handwork and track athletics. The Director is of the opinion that the future will show that the school phase of these activities will, in turn, profit by the advancement and encouragement they receive on the playgrounds.

#### Special Events

Certain occasional special events may be mentioned as factors in the work. Among these were Visiting Days for Parents, Outing for children of one playground or another at near-by Recreation Resorts, the Final Inter-Playground Track Meet, and the Twilight Play Festival.

#### Closing Play Festival

The closing festival held on the Wednesday evening of the final week of the season, at twilight, was calculated to serve a four-fold purpose, namely,

1. The purpose suggested by its name,
2. To demonstrate organized play to the public, and exhibit its results, with a view to securing wider public interest.
3. To encourage the children in their play activities, and to provide free public recreation for adults, while at the same time giving the children an opportunity to repay the community in part for the benefits they had received from the supervised playgrounds.

The Festival attracted several thousands of the public in addition to the seventeen hundred boys and girls who participated in the twenty events on the program. It was conducted on Central Hill park, in the area in front of the High School Buildings and the City Hall Annex. The program of events included competitive games for boys and girls, folk



dancing, accompanied by music furnished by a brass band; relay races; marches; drills; a doll carriage parade; and a procession of the participating children.

This Festival furnished a fitting close to the playground season.

#### Co-operation

One of the most encouraging feature of the playground undertaking, during the past season, is the assistance from agencies other than the department in direct charge of supervised recreation. This co-operation manifested itself in various ways. A few instances will be mentioned.

The Fire Department officials were accommodating and sent to the playgrounds hose wagons equipped with spray nozzles on extremely warm days, to provide shower baths for the children.

The Departments conducted by the City Engineer, the Building Commissioner, the Water Commissioner, and others which are closely connected with the playground management, rendered courteous and valuable assistance, not only when called upon, but frequently on their own voluntary initiative.

The Public Library placed at the disposal of the summer playgrounds a large deposit of books, suitable for the children, furnishing an additional source of recreation, and at the same time a medium for promoting the interest of children in a very profitable diversion—the reading of good books.

The merchants and business men, in the several sections of the city, cheerfully donated prizes, or gave other valuable assistance to individual playgrounds and to the entire organization, on various occasions during the season. The supplying of trucks for transportation of children to the track meet and to outings is an example in point.

To a striking degree, there was noted this summer, a degree of participation in play activities by the adult members of the community. For example: Many mothers came for long periods during afternoons to the Saxton C. Foss, Central Hill, Kent Street and Hodgkins Playgrounds, to mingle with the children, and even assisted in the actual supervision of the grounds.

These instances of co-operation furnish a hopeful outlook for the future, for when a municipal activity such as ours has secured the voluntary interest of the citizens, there can be no doubt as to its future growth.

### Recommendations

As a result of study and from experience with the playground situation in Somerville for a number of years, the Director submits the following definite recommendations for the future:—

1. The early completion of the playground in the rear of the Western Junior High School.
2. The placing of some permanent equipment on the Medford Street side of Central Hill Park.
3. Securing more adequate play space in the districts served by Kent Street and Bennett Playgrounds.
4. Early attention to improving Saxton C. Foss Park, with a view to utilizing the lower end of it for athletic purposes.
5. Initiating the operation of a new playground unit on the grounds of the Morse School, with these two provisions:—
  - (a) The removal of the old fence—now in a dilapidated condition that divides this area into halves,
  - (b) The erection of a high wire screen fence along those two sides of the school grounds that border upon the private property of citizens.
6. Additional swings on Lincoln Park Playground.
7. The planting of shade trees on some of the playgrounds to provide a natural shelter for the future.
8. Widening of the scope of the summer playground undertaking to include such fields as supervised play after school hours, and on Saturdays; and a closer relation between school recreation activities in the field now covered by the Public Welfare and Recreation Commission.

### Conclusion

Concluding the report for the season of 1923, I comment on the general subject of recreation in Somerville.

Continued experience in this type of work has convinced me that a city as populous and congested as Somerville must meet the problem of recreation as a municipal activity; for the problem of municipal recreation under such conditions is rising from its hitherto undefined level to a more definite and comprehensive plane.

To the Chairman and members of your body, for the assistance rendered during the season, I express appreciation. Gratitude is due especially to the Somerville Playgrounds Association for the co-operation and assistance it has rendered; as also to the other Municipal Departments mentioned elsewhere in this report.

The co-operative and friendly attitude of the playground supervisors deserves special mention, because without such assistance the Director would be handicapped.

A comment on the attitude of the children of Somerville towards the playgrounds seems not inappropriate here. Appreciating as much as anybody the short-comings and faults of children in the matter of respect for city property and undertakings, I nevertheless am confident that Somerville experiences what might be called a minimum of trouble in this regard.

Comparison with other communities, authoritative reports and personal observation indicate that we experience less difficulty in the conduct of the children during the summer months than many other communities of our size. Such misdemeanors and breaches of conduct as do occur are confined to a very small minority, and there have been few demonstrations of organized lawlessness.

There is encouragement in the knowledge that the returns from supervised recreation in our city are being made in the manifestations of orderliness and appreciation given by those on whom our efforts are expended.

Respectfully submitted,

FRANCIS J. MAHONEY,

*Director of Playgrounds.*

Jan. 2, 1924.

#### Report of Canning Supervisor

To the Public Welfare and Recreation Commission:

Permit me to submit a report of the Summer Canning School of 1923.

Canning Clubs were organized and conducted from June 15, 1923 through September 1923. Eighty-nine children were enrolled from the following schools: Proctor, Pope, Cutler, Glines, Edgerly, Southern Junior High, Eastern Junior High, and Western Junior High.

The club from each school met one day each week during the summer. The work was carried on at two centers, one in the Western Junior High School and the other in the Senior High School. These clubs are also enrolled with the County and State Departments and receive valuable assistance from their agents. Two instructors were employed regularly five days a week.

A central exhibition was held in October at the Senior High School. At this time fifty-seven children had completed the work required of them with honor. A total of over 2500 jars was canned and 400 jars of jellies and jams were preserved. The average value of each jar is \$0.40 making a total value of the work done \$1160.

Over 300 jars were attractively displayed at the exhibition and competent judges from the State Department of Agriculture awarded a first, second, and third prize, and honorable mention to ten others.

The total cost of carrying on this work was:

Equipment .....	\$27 50	
Salaries .....	283 50	
	<hr/>	\$311 00

In closing, permit me to express my appreciation to all those who have shown an interest and have been a help in this branch of school work. It is largely due to the cooperation of principals and teachers that the high standard of work accorded the Somerville girl canners is maintained. Special mention should be made of the splendid spirit and enthusiasm with which the girls in the Proctor and Eastern Junior High Schools carried on their work.

Respectfully submitted,

ESTELLE CROWE,

*Canning Supervisor.*

#### Report on Saturday Playgrounds and Public Evening Recreation

To the Public Welfare and Recreation Commission:

I am submitting a report on the conduct of two phases of public recreation, supervision over which has been assigned to me by your Commission:—namely,

- (1) Saturday Morning Organized Play for Children, and
- (2) Public Evening Recreation Centers for Adults.



Both undertakings were begun in the second week of November, and this report deals with their conduct up to December 31.

#### Saturday Morning Playgrounds

The Saturday morning playgrounds supervision was undertaken with the same objective that directs the summer playgrounds organization, and with similiar methods.

A slight variation, however, is to be noted in the special aims of the Saturday Playground work as distinguished from the Summer Playgrounds work:

- (1). The "Neighborhood Playgrounds" idea is emphasized, as expressed in the selection of smaller and less pretentious play areas, close to the homes of children of districts somewhat limited in area, rather than the larger play centers, such as the public parks, which are intended to serve larger districts.
- (2). Special emphasis is given to the attempt to interest and provide activity for smaller children—those below eleven years of age.

**GROUNDS.** Gradually, eight units of organized play have been successfully developed. The playgrounds are enumerated here:

#### FOR BOYS

Prescott School Grounds  
Morse School Grounds  
Perry School Grounds  
Joy Street Playground

#### FOR GIRLS

Prescott School Grounds  
Morse School Grounds  
Perry School Grounds  
Bennett School Grounds

(Boys under 8 years are welcomed on the Girls' Playgrounds.)

**SUPERVISION.** Correspondingly eight supervisors have been employed, four male supervisors for the boys' units, and four female supervisors for the girls' units. With two exceptions, these supervisors have previously been engaged in the same capacity on the Summer Playgrounds. The two excepted have essayed to fulfill the Civil Service requirements for this work.

**ACTIVITIES.** The activities are similar to those of the Summer Playgrounds though with the restrictions resulting from

the smaller size and from the location of the Saturday Playgrounds, and from the difference in the average age of the children.

**SESSION.** The session was at first two and one-half hours, but in some centers was later extended to three hours.

**ESTIMATE OF RESULTS OF THE EXPERIMENT.** This undertaking was new, and to some degree experimental. The outstanding conclusions, in the Director's judgment, follow:

1. The Saturday Playground is entitled to a position of great importance in planning a Municipal Recreation program.

2. The "Neighborhood Playground" plan enlists the activity of quite as many children—though in a larger number of units—as does the Summer Playgrounds plan of organization.

3. The "Neighborhood Playground" plan has the important merit that it reaches very many children who otherwise have not acquired the habit of utilizing the City's Playground facilities.

4. The "Neighborhood Playground" plan enlists the more intimate interest of a great number of parents.

5. The "Neighborhood Playground" plan must result in a greater attendance on the large playgrounds later, inasmuch as it "educates" children in their early years to the Municipal Playground idea.

6. The Saturday Playground plan contributes largely to a "carrying over" from summer to summer of the desirable results obtained in following the objectives of the Playgrounds work.

#### Public Evening Recreation Centers

The Public Evening Recreation Centers aim at profitable recreation—indoors—for adults. The scope of the work thus far has been limited to activities for young men. The work here was begun at the same time as that of the Saturday Playgrounds, and this report deals with the same period of time.

**CENTERS:** By gradual process, three evening centers have been developed. They are located in three school buildings, namely—the Bennett, which was the first to be organized, the Morse and the Bingham.

**ATTENDANCE.** The average attendance for all centers has been twenty-five young men for an evening, and the average age of those in attendance has been about eighteen. Very few above the age of twenty have been attracted, though it was not the original intention to restrict the activity for the benefit of youths.

**ACTIVITIES.** Since the whole enterprise is of a decidedly experimental nature, the program of activities is still in process of evolution. Naturally, a diversity is found among the local communities to which the individual centers cater; and accordingly, there is slight diversity in the nature of the activities.

Among the activities carried on may be mentioned:

1. Group singing and the organization of Glee Clubs.
2. Some reading.
3. Table games, puzzles and pastimes.
4. Half-hour "talks" by prominent athletes.
5. Discussion of current topics of interest, as radio.
6. Indoor athletics (in the Bingham School only).
7. Informal, unpretentious, improvised entertainments.
8. Whist and checker tournaments.

Of special interest, perhaps, to the Commission is the fact that on the Eve of Christmas Day, a group of youths, representing two of the Evening Centers, journeyed through the city singing Christmas Carols. They were transported by automobile truck, the use of which was volunteered by some of the singers themselves. The preparation for this event furnished, of course, recreational activity for several evenings preceding the event itself.

**SUPERVISION.** In the conduct of this undertaking two persons besides the Director have been employed for supervision, one being a leader in the musical activities for all three centers.

**ESTIMATE.** Recalling that this undertaking is still an experimental one, the Director is ready to express freely the opinion that there is a decided field for desirable work in this Public Evening Recreation; and that the results thus far achieved warrant the financial expenditure involved.

The Director judges that the Indoor Recreation Center for adults should have a position in the planning of a Municipal Recreation program.

Respectfully submitted,

FRANCIS J. MAHONEY.

Jan. 2, 1924.

**Report of Director of the Neighborhood House**

To the Public Welfare and Recreation Commission:

One hundred and eight children have enrolled in the Neighborhood Club. The dues are 50 cents a year payable in two installments, October and February. By the payment of dues a member has the privilege of belonging to any or all of the classes and attending all the parties and entertainments at the House or the Bennett Schoolhouse, across the street.

The activities are as follows:—

*Monday*

Two Dramatic classes 10 each; leaders, Misses Day and Wellington.

Cooking class, 10 girls; leader, Mrs. Perry.

Busy Work, 20; leader, Miss Fowler, Simmons College.

Boys' Club membership 7, invited guests 5; leader, Mrs. Hood.

*Tuesday*

Cooking class, 10 girls; leader, Mrs. Boothby, a Simmons graduate.

Sewing class, 15 girls; leader, Miss Smith of Simmons college.

Cane seating, 20 boys: leader, Mrs. Crosby, who is paid by the Service Club. Great enthusiasm is shown in this class. A boy can bring his own chair and pays 35 cents for the reed. After a boy has finished two chairs he receives 25 cents a chair for his work.

Busy work, leader Miss O'Brine of Jackson College. A part of the busy work is with children too small to be in classes, but who enjoy the homelike atmosphere of the club.



*Wednesday*

Two sewing classes, leaders, Mrs. Crosby and Miss Sadow, Simmons College.

Five music pupils, kindness of Miss Alice Fox; leader, Miss Colman.

Cooking class 10 girls, leader, Miss Levy, Simmons College.

*Thursday*

Boys' Gym class 24, leader, Mr. Shaw, Technology.

Girls' Gym class 20, leader, Miss Twist, Jackson College.

Cooking class 10 girls, leader, Mrs. Boothby.

Busy work.

*Friday*

Two music classes 10 each, Miss Colman, leader.

Sewing 10 girls, leader, Miss Edith Fox.

Under the local chapter of the Red Cross there is a class in home nursing, Miss Andrews, R. N. instructor; 30 girls enrolled. The interest in this class is pleasing; already several girls have expressed a desire to become a nurse and asked for information in regard to the educational requirements to enter a training hospital.

The Girl Scouts have a class at the House in Home Nursing.

We are drilling the children in the Operetta "On Plymouth Rock" to be given about the first of May.

The children are also working on Fancy Articles for a sale in June.

A Christmas Party with a performance by a Magician, A Valentine Party, four plays by the girls in the dramatic classes, and a party for the boys have been conducted.

At a social evening, the Greek and Italian mothers brought their needlework to show. They expressed great appreciation for the hospitality of the House and we hope to make this a monthly feature.

The Women's Neighborhood Club, 25 members, meets the second and fourth Wednesday afternoons when they have talks and entertainments, with a social tea. The first and third Wednesday evenings they have the use of the House for social times with their friends. The third Thursday evening they have the schoolhouse where they hold a Whist Party or entertainment.

Miss Baldwin read "Daddy-Long-Legs" to an audience of 250.

Mr. Harlan P. Knight will soon give his lecture on Lincoln.

All who come to the house appreciate their good times and the work shows a normal, healthy growth, proving that the work is worth while.

Respectfully submitted,

EMILY CAROLINE HOOD,

*Director of the Neighborhood House.*

PUBLIC WELFARE AND RECREATION COMMISSION  
FINANCIAL STATEMENT

Summer Playgrounds

Salaries,—Director . . . . .	\$210 00	
Supervisors, Assts. . . . .	1,484 00	
Janitor . . . . .	105 00	
Labor . . . . .	3 00	
	<hr/>	1,802 00
Supplies (Athletic, etc) . . . . .	277 20	
Badges . . . . .	24 54	
Disbursements . . . . .	18 20	
Sand . . . . .	20 48	
Repairs to equipment . . . . .	45 31	
Teaming . . . . .	30 00	
Band . . . . .	55 00	
Printing . . . . .	20 00	
Connecting lights (for last day) . . . . .	1 25	
Use of automobile . . . . .	75 00	
	<hr/>	566 98
Total . . . . .		\$2,368 98

Canning Work

Salaries . . . . .	283 50	
Supplies . . . . .	27 50	
	<hr/>	311 00

Social Center Work

Rent of McCarthy house . . . . .	87 50	
Part salary of social worker . . . . .	162 00	
Coal . . . . .	166 15	
Electric Lights . . . . .	9 03	
	<hr/>	424 68

Evening Centers and Saturday Playgrounds

	Evening	Saturdays	
Director . . . . .		\$546 67	
Supervisors . . . . .	196 50	80.50	
Games, Etc. . . . .	16 59	6 50	
Postage and disbursements	9 02		
			855 78

Miscellaneous

Middlesex County—for furthering garden work, etc. . . . .		100 00	
<b>Total</b> . . . . .			<b>\$4,060 44</b>

## REPORT OF THE CITY CLERK

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OFFICE OF THE CITY CLERK,  
January 1, 1924.

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

Gentlemen:—The following is respectfully submitted as the fifty-second annual report of the City Clerk of the City of Somerville, and is for the year ending December 31, 1923.

The receipts and payments were as follows:—

### Receipts

Balance from year 1922, being for dog licenses issued in December 1922			
2 males at \$2.00 . . . . .		\$ 4 00	
Less city clerk's fees paid to the city treasurer, 2 @ \$ .20 . . . . .		40	
		\$3 60	
For dog licenses issued in 1923:—			
715 males at \$2.00 . . . . .		1430 00	
168 females at 5.00 . . . . .		840 00	
86 spayed at \$2.00 . . . . .		172 00	
2 kennels at \$25.00 . . . . .		50 00	
		2492 00	
For hunting and fishing licenses issued in 1923:—			
177 hunting and fishing at \$2.00 . . . . .		354 00	
167 hunting and trapping at \$1.50 . . . . .		250 50	
5 alien hunting at \$15.00 . . . . .		75 00	
206 fishing at \$1.00 . . . . .		206 00	
2 alien fishing at \$2.00 . . . . .		4 00	
1 nonresident fishing at \$2.00 . . . . .		2 00	
		891 50	
Recording mortgages, assignments, etc., 797 papers . . . . .		1,090 90	
Certificates of marriage intentions,—1285 licenses and 3 duplicates . . . . .		1,288 00	
Furnishing copies of records . . . . .		262 75	
		2,641 65	3,387 10



Amount brought forward . . . . .	2,641 65	3,387 10
Licenses:—		
Auctioneers, 32 licenses including 1 granted in 1922 at \$2.00 . . . . .	64 00	
Billiard and pool tables and bowling alleys, 164 licenses for 113 tables and 51 alleys, including 7 tables granted in 1922 at \$2.00 . . . . .	328 00	
Drain layers, 6 licenses at \$1.00 . . . . .	6 00	
Drivers, 11 licenses at \$1.00 . . . . .	11 00	
Engines and motors,—		
24 licenses for 19 motors and 2 boilers, including 2 granted in 1922, at \$1.00 . . . . .	24 00	
Garages,—		
417 licenses including 21 granted in 1922, at \$2.00 . . . . .	834 00	
Gasoline Tanks, 56 licenses at \$1.00 . . . . .	56 00	
Hackney carriages, 11 licenses at \$1.00 . . . . .	11 00	
Intelligence offices, 4 licenses at \$2.00 . . . . .	8 00	
Junk and second hand licenses,—		
27 licenses, including 1 granted in 1921 and 1 granted in 1922 at \$10.00 . . . . .	270 00	
\$10.00 . . . . .	270 00	
23 licenses including 5 granted in 1922, at \$25.00 . . . . .	575 00	
Liquor licenses (Third Class), 21 at \$1.00 . . . . .	21 00	
Lodging house licenses, 43 including 2 granted in 1922 at \$2.00 . . . . .	86 00	
Second hand auto licenses, 29 including 2 granted in 1922 at \$25.00 . . . . .	725 00	
Slaughtering, 8 licenses at \$1.00 . . . . .	8 00	
Street Musicians, 6 licenses for 6 persons at \$.50 . . . . .	3 00	
Victualler licenses, 71 including 1 granted in 1922, at \$2.00 . . . . .	142 00	
Wagons, 77 licenses at \$1.00 . . . . .	77 00	
Wagon stands, 6 licenses at \$1.00 . . . . .	6 00	
Permits for projections over sidewalks, 43 permits for 37 signs, 2 awnings, 1 wire, 2 swing arms and 1 pole at \$1.00 . . . . .		
	43 00	
Filing certificates, under Acts of 1908, Chap. 502 at \$.50 . . . . .		
	3 00	
Interest on deposits . . . . .	17 20	
Witness fees . . . . .	3 10	
Physicians' Registration, 7 at \$.25 . . . . .	1 75	5,964 70
Total receipts . . . . .		9,351 80

## Payments

To Charles E. Hatfield, county treasurer,  
June 1 and December 1, receipts for  
dog licenses from December 1, 1922, to  
November 30, 1923, both inclusive:—

710 males at \$2.00 . . . . .	\$1,420 00	
167 females at \$5.00 . . . . .	835 00	
85 spayed at \$2.00 . . . . .	170 00	
2 kennels at \$25.00 . . . . .	50 00	
	<hr/>	
	2,475 00	
Less city clerk's fees, 964 at \$.20 . . . . .	192 80	2,282 20
	<hr/>	

To the Commissioners on Fisheries and  
Game, for Licenses for hunting and  
fishing in 1923

177 hunting and fishing at \$2.00 . . . . .	354 00	
167 hunting and trapping at \$1.50 . . . . .	250 50	
5 alien hunting at \$15.00 . . . . .	75 00	
206 fishing at \$1.00 . . . . .	206 00	
2 alien fishing at \$2.00 . . . . .	4 00	
1 nonresident fishing at \$2.00 . . . . .	2 00	
	<hr/>	
	891 50	
Less city clerk's fees, 558 at \$.15 . . . . .	83 70	807 80
	<hr/>	

To the city treasurer, monthly:—

City clerk's fees for issuing and re- cording dog licenses, 971 at \$.20 . . . . .	194 20	
City clerk's fees for issuing and re- cording fishing and hunting licenses, 558 at \$.15 . . . . .	83 70	
All the receipts above specified except for dog licenses and hunting and fish- ing licenses . . . . .	5,964 70	6,242 60
	<hr/>	<hr/>
Total payments . . . . .		9,332 60

Balance, January 1, 1924, being for dog  
licenses issued in December, 1923:—

7 males at \$2.00 . . . . .	\$14 00	
1 female at \$5.00 . . . . .	5 00	
1 spayed at \$2.00 . . . . .	2 00	
	<hr/>	
	21.00	
Less city clerk's fees paid to the city treasurer 9 at \$.20 . . . . .	1 80	19 20
	<hr/>	<hr/>
		\$9,351 80

## 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:—

Children under fifteen to take part in entertainments	4
Parade in streets, with music, etc.	8
To hold religious services in streets and squares	1
Newsboys	11
To move buildings through streets	2

## Births

1923

Number of births reported by physicians and midwives for 1923

Males	975
Females	956

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 children born 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 1923 will be given in the city clerk's report for the year 1924.

1922

The following is a statement in full of the births for 1922.

Number of births (exclusive of still births) in Somerville in 1922 registered	1,924
More than previous year	41
Males	993
Females	931
	<hr/>
	1,924
Born of American parents	894
Born of foreign parents	659
Born of American father and foreign mother	172
Born of foreign father and American mother	185
Born of American mother and father of unknown nationality	14
	<hr/>
	1,924

Number of still-births in Somerville in 1922 as registered	52
Number of births in other places in 1922 registered	653
Number of cases of twins . . . . .	16
Number of cases of triplets . . . . .	1

## Marriages

Number of intention certificates issued in 1923	1,285
More than previous year . . . . .	71
Marriages registered . . . . .	1,396
More than previous year . . . . .	167
Both parties American . . . . .	876
Both parties foreign . . . . .	215
American groom and foreign bride . . . . .	155
Foreign groom and American bride . . . . .	150
	<hr/>
	1,396 c'pls
First marriage of . . . . .	2,455
Second marriage of . . . . .	321
Third marriage . . . . .	16
	<hr/>
	1,396 c'pls

## Deaths

(Exclusive of still-births)

Number of deaths in Somerville in 1923 . . . . .	1,108
More than previous year . . . . .	89
Males . . . . .	487
Females . . . . .	621
	<hr/>
	1,108
Under ten years of age . . . . .	229
10 and under 20 years of age . . . . .	26
20 and under 30 years of age . . . . .	43
30 and under 40 years of age . . . . .	52
40 and under 50 years of age . . . . .	71
50 and under 60 years of age . . . . .	147
60 and under 70 years of age . . . . .	198
70 and under 80 years of age . . . . .	219
80 and under 90 years of age . . . . .	104
90 years of age and over . . . . .	19
	<hr/>
	1,108
Age of oldest person deceased . . . . .	101 years
Born in Somerville . . . . .	238
Born in other places in the United States . . . . .	468
Of foreign birth . . . . .	400
Birthplace unknown . . . . .	2
	<hr/>
	1,108



Number of deaths in January . . . . .	148
Number of deaths in February . . . . .	113
Number of deaths in March . . . . .	149
Number of deaths in April . . . . .	94
Number of deaths in May . . . . .	93
Number of deaths in June . . . . .	71
Number of deaths in July . . . . .	61
Number of deaths in August . . . . .	61
Number of deaths in September . . . . .	64
Number of deaths in October . . . . .	72
Number of deaths in November . . . . .	81
Number of deaths in December . . . . .	101
	1,108

The number of still-births during the year was eighty-six. In addition to the above 296 deaths which occurred elsewhere were recorded in Somerville, almost the entire number of persons deceased having been residents of this city.

## 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 (and certain non-intoxicating beverages) 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
1913	2,348	6,431	550	13,417	82,000
1914	2,178	5,535	488	13,404	85,000
1915	1,705	5,262	379	13,805	*86,854
1916	1,100	4,158	271	14,500	88,000
1917	1,291	3,457	232	13,826	90,000
1918	690	1,935	161	13,477	90,500
1919	2,777	2,297	261	14,810	91,000
1920				27,307	*93,091
1921	5,143	8,751	2,992	27,545	95,000
1922					96,000
1923	7,266	9,822	4,382	28,149	97,000

\*Census.

## ORDINANCES.

Somerville, January 1, 1924.

The following ordinances have been adopted since the printing of the annual reports for the year 1922:—

## ORDINANCE NO. 102.

## An Ordinance Establishing a Licensing Commission.

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. A licensing commission is hereby established under the provisions of chapter 191 of the Acts of the Legislature of Massachusetts for the year 1923, entitled "An Act Authorizing the Establishment of a Licensing Commission in the City of Somerville." The commission shall be composed of three residents of this city.

Section 2. The members of the commission shall be appointed by the Mayor, subject to the approval of the Board of Aldermen as soon as this ordinance takes effect, one to serve until the appointment and qualification of his successor in the year 1924, one to serve until the appointment and qualification of his successor in the year 1925, and one to serve until the appointment and qualification of his successor in the year 1926. There shall be appointed yearly, beginning in the year 1924, one member to serve for the period of three years and until his successor is appointed and qualified. Any vacancy shall be filled by appointment for the balance of the unexpired term.

Section 3. In addition to the powers mentioned in said chapter 191, the commission shall have in charge the issuing of licenses for garages for not more than two automobiles subject to the provisions of ordinances heretofore and hereafter passed relating to such garages.

Section 4. Whoever erects, occupies, or uses a garage for not more than two automobiles without a license from the commission shall be liable to a penalty of not more than twenty dollars for each offense. This section shall not apply to an erection, occupation or use heretofore licensed by the Board of Aldermen.

Section 5. This ordinance shall take effect upon its passage.

Approved July 18, 1923.

ORDINANCE NO. 103.

**An Ordinance Relative to Fire Protection of Ceilings of Garage Buildings.**

Be it ordained by the Board of Aldermen of the City of Somerville as follows:

Section 1. The ceilings or the underside of the roof of all one story second class garages, hereafter constructed, having a capacity of one, two or three motor vehicles, shall be fire protected with metal lath and cement plaster to a thickness of not less than three quarters of an inch.

Section 2. This ordinance shall take effect upon its passage.

Approved August 13, 1923.



## ELECTIONS

The following is a statement of the votes cast in the several wards of the city, for the candidates for the various offices and on the question of granting licenses for the sale of certain non-intoxicating beverages in this city, at the city election held December 11, 1923.

CANDIDATE.	PARTY.	WARDS.							Total.
		1	2	3	4	5	6	7	
<b>MAYOR</b>									
John J. Murphy	Democratic	1,396	1,893	1,196	749	1,485	1,698	1,401	9,818
John M. Webster	Republican	1,098	269	1,454	1,293	1,672	2,050	3,646	11,482
<b>ALDERMAN-AT-LARGE, WARD 1.</b>									
Lyman A. Hodgdon	Republican	1,331	416	1,304	1,217	1,704	1,993	3,277	11,242
<b>ALDERMAN-AT-LARGE, WARD 2.</b>									
Edwin J. Grant	Republican	969	583	1,282	1,139	1,664	1,956	3,203	10,796
<b>ALDERMAN-AT-LARGE, WARD 3</b>									
Thomas D. Mitchell	Republican	922	420	1,630	1,111	1,611	1,892	3,137	10,723
<b>ALDERMAN-AT-LARGE, WARD 4.</b>									
John S. Smith, Jr.	Republican	907	358	1,236	1,387	1,616	1,862	3,094	10,460
<b>ALDERMAN-AT-LARGE, WARD 5.</b>									
Arthur W. Russell	Republican	885	356	1,246	1,101	1,835	1,846	3,096	10,365
<b>ALDERMAN-AT-LARGE, WARD 6.</b>									
Albert E. Hughes	Republican	941	425	1,244	1,099	1,626	2,243	3,106	10,681
Henry Miller								1	1
Enoch B. Robertson							1		1
<b>ALDERMAN-AT-LARGE WARD 7.</b>									
Arthur F. Mason	Republican	880	339	1,218	1,057	1,571	1,861	3,653	10,579

CANDIDATE.	PARTY.	WARDS.							Total.
		1	2	3	4	5	6	7	
WARD ALDERMAN, WARD 1.									
William F. Burns	Democratic	1,356							1,356
Daniel A. Downey	Democratic	1,229							1,229
Wallace E. Loveless	Republican	989							989
Francis J. Murphy	Republican	840							840
WARD ALDERMAN, WARD 2.									
Joseph A. Haley	Democratic		1,741						1,741
John J. Hoban	Democratic		1,587						1,587
WARD ALDERMAN, WARD 3.									
William C. Abbott	Republican			1,287					1,287
George A. Berry	Republican			1,344					1,344
William F. Fitzgerald	Democratic			879					879
James C. Scanlan	Democratic			1,190					1,190
WARD ALDERMAN, WARD 4.									
Henry J. Connell	Republican				1,514				1,514
Warren A. Perry	Republican				1,305				1,305
WARD ALDERMAN, WARD 5.									
Warren C. Blair	Republican					1,629			1,629
Charles C. Grimmons	Republican					1,780			1,780
John E. O'Brien	Democratic					1,319			1,319
WARD ALDERMAN, WARD 6.									
I. Ormand Jackson	Republican						2,026		2,026
William M. Morrison	Republican						2,129		2,129
Dennis H. McKenzie							306		306
David E. Foley							289		289
WARD ALDERMAN, WARD 7.									
Paul O. Curtis	Republican						3,766		3,766
Albert F. McLean	Republican						3,632		3,632
SCHOOL COMMITTEE, WARD 1.									
Francis J. Fitzpatrick	Democratic	1,332							1,332
Emma Prichard Hadley	Republican	999							999
Elmer B. Hayes	Republican	977							977
John J. Hayes	Democratic	1,244							1,244
SCHOOL COMMITTEE, WARD 2.									
Daniel H. Bradley	Democratic		1,640						1,640
Christopher Muldoon, Jr.	Democratic		1,425						1,425

CANDIDATE.	PARTY.	WARDS.							Total
		1	2	3	4	5	6	7	
<b>SCHOOL COMMITTEE, WARD 3.</b>									
Charles W Boyer	Republican			1,469					1,469
Oscar W. Coddig	Republican			1,449					1,449
<b>SCHOOL COMMITTEE, WARD 4.</b>									
Katherine C. Coveney	Republican				1,356				1,356
Walter E. Whitaker	Republican				1,405				1,405
<b>SCHOOL COMMITTEE, WARD 5.</b>									
Harry M. Stoodley	Republican					1,867			1,867
Minnie S. Turner	Republican					1,859			1,859
<b>SCHOOL COMMITTEE, WARD 6.</b>									
Walter I. Chapman	Republican						2,277		2,277
Walter F. Turner	Republican						2,247		2,247
Mrs. Fronie Johnson							1		1
Robert Ramsy							1		1
<b>SCHOOL COMMITTEE, WARD 7.</b>									
Herbert Cholerton	Republican							3,725	3,725
Edwin A. Shaw	Republican							3,678	3,678
George E. Heath								1	1
<b>"SHALL LICENCES BE GRANTED FOR THE SALE OF CERTAIN NON-INTOXICATING BEVERAGES IN THIS CITY?"</b>									
"YES"		1,014	1,114	857	624	954	1,333	1,370	7,266
"NO"		899	488	1,280	1,049	1,575	1,694	2,837	9,822

## ASSESSED POLLS AND REGISTERED VOTERS.

WARD	Pct.	As- sessed Polls, April 1, 1923	REGISTERED VOTERS.								
			Nov. 7, 1922 Men	Nov. 7, 1922 Women	Re- vised Lists of July 1923 Men	Re- vised Lists of July 1923 Women	Add- ed in July 1923 Men	Add- ed in July 1923 Women	Dec. 11, 1923 Men	Dec. 11, 1923 Women	Voted Dec. 11, 1923
Ward 1	Pct. 1	1,709	810	563	700	492	110	71	772	550	1091
" 1	" 2	1,135	597	391	506	332	91	59	544	370	697
" 1	" 3	590	318	194	287	173	31	21	311	197	430
" 1	" 4	658	205	106	188	100	17	6	206	122	297
		4,092	1,930	1,254	1,681	1,097	249	157	1,833	1,239	2,515
Ward 2	Pct. 1	1,116	366	187	309	155	57	32	337	177	411
" 2	" 2	1,948	882	587	792	518	90	69	909	660	1,217
" 2	" 3	890	403	215	364	199	39	16	417	248	554
		3,954	1,651	989	1,465	872	186	117	1,663	1,085	2,182
Ward 3	Pct. 1	1,456	924	732	838	673	86	59	884	759	1,383
" 3	" 2	1,351	835	649	759	607	76	42	811	696	1,290
		2,807	1,759	1,381	1,597	1,280	162	101	1,695	1,445	2,673
Ward 4	Pct. 1	1,472	889	672	803	599	86	73	848	649	1,065
" 4	" 2	1,419	798	611	706	531	92	80	746	573	1,000
		2,891	1,687	1,283	1,509	1,130	178	153	1,594	1,222	2,065
Ward 5	Pct. 1	1,592	983	896	874	807	109	89	917	845	1,234
" 5	" 2	1,235	746	584	670	530	76	54	701	579	973
" 5	" 3	1,075	679	528	606	476	73	52	658	536	973
		3,902	2,408	2,008	2,150	1,813	258	195	2,276	1,960	3,180
Ward 6	Pct. 1	1,250	693	513	641	462	52	51	711	542	1,036
" 6	" 2	1,333	738	416	623	356	115	60	694	423	823
" 6	" 3	1,016	643	463	579	430	64	33	608	480	793
" 6	" 4	1,331	893	663	804	607	89	56	849	650	1,117
		4,930	2,967	2,055	2,647	1,855	320	200	2,862	2,095	3,769
Ward 7	Pct. 1	1,168	811	669	754	611	57	58	800	647	1,013
" 7	" 2	1,450	901	713	779	644	122	69	812	676	1,006
" 7	" 3	1,721	1,011	735	923	675	88	60	1006	757	1,235
" 7	" 4	1,203	761	613	698	535	63	78	757	579	1,020
" 7	" 5	1,059	614	482	575	461	39	21	637	509	814
		6,601	4,098	3,212	3,729	2,926	369	286	4,012	3,163	5,088
City	.....	29,177	16,500	12,182	14,778	10,973	1,722	1,209	15,935	12,214	21,472



## CITY GOVERNMENT AND OFFICERS FOR 1923

### Mayor.

JOHN M. WEBSTER, 76 Boston Street

### Board of Aldermen.

*President.* WALDO D. PHELPS

*Vice-President.* ARTHUR F. MASON

#### WARD ONE

Lyman A. Hodgdon, Alderman-at-Large . . . . .	8 Indiana Avenue
William F. Burns . . . . .	21 Illinois Avenue
John R. Spiers . . . . .	52 Franklin Street

#### WARD TWO

Robert C. Harris, Alderman-at-Large . . . . .	12 Dimick Street
Joseph A. Haley . . . . .	7 Linden Street
John Joseph Hoban . . . . .	39 Mansfield Street

#### WARD THREE

William C. Abbott, Alderman-at-Large . . . . .	73 Avon Street
George A. Berry . . . . .	60 Prescott Street
Thomas D. Mitchell . . . . .	25 Warren Avenue

#### WARD FOUR

Waldo D. Phelps, Alderman-at-Large . . . . .	14 Delaware Street
John S. Smith, Jr. . . . .	<b>52 Sydney Street</b>
Henry F. Welch . . . . .	56 Otis Street

#### WARD FIVE

Fred Allen, Alderman-at-Large . . . . .	121 Central Street
J. Freeman Saville . . . . .	64 Sycamore Street
Arthur W. Russell . . . . .	16 Heath Street

#### WARD SIX

Enoch B. Robertson, Alderman-at-Large . . . . .	39 Highland Road
Albert E. Hughes . . . . .	262 Highland Avenue
William M. Morrison . . . . .	97 Rogers Avenue

## WARD SEVEN

Hiram N. Dearborn, Alderman-at-Large	86 Electric Avenue
Emerson J. Coldwell	27 Hall Avenue
Arthur F. Mason	18 Hall Avenue

*City Clerk.* JASON M. CARSON

*Assistant City Clerk.* HENRY J. ALLEN

*City Messenger.* FRED E. HANLEY

Regular meetings second and fourth Thursday evenings of each month, at eight 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 Mason, Spiers, Hoban, Mitchell and Hughes.
FINANCE—The President, Aldermen Haley, Robertson, Allen, Mason, Abbott and Hodgdon.
LEGISLATIVE MATTERS—Aldermen Saville, Mitchell, Haley, Coldwell and Smith of Ward Four.
LICENSES AND PERMITS—Aldermen Smith of Ward Four, Burns, Abbott, Harris, Dearborn, Morrison and Russell.
PUBLIC PROPERTY—Aldermen Burns, Welch, Hughes, Berry, Saville, Hoban and Coldwell.
PUBLIC SAFETY—Aldermen Hughes, Burns, Mason, Smith of Ward Four and Haley.
PUBLIC SERVICE—Aldermen Harris, Hodgdon, Morrison, Russell, Abbott, Welch and Dearborn.
PUBLIC WORKS—Aldermen Robertson, Allen, Welch, Spiers, Hoban, Berry and Coldwell.

**School Committee**

*Chairman.* HERBERT CHOLERTON

*Vice-Chairman.* Walter I. Chapman

**Members**

Hon. John M. Webster Mayor, (ex-officio)	76 Boston Street,
Waldo D. Phelps, President of the Board of Aldermen, (ex-officio)	14 Delaware Street

WARD ONE

Julia A. Crowley	34 Pinckney Street
Francis J. Fitzpatrick	2 Austin Street

WARD TWO

Daniel H. Bradley	19 Concord Avenue
Christopher J. Muldoon	88 Concord Avenue

## WARD THREE

Charles W. Boyer . . . . .	66 Avon Street
Oscar W. Coddington . . . . .	59 Vinal Avenue

## WARD FOUR

Katherine C. Coveney . . . . .	73 Marshall Street
Edward I. Tripp . . . . .	21 Wigglesworth Street

## WARD FIVE

Harry M. Stoodley . . . . .	238 Highland Avenue
Minnie S. Turner . . . . .	64 Hudson Street

## WARD SIX

Walter I. Chapman . . . . .	18a Central Street
Walter Frye Turner . . . . .	15 Highland Road

## WARD SEVEN

Herbert Cholerton . . . . .	94 College Avenue
Paul O. Curtis . . . . .	41 Mason Street

*Superintendent and Secretary*—CHARLES S. CLARK

Regular meetings last Monday evening of each month, except July and August, when none are held, and December, when meeting is held on the Friday preceding the first Monday in January.

## Assessors

FRED E. WARREN, Chairman (term expires 1926)  
 WINSOR L. SNOW (term expires 1924)  
 HARRY VAN IDERSTINE (term expires 1926)  
 J. ROBERT FENELON (term expires 1925)  
 DAVID B. ARMSTRONG (term expires 1924)

## Assistant Assessors

FRED B. CLAPP	JOHN J. MCCARTHY
LAWRENCE J. WARD	JOHN M. NANGLE
JOSEPH O. KNOX	LEONARD C. SPINNEY

## Board of Health

WESLEY M. GOFF (term expires 1925)  
 JAMES A. KILEY (term expires 1924)  
 CHESLIE A. C. RICHARDSON, M. D., Chairman (term expires 1924)  
*Clerk*—LAURENCE S. HOWARD  
*Agent*—GEORGE I. CANFIELD  
*Medical Inspector*—FRANK L. MORSE, M. D.  
*Inspector of Animals and Provisions*—CHARLES M. BERRY  
*Inspector of Milk and Vinegar*—HERBERT E. BOWMAN

## Licensing Commission

WILLIAM J. SHANAHAN (term expires 1928)  
 EUGENE M. CARMAN (term expires 1926)  
 WILLIAM H. SMITH (term expires 1924)

**Overseers of the Poor**

FRED E. DURGIN, Chairman (term expires 1926)  
 MICHAEL COLL, Vice-Chairman (term expires 1924)  
 GEORGE G. BRAYLEY (term expires 1925)  
*Agent*—WILLIAM E. COPITHORNE  
*Warden, City Home*—J. FOSTER COLQUHOUN  
*Matron, City Home*—CATHERINE COLQUHOUN

**Planning Board**

WILLIAM F. RILEY, Chairman (term expires 1926)  
 DAVID J. KELLEY, Secretary (term expires 1924)  
 BENJAMIN J. SURRETT (term expires 1925)  
 JOHN WILLIAMSON (term expires 1927)  
 GEORGE J. RAUH (term expires 1928)

**Registrars of Voters**

EDWIN D. SIBLEY, Chairman (term expires 1924)  
 DOUGLASS B. FOSTER (term expires 1926)  
 CHARLES LEO SHEA (term expires 1925)  
 JASON M. CARSON, City Clerk

**Public Library Trustees**

THOMAS M. DURRELL, Chairman (term expires 1925)  
 J. FRANK WELLINGTON, (term expires 1926)  
 WILLIAM L. BARBER (term expires 1925)  
 HERBERT L. BUFFUM (term expires 1926)  
 GILES W. BRYANT (term expires 1924)  
 DAVID H. FULTON (term expires 1924)  
 FRANK M. BARNARD (term expires 1925)  
 ALBERT L. HASKELL (term expires 1924)  
 LEON M. CONWELL (term expires 1924)  
*Librarian and Secretary*—GEORGE H. EVANS

**Public Welfare and Recreation Commission**

ERNEST W. BAILEY (term expires 1925)  
 SOPHIE C. BATEMAN (term expires 1925)  
 WILLIAM E. COPITHORNE (term expires 1925)  
 GEORGE L. DUDLEY (term expires 1925)  
 FLORENCE B. HAMILTON (term expires 1924)  
 WILLIAM S. HOWE (term expires 1924)  
 MARGARET L. MAGUIRE (term expires 1925)  
 MARY M. MCGANN (term expires 1924)  
 ANNIE M. SMITH (term expires 1924)

**City Clerk**

JASON M. CARSON  
*Assistant City Clerk*—HENRY J. ALLEN

**City Treasurer and Collector of Taxes**

JOSEPH S. PIKE



## ANNUAL REPORTS.

**City Messenger**

FRED E. HANLEY

**Mayor's Secretary**

SUMNER M. TEELE

**City Solicitor**

FRANK W. KAAAN

**Assistant City Solicitor**

RALPH M. SMITH

**City Auditor**

HOWARD E. WEMYSS

**City Engineer**

ERNEST W. BAILEY

**Commissioner of Streets**

ASA B. PRICHARD

**Commissioner of Public Buildings and Inspector of Buildings**

GEORGE L. DUDLEY

**Commissioner of Electric Lines and Lights**

WALTER I. FULLER

**Water Commissioner**

FRANK E. MERRILL

**Superintendent of Sanitary Department**

EDGAR T. MAYHEW

**Clerk of Committees**

RICHARD A. KEYES

**Chief of Police**

CHARLES A. KENDALL

**Chief Engineer of the Fire Department**

SEWALL M. RICH

**City Physician**

FRANK E. BATEMAN

**Inspector of Plumbing**

DUNCAN C. GREENE

**Inspector of Milk and Vinegar**

HERBERT E. BOWMAN

**Inspector of Animals and Provisions**

CHARLES M. BERRY

**Inspector of Petroleum**

SEWALL M. RICH

**Sealer of Weights and Measures**

BENJAMIN S. ABBOTT

**Registration Clerk, City Laborers**

FLORENCE A. COOK

**Fence Viewers**

CHARLES M. BERRY

HOWARD LOWELL

**Agent of Military and State Aid and Soldiers' Relief and Burial Agent**

BENJAMIN S. ABBOTT

**Constables**

MAURICE F. AHEARN  
CHARLES M. AUSTIN  
CHARLES W. F. BENNETT  
EUGENE A. CARTER  
WILLIAM E. COPITHORNE  
WINSLOW W. COFFIN  
THOMAS DAMERY  
WILLIAM J. DIGUISEPPE  
CHARLES L. ELLIS  
ARTHUR L. GILMAN  
FRED E. HANLEY

JAMES M. HARMON  
FRANK B. KARCHER  
CHARLES A. KENDALL  
MICHAEL T. KENNEDY  
ELBRIDGE G. LAVENDER  
EDWARD E. MARSH  
JOHN M. NANGLE  
HECTOR PALLADINO  
JOHN A. RAY  
JOHN F. SCANNELL  
WILLIAM E. YOUNG

## REPORT OF LICENSING COMMISSION

---

February 25, 1924.

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

Gentlemen:

The Licensing Commission respectfully submits the following report for the year 1923. Up to August 9, 1923, the License Commission still functioned for the granting of Lord's Day Licenses only. The same rules and general principles applied to this class of license that had been carried out in former years. One hundred and nine new licenses were granted and five hundred and forty-five dollars paid to the city treasurer for revenue.

On August 9, 1923 the License Commission suspended its activities and work as a body acting under the General Laws of the Commonwealth by virtue of the passage by the Legislature of an Act authorizing the city of Somerville to establish by ordinance a Licensing Commission.

His honor the Mayor following the passage of said ordinance appointed to the new Licensing Commission the undersigned who had comprised the old License Commission. The Licensing Commission received by ordinance from the Board of Aldermen the right to grant licenses on all applications for garages holding not more than two automobiles.

The commission approached this new phase of its work with an earnest desire to respond to the intent of the ordinance by facilitating the granting of licenses for garages, thus giving to our citizens and residents a speedier report on their applications.

Applications were received and acted upon by the Commission as follows:

### Garage Licenses

- 163 Applications received.
- 137 Licenses granted and issued.
- 4 Licenses granted but not issued (fees unpaid).
- 11 Applications leave to withdraw.
- 1 Application (motorcycle garage) no action necessary.
- 10 Applications laid over to 1924.

## LORD'S DAY LICENSES

- 49 Applications received.
- 20 Licenses granted and issued.
  - 1 License granted but not issued (fee unpaid).
  - 1 Transfer of location.
- 26 Applications leave to withdraw.
- 1 Application laid over to 1924.

Fees for the above licenses granted and issued, amounting to \$374.50 were paid over to the city treasurer.

Respectfully submitted,

EUGENE M. CARMAN,

WM. H. SMITH,

WM. J. SHANAHAN,

*Licensing Commission.*

Attest:

R. A. KEYES,  
*Secretary.*



## REPORT OF THE COMMISSIONER OF ELECTRIC LINES AND LIGHTS

---

Somerville, Mass.,  
January 1, 1924.

To the Honorable, the Mayor and the Board of Aldermen of  
the City of Somerville.

Gentlemen:—

I most respectfully submit my fifteenth annual report as Commissioner of Electric Lines and Lights for the year ending December 31, 1923.

### Inspection of Wiring in Buildings

The work of the inspection department has increased greatly over last year.

More new buildings have been erected and more old buildings have been wired than in previous years. To take care of this increase of electrical installations constant supervision is required.

Old installations should be inspected periodically as it is found that improper connections are often made by unlicensed electricians or by occupants and no permit obtained from or notification sent to this office.

When these are found orders are given to have defects remedied and the work must be done for the second time.

Attaching flat irons, washing machines, cooking and heating appliances is a very bad practice which is increasing and it is found that lighting circuits are being overfused and overloaded which constitutes a fire hazard and is not discovered until damage is done to the premises where such conditions exist.

Such attachments to lighting circuits or sockets are not approved and separate circuits must be run for these appliances.

The draping of paper and other inflammable material over electric light bulbs is another menace and fires have been caused by such decorations.

I again call the attention of the public to the necessity of having only reliable licensed electricians do any work of an electrical nature as expense and annoyance will be avoided.

Number of notifications of new work . . . . .	2749
Number of inspections of new work . . . . .	4300
Number of re-inspections of new work . . . . .	518
Number of inspections of old work . . . . .	20
Number of defective installations of old work . . . . .	5
Number of defective installations remedied . . . . .	5
Number of re-inspections of old work . . . . .	5
<hr/>	
Total number of inspections . . . . .	4848
Number of permits issued to the Edison Electric Illuminating Co. for installing meters, lamps, etc. . . . .	5102

#### Fire Alarm System

The Fire Alarm System is in excellent condition but some replacement of apparatus is required.

The old storage batteries have been replaced by new and are in good condition.

308 bell alarms have been received and transmitted during the year.

831 telephone calls for fire were received and fire department sent.

5 A. D. T. alarms were received and transmitted.

The central office equipment consists of the following:

- 2— 6 circuit operating boards.
- 1— 5 circuit tapper board.
- 1— 5 circuit gong board.
- 2— 16 circuit storage battery charging boards.
- 1— 32 circuit protector board.
- 1— 12 circuit automatic repeater.
- 1— dial, 4 number manual transmitter.
- 2— 5 circuit punching registers.
- 13 punching registers and take up reels.
- 2 automatic time and date stamps.
- 1 master clock.
- 940 cells storage battery.
- 5— 10 foot 4 shelf battery racks.
- 4 metropolitan tappers and 2 gongs.

The apparatus outside the central office consists of the following:

- 134 signal boxes.
- 7 tower strikers.
- 45 gongs.
- 10 punching registers.
- 20 tappers.
- 8 private telephones.

About 60 miles of overhead wires and 78½ miles of underground wires Three new boxes have been installed. Box 723 High Street cor. Boulevard; Box 437 Prichard Ave. cor. Kidder Ave. and Special box at Boston Elevated Car Barn.

12,500 feet of new overhead wire has been run and 29,650 feet of old wire removed.

2,600 feet of underground cable was installed.

**Police Signal System**

The police Signal System which was installed 11 years ago begins to show signs of wear and some of the apparatus will have to be replaced.

Some trouble has been found with signal boxes but service has not often been interrupted.

A number of boxes have been overhauled and parts replaced.

A new register and time stamp for the signal desk is necessary.

The system consists of the following:

- 1 — 4 circuit police desk.
- About 19½ miles of overhead wire.
- 4 special boxes.
- 59 street signal boxes.
- About 13 miles of underground cable.

**Supervision of Poles and Wires on the Streets.**

The same attention has been given to the condition of poles and wires on the streets as in previous years. A number of defective poles have been replaced by the companies owning same.

New poles have been placed in locations granted for the purpose of supplying lighting and telephone service and abandoned poles have been removed.

	New poles	Re-placed	Re-moved	Re-set
New England Telephone & Telegraph Company	2	29	16	7
Edison Electric Illuminating Company	60	153	19	1
Boston Elevated Railway Company	8	3		
Permits given to the New England Tel. & Tel. Co. for attachments to the Edison Company's poles	33			
Permits given to the Edison Electric Ill. Co. for attachments to the New England Tel. & Tel. Company's poles	71			

### Street Lighting.

The matter of street lighting has had the same attention as in previous years and additional lights have been placed in various parts of the City.

More lights are required in the western part of the City as some new streets are inadequately lighted.

Additional spot lights have been installed at places where traffic officers are posted and are of great assistance to them.

The number of street lights January 1, 1924 are as follows:

155 Magnetite lights.  
381 — 600 C. P. lights.  
129 — 125 C. P. lights.  
970 — 60 C. P. lights.

### Recommendation

I respectfully recommend that two assistant inspectors be employed to enable the department to more thoroughly cover all new and old installations of electrical wiring in the City. This is imperative as the work cannot be done by one man.

### Conclusion

I wish to thank His Honor, the Mayor, the members of the Board of Aldermen and the several departments for the many courtesies received.

Respectfully yours,

WALTER I. FULLER,

*Commissioner of Electric Lines and Lights.*



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