






CITY OF SOMERVILLE

# ANNUAL REPORTS

1893



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1894.



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# CITY GOVERNMENT AND OFFICERS FOR 1893.

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## MAYOR.

WILLIAM H. HODGKINS,  
188 Central Street.

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## BOARD OF ALDERMEN.

WILLIAM L. BARBER, *President*.

### WARD ONE,

EDRIC ELDRIDGE . . . . 88 Pearl Street.  
CHARLES B. SANBORN . . . . 4 Austin Street.

### WARD TWO,

FRANK E. FITTS . . . . 17 Pleasant Avenue.  
FRANKLIN J. HAMBLIN . . . . 30 Walnut Street.

### WARD THREE,

WILLIAM L. BARBER . . . . 36 Marshall Street.  
JOHN ANDREWS . . . . 34 Albion Street.

### WARD FOUR,

CHARLES A. G. WINTHER . . . . 408 Highland Avenue.  
FRANKLIN F. PHILLIPS . . . . 211 Holland Street.

## CLERK.

GEORGE I. VINCENT.

## COMMON COUNCIL.

FRED W. GILBERT, *President.*

## WARD ONE,

ISAIAH H. WILEY . . . .	54 Mt. Vernon Street.
HERBERT E. MERRILL . . . .	44 Florence Street.
LEWIS STOCKBRIDGE . . . .	33 Pinckney Street.
WILFRED B. RICH . . . .	13 Franklin Street.

## WARD TWO,

FRED W. GILBERT . . . .	101 School Street.
GEORGE B. CLARKE . . . .	31 Berkeley Street.
ARTHUR W. HAYNES . . . .	11 Parker Street.
FRANK W. KAAH . . . .	12 Pleasant Avenue.

## WARD THREE,

CALVIN H. WHITNEY . . . .	68 Gilman Street.
LEONARD B. CHANDLER . . . .	45 Jaques Street.
G. FRANKLIN WILKINS . . . .	98 Central Street.
GEORGE H. RUSS . . . .	28 Montrose Street.

## WARD FOUR,

FRANKLIN E. HUNTRESS . . . .	318 Elm Street.
J. WILLARD JONES . . . .	217 Beacon Street.
FREDERICK A. P. FISKE . . . .	52 Cherry Street.
BENJAMIN J. DOWNS . . . .	5 Claremon Street.

## CLERK.

CHARLES S. ROBERTSON.



**JOINT STANDING COMMITTEES OF THE CITY COUNCIL.**

ACCOUNTS.—Aldermen Hamblin, Winther; Councilmen Merrill, Wilkins, Clarke.

CITY ENGINEERING.—Aldermen Barber, Sanborn; Councilmen Wilkins, Haynes, Downs.

CLAIMS.—His Honor the Mayor; Alderman Hamblin; the President of the Common Council; Councilmen Rich, Fiske.

FINANCE.—His Honor the Mayor; Aldermen Fitts, Phillips; the President of the Common Council; Councilmen Stockbridge, Whitney, Kaan, Fiske.

FIRE DEPARTMENT.—Aldermen Fitts, Phillips; Councilmen Wiley, Jones, Wilkins.

FUEL AND STREET LIGHTS.—Aldermen Sanborn, Winther; Councilmen Jones, Haynes, Russ.

HIGHWAYS.—Aldermen Barber, Sanborn; Councilmen Wiley, Clarke, Downs.

LEGISLATIVE MATTERS.—His Honor the Mayor; Alderman Barber; the President of the Common Council; Councilmen Fiske, Chandler.

ORDINANCES.—Aldermen Phillips, Hamblin; Councilmen Stockbridge, Huntress, Russ.

PRINTING.—Aldermen Hamblin, Eldridge; Councilmen Whitney, Huntress, Merrill.

PUBLIC GROUNDS.—Aldermen Winther, Fitts; Councilmen Stockbridge, Haynes, Chandler.

PUBLIC PROPERTY.—Aldermen Eldridge, Andrews; Councilmen Huntress, Kaan, Rich.

SOLDIERS' RELIEF.—Aldermen Andrews, Eldridge; Councilmen Jones, Clarke, Russ.

WATER.—Aldermen Andrews, Phillips; the President of the Common Council; Councilmen Rich, Downs.

**STANDING COMMITTEES OF THE BOARD OF ALDERMEN.**

ELECTIONS.—Aldermen Phillips, Fitts, Barber.

ENROLLED ORDINANCES.—Aldermen Winther, Eldridge, Hamblin.

LICENSES.—Aldermen Sanborn, Andrews, Phillips.

POLICE.—His Honor the Mayor, Aldermen Fitts, Sanborn.

SEWERS.—Aldermen Sanborn, Andrews, Winther.

STATE AID.—Aldermen Eldridge, Hamblin, Andrews, Winther.

SPECIAL BUILDING PERMITS.—Aldermen Barber, Fitts.

**STANDING COMMITTEES OF THE COMMON COUNCIL.**

ELECTIONS AND RETURNS.—Councilmen Wiley, Kaan, Chandler.

ENROLLED ORDINANCES AND RESOLUTIONS.—Councilmen Merrill, Whitney, Fiske.

**SCHOOL COMMITTEE.**

WILLIAM H. HODGKINS, Mayor, Chairman, *ex officio*.

FRED W. GILBERT, President of the Common Council, *ex officio*.

(Term, three years.)

## WARD ONE,

S. NEWTON CUTLER (elected 1891).

SANFORD HANSCOM, M. D. (elected 1890).

GEORGE S. POOLE (elected 1892).

## WARD TWO,

THOMAS M. DURELL, M. D. (elected 1890).

ALVAH B. DEARBORN, M. D. (elected 1891).

HERBERT A. CHAPIN (elected 1892).

WARD THREE,

NORMAN W. BINGHAM (elected 1891).  
QUINCY E. DICKERMAN (elected 1892).  
HELEN J. SANBORN (elected 1890).

WARD FOUR,

GILES W. BRYANT, M. D. (elected 1892).  
MARTIN W. CARR (elected 1890).  
BENJAMIN G. BROWN (elected 1891).

*Superintendent and Secretary,*

CLARENCE E. MELENEY, to September 1 (resigned).  
GORDON A. SOUTHWORTH, from September 1.

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**ASSESSORS.**

(Term, three years.)

BENJAMIN F. THOMPSON (term expires 1896).  
GEORGE W. HADLEY (term expires 1894).  
SAMUEL T. RICHARDS (term expires 1895).  
*Clerk of Assessors,* ALBERT B. FALES.

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**ASSISTANT ASSESSORS.**

(Term, one year.)

WARD ONE,

EDWARD G. WISWELL.

WARD TWO,

DAVID A. SANBORN.

WARD THREE,

EDGAR T. MAYHEW.

WARD FOUR,

HARRY A. TRUE.

**BOARD OF HEALTH.**

(Term: City Physician, three years; other members, two years.)

THOMAS M. DURELL, M. D., Chairman (term expires 1895).  
 ALVAH B. DEARBORN, M. D., City Physician (term expires 1895).  
 ALVANO T. NICKERSON (term expires 1894).

*Clerk*, WILLIAM P. MITCHELL.

*Inspector*, CALEB A. PAGE.

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**OVERSEERS OF THE POOR.**

Office, Police Building, Bow Street.

WILLIAM H. HODGKINS, Mayor, Chairman, *ex officio*.

(Term, four years.)

CHARLES G. BRETT (term expires 1893).  
 EDWARD B. WEST (term expires 1895).  
 NATHAN H. REED (term expires 1894).  
 JAMES G. HINCKLEY (term expires 1896).  
*Agent*, CHARLES C. FOLSOM.  
*Secretary*, CORA A. LEWIS.

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**SOMERVILLE MYSTIC WATER BOARD.**

Office, Prospect Street, corner Somerville Avenue.

(Term, three years.)

GEORGE D. WEMYSS (term expires 1894),  
 5 Austin Street.

GEORGE A. KIMBALL (term expires 1895),  
 5 Munroe Street.

WILLIAM FRANKLIN HALL (term expires 1896),  
 345 Broadway.

NATHANIEL DENNETT, *Supt. Water Works*.  
 FRANK E. MERRILL, *Clerk*.

**REGISTRARS OF VOTERS.**

(Term: City Clerk, one year; other members, three years.)

CROMWELL G. ROWELL, Chairman (term expires 1894).

CHARLES P. LINCOLN (term expires 1895).

CHARLES E. PARKS (term expires 1896).

GEORGE I. VINCENT, *City Clerk*.

**TRUSTEES OF THE PUBLIC LIBRARY.**

(Term, three years.)

CHARLES S. LINCOLN, Chairman (term expires 1894).

CHARLES A. WEST, Secretary (term expires 1895).

JAMES E. WHITAKER (term expires 1896).

JOHN B. VIALI (term expires 1896).

J. HENRY FLITNER (term expires 1895).

CHRISTOPHER E. RYMES (term expires 1894).

ELIJAH C. CLARK (term expires 1895).

CHARLES H. BROWN (term expires 1894).

J. FRANK WELLINGTON (term expires 1896).

**LIBRARIAN.**

HARRIET A. ADAMS, to July 1.

JOHN S. HAYES, from July 1.

**CITY CLERK AND CLERK OF BOARD OF ALDERMEN.**

GEORGE I. VINCENT.

**CITY TREASURER AND COLLECTOR OF TAXES.**

JOHN F. COLE.

**MESSENGER TO CITY COUNCIL.**

JAIRUS MANN.

ANNUAL REPORTS.

CITY SOLICITOR.

SELWYN Z. BOWMAN.

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CITY AUDITOR.

CHARLES S. ROBERTSON.

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CITY ENGINEER.

HORACE L. EATON.

---

SUPERINTENDENT OF STREETS.

THOMAS H. EAMES.

---

INSPECTOR OF BUILDINGS AND SUPERINTENDENT OF  
PUBLIC BUILDINGS.

THOMAS R. ROULSTONE.

---

CHIEF OF POLICE.

MELVILLE C. PARKHURST.

---

CHIEF ENGINEER OF THE FIRE DEPARTMENT.

JAMES R. HOPKINS.

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SUPERINTENDENT OF ELECTRIC LINES AND LIGHTS.

LEIGHTON W. MANNING.

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CITY PHYSICIAN.

ALVAH B. DEARBORN, M. D.

**INSPECTOR OF MILK AND VINEGAR.**

THOMAS CUNNINGHAM.

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**CLERK OF COMMITTEES.**

WILLIAM P. MITCHELL.

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**CLERK OF ASSESSORS.**

ALBERT B. FALES.

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Suitable Person to Cause to be Properly Interred the Bodies of Honorably Discharged Soldiers, Sailors, and Marines, Under Chapter 395, Acts of 1889.

JESSE J. UNDERHILL.

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**CONSTABLES.**

JAIRUS MANN.

ROBERT R. PERRY.

CHARLES C. FOLSOM.

EDWARD MCGARR.

CHRISTOPHER C. CAVANAGH.

EUGENE A. CARTER.

WILLIAM D. HAYDEN.

JOSEPH J. GILES.

DENNIS KELLEY.

CHARLES L. ELLIS.

CLARENCE TUCKER.

GEORGE H. CARLETON.

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**FIELD DRIVERS.**

CHRISTOPHER C. CAVANAGH.

GEORGE H. CARLETON.

JOHN E. FULLER.

JACOB W. SKINNER.

CHARLES S. THRASHER.

GEORGE W. BEAN.

JOHN G. KNIGHT.

THEODORE E. HERON.

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**FENCE VIEWERS.**

LAMBERT M. MAYNARD.

AMMIEL COLMAN.

**POUND KEEPER.**(Office vacant.)  

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**SEALER OF WEIGHTS AND MEASURES.**AMMIEL COLMAN, 34 Marshall Street.  

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**MEASURER OF WOOD AND BARK.**SAMUEL T. LITTLEFIELD.  

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**MEASURER OF GRAIN.**JOHN CRAIG.  

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**PUBLIC WEIGHER IN CHARGE OF CITY SCALES, UNION SQUARE.**FULTON O'BRION.  

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**WEIGHERS OF COAL.**

JOHN CRAIG.	D. WARNER DANFORTH.
GEORGE K. WALCOTT.	THADDEUS HARRINGTON.
CHARLES H. TUCKER.	C. C. WOOLEY.
G. E. SLACK.	EDWARD L. DUNNING.
GEORGE E. NEWCOMB.	WILLIAM I. NEWCOMB.

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**WEIGHERS OF BEEF.**

D. WARNER DANFORTH.	THADDEUS HARRINGTON.
CHARLES H. TUCKER.	GEORGE K. WALCOTT.
C. C. WOOLEY.	G. E. SLACK.
FREDERICK A. GEILING.	



## POLICE DEPARTMENT.

MELVILLE C. PARKHURST, *Chief*.ROBERT R. PERRY, *Captain*.CHRIS. C. CAVANAGH, *Sergt.*EUGENE A. CARTER, *Sergt.*

JOHN E. FULLER.

ALBION L. STAPLES.

JUDSON W. OLIVER.

GEORGE W. BEAN.

GEORGE L. SMITH.

EDWARD M. CARTER.

JOHN F. JOHNSON.

EDWARD E. HAMBLÉN.

CHARLES E. WOODMAN.

ARTHUR E. KEATING.

STEPHEN S. SMITH.

EUGENE H. GAMMON.

IRA S. CARLTON.

CHARLES W. STEVENS.

ULYSSES G. SKINNER.

JAMES J. POLLARD.

EDWARD MCGARR, *Sergt.*DENNIS KELLEY, *Sergt.*

PHINEAS W. SKINNER.

SAMUEL A. BROWN.

JOHN HAFFORD.

GEORGE A. BODGE.

THEODORE E. HERON.

GEORGE H. CARLETON.

HUBERT H. MILLER.

FRANCIS A. PERKINS.

CHARLES S. THRASHER.

WILLIAM H. JOHNSTON.

JOHN G. KNIGHT.

JACOB W. SKINNER.

DAVID A. BOLTON.

JAMES M. HARMON.

MICHAEL T. KENNEDY.

EZRA A. DODGE.

DANIEL G. SIMONS.

MELVILLE C. PARKHURST, *Lock-up Keeper*.



MAYOR'S INAUGURAL ADDRESSES.

## CITY OF SOMERVILLE.

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IN CONVENTION OF THE CITY COUNCIL, }  
January 2, 1893. }

RESOLVED: That His Honor the Mayor, be, and he is hereby requested to furnish the committee on printing with a copy of his inaugural address for publication.

Read twice and adopted.

GEORGE I. VINCENT, *Clerk*,

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IN CONVENTION OF THE CITY COUNCIL, }  
January 1, 1894. }

RESOLVED: That His Honor the Mayor, be, and he is hereby requested to furnish the committee on printing with a copy of his inaugural address for publication.

Read twice and adopted.

GEORGE I. VINCENT, *Clerk*.

# INAUGURAL ADDRESS

DELIVERED BY

HON. WILLIAM H. HODGKINS,

JANUARY 2, 1893.

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GENTLEMEN OF THE CITY COUNCIL:—

In compliance with the provisions of the City Charter, we have convened to-day to subscribe to the oath of office prescribed by the charter, and to inaugurate the City Government of 1893. As we enter upon the duties of the year, we have sought the favor and blessing of the Ruler of the Universe to rest upon our city, and His guiding hand to lead us in the path that shall honor Him and ourselves. The oath of office we have taken with uplifted hand, before God and this assembly, is no light and trivial promise, to be kept or broken as we may feel inclined; but a solemn obligation which shall be binding upon us during the entire term of our service. To me it seems but a few weeks since I stood in this place to subscribe to a similar oath. The wheels of time have rolled rapidly during the year 1892, and its record has now gone beyond amendment or recall.

I desire to express my deep sense of gratitude to my fellow-citizens for the honor conferred in calling me a second time to this office, without exacting promise, pledge, or obligation of any kind other than that provided by the charter, which I voluntarily assume.

I thank them for the confidence reposed in me, which enables me to enter upon the duties of the office as free as though political parties did not exist. I can only assure them and you that it shall be my purpose to carry on the administration, as far as the duty of my office is concerned, in a spirit entirely non-partisan. Heretofore I have not found it necessary in municipal matters to discriminate politically, or to question the politics or creed of any person. I believe, and shall maintain, that the government should be conducted for the welfare of the community, without any reference whatever to party affiliations.

Doubtless the most interesting feature of an inaugural address will be found in a statement of the City Treasurer.

### FINANCES.

From the last annual report it appears that the funded debt of the city, January 1, 1892, was as follows :

Funded debt, city loan . . . . .	\$670,000
Funded debt, water loan . . . . .	375,500
Total funded debt . . . . .	<u>\$1,045,500</u>

At the beginning of the year it was found necessary to provide funds for the payment of current expenses in anticipation of the dividends to be received on the amount which was deposited in the Maverick National Bank, and for this purpose bonds of the city were issued amounting to \$100,000. The vote of the City Council authorizing this loan also provided that the dividends which shall hereafter be received shall, in addition to the amount required to be raised annually by taxation for that purpose, be applied to the reduction of the funded debt. The dividends already received, amounting to \$77,185, and \$60,000 provided for in the tax levy, have been so applied, and a reduction of the funded debt provided for amounting to \$137,185.

The debt was increased during the year by appropriations made by the City Council as follows :

For the cost of paving Union Square and parts of Somerville and Webster Avenues, the sum of \$100,000. This loan was issued under authority of a special act of the Legislature, approved April

12, 1892. The bonds issued therefor are payable within twenty years in annual instalments, with interest at the rate of four per cent., and are not to be considered or reckoned in determining the authorized limit of indebtedness under the provisions of section four, of chapter twenty-nine, of the Public Statutes, and acts in amendment thereof, or supplementary thereto.

For the cost of purchasing 129,497 feet of land in addition to the gift to the city by the heirs of Nathan Tufts, Sr., of the Powder House and lot containing 68,357 feet, hereafter to be called the Nathan Tufts Park, and grading the same, the sum of \$25,000.

For the cost of enlarging and improving the Edgerly School-house, the sum of \$20,000.

For the cost of an improved and enlarged system of sewerage in West Somerville, the sum of \$8,000. Making the total amount of appropriations on funded debt account for permanent improvements during the year \$153,000.

In consequence of the opinion of the Attorney-General, that money borrowed temporarily, in anticipation of the collection of taxes, should be included in ascertaining the limit of municipal indebtedness, and as our temporary loans at that time amounted to \$275,000, while our borrowing capacity, as computed on the funded debt account, was but \$190,000, the bonds for the three appropriations last mentioned, amounting to \$53,000, were not issued. But as the money has already been expended and must hereafter be provided for, either by including it in the tax levy, or by issuing bonds when the law shall be so amended as to allow the city to do so, it is proper at the present time to consider it part of the funded debt, which amounts to \$1,161,315, January 1, 1893, classified as follows:

City loan bonds bearing interest at 4 per ct. . . . .	\$466,000
“ “ “ “ “ “ 5 “ . . . . .	165,000
“ “ paving bonds bearing interest at 4 per ct. . . . .	100,000
“ “ sewer “ “ “ 5 “ . . . . .	35,000
Water loan bonds bearing interest at 4 per ct. . . . .	260,000
“ “ “ “ “ “ 5 “ . . . . .	105,500
“ “ “ “ “ “ 5 1-2 per ct.. . . . .	10,000
City bonds not issued, \$53,000, less balance to credit of reduction of funded debt account, \$33,185 . . . . .	19,815
Total . . . . .	<u>\$1,161,315</u>

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

The current expenses, State and County taxes and debt requirements were provided for by the following

### RESOURCES.

Assessors' warrant for the tax levy assessed upon the polls and estates of the inhabitants as follows, viz :

Real Estate, valuation . . . . .	\$34,950,800
Personal property, valuation . . . . .	3,142,300
Total valuation . . . . .	<u>\$38,093,100</u>

A rate of \$15.00 on \$1,000 valuation with 12,475 polls at \$2.00 and twenty-two (women) at fifty cents, gives the total amount of the tax levy \$596,357.50, raised for the following purposes, viz :

State of Massachusetts, for the payment of State tax,	\$27,457.50
State of Massachusetts, for the payment of Metropolitan sewer assessment . . . . .	3,136.02
County of Middlesex, for the payment of the county tax . . . . .	30,657.03
Appropriations for the payment of the current expenses . . . . .	512,835.00
Overlay and abatement for the sum added for fractional divisions and abatements . . . . .	22,271.95
Total amount of tax levy . . . . .	<u>\$596,357.50</u>

Other items of income were received as follows :

National Bank and corporation taxes . . . . .	\$17,250.07
Revenue from the Water Works under the existing contract with the City of Boston . . . . .	77,000.00
Interest on taxes, assessments, etc., including premium on bonds sold . . . . .	9,920.12
Proceeds of sale on land on Prospect and South streets . . . . .	2,800.00
Revenue from watering streets . . . . .	7,984.77
Fees, fines, rent and income from all other sources . . . . .	12,771.29
Total amount of resources . . . . .	<u>\$724,083.75</u>



The expenditures for the various departments were as follows,

viz. :

Broadway Parkway . . . . .	\$ 5,293.22
Fire Department . . . . .	40,991.98
Health Department . . . . .	11,816.76
Highways . . . . .	55,015.33
Indigent Soldiers and Sailors . . . . .	587.00
Interest . . . . .	42,715.58
Miscellaneous . . . . .	17,138.75
Police . . . . .	42,989.19
Police Station Incidentals . . . . .	3,745.68
Public Library . . . . .	5,800.93
Public Grounds . . . . .	5,692.48
Printing and Stationery . . . . .	6,853.46
Reduction of Funded Debt . . . . .	60,000.00
Relief and Burial of Indigent Soldiers and Sailors	3,942.42
Salaries . . . . .	31,444.28
School Contingent, Janitors' Salaries . . . . .	9,794.92
School Contingent . . . . .	13,131.81
School Fuel . . . . .	7,147.68
School-house Incidentals . . . . .	17,734.18
School Teachers' Salaries . . . . .	108,058.81
Semi-Centennial Celebration . . . . .	5,700.00
Sewers . . . . .	10,000.00
Sidewalks . . . . .	10,043.99
Street Lights . . . . .	26,529.45
Support of Poor . . . . .	14,418.11
Watering Streets . . . . .	12,828.06
Water Maintenance . . . . .	29,158.51
Water Works Extension . . . . .	30,485.30
Water Loan Interest . . . . .	15,589.00
Overlay and Abatement . . . . .	17,081.32
State of Massachusetts, State Tax . . . . .	27,457.50
State of Massachusetts, Sewer Assessment . . . . .	3,136.02
County of Middlesex, County Tax . . . . .	30,657.03
Water Loan Bonds . . . . .	1,105.00
Total amount of expenditures . . . . .	<u>\$724,083.75</u>

In making up the foregoing accounts before the business of the year had closed, it was necessary to estimate some of the items. The balance will not be materially changed, but in some cases the expenditures will be slightly reduced.

The following tables, giving a brief history of the city's finances since 1871, are respectfully submitted for future reference :

YEAR.	Amount of Funded Debt.	Increase of Funded Debt.	Reduction of Funded Debt by Contribution to Sinking Funds.	Reduction of Funded Debt by Annual Payments.	Tax Rate per \$1,000 of Valuation.
Town	\$593,349	.....	.....	.....	....
1872	643,354	\$50,005	.....	.....	....
1873	809,354	166,000	.....	.....	....
1874	1,419,854	610,500	.....	.....	....
1875	1,571,854	152,000	.....	.....	....
1876	1,606,854	45,000	\$45,130.62	\$10,000	\$2.07
1877	1,606,854	10,000	48,828.58	10,000	2.30
1878	1,596,854	.....	51,004.64	10,000	2.91
1879	1,585,000	.....	53,061.76	11,854	3.42
1880	1,585,000	.....	55,739.35	.....	2.72
1881	1,585,000	.....	58,498.64	.....	2.59
1882	1,585,000	.....	61,390.59	.....	2.65
1883	1,585,000	.....	64,479.01	.....	2.70
1884	1,585,000	.....	67,719.33	.....	2.78
1885	*1,525,000	.....	71,305.66	.....	2.87
1886	1,525,000	.....	66,894.23	.....	2.57
1887	1,525,000	.....	70,252.88	.....	2.56
1888	*860,500	25,000	.....	37,000	1.28
1889	952,500	130,000	.....	38,000	1.27
1890	1,057,500	150,000	.....	45,000	1.38
1891	1,045,500	45,000	.....	57,000	1.55
1892	1,194,500	253,000	+44,000.00	60,000	1.58

\* Sinking funds applied.

† Bank dividends applied.

YEAR.	VALUATION.	TAX LEVY.	RATE.
1872	\$22,755,325	\$274,374.45	\$13.00
1873	29,643,100	389,214.48	12.80
1874	30,837,700	473,235.50	15.00
1875	31,317,000	518,161.40	16.20
1876	26,573,400	504,745.24	18.60
1877	25,479,400	471,789.14	18.10
1878	20,976,900	409,497.10	19.00
1879	18,950,100	352,553.80	18.00
1880	20,458,100	402,927.71	19.10
1881	22,569,100	452,945.45	19.50
1882	23,162,200	425,721.16	17.80
1883	23,812,900	411,645.43	16.70
1884	24,331,100	418,750.26	16.60
1885	24,878,400	428,605.44	16.60
1886	26,003,200	416,987.28	15.40
1887	27,471,800	424,309.14	14.80
1888	28,765,400	421,458.60	14.00
1889	30,004,600	440,324.40	14.00
1890	32,557,500	447,704.00	14.00
1891	36,843,400	539,137.10	14.00
1892	38,093,100	596,357.50	15.00

The growth of Somerville continues unabated. During the past year five hundred and fifty-six building permits were issued, of which four hundred and seventy were for dwelling houses. It is estimated that five hundred or more dwellings were completed during the year. The Water Board has extended water mains about one and one-half miles, and has relaid about four and one-half miles of pipe. Five hundred and twenty-nine services have been laid and sixty-three new hydrants have been placed. The population is estimated to be 45,000. Thrift and general comfort and happiness seem to prevail. We have been exempt from many of the ills which have visited other communities, and as we look about us and contemplate the addition to our city of many evidences of prosperity, we may regard ourselves truly as citizens "of no mean city."

The rate of taxation has been increased to \$15 per thousand, but it is not owing to any increased expenditure of last year's administration. The increased valuation of 1892, over that of 1891 was but \$1,149,660, compared with \$4,285,940 in 1891 compared with 1890. The State and County taxes were largely in excess of 1891, and a payment on account of the Metropolitan drainage system all tended to increase the tax above the usual \$14 limit.

It affords me pleasure to report that all the departments of the government are in good condition. The chiefs of each have been interested in their work and faithful in the discharge of their duties. Several of the Boards, especially the Board of Health, have had unusual duties to perform. The general health of the city has been good, and, although in September last, typhoid fever prevailed to a considerable extent in one section of the city and threatened to become epidemic, the indefatigable labors of the Board of Health prevented a spread of the disease which might have involved the entire city. The threatened approach of cholera during the prevalence of the fever, followed by the appeals of the Board, awakened the citizens generally to the necessity of extra efforts regarding the sanitary condition of their premises, and the result has been to place the entire city in an unusually cleanly condition. I suggest that these efforts be continued during the winter, renewed early in the spring, and that the citizens do all in their power to co-operate with the Board in closing every avenue to the approach of disease or pestilence.

I intend, at no distant day, to call the attention of the City Council to several suggestions of the Board of Health in relation to the subject of the removal of ashes and house offal, and abatement of nuisances arising from various causes ; also to recommend a plan to overcome some of the difficulties encountered at the present time.

### HIGHWAYS.

The Highway Department has had an unusually busy year, and has done a larger amount of work than in any previous year.

The disbursements for street improvements have been about \$173,500. Of this sum has been expended in round numbers the following amounts :

Paving . . . . .	\$100,000
Highways . . . . .	58,000
Sidewalks . . . . .	10,225
Broadway Parkway . . . . .	5,275

Of granite curbing 21,475 feet have been laid, an amount in excess of any previous year, excepting perhaps, the year 1874, of which no records can be found. Eleven streets have been accepted, adding one and forty-six one-hundredths miles to the mileage of public streets which the department is obliged to maintain.

Three of the largest pieces of highway work ever undertaken in the city have been completed, viz., the paving of Union Square and portions of Somerville and Webster Avenues ; the building of the Broadway Parkway and consequent re-building of Broadway from Cross Street to Marshall Street, and the re-building of Middlesex Avenue. In addition, as far as the appropriation would permit, other streets have been improved, and the work has been distributed over the whole city.

As far as I have been able to ascertain, the paving of Somerville Avenue has given great satisfaction to the public, and is, I hope, only the beginning of a systematic improvement of our thoroughfares with a view to economic and permanent construction. I think the people believe in improvements which are in accord with the spirit manifested in other cities and are adapted to our own

needs. I sincerely hope the work of paving will be continued during the present year, and that a specific sum will be appropriated from the funded debt to provide for the pavement this year of a portion of Washington Street, extending from Union Square easterly to Medford Street—the street being in immediate need of repairs—or of a portion of Somerville Avenue extending westerly from Park Street.

Somerville is unfortunate in having a poor subsoil and no rock material whatever suitable to be used in macadamizing our extensive thoroughfares, and the use of our slate stone on such highways as Broadway, Medford and Washington Streets is not economical road-making. A material more enduring should be used on such streets, and the Highway Committee of last year purchased Salem and Waltham hard-stone to be used in some of its work. The long thoroughfares of the city must receive attention during the present year, and the committee should have ample means to purchase such material for the streets that may require it.

The paving of Somerville Avenue has been accomplished within the appropriation, and many private streets have been improved in consequence of a wise provision in the contract whereby all the material removed therefrom has been saved and used to improve streets which otherwise would have been obliged to wait a long time, and this has been done without any cost to the city.

The Highway Department requires more stable room, and will probably request the City Council for means to provide it.

#### POLICE DEPARTMENT.

Thirty-nine men, rank and file, compose the present police force. Two vacancies exist, one sergeant and one patrolman having recently resigned. This present number is considered sufficient for another year. The Chief of Police reports that this has been an exceptional year so far as great crimes and disturbances are concerned; but the number of arrests for drunkenness has increased over last year, doubtless owing to the “No Fine Act,” enacted by the Legislature of 1891.

The police signal and telephone service has been in operation since September 1, 1888. There are now twenty-eight street

boxes. The Chief of Police recommends that four more be added to this number, in order to extend the system into localities which have been built up in late years and afford proper police supervision of these places. I concur in his recommendation, and suggest that it receive your favorable action. The expense will be \$600; a small amount compared with the advantages to be derived. I also submit for your consideration one other suggestion of the Chief of Police, which has my hearty concurrence, viz., that, if possible, some provision be made for the retirement of aged and faithful patrolmen who have served for fifteen or twenty years and are unfitted for street duty by reason of age. It seems a hardship to discharge such men, but the best interest of the city and the Department require young and active men, who, in emergency, can bear any exposure to weather and fatigue that may be required of them.

#### OVERSEERS OF THE POOR.

The Overseers of the Poor will soon notify the City Council of the difficulty of obtaining suitable quarters in which to provide for the poor who require full support, and will request an additional appropriation for the purpose of hiring a house for their use.

There is no doubt of the legal power of the overseers to hire such quarters at the expense of the city; but they will not be likely to use that power unless the city refuses to provide adequate accommodations.

#### PARTIAL SUPPORT (Out-door Relief).

Families aided in 1892 . . . . .	178
Persons aided in 1892 . . . . .	718

#### NUMBERS FULLY SUPPORTED IN 1892.

In almshouses . . . . .	15
In private families . . . . .	16
In Boston hospitals . . . . .	18
In Massachusetts School for the Feeble-minded . . . . .	4
In House of the Angel Guardian . . . . .	2
Insane persons in private families . . . . .	5
Insane persons in hospitals . . . . .	45

## AT PRESENT.

In various almhouses . . . . .	11
In private families . . . . .	14 (five are children).
In insane asylums . . . . .	34 (are reimbursed for two).
In private families . . . . .	5 (insane).
Burials . . . . .	17
Permits to Tewksbury Almshouse . . . . .	8

## FIRE DEPARTMENT.

Without enumerating the separate pieces of apparatus, the number of men which constitute the fire department, and much valuable information relating to the department that will be submitted in the annual report of the Chief Engineer, I desire to call your attention to the necessity of providing an additional ladder truck, to be located in West Somerville. The only ladder truck now in service is located in Union Square, remote from the westerly section of the city. That the department is in good condition and efficient is manifest in the fact that although fires have been more numerous than in any previous year, yet in only one case has the fire extended beyond the building in which it originated. The number of alarms has been 112 ; loss by fire, \$67,852.

The principal need of the fire department is a chemical engine, to be located on Central Hill, and an increased number of fire alarm boxes, especially in West Somerville. The present fire alarm system does not afford the security which is desired in a city composed so largely of wooden buildings. There are now three circuits stretched over the city. Should one of these break, about one-third of the city would be without the means of giving an alarm. The Chief Engineer earnestly recommends that a ten-circuit repeater be put in service ; then the city can be divided into as many circuits as may be deemed necessary, so that if one box failed to work, the close proximity of another box on another circuit will furnish the means of conveying an alarm. The advantage and security of such a system is obvious and requires no further explanation. As quite a large number of tall buildings have been, and are now being, built in Somerville, we also need an aerial ladder truck.

Many additional alarm boxes are required in order that alarms can be given promptly. But neither of these, a chemical engine, a new repeater, nor additional boxes, can be provided for in the engine-house of Steamer No. One.

For two years or more the attention of the City Council has been called to the necessity of enlarging the engine-house for these purposes. Plans and estimates have been prepared with this object in view, and have been referred to various committees of former City Councils, but no action has been taken. My opinion is that the steamer-house should not be enlarged on its present site. If the subject is to receive the attention it deserves, and which will soon be imperatively demanded by the circumstances of the case, it should be considered with a view to the removal of the engine-house to some other location. The Brastow school-house lot will afford ample room for a building of the size required for the steamer, a chemical engine, a repeater, and the necessary batteries, and will not cost much more than the amount required to put the present house in the proper condition.

The corner lot on Central Hill Park thus vacated will afford an admirable site for a building, the need of which is beginning to be seriously felt, viz., a new City Hall. It is well to consider this subject during the present year. While the present hall may answer the purpose of the Board of Aldermen and the Common Council, it is becoming too crowded for the business transacted there. The safe room is too small for the books, papers and material, invaluable in themselves, now stored there. The fire-proof storage room is over-crowded, and it may be doubted whether any portion of the building is fireproof. Our records are altogether too valuable to risk, and I sincerely trust that you will consider this subject with a view to obtain a new and more modern and convenient building at an early day.

## FUEL AND STREET LIGHTS.

A new contract, covering a period of five years from October 1, 1892, has been made with the Somerville Electric Light Company, whereby all the lights are to burn every night and all night. The arc lights are to be of 1,200 candle power, and the



price will be \$120 per year for each light until the number shall reach four hundred, when the price shall be \$115 per light during the continuance of the contract. During the year the City Council ordered new arc lights to be placed at points indicated by the Committee on Fuel and Street Lights. Of this number 115 have been placed in the positions ordered.

Arc lights in use one year ago . . . . .	158
Incandescent lights in use one year ago . . . . .	356
Arc lights added during the year . . . . .	115
Incandescents added during the year . . . . .	10
Incandescents removed (discontinued) . . . . .	144
Whole number now in use . . . . .	498
Oil lamps . . . . .	3
Arc lights . . . . .	273
Incandescents . . . . .	222
	<hr/>
Total . . . . .	498

In view of the large number of lights already located, and others to be placed in the positions ordered, I am of the opinion that the number cannot be increased to any great extent during the present year, owing to the large appropriation that will be required to maintain this department. I recommend that the City Council scrutinize closely every new proposed location, and that great care be exercised in this direction. While I am strongly in favor of abundant light, I do not think it prudent to increase the appropriation to such an amount as will prevent the accomplishment of other desirable objects, or beyond a due proportion to the amounts required by other important departments.

### SCHOOLS.

At the final meeting of the Somerville School Board of 1892, the Superintendent of Schools, Mr. C. E. Meleney, presented his annual report. A summary of statistics given therein is as follows :

Children between five and fifteen . . . . .	7,191
Increase over 1891 . . . . .	391
Whole number of pupils registered . . . . .	9,120

Number present in December, High School . . . . .	549
Grammar schools . . . . .	3,816
Primary schools . . . . .	3,291
	<hr/>
Total . . . . .	7,656
Whole number of teachers . . . . .	186

Besides the usual statistics, the report gave a brief review of the year's legislation and the work of the schools. The crowded condition of the primary and grammar schools of the East Somerville district will be relieved when the Edgerly School is completed. The request of last year for a new school in Ward Four and an addition to the Bingham School in Ward Three should be considered this year. Recommendations are made for the improvement of the ventilation in the High School and many of the old buildings; for the painting of the interiors of the buildings and their decoration; for the enlargement of the course of study in the grammar schools in the line of literature and history; for vacation schools; for legislation by the State for the establishment of parental schools for neglected children; for the organization of more ungraded classes; for a reduction of the size of classes and the appointment of more teachers; for the establishment of a training school for teachers. Some of these recommendations have not been considered by the School Board; but are presented to you at this time in advance of the publication of the annual report.

I commend to your favorable consideration the subject of providing school-house accommodations for the children living south of the Fitchburg Railroad.

### HIGH SCHOOL.

I am satisfied that the duty of providing adequate accommodations for the High School cannot longer be postponed without detriment to the school. A year's experience with the School Board, and frequent interviews with other persons from various sections of the city, together with a careful personal investigation of the subject, convinces me that three opinions, widely different, are held by the citizens. One class desires that the city should follow the example

of more wealthy and populous cities, and erect an English High School, or Manual Training School, which would probably cost, ready for occupancy, \$175,000. Another class desires the present plan to be pursued for a longer period, some on the basis of public economy, others of allowing the pupils more freedom in the open air, and more time for study outside the walls of an ill-ventilated school-room. Another, and it seems to me the larger class, prefers the enlargement of the present school-house by the addition of wings, or extending the building upon the westerly side. The latter plan would largely increase the present capacity of the school, present a more pleasing architectural effect, and could be accomplished by an expenditure of one-half the cost of the erection of a new building. As the population increases and the reconstructed building becomes too small for the number of pupils, a smaller building for the classical pupils can be erected in close proximity. I commend this subject to your early and serious consideration. In my opinion, whichever course is pursued, whether in enlarging the the present building or erecting a new one, it will be necessary for the city to obtain possession of the property of the Unitarian parish. It is generally conceded that this property should be owned by the city. The parish has adopted plans for the erection of a brick building in the rear of the church for the various uses of the parish, to be about ninety feet wide, and extending forty-five feet from the rear of the church edifice. This building will be of brick, and so placed as to cover nearly all the land now unoccupied. The erection of this building will cut off light from the Public Library and the High School, will so fill the area that it will be crowded and unsightly, and seriously affect the question of the location of new public buildings, which must, in the nature of things, soon confront the City Council. The Committee on Public Grounds has had several interviews with the members of the Parish Committee, and I am informed that the work of building the proposed wing was postponed until spring, to await the action of this City Council. It was the unanimous desire of the Council of 1892 to purchase this property, but the financial condition of the city in the latter part of the year prevented decisive action. The enlargement of the building will add permanency to its occupation by the church, the property will enhance in value beyond our ability to purchase, and,

in all probability, no such opportunity of obtaining it will ever again occur. I trust you will regard this subject seriously, and take immediate measures to purchase the property, if it can be obtained at a reasonable price. It is said that "official foresight is the truest economy." I believe the truth of this saying will be proved in the purchase of this land.

I should be false to my own instincts, and heedless of the claims of those who sleep in soldiers' graves, if I failed, in this connection, to call your attention to a recommendation contained in last year's inaugural address. A year's study of this subject has convinced me that the most suitable soldiers' memorial the city can erect is a public memorial hall. The special committee of the last City Council appointed to consider this subject reported the advisability of uniting such memorial with a new City Hall. Such could be done; but I have reached the conclusion it would better conform to its character, and the uses to be made of it, if connected as an educational factor with the Public Library. I believe that the new City Hall should be erected at the corner of Highland Avenue and Walnut Street, and be used exclusively for public business. Then the great knoll, on which the present City Hall now stands, could be reduced to true grade on the lines of School Street and Highland Avenue, and an admirable site obtained for the Memorial Hall and Public Library combined. The library building is already crowded, and an enlargement will soon be required. Several times during the past year such a hall as is proposed has been imperatively demanded. There is no building in the city of sufficient size to accommodate the increasing crowds who desire to attend the graduation exercises of the High and Grammar schools. A public hall of this character was needed on the 17th of June, and upon the occasions of the Somerville Hospital and Grand Army Fairs. It could be brought into use on many public occasions, and it will obviate the necessity of adding one to the High School building.

Is the plan too comprehensive, or does it involve too much expense? If we are to adopt a far-reaching, comprehensive policy in regard to highways and thoroughfares, why not apply the same principle to public buildings? It is better for the city and all its interests that some general plan of construction be laid out. It can be adopted or not, as circumstances may demand. It is not expected

that it can be accomplished in a year or two; but when public spirit is aroused as to the present condition and the future need, it is likely to discuss, and continue to discuss, until the best solution of such problems is reached. Somerville has more than a name to live. In my opinion, her future welfare depends largely upon the treatment of the great problem of highways and public buildings.

### POWDER HOUSE PARK.

In May last the City Council voted to accept the munificent gift of 68,357 feet of land, including the site of the Powder House, from the heirs of the late Nathan Tufts, and to purchase in addition 129,497 square feet at 15 cents per foot, amounting to \$19,424.55 [the donors also giving the land within the limits of Liberty Avenue]. The sum of \$25,000 was appropriated for the purchase of land and the construction of the park in accordance with the plans of the City Engineer. The money has been borrowed on funded debt account, and is being expended under the direction of the Committee on Public Grounds.

Recently a tablet bearing a patriotic inscription has been placed upon the tower by the Massachusetts Society, Sons of Revolution. When the laying out of the park is completed, I trust the City Council will, by some simple and appropriate ceremonies, dedicate this priceless relic to the sacred memory of the brave and patriotic sires of the American Revolution, who laid in sacrifice and blood the foundation upon which the structure of our nation rests, and by such act transmit it to posterity as a precious memorial of all that is grand and heroic in our early history.

### SEMI-CENTENNIAL CELEBRATION.

On the 17th of June last, in accordance with a plan devised by the Citizens' Association, of which Hon. Charles S. Lincoln was chairman, the fiftieth anniversary of the incorporation of Somerville was celebrated. The occasion is of too recent occurrence to require much comment at this time. I doubt if the event will ever be forgotten by those who participated in it. It was a day in which intense and almost insufferable heat struggled for the mastery, only to be overcome by tempest and storm. The gaily-decorated city

was thronged with spectators, and hundreds of former citizens returned to engage in the festivities of the day. The occasion was favored with the presence of His Excellency Governor Russell and members of his staff, members and ex-members of Congress, mayors of cities, and other men distinguished in various walks of life. During the furious tempest in the afternoon, just at the close of the parade, many lives were in danger, but, providentially, only a few persons were injured. The literary exercises intended for the afternoon were held in the afternoon of the following day in an immense tent erected on Central Hill Park, where the largest audience ever assembled in the city listened to an eloquent and admirable historical address delivered by Hon. George A. Bruce, ex-Mayor of Somerville.

The celebration, in my opinion, has been beneficial in various ways. It awakened a latent public spirit, and called to the attention of others some of the advantages of Somerville as a place of residence.

I recommend that the proceedings of the celebration, including the oration of Mr. Bruce, be printed and distributed under the direction of the Committee on Printing.

In this connection I desire to tender my thanks, officially and personally, to our militia company, the Somerville Light Infantry, for the excellent manner in which it has performed all duties of volunteer escort, and for the honor it has secured for itself and the city in the prizes it has taken in competitive exercises.

#### WARD TWO IMPROVEMENT.

I desire to call your attention to the representations of the Ward Two Improvement Association, and their petition for an improvement of the lands in the vicinity of Wyatt's pit and the Sanborn field. A hearing upon this petition was had before the City Council in convention last autumn, and much valuable information was presented. Strong arguments were made regarding the necessity which exists for some action of the City Council in regard to this territory.

In accordance with the provisions of Chapter 342, Acts and Resolves of 1892, the Metropolitan Park Commission of the

Commonwealth of Massachusetts, consisting of Charles Francis Adams of Quincy, Chairman, Philip A. Chase of Lynn, William B. De Las Casas of Malden, was appointed to consider and report upon the subject of ample open spaces for the use of the public in the towns and cities in the vicinity of Boston. Together with all the cities and towns in the neighborhood of Boston, Somerville is interested in the work of this commission, which will make its report early in the coming session of the Legislature. The matter of providing local play-grounds and ample breathing spaces is one in which Somerville, as a rapidly growing community, is deeply interested, and also it seems important to the welfare of our city that something should be done towards improving the shores of the Mystic River in a way which would make that stream an element of attractiveness for the communities bordering it.

I respectfully recommend to the City Council the petitioning of the Legislature for the establishment of a metropolitan park system for the cities and towns in the neighborhood of Boston.

#### PUBLIC LIBRARY.

I commend to your favorable consideration an appeal from the trustees of the Public Library for an increased appropriation. The demand for books increases beyond the proportionate increase in population. The Library is used by people of all classes and conditions, and is a means of education which we should not suffer to be too limited in its extent.

#### GRADE CROSSINGS.

It is the earnest wish of the citizens—in which I heartily concur—that speedy efforts be made by all lawful means for the abolition of the dangerous grade crossings of the Fitchburg Railroad in Somerville, especially that at Somerville Avenue. A petition for the appointment of a commission to act upon this matter is now before the court. I trust the City Council will be fully convinced of the necessity of some immediate action. I also hope you will co-operate heartily with Medford, Malden, Everett and Charlestown for the

removal of the grade crossings on Main Street, Charlestown, and and at the East Somerville station of the Boston & Maine Railroad, in order to prevent the intolerable delay in reaching this city by those avenues. It is a matter that affects the welfare of Somerville.

Your attention may soon be called to the subject of rapid transit, which in some definite form may be presented, and your co-operation requested. Should such be the case, I request that you carefully examine the subject in all its bearings relating to our city, and unite with our representatives in securing wise legislation to accomplish this greatly desired result.

#### GENTLEMEN OF THE CITY COUNCIL:—

There are other subjects of greater or less importance which it was my desire to refer to in this address, but I have already trespassed upon your time. Nearly all these matters have been referred to you by the last City Council, and will be found in the files of your committees. I trust they will receive your early consideration and action. I desire to impress upon you the advantage of disposing of these subjects at an early date, before the pressure of this year's new business demands your time. It will be my endeavor to assist you as much as possible in all matters that may be presented for your consideration. I cordially welcome you, on this first secular day of the new year, to fellowship and comradeship in the government of the city. May this bright and delightful day, with its New Year's greetings, be an auspicious omen of all that are to follow. May the kindly feeling which is now apparent continue throughout the year. From this day you may be called upon to sacrifice personal and private inclinations and interests in order to promote the public good.

You are now the servants of the city, and your business is to legislate for the best interest of Somerville. It will be no unusual event, if, in the discharge of your highest trust, temptation in one form or another may assail you and urge you to step aside from the stern path of rectitude and public duty. Resist, I beseech you, every such inclination. Be true to your oath of obligation, to yourselves, and to the city you are to serve. Then, when you lay aside



the cares, the responsibilities and irksome duties of your office, you will go forth from yonder City Hall able to look any man squarely in the face, respected, perchance beloved, by your fellow citizens, and better, far better than all else, with a conscience void of offense toward God and man.



# INAUGURAL ADDRESS

DELIVERED BY

HON. WILLIAM H. HODGKINS,  
JANUARY 1, 1894.

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GENTLEMEN OF THE CITY COUNCIL :

It is a cause of congratulation that we enter upon our public duties upon the first day of the New Year. I cordially greet you with the sincere wish that it may be to each of us a Happy New Year. The past has carried its record to the Judge of all the earth, and as our feet touch the boundary of another year we have supplicated His blessing to rest upon us and direct all our actions.

In accordance with the terms of the city charter we have subscribed to the oath of office, and have called Almighty God to witness that we will faithfully perform the duties which our fellow-citizens have elected us to discharge.

Appearing for the third time in compliance with the expressed wishes of my fellow-citizens to assume the obligations and responsibilities of this high office, I desire to return my sincere thanks for the honor conferred upon me, and for the warm and generous appreciation of my humble efforts to conduct public affairs for the best interest of the city. I accept it also as an endorsement of the views I have expressed as to the general policy to be pursued with reference to the welfare of Somerville in all that will tend to develop municipal prosperity and a lofty public spirit. With each succeeding year the burden of responsibility is more weighty; and I approach this year's duty feeling more than ever my own weakness, yet relying upon the promise of strength and wisdom from our Father in Heaven, who will never forsake or suffer to be misguided any who put their trust in Him.

## FINANCES.

The funded debt of the city January 1st, 1893, was as follows:—

Funded Debt, City Loan . . . . .	\$676,000
Funded Debt, Sewer Loan . . . . .	43,000
Funded Debt, Paving Loan . . . . .	100,000
Funded Debt, Water Loan . . . . .	375,500
Total Funded Debt . . . . .	<u>\$1,194,500</u>

The debt was increased during the year by appropriations made by the City Council as follow:—

Estate of the First Congregational Society, Central Hill . . . . .	\$45,000
Fire Department, steam fire engine . . . . .	3,000
Fire Department, land on Highland Ave. . . . .	3,000
Highways, paving Washington Street . . . . .	24,000
Nathan Tufts Park . . . . .	10,000
Schoolhouse (Glines) in Ward Three . . . . .	1,500
Schoolhouse in Ward Four, south side of Fitchburg R. R. . . . .	15,000
Schoolhouse, English High . . . . .	80,000
Schoolhouse, Edgerly Addition . . . . .	3,500
Schoolhouse, Bingham Addition . . . . .	10,000
Sewers, construction . . . . .	10,000
Renewals of Funded Debt . . . . .	17,000
Total amount of increase . . . . .	<u>\$222,000</u>

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

Funded Debt, City Loan . . . . .	\$115,000
Funded Debt, Paving Loan . . . . .	5,000
Funded Debt, Water Loan . . . . .	17,000
Total amount of reduction . . . . .	<u>\$137,000</u>
Leaving the Funded Debt of the city January 1st, 1894 . . . . .	\$1,279,500

(An increase of \$85,000 over the previous year) classified as follows:—

City Loan Bonds bearing interest at 4 per cent . . . . .	\$351,000
“ “ “ “ “ “ “ 4 1-2 per cent. . . . .	257,000
“ “ “ “ “ “ “ 5 “ “ . . . . .	165,000
“ “ Paving Bonds bearing interest at 4 per ct. . . . .	95,000
“ “ Sewer Bonds bearing interest at 4 1-2 “ “ . . . . .	18,000
“ “ “ “ “ “ “ 5 “ “ . . . . .	35,000
Water Loan Bonds bearing interest at 4 per cent. . . . .	254,000
“ “ “ “ “ “ “ 5 “ “ . . . . .	94,500
“ “ “ “ “ “ “ 5 1-2 per ct. . . . .	10,000
	\$1,279,500
Total Funded Debt January 1st, 1894 . . . . .	\$1,279,500

The above represents the net indebtedness of the city, the unfunded liabilities, for temporary loans, etc., being equalled by its assets, which consists of uncollected taxes, sewer and sidewalk assessments, etc.

To provide for the payment of the current expenses, State and County taxes and debt requirements for the past year, the annual tax levy was made as follows:—

Real estate valuation . . . . .	\$38,538,700
Personal property, valuation . . . . .	3,334,900
	\$41,873,600
A rate of \$15.50 on \$1,000 valuation, with 13,423 polls at \$2.00 each, gives the total amount of the tax levy . . . . .	\$675,886.80

The appropriations provided for by the tax levy were as follows:—

Fire Department . . . . .	\$41,000.00
Police . . . . .	25,000.00
Police Station Incidentals . . . . .	3,500.00
Health Department . . . . .	12,000.00
Highways . . . . .	60,000.00
Indigent Soldiers and Sailors . . . . .	500.00
Interest . . . . .	55,000.00
Miscellaneous. . . . .	7,000.00
Public Grounds . . . . .	7,500.00
Public Library . . . . .	5,500.00
Printing and Stationery . . . . .	6,000.00
	\$223,000.00
<i>Amount carried forward,</i> . . . . .	\$223,000.00

<i>Amount brought forward,</i>	\$223,000.00
Reduction of Funded Debt . . . . .	75,000.00
Relief and Burial of Indigent Soldiers and Sailors . . . . .	3,500.00
Salaries . . . . .	34,000.00
School Contingent, Janitors' Salaries	10,000.00
School Contingent . . . . .	16,000.00
School Fuel . . . . .	8,000.00
Schoolhouse Incidentals . . . . .	12,000.00
School Teachers' Salaries . . . . .	125,000.00
Sewers, Maintenance . . . . .	7,000.00
Sidewalks. . . . .	10,000.00
Street Lights . . . . .	42,000.00
Support of Poor . . . . .	14,000.00
Watering Streets . . . . .	6,000.00
	<hr/>
For current expenses . . . . .	\$585,500.00
State of Massachusetts, State Tax . . . . .	39,225.00
“ “ “ Metropolitan sewer assmt.	7,996.50
“ “ “ Non-resident bank stock ,	819.95
County of Middlesex, County Tax . . . . .	32,029.82
Overlay and Abatement, for the sum added for frac- tional divisions and abatements . . . . .	10,315.53
	<hr/>
Total amount of appropriations provided for by the tax levy . . . . .	\$675,886.80

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

Police, the amount received of the State for cor- poration and bank taxes . . . . .	17,108.43
Public Library, the amount received of the County for dog licenses . . . . .	3,655.64
Water Maintenance, from the income of the water works . . . . .	25,000.00
Water Works, construction of the water works . . . . .	35,000.00
Water Loan Interest, balance of income of the water works . . . . .	16,285.00
Reduction of Funded Debt . . . . .	2,174.73
	<hr/>
Total amount of appropriations for the year . . . . .	\$775,110.60

A careful examination of the various accounts before the books can be closed for the year warrants the statement that the total expenditures will be within the amount appropriated. .

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

YEAR.	Amount of Funded Debt.	Increase of Funded Debt.	Reduction of Funded Debt.	Tax Rate per \$1,000 Valuation on account of Reduction of Funded Debt.
Town	\$593,349	.....	.....	.....
Dec. 31, 1872	643,354	\$50,005	.....	.....
" 1873	809,354	166,000	.....	.....
" 1874	1,419,854	610,500	.....	.....
" 1875	1,571,854	152,000	.....	.....
" 1876	1,606,854	45,000	\$55,130.62	\$2.07
" 1877	1,606,854	10,000	58,828.58	2.30
" 1878	1,596,854	.....	61,004.64	2.91
" 1879	1,585,000	.....	64,915.76	3.42
" 1880	1,585,000	.....	55,739.35	2.72
" 1881	1,585,000	.....	58,498.64	2.59
" 1882	1,585,000	.....	61,390.59	2.65
" 1883	1,585,000	.....	64,479.01	2.70
" 1884	1,585,000	.....	67,719.33	2.78
" 1885	*1,525,000	.....	71,305.66	2.87
" 1886	1,525,000	.....	66,894.23	2.57
" 1887	1,525,000	.....	70,252.88	2.56
" 1888	*860,500	25,000	37,000.00	1.28
" 1889	952,500	130,000	38,000.00	1.27
" 1890	1,057,500	150,000	45,000.00	1.38
" 1891	1,045,500	45,000	57,000.00	1.55
" 1892	1,194,500	253,000	104,000.00	1.58
" 1893	1,279,500	222,000	137,000.00	1.79

\* Sinking funds applied.

YEAR.	VALUATION.	TAX LEVY.	RATE.
1872	\$22,755,325	\$274,374.45	\$13.00
1873	29,643,100	389,214.48	12.80
1874	30,837,700	473,235.50	15.00
1875	31,317,000	518,161.40	16.20
1876	26,573,400	504,745.24	18.60
1877	25,479,400	471,789.14	18.10
1878	20,976,900	409,497.10	19.00
1879	18,950,100	352,553.80	18.00
1880	20,458,100	402,927.71	19.10
1881	22,569,100	452,945.45	19.50
1882	23,162,200	425,721.16	17.80
1883	23,812,900	411,645.43	16.70
1884	24,331,100	418,750.26	16.60
1885	24,878,400	428,605.44	16.60
1886	26,003,200	416,987.28	15.40
1887	27,471,800	424,309.14	14.80
1888	28,765,400	421,458.60	14.00
1889	30,004,600	440,324.40	14.00
1890	32,557,500	447,704.00	14.00
1891	36,843,400	539,137.10	14.00
1892	38,093,100	596,357.50	15.00
1893	41,873,600	675,886.80	15.50

Territorially, Somerville is one of the smallest cities of the State, two only, Chelsea and Everett, having less taxable acreage. The average taxable acreage of the cities of the Commonwealth is 10,457; Taunton, with 25,222 acres, being the largest, while Somerville numbers less than 1,900 acres, Everett 1,816, and Chelsea, the smallest, has 961. The population of Taunton averages a little more than one to the acre; Chelsea, 31; Everett, 6 1-2; and Somerville, with 25 persons per acre, has more dwellings to the acre than any city or town in the State, excepting Chelsea, and nearly as many as that city. The average tax-rate in the 30 cities of the Commonwealth is \$16.31, our tax being 81 cents below the average. The average tax-rate of Somerville since its incorporation as a city—a period of 22 years—has been \$16.08; last year, \$15.50. The lowest was \$12.80, in 1873; the highest \$19.50, in 1881.

It seems almost unnecessary that I should at this time review at length the condition of the various departments of the city. Two-thirds of last year's Government, seven members of the new Board of Aldermen and nine members of the Common Council returning with only a Sabbath's intermission from the duties and responsibilities of the last year's service, need not to be reminded of the various subjects which have been acted upon and completed, or have been, after more or less consideration, referred to this City Council. After one night's bivouac on the field of action, we open our eyes to behold the situation but slightly changed, with many of the same subjects still seeking or demanding solution.

It gives me pleasure to record my appreciation of the faithful service of all the Boards and heads of the city departments, the City Treasurer, City Clerk, City Solicitor, and all the employes at City Hall, without whose constant and efficient service, official life would be more difficult and burdensome than it now is. After many years of experience with many public officials, I can truly say that, in my opinion, no city in the Commonwealth has more honest, intelligent and loyal officials, and I take pleasure in thus publicly bearing witness to their worth. We begin the new year without incumbrance, with no unpaid bills, and with all the departments in excellent working condition.

At this time I would impress upon your minds the wisdom of a careful scrutiny of all items of expenditure in the regular appro-



priations and the imperative necessity of "living within our means."

I recommend to your careful consideration the proposition that the appropriations for the running expenses of the city to be raised under the twelve dollar tax limit be levied upon the average valuation for the past three years, instead of upon the valuation of last year alone. The law permits either course, and last year, owing to the demand for increased expenditure, it was deemed best to avail ourselves of the privilege of levying the larger amount, viz.: upon the valuation of 1892, which admitted of an appropriation of \$455,632.00. Then again certain very valuable estates were to be taxed for the first time, which, together with the increase of assessed values, increased the valuation to \$41,873,600.00—a gain of \$3,780,500.

This year the prospect of a corresponding increase of valuation is not as promising, and if the valuation of last year shall be made the basis, the tax-rate will be likely to be increased. The basis of the average valuation for the past three years will afford an appropriation of \$463,501, an increase of \$7,869.00. In addition to this should be added a considerable sum brought forward from the account of 1892 and paid from the appropriation of 1893. If this recommendation is carried into effect, the tax-rate will not exceed \$15.00 per thousand.

The Inspector of Buildings reports that permits for the erection of 482 buildings were issued during the last year. Although this is a slight reduction compared with the year 1892—owing doubtless to the stringency of money during a portion of the year—it indicates a healthy and substantial growth of the city and adds about 2,500 to the population of the city, which is estimated to be nearly, if not quite, 50,000 souls.

One year ago there were in use in the city three oil lamps, 276 arc and fourteen incandescent lights. During the year there have been added forty-one arc and fourteen incandescent lights. Twenty-five incandescents have been discontinued, leaving the number at the present time 317 arc lights, three being placed on public grounds, one on Central Hill and two on Broadway Park, 211 incandescent, and three oil lights.

## STREET DEPARTMENT.

During the past year the action of the Highway Committee has been in strict accordance with the course pursued the year previous, and consequently a very large amount of work has been performed. The object has been the rebuilding of thoroughfares on a lasting basis and taking care of the new streets which have been opened so rapidly in the different sections of the city; also, the temporary repair of such main streets upon which the Committees have been unable to make permanent improvements this year, but which under the general plan would receive early attention. The paving with granite blocks of Washington Street between Union Square and Medford Street, which was recommended one year ago, has been accomplished, and that portion of the street which was one of the worst in the city is now in splendid condition. The most extensive piece of macadamizing undertaken has been in Ward One, on Broadway; the entire distance between the Boston Line and Cross Street has been brought to grade, changing the former dangerous grade in a portion of it; a new foundation has been put in, and the whole covered with a wearing surface of Salem hard stone. Broadway from the boundary to the top of Winter Hill is now one of the finest streets in the vicinity. In Ward Four, Elm Street, from Davis Square to Willow Avenue, has been rebuilt with Waltham hard stone. I recommend that the work of rebuilding this street in the same manner be continued to Somerville Avenue during the present year. The calls for the building of new streets recently opened and built upon have been greater than ever before. In my opinion the Committee has responded to these demands in every ward to the full extent of the appropriation, and each section has had its equal share of improvements. A large amount of sidewalk building has been accomplished, nearly 15,000 feet of edge-stones and more than 13,000 square yards of brick sidewalks having been laid.

The subject of enlarging the city stables, which was considered last year, and for which plans have been prepared and estimates procured, is one that will require your early attention. The department is crippled for lack of horses and teams to do the necessary work, and is forced by lack of stable room to considerable ex-

pense in hiring private teams. But the principal reason for the enlargement rests in the request of the Board of Health that the ashes of the city be collected by the Highway Department. The work can be done by this department more economically and to the entire satisfaction of the people. It is also expected that this department will soon be called upon to provide stable room for the more efficient collection of city offal.

Arrangements for all this additional work have been provided for in the plans which were presented by the Highway Committee last summer. Owing to the stringent money market at that time the plans were not carried into effect.

On thoroughfares bearing the heavy travel, the wisest economy requires that only the best material be used. It is a waste of money to use Somerville blue-stone, and the Highway Committee of this year will do well to consider this suggestion. Our main streets should be built to wear, and only the hardest material that can be obtained is suitable for this purpose. Pearl Street and Medford Street from Cross to Central Streets are in need of immediate repairs and should be so built. This year the West End Street Railway will relay their tracks on Highland Avenue from Central Street to Davis Square. This portion of the avenue needs immediate repairs, and as the relaying of the tracks will necessitate more or less change of grade, I think the opportunity of making a first-class road-bed with hard stone surface should be improved. The experience in paving during the last two years has been so successful as to lead me to recommend that the paving of Somerville avenue from Park street to the junction of Elm street should be undertaken this year and as much of it completed as our finances will admit. This will provide a fine drive through Somerville to the Cambridge line, and by continuing through Elm street, as I have previously indicated, will furnish a first-class highway through West Somerville to the top of Clarendon Hill. These suggestions, if carried into effect, will prove of great benefit to our city. I suggest that one or two picked men be detailed to look after and repair immediately, under the direction of the Superintendent of Streets, any defects which may exist in our principal streets. This plan has been successfully carried out in Newton and other cities.

I cannot close this portion of my address without bearing wit-

ness to the great ability and faithfulness of the late Chairman of the Highway Committee, ex-Alderman William L. Barber. In his connection with this department he has manifested traits of character, a genius for hard work, and a capacity for carrying forward large enterprises to successful completion, which entitle him to the respect and confidence of all the citizens as well as to those who have been associated with him in his difficult work.

### FIRE DEPARTMENT.

The Department consists of two steam fire engine companies, four hose companies, one ladder company, and a new steamer for reserve, which has been obtained during the last year by purchase and exchange of an old steamer worn out in service. The number of fire alarms during the year 1893 was 92 bell and 18 still alarms. The loss by fire, as near as can be ascertained, was \$31,569.35, as against \$67,852, a decrease of \$36,282.65, or 53 1-2 per cent. The insurance on this property was \$125,950. At each alarm the fire has been confined to the building in which it originated, and in no case has the building been destroyed. The Department is in excellent condition.

During the past year the needs of the Department have been considered. A lot of land near the corner of Cedar Street and Highland Avenue has been purchased for the uses of a ladder truck when a building shall be erected to receive it. Several orders relating to the erection of a building, and one sketch of a proposed building are in the files of papers referred to this City Council, and will soon come before you for consideration. One is to erect a Central Fire Station, at an estimated cost of \$20,000, on the West Somerville lot. The other is to erect the same building on the Brastow Schoolhouse lot. That a Central Fire Station is needed there can be no doubt. The exigencies of the Department require room as soon as it can be obtained. Early last year it was proposed to enlarge the present Steamer One House, but the project was not regarded with favor. Three City Councils have declined to take action on the subject of enlargement.

I referred to this matter one year ago at considerable length, and favored the erection of the Central Fire Station on the Brastow

Schoolhouse location. Another year of careful consideration of the subject has confirmed rather than changed the views I then expressed. I think that for all the purposes required of such a station this location is superior to any other mentioned. In all respects it has advantages. If the station is erected upon this site, it will furnish head-quarters for the Fire Department and a central location for the chemical engine and fire alarm system. In that event, a smaller and less expensive building can be erected for the ladder truck in West Somerville. I believe that public sentiment is in accord with this recommendation, and I submit the subject to your careful consideration.

The Superintendent of Electric Lines and Lights recommends that a wagon be procured for carrying tools and materials necessary for repairing breaks, or for general work on fire alarm and police wires and for dispatch in reaching places of accident. Owing to the large increase of electric wires by electric lighting, West End Street Railway trolley and numerous telephone and telegraph lines, the liability of broken wires and the danger to the public incurred thereby is greatly increased. This wagon should be kept at the head-quarters of the fire alarm system. He also suggests that a striker be put on Clarendon Hill, at the Lincoln School-house, to notify the children in that part of the city of "no school" and for fire alarm purposes.

## OVERSEERS OF THE POOR.

It gives me pleasure to state that the Board of Overseers of the Poor fully realize the unusual demand which may be made upon them during the present winter and are cognizant of the true condition and wants of any who have made known their distress. It also affords gratification to state that owing to the general character of our citizens, and the continuance of active business in the city, the number of unemployed is not nearly as large, proportionately, as in many other cities. Still, doubtless, it is a fact that an unusual number may require assistance before the winter is over. Should such be the case, I am sure the good people of our city will not murmur if the amount expended in public benefaction is larger than usual. The citizens of Somerville have never begrudged any

amount, judiciously expended, to aid deserving applicants, and now, in addition to the means provided by the city, the citizens are reorganizing charitable societies and forming Associated Charities to carry forward private benevolent agencies designed to prevent pauperism and suffering.

The number partially supported during the past year was 1,091, an increase of 168 over 1892; number fully supported 117, an increase of eleven over 1892, five of this increase being in the number of insane. The total expenditure of this department last year was \$17,800.51, an increase of \$785.21 over the previous year. The number fully supported at the present time is seventy-five, an increase of ten over one year ago. Four of these are children.

At its last regular meeting the Board of Overseers voted unanimously to recommend to the City Council the purchase of a suitable site for the erection of a City Almshouse, in view of the fact that they have not been able to hire a house in accordance with authority given by last year's City Council, and inasmuch as available land of sufficient area can be better procured at the present time.

I respectfully ask your consideration of this action of the Board of Overseers.

### SOMERVILLE HOSPITAL.

Although this is a private and in no sense a public institution supported by the city, it is one in which Somerville may well feel an honorable pride. Its completion engaged the last labors of the Hon. Charles G. Pope, my predecessor in the mayoralty, who departed this life on the twenty-fourth day of April last. He lived long enough to witness its completion after long and faithful labor in perfecting its organization. It was dedicated on May 17, 1893, and was immediately occupied. Though the need of such an institution has long been recognized, yet such was not fully understood until the hospital had demonstrated it by its humane and noble work. Having no endowment or stated income, it relies for support principally upon the contributions of our benevolent citizens. Owing to the fact that it receives and maintains many who might otherwise be a charge upon the city, I trust the citizens will not be heedless to its calls for financial aid.

## POLICE DEPARTMENT.

No changes have occurred in this department during the year. The comparative freedom from crime which we have enjoyed is due in a large degree to the efficiency of the police force. The department is well conducted and can be relied upon for a faithful discharge of duty.

Owing to the large number of new streets, which necessitates longer routes, I think the force should be increased by the appointment of three additional patrolmen. I recommend this action after frequent interviews with the Chief in relation to the efficiency of the force. I concur in his recommendation that the signal system be extended to provide for two more circuits and three additional boxes, and that a matron to take care of female prisoners be appointed.

I renew in another form a recommendation made one year ago, in regard to retiring aged and faithful patrolmen, who have served fifteen or twenty years, and are unfitted for street duty by reason of age. Authority for this action must be granted by statute, and I recommend that the Mayor be authorized to petition the Legislature for the enactment of a law which shall confer this power upon the City Council.

## NATHAN TUFTS PARK.

During the year two loans of \$5,000 each have been made for the purpose of completing this park, and the amount of \$10,000 has been expended under the direction of the Committee on Public Grounds. Enough has been accomplished to comply with the terms of the deed of gift, and as soon as the weather will permit the necessary landscape gardening will be undertaken, lawns and walks laid out, trees and shrubbery set out, and it is hoped that all necessary work will be finished in season to dedicate the park on the Fourth of July next, when, as I understand, our patriotic residents of West Somerville propose to out-do the splendid celebration of the day last year. Truly, such an occasion should appeal to the patriotism of the entire city and afford a fine opportunity for its display.

It will be necessary, and at an early day, to appropriate a sufficient sum for the completion of the park.

### STREET BOUNDS AND CITY SURVEY.

I respectfully call your attention to the last annual report of the City Engineer, in which he submits the necessity of placing stone monuments or bounds at street intersections for the purpose of permanently establishing street lines and affording an indestructible record of their location. I will not quote at length the paragraph to which I refer, but will recommend that the sum of \$500 be appropriated for that purpose. I also call your attention to his reference to the necessity of completing the City Survey, found on page 7 of this report, and approve his request for an appropriation of \$500 to defray the expense. No appropriation for this purpose has been made since 1883.

### SOMERVILLE MYSTIC WATER BOARD.

In January last the president of this Board, Albion A. Perry, Esq., whose term of service was about to expire, declined a re-appointment, and the city was thus deprived of his valuable services. Mr. William F. Hall was appointed for the full term of three years. The following is a brief synopsis of the work of the Board during the past year :—

Length of mains extended . . . .	8,031 feet
Length of mains re-laid . . . .	16,305 feet
making over 4 6-10 miles pipe put in.	
Number of services put in . . . .	372
Number of feet of pipe . . . .	13,432 (over 2 1-2 miles)
Number of hydrants set . . . .	54
Number of hydrants removed . . . .	21
Net increase in hydrants . . . .	33
making total number now in city, 568	
of which 26 are private hydrants.	

A large district has been re-laid with iron pipe in West Somerville, and Washington street from Medford street to Union square has also been re-laid, together with many smaller streets. A new boiler has been erected at the pumping station, and scales have also been put in there for weighing coal, pipe, etc. The Board emphasizes the necessity of re-laying a large portion of the cement pipe now in the city as a matter of economy, and this should be done the coming year, in their opinion.



## PUBLIC SCHOOLS.

During the year a change in the office of superintendent has been made. Mr. C. E. Meleney has resigned and Mr. Gordon A. Southworth has succeeded him in that office. The latter needs no introduction to the citizens of Somerville. Occupying for twenty years the post of principal of the Prescott School, he has become well known to us all. He brings to his office ripe experience as a teacher, business methods, and a devotion to his calling which will be beneficial to our public schools. The City Council of last year provided ways and means for the erection of an English high school, purchased the property of the Unitarian Society to afford ample room for its location, and have made a contract for the erection of the building. The enlargement of the Bingham School is in progress and will be completed within four months, and an appropriation has been made for the erection of a school-house on Kent street to accommodate children living south of the Fitchburg Railroad. The land for this purpose was purchased and plans of a building adopted, but owing to the fact that the English high school appropriation was inadequate to cover the contract for the erection of the building, it was decided late in the year to transfer a sufficient sum from the Kent Street School appropriation, with the understanding that the amount thus taken, and enough more to complete that building, should be appropriated as soon as possible this year. I therefore recommend that such action be taken at once, in order that this school-house may be built early in the season, in accordance with the plans already adopted.

At the final meeting of the School Board, held December 26, a report containing several recommendations was adopted. These will soon be presented to the City Council in the report of the Committee on Additional School Accommodation. In order to anticipate in point of time, I will here give you a brief statement of the principal recommendations:—

1. The erection of a four-room building for primary schools in the northeasterly part of Ward One, on Broadway, between Mt.

Vernon Street and Benedict Avenue, or on the vacant land adjoining the Prescott School on Myrtle Street.

2. If the Webster School had not been burned, there would have been no demand for additional school accommodations in Ward Two in 1894. Instead of re-building that schoolhouse it is proposed to enlarge the Knapp School by the addition of four rooms, which will provide adequate room for the scholars of both schools.

3. The enlargement by the addition of eight rooms to the Burns School in Ward Four. This will relieve the overcrowded condition of four schools in that ward. The Burns School is about midway between the Morse and Highland Schools, in the centre of a growing district. It furnishes (in the opinion of the superintendent) just the needed nucleus for another grammar school centre, and its enlargement will relieve the Highland and Lincoln on one hand, and the Morse on the other. I commit these recommendations of the Superintendent of Schools to your careful consideration.

The average cost of education for each scholar in the public schools during 1893 was \$23.68, a decrease of 25 cents per scholar compared with the previous year.

#### HEALTH DEPARTMENT.

During the year two changes have taken place in this department, caused by the declination of Mr. J. Frank Wellington to accept another appointment, and the resignation of Mr. Charles H. Crane, consequent upon his election to represent the city in the General Court. Both these gentlemen had served the city faithfully in a department which requires ability and patience and devotion to the best interests of the city. The vacancies were filled by the appointment of T. M. Durell, M. D., and ex-Alderman A. T. Nickerson.

The Board has under consideration the problem of the proper disposition to be made of the city garbage, upon which it will report at a future date.

## CITY HALL.

One year ago I referred to this subject, and the general improvement of the Central Hill Park, and stated that the need of a new City Hall was beginning to be seriously felt. I was well aware of the inconvenience of transacting public business in such a building, but when outlining a plan for buildings on that public ground, I thought that the plan might be gradually consummated in a period of a few years. Now I believe that a new City Hall is imperatively demanded, and I do not hesitate to request your early and favorable consideration with a view to your speedy action in procuring plans and estimates of the cost of such a building as the urgent necessities of the case demand. The present structure was erected in 1852. For twenty years it was used as a High School, afterwards as a Town House, and in 1872, upon the organization of the City Government, became the City Hall, and has been used as such ever since. The building that was sufficient for city purposes in 1872 is entirely inadequate for such uses now. A city of 50,000 inhabitants has grown up around it, and it is no longer suited for the centre of the city's official and business activities. Every department is pressed for room. The Board of Assessors, having frequent hearings and employing in summer an extra number of clerks, requiring much floor room, has no access to its office excepting through the room of the Clerk of Committees, who himself is in need of room. There is no office room whatever for the Superintendent of Streets, Electric Lines and Lights, or Health Department. The City Engineer says of his office accommodations: "It has long been evident that the facilities for properly arranging plans, note-books, etc., in the department are entirely inadequate to its needs. The office is small and poorly arranged for the number of men employed, and it is even necessary to locate some of the office help in another part of the City Hall, beyond the control of the engineer. The present arrangement for filing plans is so small, and the books and plans are so crowded, that it is only with extreme care that plans can be used without injury. The safe for plans and note-books is small, and its construction is such that if the building were destroyed by fire, the contents, if not entirely

destroyed, would be of very little value. The loss of note-books and plans would be a severe one, and it would be impossible to replace them at any cost. The records of location and depths of sewer and water mains, the plans of highway locations, the surveys of streets, lands, and buildings, levels and grades for highways, and land plans of which no other copies can now be obtained, all would be destroyed."

The same difficulty is experienced in nearly every department. There is not a room available for conversation and interviews. All business must be transacted in public rooms or hallways. The sanitary arrangements are entirely inadequate. There is but one retiring-room in the building, and that of a character excelled in almost every private dwelling having any claim to respectability. At the last meeting of 1893, a special committee appointed some months before to consider the advisability of providing more room in City Hall, and reporting a plan, after having had but few meetings with an interval of some months, submitted a recommendation that a wooden addition be built upon the School Street end. Only a few months before the obnoxious wooden horse-sheds had been removed, as much on account of their dangerous proximity to the building as for any other cause, and now it is seriously proposed to add what might prove a tinder-box to this old building already considered unsafe in case of fire. I do not believe it wise policy to increase accommodations in that way or in any other, except in the erection of a new hall which shall fully answer the purposes for which it shall be erected and prove a source of pride to our citizens. In these days schoolhouses and public buildings are planned for the purpose of enlargement in the event of overcrowding, but any expenditure upon this building, would, in my opinion, be money thrown away. Any wise business man or corporation plans buildings, mills, and factories with some reference to future growth of business. It is an exercise of good judgment, in my opinion, for a city to provide building accommodations beyond the pressing needs of the present hour.

#### PUBLIC LIBRARY.

During the year, Miss Adams, who had been librarian from its organization, more than twenty years ago, resigned her position,

and was succeeded by Mr. John S. Hayes, who had for fifteen years been principal of the Forster School. He entered upon his active duties on the first day of July last. Under the direction of the trustees he has commenced preparations for the entire re-organization of the library, which will provide for a complete classification of the books and require considerable more room, especially for shelving, books in stack, a suitable room for the reference library, a room for students and others who use the library for study and research, and a room for the proper care of relics of the past.

When the building was completed it was large enough for the library as it then existed, but the increase in population has demanded an increased number of books, and books require room. Common prudence would suggest an addition to the stack room, with space for at least 60,000 volumes. The present delivery space is too small for the large numbers that come to the library for books. The reading-room should occupy much more space. These and other reasons suggest the need of more room. The subject is now being discussed in the local papers, "not with an idea of finding out how pressing present needs may most easily be met, but with a comprehensive view of the probable needs of the next generation, and with a purpose of doing work now so that it will not have to be done all over again a dozen years from now." This language so nearly expresses the spirit of the recommendations made one year ago, and which another year has convinced me to be correct, that I quote it with pleasure as indicative of the trend of public opinion toward the true and natural solution of the great problem of improvement in the public buildings.

The location of the English High School will prevent any possibility of enlargement of the Public Library eastward. The only suitable method of obtaining additional room is to erect a building westward toward School Street. I believe that the City Hall should be erected further eastward, and a building for the use of the Public Library erected joining the present library building and connected with it. This new building could serve as a public Memorial Hall and Public Library combined. The new building could be of the same general style of architecture and present a pleasing effect. The lower story could be utilized

as a stack room and for other purposes of the library, and the present building fitted up, as the trustees suggest, for reading-rooms, reference library and rooms in which the student or investigator could pursue his researches without confusion or interruption.

This plan for the improvement of Central Hill is feasible, and can be carried out. There are two ways of accomplishing it. One is to erect a new building each year from appropriations made on the funded debt account, to be paid for within a period of ten years; the other is to follow the course pursued by Lowell and other cities which have felt the need of great public improvements—city halls, public library buildings, high schools, memorial halls and parks. Lowell, for instance, has just completed some of the finest public buildings in the State—a city hall, memorial and public library combined, and high school. Instead of building piecemeal, the city obtained authority from the legislature to borrow the amounts required outside the debt limit, and for the term of thirty years. As the work of erecting these buildings was to require considerable time, and cover the period of several city governments, the construction was placed in the hands of a commission consisting of its leading citizens, and the grand work has been accomplished. These buildings, if we erect them, are to continue for more than one generation. They are to be used by those who shall follow us in a long succession of years. Our borrowing capacity should always remain as large as possible in order to provide school-houses, engine houses, sewers and other important matters, but the weight of a loan on long time would be comparatively light and be borne in a measure by those who are to receive its benefits. The Somerville Avenue paving loan is an illustration of this idea. Newton is to have its grand boulevards, Cambridge its splendid parks. Somerville, with the finest location in this section of the State for its public buildings, will one day have them.

#### GENTLEMEN OF THE CITY COUNCIL :

There are many matters of public interest to which I have not referred. Much has been done which time will not permit me to

speak of at length, and that has not been mentioned in print. Such matters as the removal of grade crossings, reduction of the price of gas and change of railroad locations have had the close attention of the City Solicitor and the Mayor, the former having attended all hearings in these cases in the interest of the citizens of Somerville. He has been faithful in all his works, and while a trumpet has not been sounded before him he has accomplished much which will bear fruit and be creditable to himself and the city. Let us determine here and now that we will be true to the interests of this dear city now committed to our care. The year stretches out before us. It will be crowded with labors and activities. May we so conduct the public business that at its close our fellow-citizens may gladly say to each, "Well done, good and faithful servant."





REPORT OF THE  
TREASURER AND COLLECTOR  
OF TAXES.

# CITY OF SOMERVILLE.

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IN BOARD OF ALDERMEN, January 24, 1894.  
Referred to committee on finance, and sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

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IN COMMON COUNCIL, January 25, 1894.  
Referred to committee on finance in concurrence.

WILLIAM P. MITCHELL, *Clerk pro tem.*

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IN COMMITTEE ON FINANCE, February 13, 1894.

*To the City Council of Somerville:* The committee on finance, to which was referred the annual report of the treasurer and collector of taxes for the year 1893, respectfully reports that an examination of the said report has been made this day by the entire committee. In connection with this examination a careful comparison has been made with the books of the city auditor, and with the financial statements received from the several committees, boards, and officers of the city, accountable for the use of city funds. The cash account of the treasurer has been verified by actual count of the cash on hand, and the balances shown to be in the banks of deposit have been confirmed by the officers of the several banks.

This task, which might be considered laborious, occupying, as it did, the entire day, was rendered comparatively easy by the thorough knowledge of his business, possessed by the city treasurer, and the clear explanation of every detail of his report.

We desire to bear witness to the orderly and business-like method of his office, and the condition of his books and accounts which are models of neatness and care.

We have discovered no error in any particular, and recommend that his report be accepted and printed in the annual reports of the year 1893.

WILLIAM H. HODGKINS,  
FRANKLIN F. PHILLIPS,  
LEWIS STOCKBRIDGE,  
FRANK W. KAAAN,  
FREDERICK A. P. FISKE,  
WILFRED B. RICH,  
G. LESLIE NICHOLS,  
HERBERT L. CLARK,

} *Committee.*

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IN BOARD OF ALDERMEN, February 28, 1894.  
Accepted and sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

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IN COMMON COUNCIL, March 1, 1894.  
Accepted in concurrence.

CHARLES S. ROBERTSON, *Clerk.*

## CITY OF SOMERVILLE.

TREASURER'S OFFICE, January 18, 1894.

*To the Honorable the Mayor and City Council of the City of  
Somerville:*

GENTLEMEN,—The undersigned presents herewith the twenty-second annual report of the financial condition of the city, and a statement showing, in detail, the receipts and disbursements for the year ending December 31, 1893.

The value of the property of the city December 31, 1892, was \$1,752,351.58. The property acquired during the year was as follows:

Estate of the First Congregational Society, Central Hill . . . . .	\$45,000.00
Fire Department, Relief Engine . . . . .	3,000.00
Fire Department, land on Highland Avenue . . . . .	2,970.83
Nathan Tufts Park . . . . .	13,466.33
Schoolhouse in Ward Three (Glines) . . . . .	1,200.68
Schoolhouse in Ward Four, south side Fitchburg R. R. . . . .	3,255.39
Schoolhouse, Edgerly Addition . . . . .	11,825.83
Schoolhouse, Bingham Addition . . . . .	5,710.00
Schoolhouse, English High . . . . .	2,018.00
Water Works Extension . . . . .	35,545.30
Total amount of property acquired during the year	\$133,992.36

The value of the public property as appears by an inventory and report of the Committee on Public Property dated December 18, 1893, was \$1,943,648.52, including the accessions during the year, with the exception of the amounts paid on account of the English High Schoolhouse, and for the extension of the water

works. Including the two last named items the total amount of public property December 31, 1893, was \$1,981,211.82 as per Table A.

The funded debt December 31, 1892, as per Table B of the last annual report, was \$1,141,500.00.

The debt was increased during the year by appropriations made in 1892 amounting to \$53,000.00, and by the following appropriations by the City Council of 1893, viz :

Estate of the First Congregational Society, Central Hill . . . . .	\$45,000.00
Fire Department, Steam Fire Engine . . . . .	3,000.00
Fire Department, land on Highland Avenue . . . . .	3,000.00
Highways, paving Washington Street . . . . .	24,000.00
Nathan Tufts Park . . . . .	10,000.00
Schoolhouse in Ward Three . . . . .	1,500.00
Schoolhouse in Ward Four . . . . .	15,000.00
Schoolhouse, English High . . . . .	80,000.00
Schoolhouse, Edgerly Addition . . . . .	3,500.00
Schoolhouse, Bingham Addition . . . . .	10,000.00
Sewers, Construction . . . . .	10,000.00
Renewals of Funded Debt . . . . .	17,000.00

for which the following bonds were issued, viz :

City Loan Bonds Nos. 1325 to 1348, payable 1894, interest $4\frac{1}{2}$ per cent. . . . .	\$24,000.00
City Loan Bonds Nos. 1349 to 1372, payable 1895, interest $4\frac{1}{2}$ per cent. . . . .	24,000.00
City Loan Bonds Nos. 1373 to 1396, payable 1896, interest $4\frac{1}{2}$ per cent. . . . .	24,000.00
City Loan Bonds Nos. 1397 to 1420, payable 1897, interest $4\frac{1}{2}$ per cent. . . . .	24,000.00
City Loan Bonds Nos. 1421 to 1444, payable 1898, interest $4\frac{1}{2}$ per cent. . . . .	24,000.00
City Loan Bonds Nos. 1445 to 1468, payable 1899, interest $4\frac{1}{2}$ per cent. . . . .	24,000.00
<i>Amount carried forward</i> . . . . .	<hr/> \$366,000.00

<i>Amount brought forward</i> . . . . .	\$144,000.00
City Loan Bonds Nos. 1469 to 1492, payable 1900, interest 4½ per cent. . . . .	24,000.00
City Loan Bonds Nos. 1493 to 1516, payable 1901, interest 4½ per cent. . . . .	24,000.00
City Loan Bonds Nos. 1517 to 1546, payable 1902, interest 4½ per cent. . . . .	30,000.00
City Loan Bonds Nos. 1547 to 1581, payable 1903, interest 4½ per cent. . . . .	35,000.00
City Loan Sewer Bonds Nos. 36 to 53, \$1,000 payable annually 1894 to 1911, interest at 4½ per cent. . . . .	18,000.00
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making the total amount of bonds issued in 1893 . . . . .	\$275,000.00

The following bonds became due during the year and were paid from the appropriation, and unexpended balance of Reduction of Funded Debt account, viz :

City Loan Bonds 1224 to 1233, interest at 4 per cent.	\$10,000.00
“ 856 “ 880, “ 4 “	25,000.00
“ 799 “ 852, “ 4 “	54,000.00
“ 929 “ 933, “ 4 “	5,000.00
“ 1023 “ 1032, “ 4 “	10,000.00
“ 1111 “ 1114, “ 4 “	4,000.00
“ 1154 “ 1160, “ 4 “	7,000.00
Water Loan Bond No. 282, interest at 4 per cent.	1,000.00
Water Loan Bonds Nos. 89 to 99, interest at 5 per cent. . . . .	11,000.00
Water Loan Bonds Nos. 312 to 314 interest at 4 per cent. . . . .	3,000.00
Water Loan Bonds Nos. 397 to 398, interest at 4 per cent. . . . .	2,000.00
City Loan Paving Bonds Nos. 1 to 5, interest at 4 per cent. . . . .	5,000.00
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making the total amount of bonds paid during the  
year . . . . . \$137,000.00  
and leaving the net funded debt December 31,  
1893, as per Table B, \$1,279,500.00

## RESOURCES.

Assessors' warrant for the tax levy, assessed upon the polls and estates of the inhabitants, as follows, viz :

Real estate, valuation . . . . .	\$38,538,700.00
Personal property, valuation . . . . .	3,334,900.00
Total valuation . . . . .	<u>\$41,873,600.00</u>

A rate of \$15.50 on \$1,000 valuation, with 13,423 polls at \$2.00 each, gives the total amount of the tax levy . . . . .	\$675,886.80
Borrowed on Funded Debt account to provide for the cost of public improvements . . . . .	205,000.00
Revenue from the Water Works . . . . .	78,459.73
Corporation and National Bank taxes . . . . .	19,307.79
Received from County Treasurer for Dog Licenses . . . . .	3,655.64
Received from various sources . . . . .	45,865.96
Unexpended balances from 1892 . . . . .	61,844.72
Total amount of resources . . . . .	<u>\$1,090,020.64</u>

The appropriations, credits, and balances of the various accounts were as follows :—

Accounts.	Appropriations.	Credits.	Expenditures. and Balances.
Estate of the First Congregational Society, Central Hill :—			
Appropriation, Funded Debt ac- count . . . . .	\$45,000.00		
Expended . . . . .			\$45,000.00
Fire Department :—			
Appropriation . . . . .	41,000.00		
Received for old materials, etc. . . . .		\$96.53	
Expenditures . . . . .			42,205.44
Deficiency . . . . .			1,108.91

REPORT OF THE TREASURER AND COLLECTOR OF TAXES. 67

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
Fire Department, New Steam Fire Engine :—			
Appropriation, Funded Debt account . . . . .	3,000.00		
Expended . . . . .			3,000.00
Fire Department, Land on Highland Avenue :—			
Appropriation, Funded Debt account . . . . .	3,000.00		
Expended . . . . .			2,970.83
Unexpended balance . . . . .			29.17
Health Department :—			
Appropriation . . . . .	12,000.00		
Received for permits, licenses, etc.		478.00	
Expenditures . . . . .			14,925.45
Deficiency . . . . .			2,447.45
Highways :—			
Appropriation . . . . .	60,000.00		
Received for labor and materials .		4,809.26	
Expenditures . . . . .			64,167.82
Unexpended balance . . . . .			641.44
Highways, Paving Union Square and parts of Somerville and Webster Avenues :—			
Balance from 1892 . . . . .		4,102.09	
Received for material . . . . .		23.85	
Expenditures . . . . .			3,781.34
Unexpended balance . . . . .			344.60
Highways, paving Washington Street, Union Square to Medford Street :—			
Appropriation, Funded Debt account . . . . .	24,000.00		
Expenditures . . . . .			22,046.65
Unexpended balance . . . . .			1,953.35

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
<b>Indigent Soldiers and Sailors :—</b>			
Appropriation . . . . .	500.00		
Expenditures . . . . .			749.00
Received of State of Massachusetts . . . . .		374.50	
Unexpended balance . . . . .			125.50
<b>Interest :—</b>			
Appropriation . . . . .	55,000.00		
Received interest on taxes, etc. . . . .		7,602.75	
Expenditures . . . . .			48,538.14
Unexpended balance . . . . .			14,064.61
<b>Miscellaneous :—</b>			
Appropriation . . . . .	7,000.00		
Received for costs on taxes, assessments, licenses, etc. . . . .		4,035.56	
Expenditures . . . . .			14,377.77
Deficiency . . . . .			3,342.21
<b>Nathan Tufts Park :—</b>			
Balance from 1892 . . . . .		3,408.55	
Appropriation, Funded Debt account . . . . .	10,000.00		
Received for labor and materials . . . . .		71.32	
Expenditures . . . . .			13,537.65
Deficiency . . . . .			57.78
<b>Overlay and Abatement :—</b>			
Appropriation . . . . .	\$10,315.53		
Transferred to other accounts . . . . .	2,766.47		
	<hr/>		
	7,549.06		
Received for taxes . . . . .		30.80	
Applied and to be applied to abatements on taxes . . . . .			7,579.86
<b>Police :—</b>			
Appropriation . . . . .	25,000.00		
Received bank and corporation taxes . . . . .		19,307.79	
Received court fees, fines, etc. . . . .		4,881.55	
Expenditures . . . . .			47,773.83
Unexpended balance . . . . .			1,415.51



REPORT OF THE TREASURER AND COLLECTOR OF TAXES. 69

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
<b>Police Station Incidentals :—</b>			
Appropriation . . . . .	3,500.00		
Received for rent . . . . .		400.00	
Expenditures . . . . .			2,739.66
Unexpended balance . . . . .			1,160.34
<b>Printing and Stationery :—</b>			
Appropriation . . . . .	6,000.00		
Expenditures . . . . .			6,070.52
Deficiency . . . . .			70.52
<b>Public Grounds :—</b>			
Appropriation . . . . .	7,500.00		
Received for labor and materials		579.30	
Expenditures . . . . .			7,668.09
Unexpended balance . . . . .			411.21
<b>Public Library :—</b>			
Appropriation . . . . .	5,500.00		
Received for dog licenses, fines, etc. . . . .		4,014.70	
Deficiency balance from 1892 . . . . .			335.44
Expenditures . . . . .			9,155.90
Unexpended balance to 1894 . . . . .			23.36
<b>Reduction of Funded Debt :—</b>			
Appropriation . . . . .	75,000.00		
Balance from 1892 . . . . .		40,081.71	
Received dividends and income of water works . . . . .		10,830.36	
Expended . . . . .			120,000.00
Balance to be expended in 1894 . . . . .			5,912.07
<b>Relief and Burial of Indigent Soldiers and Sailors :—</b>			
Appropriation . . . . .	3,500.00		
Expended . . . . .			4,597.32
Deficiency . . . . .			1,097.32

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
Salaries :—			
Appropriation . . . . .	34,000.00		
Expenditures . . . . .			34,834.03
Deficiency . . . . .			834.03
School Contingent :—			
Appropriation . . . . .	16,000.00		
Received for tuition of non-resi- dent pupils, etc. . . . .		113.98	
Expenditures . . . . .			19,781.95
Deficiency . . . . .			3,667.97
School Contingent, Janitors' Sala- ries :—			
Appropriation . . . . .	10,000.00		
Expenditures . . . . .			10,160.63
Deficiency . . . . .			160.63
School Fuel :—			
Appropriation . . . . .	8,000.00		
Expenditures . . . . .			8,312.05
Deficiency . . . . .			312.05
Schoolhouse Bingham Addition :—			
Appropriation, Funded Debt ac- count . . . . .	10,000.00		
Transferred from English High Schoolhouse account . . . . .	4,000.00		
Expended . . . . .			5,710.00
Balance to be expended in 1894 . . . . .			8,290.00
Schoolhouse Edgerly Addition :—			
Appropriation, Funded Debt ac- count . . . . .	3,500.00		
Balance from 1892 . . . . .		8,782.50	
Expended . . . . .			11,825.83
Balance to be expended in 1894 . . . . .			456.67

REPORT OF THE TREASURER AND COLLECTOR OF TAXES. 71

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
Schoolhouse, English High :—			
Appropriation, Funded			
Debt account . . . . .	80,000.00		
Transferred to Bingham			
Addition account . . . . .	4,000.00		
	<u>76,000.00</u>		
Transferred from Ward Four			
Schoolhouse account . . . . .	7,500.00		
Expended . . . . .			2,018.00
Balance to be expended in 1894 .			81,482.00
Schoolhouse in Ward Two Prospect Hill District :—			
Balance from 1892 . . . . .		890.00	
Expenditures . . . . .			890.00
Schoolhouse in Ward Three :—			
Appropriation, Funded Debt ac-			
count . . . . .	1,500.00		
Expenditures . . . . .			1,200.68
Unexpended balance . . . . .			299.32
Schoolhouse Ward Four south side F. R. R. :—			
Appropriation, Funded			
Debt account . . . . .	15,000.00		
Transferred to English			
High Schoolhouse ac-			
count . . . . .	7,500.00		
	<u>7,500.00</u>		
Expended . . . . .			3,255.39
Balance to be expended in 1894 .			4,244.61
Schoolhouse Incidentals :—			
Appropriation . . . . .	12,000.00		
Received for insurance, etc. .		321.61	
Expenditures . . . . .			12,469.11
Deficiency . . . . .			147.50

Accounts.	Appropriations.	Credits.	Expenditures. and Balances.
<b>School Teachers' Salaries :—</b>			
Appropriation . . . . .	125,000.00		
Expenditures . . . . .			136,962.65
Deficiency . . . . .			11,962.65
<b>Semi-Centennial Celebration :—</b>			
Balance from 1892 . . . . .		164.89	
Expenditures . . . . .			155.25
Unexpended balance . . . . .			9.64
<b>Sewers :—</b>			
Appropriation for construction, Funded Debt account . . . . .	10,000.00		
Appropriation for maintenance . . . . .	7,000.00		
Balance from 1892 construction account . . . . .		3,106.25	
Received for permits, etc. . . . .		1,226.00	
Expenditures (less assessments \$17,169.80) . . . . .			20,591.29
Unexpended balance maintenance account. . . . .			484.21
Balance to be expended in 1894 construction account . . . . .			256.75
<b>Sidewalks :—</b>			
Appropriation . . . . .	10,000.00		
Received for bricks . . . . .		51.35	
Expenditures (less assessments \$9,583.68) . . . . .			9,825.86
Unexpended balance . . . . .			225.49
<b>Street Lights :—</b>			
Appropriation . . . . .	42,000.00		
Received for old iron . . . . .		8.33	
Expenditures . . . . .			39,402.54
Unexpended balance . . . . .			2,605.79
<b>Support of Poor :—</b>			
Appropriation . . . . .	14,000.00		
Received for aid furnished, etc. . . . .		2,339.35	
Expenditures . . . . .			17,799.58
Deficiency . . . . .			1,460.23

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
<b>Water Loan Interest :—</b>			
Received of City of Boston, water rates . . . . .		16,185.00	
Received of sundry persons account . . . . .		20.00	
Expenditures . . . . .			16,205.00
<b>Water Maintenance :—</b>			
Balance from 1892 . . . . .		1,083.93	
Received from City of Boston water rates . . . . .		25,000.00	
Received from Water Service account . . . . .		1,401.54	
Received for labor and materials . . . . .		204.03	
Expenditures . . . . .			28,286.17
Deficiency balance to 1894 . . . . .			596.67
<b>Watering Streets :—</b>			
Appropriation . . . . .	6,000.00		
Received from abutters . . . . .		7,391.54	
Expenditures . . . . .			13,258.94
Unexpended balance . . . . .			132.60
<b>Water Works Extension :—</b>			
Balance from 1892 . . . . .		560.24	
Received of City of Boston, water rates . . . . .		35,000.00	
Received for labor and materials . . . . .		154.68	
Expenditures . . . . .			35,699.98
Unexpended balance to 1894 . . . . .			14.94
<b>State of Massachusetts :—</b>			
Appropriation . . . . .	39,225.00		
Expended, State Tax . . . . .			39,225.00
<b>State of Massachusetts, Metropolitan Sewer</b>			
Appropriation . . . . .	7,996.50		
Expended Sewer Tax . . . . .			7,996.50

Accounts.	Appropriations.	Credits.	Expenditures and Balances.
State of Massachusetts, Non-resident			
Bank Stock :—			
Appropriation . . . . .	819.95		
Expended, non-resident tax . . . . .			819.95
County of Middlesex :—			
Appropriation . . . . .	32,029.82		
Expended, County Tax . . . . .			32,029.82
Excess and Deficiency :—			
Transferred from Overlay and Abatement account to provide for deficiency . . . . .	2,766.47		
	\$880,886.80	\$209,133.84	\$1,090,020.64
	209,133.84		
	<u>\$1,090,020.64</u>		<u>\$1,090,020.64</u>

## RECAPITULATION.

Appropriations as per tax levy . . . . .	\$675,886.80		
Appropriations, Funded Debt account	205,000.00		
Received, revenue from Water Works	78,459.73		
Received, State, Bank and Corporation Taxes . . . . .	19,307.79		
Received from County Treasurer for Dog Licenses . . . . .	3,655.64		
Received from various sources. . . . .	45,865.96		
Balances from 1892 . . . . .	61,844.72		
Expenditures . . . . .			\$989,601.47
Public Library, deficiency balance 1892			335.44
Balances to be expended in 1894 . . . . .			100,083.73
	<u>\$1,090,020.64</u>		<u>\$1,090,020.64</u>

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

Cash . . . . .	\$53,488.07
Real-estate liens . . . . .	888.40
Sewer assessments . . . . .	9,833.92
Sidewalk assessments . . . . .	4,635.12
State of Massachusetts, Burial of Indigent Soldiers and Sailors . . . . .	35.00
State of Massachusetts, Indigent Soldiers and Sailors . . . . .	360.50
State of Massachusetts, State aid . . . . .	6,612.00
Taxes . . . . .	246,941.75
Water Maintenance . . . . .	596.67
Water-service assessments . . . . .	1,520.90
	<hr/>
Total amount of available assets . . . . .	<u>\$324,912.33</u>

The liabilities are :—

Overlay and abatement . . . . .	\$3,542.20
Overplus on tax sales . . . . .	102.13
Public Library . . . . .	23.36
Reduction of Funded Debt . . . . .	5,912.07
Schoolhouse, Bingham Addition . . . . .	8,290.00
Schoolhouse, Edgerly Addition . . . . .	456.67
Schoolhouse, English High . . . . .	81,482.00
Schoolhouse, Ward Four, south side Fitchburg R. R. . . . .	4,244.61
Sewers, Construction . . . . .	256.75
Sundry Persons . . . . .	787.60
Temporary Loans . . . . .	219,800.00
Water-works Extension . . . . .	14.94
	<hr/>
	<u>\$324,912.33</u>

The financial condition of the city, exclusive of its public property, is as follows:—

City Loan Bonds bearing interest at 4 per cent.	\$351,000.00
“ “ “ “ “ “ 4½ “	257,000.00
“ “ “ “ “ “ 5 “	165,000.00
City Loan Paving Bonds bearing interest at 4 per cent.	95,000.00
City Loan Sewer Bonds bearing interest at 4½ per cent.	18,000.00
City Loan Sewer Bonds bearing interest at 5 per cent.	35,000.00
Water Loan Bonds bearing interest at 4 per cent.	254,000.00
“ “ “ “ “ “ 5 “	94,500.00
“ “ “ “ “ “ 5½ “	10,000.00
Total Funded Debt, city loan	\$921,000.00
“ “ “ water loan	358,500.00
	<hr/>
	\$1,279,500.00

Total cash receipts for the year, including a balance of \$39,653.03 from the year 1892	\$1,552,656.39
Total cash disbursements	1,499,168.32
	<hr/>
Leaving in the treasury the sum of	\$53,488.07

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

Respectfully submitted,

JOHN F. COLE,

*Treasurer and Collector of Taxes.*



# APPENDIX TO TREASURER AND COLLECTOR'S REPORT.

TABLE A.

PUBLIC PROPERTY DECEMBER 31, 1893.

Central Hill land (13 acres, 5,032 feet)	.	.	\$200,000.00
City Hall	.	.	\$12,000.00
Furniture	.	.	3,000.00
			15,000.00
Public Library building	.	.	25,000.00
Public Library	.	.	25,000.00
			50,000.00
Central fire station	.	.	10,000.00
Furniture	.	.	500.00
Engine No. 1, and apparatus	.	.	4,000.00
Hose wagon and apparatus	.	.	2,000.00
			16,500.00
High Schoolhouse	.	.	40,000.00
Furniture	.	.	3,500.00
Philosophical apparatus	.	.	500.00
			44,000.00
Prescott Schoolhouse, land (21,444 feet) and building	.	.	45,000.00
Furniture	.	.	2,000.00
			47,000.00
Luther V. Bell Schoolhouse, land (23,396 feet) and building	.	.	45,000.00
Furniture	.	.	2,000.00
			47,000.00
<i>Amount carried forward</i>	.	.	\$419,500.00

<i>Amount brought forward</i>	.	.	.	\$419,500.00
Forster Schoolhouse, land (27,499 feet) and building	.	.	45,000.00	
Furniture	.	.	2,000.00	
			<hr/>	47,000.00
Morse Schoolhouse, land (29,109 feet) and building	.	.	45,000.00	
Furniture	.	.	2,000.00	
			<hr/>	47,000.00
Edgerly Schoolhouse, land (26,428 feet) and building	.	.	45,000.00	
Furniture	.	.	2,000.00	
			<hr/>	47,000.00
Highland Schoolhouse, land (23,260 feet) and building	.	.	45,000.00	
Furniture	.	.	2,000.00	
			<hr/>	47,000.00
Charles G. Pope Schoolhouse, land (27,236 feet) and building	.	.	60,000.00	
Furniture	.	.	2,000.00	
			<hr/>	62,000.00
Jacob T. Glines Schoolhouse, land (28,800 feet) and building	.	.	45,000.00	
Furniture	.	.	1,400.00	
			<hr/>	46,400.00
O. S. Knapp Schoolhouse, land (24,517 feet) and building	.	.	32,000.00	
Furniture	.	.	1,400.00	
			<hr/>	33,400.00
Bingham Schoolhouse, land (21,017 feet) and building	.	.	28,000.00	
Furniture	.	.	700.00	
			<hr/>	28,700.00
Davis Schoolhouse, land (38,152 feet) and building	.	.	25,000.00	
Furniture	.	.	700.00	
			<hr/>	25,700.00
<i>Amount carried forward</i>	.	.	.	<hr/> <hr/> \$803,700.00

<i>Amount brought forward</i> . . . .		\$803,700.00
Cummings Schoolhouse, land (11,- 300 feet) . . . .	15,000.00	
Furniture . . . .	700.00	
	<hr/>	15,700.00
Prospect Hill Schoolhouse, land (25,315 feet) and building . .	20,000.00	
Furniture . . . .	1,000.00	
	<hr/>	21,000.00
Lincoln Schoolhouse, land (17,662 feet) and building . . . .	14,000.00	
Furniture . . . .	700.00	
	<hr/>	14,700.00
Jackson Schoolhouse, land (11,212 feet) and building . . . .	8,000.00	
Furniture . . . .	600.00	
	<hr/>	8,600.00
Bennett Schoolhouse, land (20,560 feet) and building . . . .	10,000.00	
Furniture . . . .	600.00	
	<hr/>	10,600.00
Webster Schoolhouse, land (11,050 feet) and building . . . .	8,000.00	
Furniture . . . .	600.00	
	<hr/>	8,600.00
Harvard Schoolhouse, land (9810 feet) and building . . . .	3,500.00	
Furniture . . . .	100.00	
	<hr/>	3,600.00
Franklin Schoolhouse, land (33,017 feet) and building . . . .	15,000.00	
Furniture . . . .	600.00	
	<hr/>	15,600.00
Beach-Street Schoolhouse, land (6,000 feet) and building . .	4,500.00	
Furniture . . . .	300.00	
	<hr/>	4,800.00
<i>Amount carried forward</i> . . . .		<hr/> <hr/> \$906,900.00

<i>Amount brought forward</i> . . . . .		\$906,900.00
Spring Hill Schoolhouse, land (4,991 feet) and building . .	1,500.00	
Furniture . . . . .	100.00	
	<hr/>	1,600.00
Burns Schoolhouse, land (16,080 feet) and building . . . .	15,000.00	
Furniture . . . . .	700.00	
	<hr/>	15,700.00
City Farm, land (10 acres, 12,523 feet) . . . . .		40,000.00
Cedar Street Schoolhouse . . . .	700.00	
Furniture . . . . .	100.00	
	<hr/>	800.00
City Stables and dwelling-houses . . . . .		7,000.00
Equipments for highway repairs . . . . .		15,000.00
Watering-carts and sheds . . . . .		5,000.00
No. 1 Fire-station, land (4,312 feet) and building . . . . .	2,500.00	
Furniture . . . . .	400.00	
Hose-wagon No. 1 and appara- tus . . . . .	1,500.00	
	<hr/>	4,400.00
No. 2 Fire-station, land (5,400 feet) and building . . . . .	8,000.00	
Furniture . . . . .	400.00	
Hose-wagon No. 2 and appara- tus . . . . .	1,500.00	
	<hr/>	9,900.00
No. 3 Fire-station, land (5,226 feet) and building . . . . .	9,000.00	
Furniture . . . . .	400.00	
Hose-wagon No. 3 and appara- tus . . . . .	1,500.00	
Hook-and-ladder, truck and apparatus . . . . .	3,400.00	
	<hr/>	14,300.00
<i>Amount carried forward</i> . . . . .		\$1,020,600.00

<i>Amount brought forward</i> . . . . .		\$1,020,600.00
No. 4 Fire-station, land (9,100 feet) and building . . . . .	12,000.00	
Furniture . . . . .	400.00	
Engine No. 4 and apparatus . . . . .	4,000.00	
Combination wagon and apparatus . . . . .	2,500.00	
	<hr/>	18,900.00
No. 5 Fire-station, land (39,456 feet) and building . . . . .	16,000.00	
Furniture . . . . .	400.00	
Hose-wagon No. 5 and apparatus . . . . .	1,500.00	
	<hr/>	17,900.00
Relief Fire-station, land (10,019 feet) and building . . . . .	7,000.00	
Relief engine . . . . .	3,000.00	
Two relief hose carriages . . . . .	1,000.00	
One relief hook and ladder . . . . .	400.00	
	<hr/>	11,400.00
Fire-alarm telegraph . . . . .		25,000.00
Police-station, land (15,232 feet) and building . . . . .	45,000.00	
Furniture . . . . .	3,000.00	
	<hr/>	48,000.00
Police-signal system and apparatus . . . . .		8,000.00
Prospect Street, land (7,918 feet) and building . . . . .		7,000.00
Broadway Park (cost \$212,993.20) . . . . .		125,000.00
Joy Street, land (2,960 feet) . . . . .		500.00
Walnut Hill, land (10,980 feet) . . . . .		1,000.00
Elm Street, land (18,000 feet) . . . . .		6,000.00
Holland Street, land (5 acres, 6,806 feet) . . . . .		20,000.00
Gravel land in Waltham (about 35 acres) . . . . .		15,000.00
Gravel land in Wakefield (about 1½ acres) . . . . .		5,000.00
		<hr/>
<i>Amount carried forward</i> . . . . .		\$1,329,300.00

<i>Amount brought forward</i>	\$1,329,300.00
Gravel land rear North Street (about $5\frac{43}{100}$ acres)	4,000.00
Nathan Tufts Park (about $4\frac{54}{100}$ acres) unfinished	30,000.00
Somerville Water Works cost	607,593.82
Oliver Street, land (63,069 feet)	7,500.00
Whipple Street, land (15,240 feet)	800.00
English High Schoolhouse (unfinished)	2,018.00
	<hr/>
Total value of public property	\$1,981,211.82

TABLE B.

FUNDED DEBT DECEMBER 31, 1893.

CITY LOAN BONDS.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
January 1, 1892	1,234 to 1,243	4	Jan. 1, 1894	\$1,000	\$10,000
July 1, 1888	887 to 909	4	July 1, 1894	1,000	23,000
October 1, 1889	934 to 938	4	Oct. 1, 1894	1,000	5,000
October 1, 1890	1,033 to 1,042	4	Oct. 1, 1894	1,000	10,000
October 1, 1890	1,115 to 1,118	4	Oct. 1, 1894	1,000	4,000
October 1, 1891	1,161 to 1,167	4	Oct. 1, 1894	1,000	7,000
October 1, 1893	1,325 to 1,348	4½	Oct. 1, 1894	1,000	24,000
January 1, 1892	1,244 to 1,253	4	Jan. 1, 1895	1,000	10,000
October 1, 1876	190 to 194	5	Oct. 1, 1895	1,000	25,000
October 1, 1876	195 to 334	5	Oct. 1, 1895	1,000	140,000
October 1, 1889	939 to 943	4	Oct. 1, 1895	1,000	5,000
October 1, 1890	1,043 to 1,052	4	Oct. 1, 1895	1,000	10,000
October 1, 1890	1,119 to 1,122	4	Oct. 1, 1895	1,000	4,000
October 1, 1891	1,168 to 1,174	4	Oct. 1, 1895	1,000	7,000
October 1, 1893	1,349 to 1,372	4½	Oct. 1, 1895	1,000	24,000
January 1, 1892	1,254 to 1,263	4	Jan. 1, 1896	1,000	10,000
October 1, 1889	944 to 948	4	Oct. 1, 1896	1,000	5,000
October 1, 1890	1,053 to 1,062	4	Oct. 1, 1896	1,000	10,000
October 1, 1890	1,123 to 1,126	4	Oct. 1, 1896	1,000	4,000
October 1, 1891	1,175 to 1,181	4	Oct. 1, 1896	1,000	7,000
October 1, 1893	1,373 to 1,396	4½	Oct. 1, 1896	1,000	24,000
January 1, 1892	1,264 to 1,273	4	Jan. 1, 1897	1,000	10,000
<i>Amount carried forward</i>					\$378,000

TABLE B.—CITY LOAN BONDS.—*Concluded.*

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
<i>Amount brought forward</i>		. .	. . . . .	. . .	\$378,000
July 1, 1888	910 to 913	4	July 1, 1897	\$1,000	4,000
October 1, 1889	949 to 969	4	Oct. 1, 1897	1,000	21,000
October 1, 1890	1,063 to 1,072	4	Oct. 1, 1897	1,000	10,000
October 1, 1890	1,127 to 1,130	4	Oct. 1, 1897	1,000	4,000
October 1, 1891	1,182 to 1,188	4	Oct. 1, 1897	1,000	7,000
October 1, 1893	1,397 to 1,420	4½	Oct. 1, 1897	1,000	24,000
January 1, 1892	1,274 to 1,283	4	Jan. 1, 1898	1,000	10,000
October 1, 1889	970 to 993	4	Oct. 1, 1898	1,000	24,000
October 1, 1890	1,073 to 1,082	4	Oct. 1, 1898	1,000	10,000
October 1, 1890	1,131 to 1,134	4	Oct. 1, 1898	1,000	4,000
October 1, 1891	1,189 to 1,195	4	Oct. 1, 1898	1,000	7,000
October 1, 1893	1,421 to 1,444	4½	Oct. 1, 1898	1,000	24,000
January 1, 1892	1,284 to 1,293	4	Jan. 1, 1899	1,000	10,000
October 1, 1889	994 to 1,002	4	Oct. 1, 1899	1,000	9,000
October 1, 1890	1,083 to 1,092	4	Oct. 1, 1899	1,000	10,000
October 1, 1890	1,135 to 1,138	4	Oct. 1, 1899	1,000	4,000
October 1, 1891	1,196 to 1,202	4	Oct. 1, 1899	1,000	7,000
October 1, 1893	1,445 to 1,468	4½	Oct. 1, 1899	1,000	24,000
January 1, 1892	1,294 to 1,303	4	Jan. 1, 1900	1,000	10,000
October 1, 1890	1,093 to 1,102	4	Oct. 1, 1900	1,000	10,000
October 1, 1890	1,139 to 1,142	4	Oct. 1, 1900	1,000	4,000
October 1, 1891	1,203 to 1,208	4	Oct. 1, 1900	1,000	6,000
October 1, 1893	1,469 to 1,492	4½	Oct. 1, 1900	1,000	24,000
January 1, 1892	1,304 to 1,313	4	Jan. 1, 1901	1,000	10,000
October 1, 1890	1,143 to 1,146	4	Oct. 1, 1901	1,000	4,000
October 1, 1891	1,209 to 1,211	4	Oct. 1, 1901	1,000	3,000
October 1, 1893	1,493 to 1,516	4½	Oct. 1, 1901	1,000	24,000
January 1, 1892	1,314 to 1,323	4	Jan. 1, 1902	1,000	10,000
October 1, 1891	1,212 to 1,214	4	Oct. 1, 1902	1,000	3,000
October 1, 1893	1,517 to 1,546	4½	Oct. 1, 1902	1,000	30,000
October 1, 1891	1,215 to 1,217	4	Oct. 1, 1903	1,000	3,000
October 1, 1893	1,547 to 1,581	4½	Oct. 1, 1903	1,000	35,000
October 1, 1891	1,218 to 1,220	4	Oct. 1, 1904	1,000	3,000
October 1, 1891	1,221 to 1,223	4	Oct. 1, 1905	1,000	3,000
<i>Total</i>	<i>amount of City</i>	<i>Loan</i>	<i>Bonds</i> . .	. . .	\$773,000



TABLE B.— *Continued.*

SEWER LOAN BONDS.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
July 1, 1876	1 to 7	5	July 1, 1896	\$5,000	\$35,000
October 1, 1893	36	4½	Oct. 1, 1894	1,000	1,000
October 1, 1893	37	4½	Oct. 1, 1895	1,000	1,000
October 1, 1893	38	4½	Oct. 1, 1896	1,000	1,000
October 1, 1893	39	4½	Oct. 1, 1897	1,000	1,000
October 1, 1893	40	4½	Oct. 1, 1898	1,000	1,000
October 1, 1893	41	4½	Oct. 1, 1899	1,000	1,000
October 1, 1893	42	4½	Oct. 1, 1900	1,000	1,000
October 1, 1893	43	4½	Oct. 1, 1901	1,000	1,000
October 1, 1893	44	4½	Oct. 1, 1902	1,000	1,000
October 1, 1893	45	4½	Oct. 1, 1903	1,000	1,000
October 1, 1893	46	4½	Oct. 1, 1904	1,000	1,000
October 1, 1893	47	4½	Oct. 1, 1905	1,000	1,000
October 1, 1893	48	4½	Oct. 1, 1906	1,000	1,000
October 1, 1893	49	4½	Oct. 1, 1907	1,000	1,000
October 1, 1893	50	4½	Oct. 1, 1908	1,000	1,000
October 1, 1893	51	4½	Oct. 1, 1909	1,000	1,000
October 1, 1893	52	4½	Oct. 1, 1910	1,000	1,000
October 1, 1893	53	4½	Oct. 1, 1911	1,000	1,000
<i>Total</i>	<i>amount of</i>	<i>Sewer</i>	<i>Loan Bonds</i>	. . .	\$53,000

TABLE B.—WATER LOAN BONDS.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Nomina- tion.	Amount.
July 1, 1888	283	4	July 1, 1894	\$1,000	\$1,000
October 1, 1881	100 to 111	5	Oct. 1, 1894	1,000	12,000
October 1, 1889	315 to 317	4	Oct. 1, 1894	1,000	3,000
October 1, 1890	399 to 400	4	Oct. 1, 1894	1,000	2,000
July 1, 1888	284	4	July 1, 1895	1,000	1,000
July 1, 1882	112 to 124	5	July 1, 1895	1,000	13,000
October 1, 1889	318 to 320	4	Oct. 1, 1895	1,000	3,000
October 1, 1890	401 to 402	4	Oct. 1, 1895	1,000	2,000
July 1, 1882	125 to 136	5	July 1, 1896	1,000	12,000
July 1, 1882	137	5	July 1, 1896	500	500
July 1, 1888	285	4	July 1, 1896	1,000	1,000
October 1, 1889	321 to 323	4	Oct. 1, 1896	1,000	3,000
October 1, 1890	403 to 404	4	Oct. 1, 1896	1,000	2,000
July 1, 1882	138 to 151	5	July 1, 1897	1,000	14,000
July 1, 1888	286	4	July 1, 1897	1,000	1,000
October 1, 1889	324 to 326	4	Oct. 1, 1897	1,000	3,000
October 1, 1890	405 to 406	4	Oct. 1, 1897	1,000	2,000
July 1, 1882	152 to 166	5	July 1, 1898	1,000	15,000
July 1, 1888	287	4	July 1, 1898	1,000	1,000
October 1, 1889	327 to 329	4	Oct. 1, 1898	1,000	3,000
October 1, 1890	407 to 408	4	Oct. 1, 1898	1,000	2,000
July 1, 1882	167 to 181	5	July 1, 1899	1,000	15,000
July 1, 1882	182	5	July 1, 1899	500	500
July 1, 1888	288	4	July 1, 1899	1,000	1,000
October 1, 1889	330 to 342	4	Oct. 1, 1899	1,000	13,000
October 1, 1890	409 to 410	4	Oct. 1, 1899	1,000	2,000
July 1, 1882	183 to 194	5	July 1, 1900	1,000	12,000
July 1, 1882	195	5	July 1, 1900	500	500
July 1, 1888	289	4	July 1, 1900	1,000	1,000
October 1, 1884	200 to 202	4	Oct. 1, 1900	1,000	3,000
October 1, 1889	343 to 344	4	Oct. 1, 1900	1,000	2,000
<i>Amount</i>	<i>carried forward</i>	. .	. . . .	. . .	\$146,500

TABLE B.—WATER LOAN BONDS.— *Continued.*

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomination.	Amount.
<i>Amount brought forward</i>		. . .	. . . . .	. . . . .	\$146,500
October 1, 1890	416 to 417	4	Oct. 1, 1900	\$1,000	2,000
October 1, 1892	a448 to a458	4	Oct. 1, 1900	1,000	11,000
July 1, 1888	290	4	July 1, 1901	1,000	1,000
October 1, 1884	203 to 212	4	Oct. 1, 1901	1,000	10,000
October 1, 1892	a459 to 468	4	Oct. 1, 1901	1,000	10,000
July 1, 1885	214 to 219	4	July 1, 1901	1,000	6,000
October 1, 1889	345 to 346	4	Oct. 1, 1901	1,000	2,000
October 1, 1890	418 to 419	4	Oct. 1, 1901	1,000	2,000
July 1, 1885	220 to 226	4	July 1, 1902	1,000	7,000
July 1, 1886	229 to 238	4	July 1, 1902	1,000	10,000
October 1, 1889	347 to 348	4	Oct. 1, 1902	1,000	2,000
October 1, 1890	420 to 421	4	Oct. 1, 1902	1,000	2,000
October 1, 1892	469 to 475	4	Oct. 1, 1902	1,000	7,000
July 1, 1886	239 to 256	4	July 1, 1903	1,000	18,000
October 1, 1889	349 to 350	4	Oct. 1, 1903	1,000	2,000
October 1, 1890	448 to 449	4	Oct. 1, 1903	1,000	2,000
July 1, 1886	257 to 266	4	July 1, 1904	1,000	10,000
October 1, 1889	351 to 352	4	Oct. 1, 1904	1,000	2,000
October 1, 1890	450 to 451	4	Oct. 1, 1904	1,000	2,000
October 1, 1889	353 to 355	4	Oct. 1, 1905	1,000	3,000
October 1, 1890	452 to 453	4	Oct. 1, 1905	1,000	2,000
July 1, 1876	30 to 31	5½	July 1, 1906	1,000	10,000
October 1, 1889	356 to 358	4	Oct. 1, 1906	1,000	3,000
October 1, 1890	454 to 455	4	Oct. 1, 1906	1,000	2,000
July 1, 1886	267 to 276	4	July 1, 1907	1,000	10,000
July 1, 1888	291	4	July 1, 1907	1,000	1,000
October 1, 1889	359 to 361	4	Oct. 1, 1907	1,000	3,000
October 1, 1890	459 to 457	4	Oct. 1, 1907	1,000	2,000
July 1, 1888	292	4	July 1, 1908	1,000	1,000
October 1, 1889	362 to 364	4	Oct. 1, 1908	1,000	3,000
<i>Amount carried forward</i>		. . .	. . . . .	. . . . .	\$294,500

TABLE B.—WATER LOAN BONDS.—*Continued.*

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomination.	Amount.
<i>Amount brought forward</i>		. .	. . . . .	. . . . .	\$294,500
October 1, 1890	458 to 459	4	Oct. 1, 1908	\$1,000	2,000
July 1, 1888	293	4	July 1, 1909	1,000	1,000
October 1, 1889	365 to 367	4	Oct. 1, 1909	1,000	3,000
October 1, 1890	423 to 424	4	Oct. 1, 1909	1,000	2,000
July 1, 1888	294	4	July 1, 1910	1,000	1,000
October 1, 1889	368 to 370	4	Oct. 1, 1910	1,000	3,000
October 1, 1890	426 to 427	4	Oct. 1, 1910	1,000	2,000
July 1, 1888	295	4	July 1, 1911	1,000	1,000
October 1, 1889	371 to 373	4	Oct. 1, 1911	1,000	3,000
October 1, 1890	428 to 429	4	Oct. 1, 1911	1,000	2,000
July 1, 1888	296	4	July 1, 1912	1,000	1,000
October 1, 1889	374 to 376	4	Oct. 1, 1912	1,000	3,000
October 1, 1890	430 to 431	4	Oct. 1, 1912	1,000	2,000
July 1, 1888	297	4	July 1, 1913	1,000	1,000
October 1, 1889	377 to 379	4	Oct. 1, 1913	1,000	3,000
October 1, 1890	432 to 433	4	Oct. 1, 1913	1,000	2,000
July 1, 1888	298	4	July 1, 1914	1,000	1,000
October 1, 1889	380 to 382	4	Oct. 1, 1914	1,000	3,000
October 1, 1891	434 to 435	4	Oct. 1, 1914	1,000	2,000
July 1, 1888	299	4	July 1, 1915	1,000	1,000
October 1, 1889	383 to 384	4	Oct. 1, 1915	1,000	2,000
October 1, 1890	436 to 437	4	Oct. 1, 1915	1,000	2,000
July 1, 1888	300	4	July 1, 1916	1,000	1,000
October 1, 1889	385 to 386	4	Oct. 1, 1916	1,000	2,000
October 1, 1890	438 to 439	4	Oct. 1, 1916	1,000	2,000
July 1, 1888	301	4	July 1, 1917	1,000	1,000
October 1, 1889	387 to 388	4	Oct. 1, 1917	1,000	2,000
October 1, 1890	440 to 441	4	Oct. 1, 1917	1,000	2,000
<i>Amount carried forward</i>		. .	. . . . .	. . . . .	\$347,500

TABLE B.—WATER LOAN BONDS.— *Concluded.*

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomination.	Amount.
<i>Amount brought forward</i>		. .	. . . . .	. . .	\$347,500
July 1, 1888	302	4	July 1, 1918	\$1,000	1,000
October 1, 1889 .	389 to 390	4	Oct. 1, 1918	1,000	2,000
October 1, 1890	442 to 443	4	Oct. 1, 1918	1,000	2,000
October 1, 1889	391 to 392	4	Oct. 1, 1919	1,000	2,000
October 1, 1890	444 to 445	4	Oct. 1, 1919	1,000	2,000
October 1, 1890	446 to 447	4	Oct. 1, 1920	1,000	2,000
<i>Total amount of Water Loan Bonds . .</i>				. . .	\$358,500

TABLE B.—Continued.  
CITY LOAN PAVING BONDS.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomination.	Amount.
October 1, 1892	6 to 10	4	Oct. 1, 1894	\$1,000	\$5,000
October 1, 1892	11 to 15	4	Oct. 1, 1895	1,000	5,000
October 1, 1892	16 to 20	4	Oct. 1, 1896	1,000	5,000
October 1, 1892	21 to 25	4	Oct. 1, 1897	1,000	5,000
October 1, 1892	26 to 30	4	Oct. 1, 1898	1,000	5,000
October 1, 1892	31 to 35	4	Oct. 1, 1899	1,000	5,000
October 1, 1892	36 to 40	4	Oct. 1, 1900	1,000	5,000
October 1, 1892	41 to 45	4	Oct. 1, 1901	1,000	5,000
October 1, 1892	46 to 50	4	Oct. 1, 1902	1,000	5,000
October 1, 1892	51 to 55	4	Oct. 1, 1903	1,000	5,000
October 1, 1892	56 to 60	4	Oct. 1, 1904	1,000	5,000
October 1, 1892	61 to 65	4	Oct. 1, 1905	1,000	5,000
October 1, 1892	66 to 70	4	Oct. 1, 1906	1,000	5,000
October 1, 1892	71 to 75	4	Oct. 1, 1907	1,000	5,000
October 1, 1892	76 to 80	4	Oct. 1, 1908	1,000	5,000
October 1, 1892	81 to 85	4	Oct. 1, 1909	1,000	5,000
October 1, 1892	86 to 90	4	Oct. 1, 1910	1,000	5,000
October 1, 1892	91 to 95	4	Oct. 1, 1911	1,000	5,000
October 1, 1892	96 to 100	4	Oct. 1, 1912	1,000	5,000
<i>Total amount of Paving Bonds.</i>					\$95,000

## RECAPITULATION.

City Loan Bonds	\$773,000
Sewer Loan Bonds	53,000
Water Loan Bonds	358,500
City Loan Paving Bonds	95,000
Total amount of funded debt	\$1,279,500

TABLE C.

STATEMENTS OF ACCOUNTS SHOWING APPROPRIATIONS, EXPENDITURES, ETC., TO DEC. 31, 1893.

APPROPRIATIONS.

	CREDIT.	
Taxes, amount assessed . . . . .		\$585,500.00
Property and debt balance . . . . .		222,000.00
		<hr/>
		\$807,500.00
	DEBIT.	
Estate of the First Congregational Society, Central Hill . . . . .	45,000.00	
Fire Department . . . . .	41,000.00	
Fire Department, New Fire Engine . . . . .	3,000.00	
Fire Department, land on Highland Avenue . . . . .	3,000.00	
Health Department . . . . .	12,000.00	
Highways . . . . .	60,000.00	
Highways, paving Washington street . . . . .	24,000.00	
Indigent Soldiers and Sailors . . . . .	500.00	
Interest . . . . .	55,000.00	
Miscellaneous . . . . .	7,000.00	
Nathan Tufts Park . . . . .	10,000.00	
Police . . . . .	25,000.00	
Police Station Incidentals . . . . .	3,500.00	
Printing and Stationary . . . . .	6,000.00	
Public Grounds . . . . .	7,500.00	
Public Library . . . . .	5,500.00	
Reduction of Funded Debt . . . . .	75,000.00	
Renewals of Funded Debt . . . . .	17,000.00	
Relief and Burial of Indigent Soldiers and Sailors . . . . .	3,500.00	
Salaries . . . . .	34,000.00	
		<hr/>
<i>Amounts carried forward</i> . . . . .	\$437,500.00	\$807,500.00

<i>Amounts brought forward</i> . . .	\$437,500.00	\$807,500.00
School Contingent . . . . .	16,000.00	
School Contingent, Janitors' Salaries	10,000.00	
School Fuel . . . . .	8,000.00	
Schoolhouse, Bingham Addition . . .	10,000.00	
Schoolhouse, Edgerly Addition . . .	3,500.00	
Schoolhouse, English High . . . . .	80,000.00	
Schoolhouse, Ward Three . . . . .	1,500.00	
Schoolhouse, Ward Four So. s'd F. R.R.	15,000.00	
Schoolhouse Incidentals . . . . .	12,000.00	
School Teachers' Salaries . . . . .	125,000.00	
Sewers, Construction . . . . .	10,000.00	
Sewers, Maintenance . . . . .	7,000.00	
Sidewalks . . . . .	10,000.00	
Street Lights . . . . .	42,000.00	
Support of Poor . . . . .	14,000.00	
Watering Streets . . . . .	6,000.00	
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		\$807,500.00

## CASH.

## CREDIT.

County of Middlesex . . . . .	32,029.82
Estate of First Congregational So- ciety, Central Hill . . . . .	45,000.00
Fire Department . . . . .	42,205.44
Fire Department, land on Highland Avenue . . . . .	2,970.83
Fire Department, New Fire Engine . .	3,000.00
Funded Debt . . . . .	137,000.00
Health Department . . . . .	14,925.45
Highways . . . . .	64,167.82
Highways, paving Union Square and parts of Somerville and Web- ster Avenues . . . . .	3,781.34
Highways, paving Washington Street	22,046.65
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<i>Amount carried forward</i> . . . . .	\$367,127.35



<i>Amount brought forward</i> . . .	\$367,127.35
Indigent Soldiers and Sailors . . .	771.00
Interest . . . . .	48,138.14
Miscellaneous . . . . .	14,377.77
Nathan Tufts Park . . . . .	13,537.65
Police . . . . .	47,773.83
Police Station Incidentals . . . . .	2,739.66
Printing and Stationery . . . . .	6,070.52
Public Grounds . . . . .	7,668.09
Public Library . . . . .	9,155.90
Relief and Burial of Indigent Soldiers and Sailors . . . . .	4,627.32
Salaries . . . . .	34,834.03
School Contingent . . . . .	19,781.95
School Contingent, Janitors' salaries	10,160.63
School Fuel . . . . .	8,312.05
Schoolhouse, Bingham Addition . . . . .	5,710.00
Schoolhouse, Edgerly Addition . . . . .	11,825.83
Schoolhouse, English High . . . . .	2,018.00
Schoolhouse, Ward Two, Prospect Hill District . . . . .	890.00
Schoolhouse, Ward Three . . . . .	1,200.68
Schoolhouse, Ward Four, south side of Fitchburg R. R. . . . .	3,255.39
Schoolhouse Incidentals . . . . .	12,469.11
School Teachers' Salaries . . . . .	136,962.65
Semi-centennial Celebration . . . . .	155.25
Sewers . . . . .	8,434.13
Sewers Construction . . . . .	22,606.69
Sewers Maintenance . . . . .	6,490.41
Sidewalks . . . . .	19,351.00
State Aid . . . . .	6,770.50
State of Massachusetts . . . . .	39,225.00
State of Massachusetts, Metropolitan Sewer . . . . .	7,996.50
State of Massachusetts, non-resident Bank Stock . . . . .	819.95
<i>Amount carried forward</i> . . .	\$881,256.97

<i>Amount brought forward</i>	\$881,256.98
Street Lights . . . . .	39,402.54
Sundry Persons . . . . .	215.00
Support of Poor . . . . .	17,799.58
Temporary Loans . . . . .	461,033.62
Water Loan Interest . . . . .	16,032.50
Water Maintenance . . . . .	28,286.17
Water Services . . . . .	6,183.01
Watering Streets . . . . .	13,258.94
Water Works Extension . . . . .	35,699.98
Balance to debit in account 1894 . . . . .	53,488.07
	<hr/>
	\$1,552,656.39

## DEBIT.

Balance from 1892 . . . . .	\$39,653.03
City of Boston, water rates . . . . .	78,459.73
City Loan Bonds . . . . .	53,000.00
Fire Department . . . . .	96.53
Funded Debt . . . . .	222,000.00
Health Department . . . . .	478.00
Highways . . . . .	4,809.26
Highways, paving Union Square, etc. . . . .	23.85
Indigent Soldiers and Sailors . . . . .	22.00
Interest . . . . .	7,602.75
Miscellaneous . . . . .	4,035.56
Nathan Tufts Park . . . . .	71.32
Overlay and Abatement . . . . .	30.80
Police . . . . .	24,189.34
Police Station Incidentals . . . . .	400.00
Public Grounds . . . . .	579.30
Public Library . . . . .	4,014.70
Reduction of Funded Debt . . . . .	8,555.63
Relief and Burial of Indigent Soldiers and Sailors . . . . .	30.00
School Contingent . . . . .	113.98
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<i>Amounts carried forward</i>	\$448,165.78
	[\$1,552,656.39

<i>Amounts brought forward</i>	\$448,165.78	\$1,552,656.39
Schoolhouse Incidentals . . . . .	321.61	
Sewers . . . . .	232.31	
Sewer Assessments . . . . .	12,249.98	
Sewers, Construction . . . . .	667.86	
Sewers, Maintenance . . . . .	325.83	
Sidewalks . . . . .	51.35	
Sidewalk Assessments . . . . .	10,461.02	
State Aid . . . . .	38.50	
State of Massachusetts, Burial of Indigent Soldiers and Sailors	140.00	
State of Massachusetts, Indigent Soldiers and Sailors . . . . .	587.00	
State of Massachusetts, State Aid . . . . .	6,789.50	
Street Lights . . . . .	8.33	
Support of Poor . . . . .	2,339.35	
Taxes . . . . .	601,908.45	
Temporary Loans . . . . .	452,833.62	
Water Maintenance . . . . .	204.03	
Water Services . . . . .	877.93	
Water Service Assessment . . . . .	6,907.72	
Watering Streets . . . . .	7,391.54	
Water Works Extension . . . . .	154.68	
	<hr/>	\$1,552,656.39
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CITY OF BOSTON, WATER RATES.

CREDIT.

Cash, received of City of Boston, return on water rates . . . . .	\$78,459.73
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DEBIT.

Water Maintenance . . . . .	25,000.00
Water Works Extension . . . . .	35,000.00
Water Loan Interest . . . . .	16,285.00
Reduction of Funded Debt . . . . .	2,174.73
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	\$78,459.73
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## CITY LOAN BONDS.

## CREDIT.

Cash, received from sale of bonds . . . . .	\$53,000.00
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## DEBIT.

Balance from 1892 . . . . .	<u>\$53,000.00</u>
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## COUNTY OF MIDDLESEX.

## CREDIT.

Taxes, amount assessed . . . . .	\$32,029.82
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## DEBIT.

Cash, paid County Tax . . . . .	<u>\$32,029.82</u>
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ESTATE OF FIRST CONGREGATIONAL SOCIETY,  
CENTRAL HILL.

## CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account . . . . .	\$45,000.00
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## DEBIT.

Cash, paid First Congregational Society for estate on Central Hill . . . . .	<u>\$45,000.00</u>
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## EXCESS AND DEFICIENCY.

## CREDIT.

Fire Department, land on Highland Avenue, credit balance of account . . . . .	\$29.17
Highways, credit balance of account	641.44

<i>Amount carried forward . . . . .</i>	<u>\$670.61</u>
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<i>Amount brought forward</i> . . . . .		\$670.61
Highways, paving Union Square and parts of Somerville and Webster Avenues, credit balance of account . . . . .		344.60
Highways, paving Washington Street, credit balance of account . . . . .		1,953.35
Indigent Soldiers and Sailors, credit balance of account . . . . .		125.50
Interest, credit balance of account . . . . .	14,064.61	
Police, credit balance of account . . . . .	1,415.51	
Police Station Incidentals, credit balance of account . . . . .	1,160.34	
Public Grounds, credit balance of account . . . . .	411.21	
Schoolhouse in Ward Three, credit balance of account . . . . .	299.32	
Semi-centennial Celebration, credit balance of account . . . . .	9.64	
Sewers Maintenance, credit balance of account . . . . .	484.21	
Sidewalks, credit balance of account . . . . .	225.49	
Street Lights, credit balance of account . . . . .	2,605.79	
Watering Streets, credit balance of account . . . . .	132.60	
Overlay and Abatement, transferred	2,766.47	
		<hr/>
		\$26,669.25
DEBIT.		
Fire Department, debit balance of account . . . . .	1,108.91	
Health Department, debit balance of account . . . . .	2,447.45	
Miscellaneous, debit balance of account . . . . .	3,342.21	
	<hr/>	<hr/>
<i>Amounts carried forward</i> . . . . .	\$6,898.57	\$26,669.25

<i>Amounts brought forward</i> . . . . .	\$6,898.57	\$26,669.23
Nathan Tufts Park, debit balance of account . . . . .	57.78	.
Printing and Stationery, debit balance of account . . . . .	70.52	.
Relief and Burial of Indigent Soldiers and Sailors, debit balance of account . . . . .	1,097.32	.
Salaries, debit balance of account . . . . .	834.03	.
School Contingent, debit balance of account . . . . .	3,667.97	.
School Contingent, Janitor's Salaries debit balance of account . . . . .	160.63	.
School Fuel, debit balance of account . . . . .	312.05	.
Schoolhouse Incidentals, debit balance of account . . . . .	147.50	.
School Teachers' Salaries, debit balance of account . . . . .	11,962.65	.
Support of Poor, debit balance of account . . . . .	1,460.23	.
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		\$26,669.23

FIRE DEPARTMENT.

CREDIT.

Appropriations, amount assessed . . . . .		\$41,000.00
Cash, received of E. I. Braddock, old zinc, copper, etc. . . . .	\$39.53	
Lorenzo W. Dow, manure . . . . .	57.00	
	<hr/>	96.53
Excess and Deficiency, balance to debit of account . . . . .		1,108.91
		<hr/>
		\$42,205.44

DEBIT.

Cash, paid James R. Hopkins, chief engineer . . . . .	\$1,566.68	
Nathaniel C. Barker, assistant engineer . . . . .	600.00	
	<hr/>	
<i>Amounts carried forward</i> . . . . .	\$2,166.68	\$42,205.44

<i>Amounts brought forward</i> . . . . .	\$2,166.68	\$42,205.44
Two steamer engineers . . . . .	2,280.00	
Two assistant engineers . . . . .	2,000.00	
Nine drivers . . . . .	9,000.00	
Edgar F. Shaw, substitute driver . . . . .	104.12	
John H. Pettee, substitute driver . . . . .	19.44	
James A. King, substitute driver . . . . .	345.35	
James A. Banks, substitute driver . . . . .	15.49	
Frank A. Hersey, substitute driver . . . . .	720.00	
Richard D. Clarkson, substitute driver . . . . .	720.00	
Oscar P. Sheltus, substitute driver . . . . .	293.46	
George L. Blackbird, substitute driver . . . . .	85.00	
Steamer Company No. 1, callmen . . . . .	1,224.00	
Steamer Company No. 4, callmen . . . . .	1,232.00	
Hook and Ladder Company No 1, callmen . . . . .	1,742.00	
Hose Company No. 1, callmen . . . . .	1,142.50	
Hose Company No. 2, callmen . . . . .	1,102.00	
Hose Company No. 3, callmen . . . . .	1,092.00	
Hose Company No. 5, callmen . . . . .	1,111.50	
Frank Draper, substitute driver . . . . .	72.00	
<i>Amounts carried forward</i> . . . . .	<u>\$26,467.54</u>	<u>\$42,205.44</u>

<i>Amounts brought forward</i> .	\$26,467.54	\$42,205.44
George North, substitute .	27.74	
Edward F. Backus, lineman .	415.25	
F. A. Blackburn, lineman .	464.50	
James L. Prentiss, lineman .	468.46	
Frank Nicholson, labor .	16.00	
Edwin H. Bright, labor .	28.90	
Benjamin W. Daley, labor .	20.00	
Patrick J. Fallon, labor .	16.90	
Elisha Grant, labor . . .	3.60	
Walter Young, labor . . .	2.00	
Marten L. Lacey, labor .	2.50	
Charles H. Bridges, labor .	3 00	
James E. Lovejoy, labor .	2.40	
Alfred S. Higgins, labor .	3.00	
Daniel McDermott, labor .	2.50	
Henry O'Neil, labor . . .	28.00	
James D. Perkins, Jr., labor	68.50	
Charles H. Shaw, labor .	3.00	
Arthur C. Sellon, labor .	9.60	
John E. Hill, labor . . .	6.00	
James E. Thompson, labor .	2.40	
Henry J. Turner, labor .	14.40	
James M. Gould, labor .	3.00	
Charles A. Southwick, labor	8.00	
John H. Cuddy, labor . . .	3.00	
Horace P. Ewell, labor .	4.00	
Benjamin Pond, substitute driver . . . . .	375.27	
James A. Sanders, substitute driver . . . . .	28.00	
Arthur W. Gilman, substi- tute driver . . . . .	420.00	
Elisha Grant, watching .	2.50	
John Frizzell, watching .	2.50	
T. F. Culleton, horseshoeing	70.77	
<i>Amounts carried forward</i> .	\$28,993.23	\$42,205.44



<i>Amounts brought forward</i> .	\$28,993.23	\$42,205.44
A. Clement, horseshoeing .	12.75	
Seward Dodge, horseshoeing	110.31	
Edward O'Brien, horseshoeing	83.32	
W. H. Richardson, horse- shoeing . . . . .	46.55	
C. W. Ingalls, horseshoeing .	71.05	
Robinson & Cadogan, horse- shoeing . . . . .	60.43	
William A. Folsom & Co., steam fitting . . . . .	29.14	
American Fire Engine Co., repairs of engine . . . . .	213.80	
C. L. Underhill, repairs of apparatus . . . . .	68.25	
Jacob Woodbury, repairs of apparatus . . . . .	14.55	
Miller & Shaw, repairs of apparatus . . . . .	3.47	
D. J. Bennett, repairing har- nesses . . . . .	35.80	
H. D. Brown, repairing wagon . . . . .	6.30	
Scrannage Bros., repairs of extinguisher . . . . .	3.00	
Union Square Carriage Co., repairs of wagons . . . . .	4.00	
F. Ivers & Son, repairing wagons . . . . .	16.45	
I. C. Ham, repairing wagons	70.00	
Star Brass Manufacturing Co., repairs of gage . . . . .	1.00	
Crosby Gage & Valve Co., repairs of gage . . . . .	3.00	
Jacob Woodward, wagon jack . . . . .	2.75	
	<hr/>	<hr/>
<i>Amounts carried forward</i> .	\$29,849.15	\$42,205.44

<i>Amounts brought forward</i> .	\$29,849.15	\$42,205.44
McDormand Warner & Co., ladders . . . . .	135.00	
F. D. Weld, ladder . . . . .	3.33	
H. A. Winship, fire hats . . . . .	8.75	
S. D. Hicks & Co., copper . . . . .	20.25	
Charles L. Bly, telegraph supplies . . . . .	18.52	
Campbell Electrical Supply Co., electrical supplies . . . . .	38.93	
Electric Gas Lighting Co., electrical supplies . . . . .	20.48	
Fitz, Dana & Co., telegraph supplies . . . . .	80.60	
J. B. Prescott & Son, zincs . . . . .	50.40	
N. E. Gamewell Co., electri- cal supplies . . . . .	331.67	
Gillis & Gleason, electrical supplies . . . . .	18.65	
Albert L. Russell, electrical supplies . . . . .	2.25	
Smith & Winchester, use of tank . . . . .	20.00	
Fuller, Leonard & Small, re- pairing battery . . . . .	1.00	
Jacob Brodie, curtains . . . . .	27.45	
Oriental Tea Co., coffee, etc. . . . .	30.00	
John G. Lesure, horse medi- cine . . . . .	18.00	
H. D. Padelford, horse medicine . . . . .	4.60	
G. F. Hurn & Co., cleaning carpets . . . . .	2.20	
Somerville Iron Foundry, grate . . . . .	3.75	
Heirs, Jeremiah McCarthy, stone . . . . .	38.50	
<i>Amounts carried forward</i> .	<u>\$30,723.48</u>	<u>\$42,205.44</u>

<i>Amounts brought forward</i> .	\$30,723.48	\$42,205.44
J. A. & W. Bird & Co., vitrol . . . . .	144.78	
Cochran Chemical Co., vitrol	5.06	
Revere Rubber Co., rubber goods . . . . .	63.75	
Charles A. Holmes, stove work, etc. . . . .	53.45	
John L. Crafts, hardware, etc.	54.56	
T. A. Durell, hardware .	28.85	
Howe & Flint, hardware .	14.12	
W. I. Heald, hardware .	16.99	
W. E. Plumer, hardware .	86.12	
Whitney & Snow, hardware .	.74	
F. C. Fuller & Son, hard- ware . . . . .	17.83	
Davis, Stebbins & Co., hard- ware . . . . .	3.30	
H. Wellington & Co., fuel .	730.84	
B. F. Wild & Co., fuel .	26.80	
H. D. & W. S. Durgin, ice .	37.50	
J. H. Thompson, carriage hire . . . . .	29.50	
Howard Lowell, carriage hire	33.50	
Union Glass Co., battery jars	28.10	
Thomas Ryan, plastering .	20.75	
Charles A. Blethen, harness work . . . . .	49.15	
E. Spalding, harness work .	12.60	
P. Manley, harness work .	.50	
F. L. Thompson, harness work . . . . .	2.45	
Hill & Langtry, harness work	13.00	
Hill & Hill, harness work .	29.00	
Ira G. Hersey, doors . . .	30.00	
William Hall & Co., hinges .	15.75	
<i>Amounts carried forward</i> .	\$32,272.47	\$43,205.44

<i>Amounts brought forward</i> . . . . .	\$32,272.47	\$42,205.44
James F. Davlin, plumbing . . . . .	11.90	
H. W. Covell, plumbing . . . . .	11.04	
J. B. Dupont, plumbing . . . . .	22.25	
Young & Maynard, plumbing . . . . .	4.40	
Fred S. Young, plumbing . . . . .	35.98	
Ingalls & Kendricken, pack- ing . . . . .	1.00	
Frank W. Leavitt, sleigh, etc. . . . .	58.00	
J. H. Hollis, painting . . . . .	14.25	
W. J. Blaisdell, painting . . . . .	64.25	
J. F. Burton, painting . . . . .	25.00	
W. S. Walker, painting . . . . .	6.50	
Boston Woven Hose Co., hose, etc. . . . .	163.90	
Cornelius Callahan & Co., hose, etc. . . . .	200.50	
A. S. Jackson, repairs of hose . . . . .	179.97	
Harry Hunt, repairing hose . . . . .	63.25	
American Tube Works, tubes . . . . .	.54	
Charles C. Barry, nozzles . . . . .	47.00	
Alvanado Meyer, nozzles, etc. . . . .	95.00	
G. F. Maynard & Co., repair- ing stoves, etc. . . . .	32.65	
G. W. Ladd, grain . . . . .	8.05	
E. B. Vreeland, grain . . . . .	1.56	
Leavitt, Sanborn & Co., grain . . . . .	269.27	
Fulton O'Brion, grain . . . . .	56.72	
Nathan Tufts & Son, grain . . . . .	57.90	
J. Cushing & Co., hay and grain . . . . .	687.89	
Proctor Brothers, hay and grain . . . . .	809.23	
Sturtevant Brothers, horse . . . . .	225.00	
R. M. Sturtevant, use of horse . . . . .	7.00	
<i>Amounts carried forward</i> . . . . .	\$35,432.47	\$42,205.44

<i>Amounts brought forward</i> .	\$35,432.47	\$42,205.44
C. W. Lane, rent of stable .	10.00	
C. A. Mongan, use of horses .	59.00	
A. M. Prescott, use of horses .	377.50	
Crane & Woods, insurance .	4.00	
Dana W. Bennett & Co., insurance . . . . .	70.00	
I. H. Brown & Co., lumber .	5.55	
J. P. Haddie, carpentering .	11.00	
F. C. Ayer, agent, lumber .	1.72	
Keenan & Son, carpentering .	3.50	
Fuller & Matthews, carpentering . . . . .	17.34	
H. S. Brackett, carpentering .	92.03	
Elijah Walker, carpentering .	197.07	
G. D. B. Robinson, carpentering . . . . .	47.88	
Wilbur P. Rice, carpentering .	35.97	
W. A. Snow & Co., stall floor . . . . .	10.80	
Hektograph Manufacturing Co., polish . . . . .	2.40	
Bradford, Lewis & Co., waste .	18.36	
Walker, Pratt, & Co., stove .	25.00	
E. Teel & Co., repairs of apparatus . . . . .	97.84	
Somerville Journal Co., printing . . . . .	24.00	
T. Spelman, soap . . . . .	14.00	
H. W. Burgess, oil, etc. . . . .	9.61	
James Bartley, oil, etc. . . . .	4.75	
J. A. Litchfield, oil, etc. . . . .	9.54	
Victor Safety Oil Co., oil, etc. .	5.20	
George E. Downes, salt . . . . .	5.25	
S. T. Hayward & Co., extinguishers . . . . .	72.00	
<i>Amounts carried forward</i> .	<hr/> \$36,663.78	<hr/> \$42,205.44

<i>Amounts brought forward</i> .	\$36,663.78	\$42,205.44
J. Hinman, charging extinguishers . . . . .	42.00	
George F. Roach & Co., furniture . . . . .	7.50	
Chandler & Farquhar, vise . . . . .	2.00	
J. E. Phipps, axle grease . . . . .	4.20	
J. Q. Twombly, glazing . . . . .	4.50	
W. J. Logan, glazing, etc . . . . .	135.75	
Thomas Groom & Co., stationery . . . . .	21.75	
Osborn Manufacturing Co., brushes . . . . .	8.75	
New England Telephone and Telegraph Co., rental, etc. . . . .	416.55	
Charles R. Simpson, veterinary services . . . . .	88.25	
Citizen Publishing Co., printing . . . . .	1.00	
Cambridge Gas Light Co., gas . . . . .	518.90	
Charlestown Gas and Electric Co., gas . . . . .	162.39	
City of Boston, water for hydrants . . . . .	3,220.00	
City of Boston, water for houses . . . . .	130.00	
D. C. Green, gas fitting . . . . .	6.40	
William Campbell & Co., boiler, etc. . . . .	109.00	
E. F. King & Co., soda, etc. . . . .	61.04	
Walworth Manufacturing Co., tools . . . . .	6.00	
Ames Plow Co., squelges . . . . .	6.00	
George L. Berg & Co., bedding . . . . .	36.50	
<i>Amounts carried forward</i> .	<u>\$41,652.26</u>	<u>\$42,205.44</u>

<i>Amounts brought forward</i> .	\$41,652.26	\$42,205.44
Thos. Gordon, repairing vane	1.60	
D. P. Bucknam, plastering .	8.00	
A. W. Mitchell, badges .	35.80	
Daniel Crocker, repairing clock	3.00	
City of Somerville, water pipes, etc. . . . .	44.33	
Mrs. Calvert, washing . . .	83.11	
E. W. Ring, washing . . .	29.99	
I. C. Jackson, washing . . .	30.00	
Samuel H. Stevens, washing	44.09	
A. Sellon, washing . . . .	18.25	
Gilman's Express, expressing	2.30	
Charles E. Farnham, expressing . . . . .	43.00	
R. A. R. Benson, expressing	15.50	
George Morton, expressing . .	4.00	
F. H. Tibbetts, expressing . .	2.50	
George T. Day, expressing . .	1.85	
Glines & Co., expressing . . .	.65	
E. R. Perham, expressing . . .	3.70	
Thorpe's Express, expressing	7.10	
Peter Forg, key tags . . . . .	24.00	
Highways account, driveway	112.18	
S. J. Wood, filing saws . . . .	2.00	
A. C. Winning, mason work	23.63	
Walter Loveland, washing . . .	12.60	
		\$42,205.44

FIRE DEPARTMENT, LAND ON HIGHLAND AVENUE.

CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account . . . . .	\$3,000.00
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DEBIT.

Cash, paid James G. Morrison, 9,902.75 feet land . . . . .	\$2,970.83
Excess and Deficiency, balance to credit of account . . . . .	29.17
	\$3,000.00

## FIRE DEPARTMENT, NEW STEAM FIRE ENGINE.

## CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account . . . . .		\$3,000.00
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## DEBIT.

Cash, paid American Fire Engine Company, engine . . . . .	\$2,998.00	
James R. Hopkins, freight . . . . .	2.00	
	<u>          </u>	<u>\$3,000.00</u>

## FUNDED DEBT.

## CREDIT.

Balance from 1892 . . . . .		\$1,194,500.00
Cash, received from sale of City Loan Bonds Nos. 1,325 to 1,581 . . . . .	\$257,000.00	
City Loan Sewer Bonds, Nos. 36 to 53 . . . . .	18,000.00	
	<u>          </u>	<u>\$275,000.00</u>
Less amount credited to City Loan Bonds account . . . . .	53,000.00	222,000.00
	<u>          </u>	<u>\$1,416,500.00</u>

## DEBIT.

Cash, paid sundry persons :—		
City Loan Bonds Nos. 1,224 to 1,233 . . . . .	\$10,000.00	
City Loan Bonds Nos. 856 to 880 . . . . .	25,000.00	
City Loan Bonds Nos. 799 to 852 . . . . .	54,000.00	
City Loan Bonds Nos. 929 to 933 . . . . .	5,000.00	
City Loan Bonds Nos. 1,023 to 1,032 . . . . .	10,000.00	
	<u>          </u>	<u>\$104,000.00</u>
<i>Amounts carried forward</i> . . . . .	\$104,000.00	\$1,416,500.00



<i>Amounts carried forward</i>	\$104,000.00	\$1,416,500.00
City Loan Bonds Nos. 1,111 to 1,114 . . . . .	4,000.00	
City Loan Bonds Nos. 1,154 to 1,160 . . . . .	7,000.00	
Water Loan Bond No. 282 . . . . .	1,000.00	
“ “ Bonds Nos. 89 to 99 . . . . .	11,000.00	
Water Loan Bonds Nos. 312 to 314 . . . . .	3,000.00	
Water Loan Bonds Nos. 397 398 . . . . .	2,000.00	
City Loan Paving Bonds Nos. 1 to 5 . . . . .	5,000.00	
	137,000.00	
Balance to debit in account 1894, . . . . .	1,279,500.00	
		\$1,416,500.00

HEALTH DEPARTMENT.

CREDIT.

Appropriations, amount assessed . . . . .		\$12,000.00
Cash, received of W. P. Mitchell, per- mits to keep swine and goats and collect grease . . . . .	228.00	
Martin Gill, rent of land . . . . .	250.00	
Excess and Deficiency, balance to debit of account . . . . .	2,447.45	2,925.45
		\$14,925.45

DEBIT.

Cash, paid Caleb A. Page, salary as inspector . . . . .	1,100.00	
Disbursements . . . . .	36.75	
<i>Amounts brought forward</i> . . . . .	\$1,136.75	\$14,925.45

<i>Amounts brought forward</i> . . . . .	\$1,136.75	\$14,925.45
Martin Gill, collecting offal . . . . .	6,850.00	
Use of sleds . . . . .	75.00	
Jeremiah McCarthy, collect- ing ashes . . . . .	2,725.00	
Heirs of Jeremiah McCarthy, collecting ashes . . . . .	950.00	
William J. McCarthy, collect- ing ashes . . . . .	1,425.00	
H. S. Pond, rent of land . . . . .	250.00	
John H. McCollom, profes- sional services . . . . .	25.00	
George H. Cowdin, drugs . . . . .	10.50	
West & Jenney, sulphur . . . . .	5.94	
C. H. Lerner, disinfectant . . . . .	16.64	
Howard Hamblin, medical supplies . . . . .	12.74	
N. E. Vaccine Co., viris . . . . .	32.64	
A. H. Hines, services as nurse . . . . .	95.00	
Joseph W. Allen, expenses diphtheria case . . . . .	180.00	
Boston Medical Library Asso., nurse . . . . .	2.00	
Eugene L. Russell, groceries . . . . .	8.98	
William Graham, provisions . . . . .	1.36	
L. H. Brown, carriage hire . . . . .	11.00	
A. S. Symmes, offal wagon . . . . .	200.00	
Seward Dodge, repairing wagons . . . . .	95.50	
L. A. Wright, repairing wagons . . . . .	13.00	
Whitney & Snow, hardware . . . . .	3.75	
J. B. Dupont, hardware . . . . .	2.25	
A. H. Hopkins, furniture . . . . .	51.70	
Daniel Crocker, clock . . . . .	1.50	
F. G. Ray & Son, laundry . . . . .	1.70	
<i>Amounts carried forward</i> . . . . .	<u>\$14,182.95</u>	<u>\$14,925.45</u>

<i>Amounts carried forward</i> . . . . .	\$14,182.95	\$14,925.45
C. A. Southwick, labor . . . . .	34.50	
W. F. Waller, labor . . . . .	37.63	
Dennis Foley, labor . . . . .	12.00	
George D. Goodrich, drain pipe . . . . .	.63	
Heliotype Printing Co., maps . . . . .	34.00	
J. C. Buckley, loam . . . . .	15.00	
F. H. Flagg, repairing carts . . . . .	13.50	
Seba F. Coffin, police duty . . . . .	19.25	
John A. Dadman, " " . . . . .	19.25	
Michael F. Davis, " " . . . . .	38.50	
Sundry persons, burying ani- mals . . . . .	127.50	
J. E. Herrick, carpentering . . . . .	14.51	
B. F. Smith & Bro., driving well . . . . .	37.50	
Revere Rubber Co., smoke protector . . . . .	2.00	
Thomas Groom & Co., station- ery . . . . .	9.10	
Citizen Publishing Co., print- ing . . . . .	14.00	
Thomas N. Hart, rent of P. O. box . . . . .	3.00	
J. W. Coveney, rent of P. O. box . . . . .	1.00	
Sewers, Maintenance account lowering culvert . . . . .	309.63	
	<hr/>	<u>\$14,925.45</u>

## HIGHWAYS.

## CREDIT.

Appropriations, amount assessed . . . . .		\$60,000.00
Cash, received of Lilla V. Junkins, sidewalk . . . . .	\$20.75	
M. P. Lewis, sidewalk . . . . .	29.52	
<i>Amounts brought forward</i> . . . . .	<hr/> \$50.27	<hr/> \$60,000.00

<i>Amounts brought forward</i> .	\$50.27	\$60,000.00
Anna P. Vinal, et. al., side- walk . . . . .	28.70	
Hiram Clarry, sidewalk .	15.00	
J. S. Carvill, sidewalk .	44.12	
James Williams, sidewalk .	10.57	
Edward Owler, sidewalk .	16.56	
W. A. Chipman, sidewalk .	16.84	
John W. Martin, sidewalk .	46.00	
George P. Prior, sidewalk .	27.28	
V. R. Pierce, sidewalk .	16.56	
Olive H. Durell, sidewalk .	51.00	
John Haigh, sidewalk .	151.38	
Rebecca A. Davlin, sidewalk	23.80	
Frank Vose, sidewalk .	45.85	
W. W. Calkins, sidewalk .	10.63	
C. H. Ramsdell, sidewalk	33.35	
Herbert W. Raymond, side- walk . . . . .	2.64	
George M. Stevens, sidewalk	74.82	
Caroline M. Egin, sidewalk	54.40	
Ellen McCarron, sidewalk	20.06	
George D. Wildes, sidewalk	30.40	
Charles Drouet, sidewalk .	26.48	
Frank A. Ware, sidewalk .	9.60	
E. W. Taylor, sidewalk .	9.70	
Matthias Rich, sidewalk .	20.00	
Helen M. Gulliver and George D. Moore, sidewalk .	72.00	
Mary E. Chase, sidewalk .	100.00	
George A. Toutillotte, side- walk . . . . .	32.00	
William A. Muzzey, side- walk . . . . .	1.44	
Mary A. Aldrich, sidewalk	27.44	
Joseph W. Litchfield, side- walk . . . . .	81.36	
<i>Amounts carried forward</i> .	<u>\$1,150.25</u>	<u>\$60,000.00</u>

<i>Amounts brought forward</i> .	\$1,150.25	\$60,000.
John J. Sullivan, sidewalk	36.00	
Justina Dennison, sidewalk .	28.00	
Samuel C. Lawrence, sidewalk . . . . .	140.00	
F. E. Shepard, sidewalk .	29.52	
Flora C. Spear, sidewalk .	69.12	
George W. Maddox, sidewalk . . . . .	43.20	
H. A. Quinnell, sidewalk	27.44	
Manley O. Butler, sidewalk	38.80	
Daniel Sullivan, sidewalk .	19.57	
Salmon L. Snow, sidewalk	3.60	
Charles A. Payson, sidewalk	4.93	
Heirs Edgar S. Paine, sidewalk . . . . .	18.68	
Harrison G. O. Bowers, sidewalk . . . . .	109.96	
Barna S. Cole, sidewalk .	15.73	
Lyman B. Rich, sidewalk .	68.24	
H. D. Dodge, sidewalk .	33.84	
S. F. Woodbridge, sidewalk	8.00	
A. H. Morrill, sidewalk .	38.80	
E. G. Dodge, sidewalk .	28.20	
George D. Wemyss, sidewalk . . . . .	19.78	
Christopher T. McGrath, sidewalk . . . . .	268.49	
Samuel A. Brown, sidewalk	63.11	
Harriet N. Hadwin, sidewalk . . . . .	2.50	
O. B. Priestley, sidewalk .	23.80	
Myron S. Gott, sidewalk .	39.60	
Henry E. Harvey, sidewalk	16.56	
Charles C. Bartlett, driveway	3.00	
George F. Kendall, driveway	15.05	
<i>Amounts carried forward</i> .	<u>\$2,363.77</u>	<u>\$60,000.00</u>

<i>Amounts brought forward</i> .	\$2,363.77	\$60,000.00
James F. O'Neil, driveway	9.80	
Thomas Casey, driveway .	18.15	
William J. S. Thompson, driveway . . . . .	10.40	
Heirs John P. Squire, drive- way . . . . .	11.90	
Walter J. Mower, driveway	28.90	
S. E. Williams, driveway .	2.50	
Augustus C. White, driveway	12.14	
Thomas Ormand, rent .	72.00	
Arthur Murlay, rent . . .	64.00	
George E. Slocum, discon- tinuing driveway . . .	34.15	
Mary E. Ayers, labor . . .	2.00	
Sarah J. Hall, labor . . .	6.50	
Cambridge Gas Light Co., labor . . . . .	18.00	
Clarence Hunter, labor . .	2.00	
Somerville Electric Light Co., labor . . . . .	19.80	
N. E. Dressed Meat & Wool Co., use of road roller . .	131.52	
Schoolhouse Incidentals ac- count, labor . . . . .	21.90	
Sidewalks account, use of teams, labor and materials	1,721.15	
Paving Union Square and parts of Somerville and Webster Avenues account, use of teams . . . . .	72.80	
Fire Department account, driveway . . . . .	112.18	
Public Grounds account, re- pairing driveway . . . .	73.70	
	<hr/>	4,809.2
<i>Amounts carried forward</i> .		\$64,809.2

*Amount brought forward* . . . . \$64,809.26

DEBIT.

Cash, paid Thomas H. Eames, salary as superintendent . . . .	1,600.00	
Thomas H. Eames, board of horses . . . .	417.17	
Laborers' pay rolls . . . .	33,215.66	
John F. Elkins, teaming . . . .	530.00	
Henry Gray, teaming . . . .	691.00	
Timothy F. Crimmings, team- ing . . . . .	307.50	
Christopher Burke, teaming . . . .	655.00	
George F. McKenna, team- ing . . . . .	802.50	
Martin Gill, teaming . . . .	350.00	
Edward Grant, teaming . . . .	467.50	
John Silk, teaming . . . .	95.00	
T. Allen, teaming . . . .	17.50	
Owen Cunningham, teaming . . . .	20.00	
A. M. Prescott, teaming . . . .	6.25	
A. Clement, horseshoeing . . . .	241.99	
Seward Dodge, horseshoeing . . . .	382.26	
Edward O'Brien, horseshoeing . . . .	273.28	
E. E. Onley & Co., horseshoe- ing . . . . .	37.43	
Charles F. Scott, horseshoeing . . . .	3.00	
R. Dares & Son, horseshoe- ing . . . . .	1.00	
F. Dooris & Son, blacksmith- ing . . . . .	83.90	
F. Dooris, blacksmithing . . . .	230.40	
L. A. Wright, blacksmithing . . . .	30.65	
W. H. Richardson, black- smithing . . . . .	2.50	
John Macauley, blacksmithing . . . .	32.75	
<i>Amounts carried forward</i> . . . .	\$40,491.24	\$64,809.26

<i>Amounts brought forward</i> . .	\$40,494.24	\$64,809.26
F. H. Flagg, wheelwright work . . . . .	46.95	
Miller & Shaw, machine work	225.34	
D. J. Bennett, harness work	596.25	
A. Morrow, harness work .	9.95	
E. Spalding, harness work	7.20	
W. H. Bustin & Son, harness work . . . . .	18.00	
David W. Crocker, repairing carts . . . . .	95.50	
George W. York & Co., repairing buggy . . . . .	7.00	
F. C. Ayer, Agt., lumber .	36.23	
I. H. Brown & Co., lumber	2.10	
T. B. Blaikie, carpentering .	5.79	
Wilbur P. Rice, carpentering	37.06	
F. A. Chandler, carpentering	18.80	
James F. Davlin, plumbing	16.05	
A. M. Pollard, drugs . . .	5.20	
Thomas Hollis, drugs . . .	3.50	
R. T. Barr, drugs . . . . .	.80	
C. H. & Edgar Snow, horses	485.00	
W. H. Way, veterinary services . . . . .	148.74	
D. L. Bolger, veterinary services . . . . .	6.00	
Robinson & Cadogan, horse-shoeing . . . . .	1.50	
James Carroll, manure .	15.00	
City of Boston, water . . .	47.60	
Horatio Wellington, fuel .	486.07	
Highland Coal Co., fuel . .	16.00	
E. B. Vreeland, fuel . . .	143.29	
Joseph Breck & Sons, plow	12.50	
J. A. Durell, hardware .	5.17	
<i>Amounts carried forward</i> . .	\$42,992.83	\$64,809.26



<i>Amounts brought forward</i> . .	\$42,992.83	\$64,809.26
Whitney & Snow, hardware	242.78	
F. C. Fuller & Co., hardware	6.07	
Sherburn & Co., hardware . .	60.04	
Perrin, Seamans & Co., hardware . . . . .	88.65	
J. B. Dupont, hardware . .	.51	
James McCusker, hardware	34.50	
Harrisburg Foundry & Machine Works, hardware . .	24.25	
Charles L. Underhill, hardware . . . . .	7.20	
R. B. Brown & Co., branding iron . . . . .	1.25	
Michael Lennon, repairing tools . . . . .	3.75	
George Tyler & Co., tools . .	10.50	
W. L. Snow, stove, etc. . .	10.56	
F. H. Tibbetts, stove, etc. . .	7.10	
Edson Manfg. Co., street sweeper . . . . .	300.00	
B. F. Freeman, photographs	20.00	
Farrell Foundry & Machine Co., plates . . . . .	26.10	
G. W. Ladd, grain . . . . .	2,576.65	
Fulton O'Brion, grain . . . . .	208.72	
Proctor Bros., hay and grain	654.10	
R. W. Willey & Co., hay . . . . .	1,522.37	
C. R. King, hay . . . . .	25.15	
S. & R. J. Lombard, stone . . . . .	21.00	
John M. Duff, stone . . . . .	258.90	
Frank Buttimer, stone . . . . .	470.43	
Massachusetts Broken Stone Co., stone . . . . .	4,752.25	
Charles J. Simpson, stone . . . . .	452.58	
George W. Prichard, stone . . . . .	64.80	
<i>Amounts carried forward</i> . .	\$54,843.04	\$64,809.26

<i>Amounts brought forward</i>	\$54,843.04	\$64,809.26
Jeremiah O'Keefe, stone	228.00	
Timothy O'Keefe, stone	115.50	
Rockport Granite Co., paving blocks	193.60	
Jeremiah McCarthy, edge-stones, paving blocks, etc.	1,083.70	
Heirs of Jere. McCarthy, edge-stones, paving blocks, etc.	2,035.86	
Henry F. Campbell, gravel	15.50	
N. E. Telephone & Telegraph Co., rentals and tolls	51.90	
Boston Woven Hose and Rubber Co., packing	7.14	
Boston Belting Co., hose	19.48	
George H. Sampson, forcite	152.01	
Ingersol Sergeant Drill Co., steam drill and boiler	520.35	
J. E. Herrick, carpenter work, etc.	146.47	
Abbie P. Simpson, sand	570.50	
N. M. Cofran & Co., bricks	870.52	
W. A. Sanborn, bricks	1,230.38	
William R. Maxwell, bricks	136.00	
G. Leslie Nichols, services as architect	156.00	
Samuel Walker & Co., oil	5.91	
E. F. Lothrop, oil	16.00	
Silver Light Oil Co., oil	34.30	
W. I. Heald, oil	29.04	
Masury, Young & Co., oil	28.83	
J. A. Litchfield, salt	.60	
Jennie Carter, compensation for damages	125.00	
William Vogler, right of way to gravel lot	195.00	
<i>Amounts carried forward</i>	<u>\$62,810.63</u>	<u>\$64,809.26</u>

<i>Amounts brought forward</i> .	\$62,810.63	\$64,809.26
City of Medford, one-half cost of maintaining Middlesex bridge . . . . .	377.64	
Sewer assessments, sewer in Broadway . . . . .	440.24	
James Miller, repairing roller	20.00	
William Campbell & Co., re- pairing crusher . . . . .	26.25	
Braman, Dow & Co., repairing crusher . . . . .	45.15	
J. W. Johnson, repairing crusher . . . . .	13.90	
W. H. Churchill & Co., re- pairs of road roller . . . . .	2.25	
Star Brass Manfg. Co., re- pairs of road roller . . . . .	3.00	
George Tyler & Co., repair- ing sweeper . . . . .	8.00	
Charles G. Stevens & Son, street signs . . . . .	48.00	
Edwin A. Church, street signs	9.00	
F. W. Bickford, filing saws	8.08	
John Fuller, filing saws . . . . .	5.25	
S. J. Wood, filing saws . . . . .	1.00	
S. J. Wright, filing saws . . . . .	.80	
Thomas Groom & Co., sta- tionery . . . . .	43.25	
Citizen Publishing Co., adver- tising . . . . .	68.75	
Somerville Journal Co., ad- vertising . . . . .	50.12	
E. R. Perham, expressing . . . . .	9.00	
Martin O'Shaughnessey, ex- pressing . . . . .	1.50	
Chas. E. Farnham, expressing	1.16	
<i>Amounts carried forward</i> .	<u>\$63,992.97</u>	<u>\$64,809.26</u>

<i>Amounts brought forward</i> .	\$63,992.97	\$64,809.26
Sewers account, edgestones .	8.42	
Sidewalks account, bricks .	149.98	
F. Dooris, blacksmithing .	16.45	
	<hr/>	
	64,167.82	
Excess and Deficiency, bal- ance to credit of account .	641.44	
	<hr/>	<u>\$64,809.26</u>

### HIGHWAYS, PAVING UNION SQUARE AND PARTS OF SOMERVILLE AND WEBSTER AVENUES.

#### CREDIT.

Balance from 1892 . . . . .	\$4,102.09
Cash, received of J. A. Merrifield, bricks . . . . .	23.85
	<hr/>
	\$4,125.94

#### DEBIT.

Cash, paid laborers . . . . .	246.50
W. H. Gore & Co., on account of contract . . . . .	2,129.94
W. H. Gore & Co., extra work . . . . .	309.62
H. Gore & Co., on account of contract . . . . .	992.23
H. Gore & Co., extra work	26.50
Highways account, teaming	72.80
T. Edward Ames, carfares .	3.75
	<hr/>
	3,781.34
Excess and Deficiency, bal- ance to credit of account .	344.60
	<hr/>
	<u>\$4,125.94</u>

HIGHWAYS, PAVING WASHINGTON STREET, UNION SQUARE TO MEDFORD STREET.

CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account . . . .	\$24,000.00
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DEBIT.

Cash, paid laborers . . . .	587.75
W. H. Gore & Co., contract for paving . . . .	7,731.20
W. H. Gore & Co., extra labor . . . .	138.90
Rockport Granite Co., paving blocks . . . .	12,253.54
Heirs of Jeremiah McCarthy, edgestones, etc. . . .	764.49
Boston Consolidated Brick Co., bricks . . . .	217.00
West End Street Railway Co., wharfage . . . .	289.80
F. C. Ayer, lumber . . . .	15.12
E. D. Sawyer, lumber . . . .	4.59
I. H. Brown & Co., lumber . . . .	.90
John S. Clary, lumber . . . .	3.76
Whitney & Snow, hardware . . . .	20.00
F. A. Chandler, carpenter work . . . .	18.00
T. Edward Ames, carfares . . . .	1.60

\$22,046.65

Excess and Deficiency, balance to credit of account . . . .	1,953.35
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\$24,000.00

INDIGENT SOLDIERS AND SAILORS.

CREDIT.

Appropriations, amount assessed . . . .	\$500.00
State of Massachusetts, indigent soldiers and sailors . . . .	374.50
<i>Amount carried forward</i> . . . .	<u>\$874.50</u>

<i>Amount brought forward</i> . . . . .		\$874.50
DEBIT.		
Cash, paid sundry persons . . . . .	749.00	
Excess and Deficiency, balance to credit of account . . . . .	125.50	
		\$874.50
INTEREST.		
CREDIT.		
Appropriations, amount assessed . . . . .		\$55,000.00
Cash, received of Blake Brothers & Co., interest on bonds . . . . .	68.38	
Interest on deposits in banks . . . . .	1,356.18	
Sundry persons on taxes and assessments . . . . .	6,178.19	
		7,602.75
		\$62,602.75
DEBIT.		
Cash, paid on Funded Debt:—		
\$531,000 one year at 4 per cent. . . . .	\$21,240.00	
\$25,000 six months at 4 per cent. . . . .	500.00	
\$200,000 1 year at 5 per cent. . . . .	10,000.00	
	\$31,740.00	
Less coupons unpaid . . . . .	400.00	
	31,340.00	
Sundry persons coupons unpaid . . . . .	400.00	
	31,740.00	
On Temporary Loans:—		
Commonwealth of Massachusetts, on note of \$50,000, four months at 3½ per cent. . . . .	583.33	
<i>Amounts carried forward</i> . . . . .	\$583.33	\$62,602.75

<i>Amounts brought forward</i> .	\$583.33	\$62,602.75
Brewster, Cobb & Estabrook, on note of \$25,000 five months at 5 per cent. .	520.83	
Blake Brothers & Co., on note of \$78,000 six months at 4 per cent. . . . .	1,560.00	
Commonwealth of Massachu- setts, on note of \$50,000 six months at 4 per cent. .	1,000.00	
Commonwealth of Massachu- setts, on note of \$40,000 six months at 4 per cent. .	800.00	
Commonwealth of Massachu- setts, on note of \$60,000 six months at $4\frac{1}{4}$ per cent. .	1,275.00	
Blake Brothers & Co., on note of \$50,000 five months twenty-one days at 6 per cent. . . . .	1,425.00	
Blake Brothers & Co., on note of \$78,000 six months at 4 per cent. . . . .	1,560.00	
Commonwealth of Massachu- setts, on note of \$50,000 four months fifteen days at $4\frac{1}{2}$ per cent. . . . .	843.75	
Commonwealth of Massachu- setts on note of \$40,000, three months fourteen days at $4\frac{1}{2}$ per cent. . . . .	520.00	
Commonwealth of Massachu- setts on note of \$60,000 two months twenty-seven days $4\frac{1}{2}$ per cent. . . . .	652.50	
<i>Amounts carried forward</i> .	<hr/> \$10,740.41	<hr/> \$62,602.75

<i>Amounts brought forward</i> .	\$10,740.41	\$62,602.75
Commonwealth of Massachusetts on note of \$25,000, six months at 4 per cent., and one month seven days at 4½ per cent. . . . .	615.63	
Blake Brothers & Co. on notes of \$50,000, four months at 5½ per cent. . . . .	916.67	
Blake Brothers & Co. on note of \$5,000, four months at 6 per cent. . . . .	100.00	
Thomas I. Reed on notes of \$6,000, four months at 6 per cent. . . . .	120.00	
Estate of J. Putnam Bradlee on note of \$20,000, four months at 6 per cent. . . . .	400.00	
Charles Trull on note of \$7,500, four months at 6 per cent. . . . .	150.00	
R. D. Wood & Co. on note of \$7,000, four months at 6 per cent. . . . .	140.00	
Heirs of Samuel Knight on note of \$3,193.09, four months at 6 per cent. . . . .	63.86	
Gilmore & Haigh on note of \$2,500, three months at 6 per cent. . . . .	37.50	
John Haigh on note of \$500, three months at 6 per cent. . . . .	7.50	
Estate of J. Putnam Bradlee on note of \$75,000, 6 months at 5 per cent. . . . .	1,875.00	
	<hr/>	<hr/>
<i>Amounts carried forward</i> .	\$15,166.57	\$62,602.75



<i>Amounts brought forward</i> .	\$15,166.57	\$62,602.75
Estate of J. Putnam Bradlee on note of \$15,000, 6 months at 5½ per cent. .	412.50	
William H. Gore on note of \$3,367.50, four months at 6 per cent. . . . .	67.39	
James G. Morrison on note of \$2970.83, four months at 6 per cent. . . . .	59.42	
Somerville National Bank on note of \$5,000, four months at 6 per cent. . . . .	100.00	
Rockport Granite Company on note of \$3,000, four months at 6 per cent. .	60.00	
Jos. J. Giles on note of \$1,000, four months at 6 per cent.	20.00	
Sylvester Richards on note of \$3,000, four months at 6 per cent. . . . .	60.00	
Somerville Journal Co. on note of \$1,000, four months at 6 per cent. . . . .	20.00	
George H. York on note of \$1,000, four months at 6 per cent. . . . .	20.00	
Thomas Spelman on note of \$4,000, four months at 6 per cent. . . . .	80.00	
M. G. Palmer on note of \$5,000, four months at 6 per cent. . . . .	100.00	
F. DeWitt Lapham, on note of \$1,500, four months at 6 per cent. . . . .	30.00	
<i>Amounts carried forward</i> .	<hr/> \$16,195.88	<hr/> \$62,602.75

<i>Amounts brought forward</i> . . . . .	\$16,195.88	\$62,602.75
Joseph A. Talpey on note of \$500, four months at 6 per cent. . . . .	10.00	
Evelina E. Stone on note of \$500, four months at 6 per cent. . . . .	10.00	
Jane M. Rubel on note of \$1,000, four months at 6 per cent. . . . .	20.00	
M. D. Jones on note of \$500 four months at 6 per cent. . . . .	10.00	
James Cotter, on note of \$500, four months at 6 per cent. . . . .	10.00	
Stephen Warren, on note of \$500, four months at 6 per cent. . . . .	10.00	
Anna W. McLane, on note of \$500, four months at 6 per cent. . . . .	-	
Annie B. Taylor, on note of \$500, 4 months at 6 per cent . . . . .	10.00	
Somerville National Bank on note of \$5,000, four months at 6 per cent. . . . .	100.00	
Blake Brothers & Co., commission . . . . .	412.26	
	<hr/>	
	\$16,798.14	
On Funded Debt . . . . .	31,740.00	
On Temporary Loans . . . . .	16.798.14	
	<hr/>	
	\$48,538.14	
Excess and Deficiency, balance to credit of account . . . . .	\$14,064.61	
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		<u>\$62,602.75</u>

## MISCELLANEOUS.

## CREDIT.

Appropriations, amount assessed . . . . .		\$7,000.00
Cash, received of sundry persons, costs on taxes and assessments	\$2,148.73	
Liquor license . . . . .	1.00	
Licenses to peddle . . . . .	100.00	
Thomas Cunningham, milk inspector's fees . . . . .	148.50	
Fulton O'Brion, public weigher's fees . . . . .	8.78	
S. Thomas Kirk, use of rifle range . . . . .	156.60	
A. M. Prescott, horse . . . . .	100.00	
F. G Williams, old lumber . . . . .	5.50	
Amasa Gray, overcharge . . . . .	9.00	
Geo. I. Vincent, city clerk:—		
Recording mortgages	\$441.55	
Marriage certificates . . . . .	266.00	
Licensing dogs . . . . .	265.40	
Amusements . . . . .	111.00	
Junk licenses . . . . .	74.00	
Auctioneers' licenses . . . . .	38.00	
Intelligence offices . . . . .	20.00	
Private detective licenses . . . . .	20.00	
Street musicians . . . . .	16.50	
Billiards, pool, etc. . . . .	26.00	
Fire works . . . . .	65.00	
Night lunch licen- ses . . . . .	4.00	
Liquor licenses . . . . .	1.00	
Copies of records . . . . .	9.00	
	<u>\$1357.45</u>	
		\$4,035.56
Excess and Deficiency balance to debit of account . . . . .		3,342.21
<i>Amounts carried forward . . . . .</i>		<u>\$14,377.77</u>

<i>Amount brought forward</i> .		\$14,377.77
DEBIT.		
Cash, paid S. Thomas Kirk, carpentering . . . . .	156.60	
Frederick A. Chandler, carpentering . . . . .	83.92	
Fuller & Matthews, carpentering . . . . .	74.63	
N. C. Barker, carpentering . . . . .	25.49	
Osgood & Stevens, carpentering . . . . .	58.70	
O. G. Osgood, carpentering . . . . .	45.18	
C. W. Cahalan, plumbing, etc. . . . .	42.35	
George H. Maynard, plumbing . . . . .	4.62	
C. H. Tufts, painting . . . . .	5.60	
J. Q. Twombly, painting . . . . .	5.05	
I. H. Brown & Co., lumber . . . . .	17.55	
Whitney & Snow, hardware . . . . .	109.96	
Howe & Flint, hardware . . . . .	61.91	
Fred C. Fuller & Son hardware . . . . .	8.42	
W. E. Plumer, hardware . . . . .	6.93	
J. A. Durell, hardware . . . . .	1.43	
Miller & Shaw, hardware . . . . .	3.91	
F. J. Stanley, horsekeeping . . . . .	815.00	
Seward Dodge, horseshoeing . . . . .	17.65	
Robinson & Cadogan, horseshoeing . . . . .	15.75	
Edward O'Brien, horseshoeing . . . . .	9.00	
Charles A. Blethen, harness work. . . . .	17.56	
E. Spalding, harness work . . . . .	7.85	
<i>Amounts carried forward</i> .	\$1,595.06	\$14,377.77

<i>Amounts brought forward</i> .	\$1,595.06	\$14,377.77
D. J. Bennett, harness work .	1.75	
P. Manley, harness work .	3.60	
George W. York & Co., buggy and repairs . . . .	275.75	
F. Ivers & Son, repairing buggy. . . . .	47.50	
Union Square Carriage Co., repairing buggy. . . . .	15.00	
L. H. Brown, carriage hire .	222.50	
Howard Lowell, carriage hire . . . . .	8.00	
Fowler Bros., carriage hire .	2.00	
Frost and Adams, engineers' supplies . . . . .	96.92	
Bigelow & Dowse, engineers' supplies . . . . .	11.42	
F. E. Whitney, engineers' supplies . . . . .	10.00	
Hinckley Bros. & Co., engin- eers' supplies . . . . .	6.44	
John P. Lowell Arms Co., engineers' supplies . . . .	1.05	
A. J. Wilkinson & Co., engineers' supplies . . . .	2.50	
Buff & Berger, transit and repairs . . . . .	306.60	
Fred Brooks, use of transit	91.00	
Robert Burlen, binding plans	21.00	
Thomas Groom & Co., sta- tionery . . . . .	48.25	
F. M. Spencer, rubber stamp . . . . .	2.00	
Harry T. Walshe, plate. . . .	2.00	
A. W. Mitchell Manfg Co., badge. . . . .	3.27	
<i>Amounts carried forward</i> .	<u>\$2,773.61</u>	<u>\$14,377.77</u>

<i>Amounts brought forward</i> .	\$2,773.61	\$14,377.77
Byron Boyd, abstracts . . .	20.00	
E. A. Pinnock, type writing . . . . .	9.75	
Gillis & Gleeson, electrical supplies . . . . .	.81	
Jacob Woodbury, tool . . .	1.00	
Charles L. Underhill, blacksmithing . . . . .	21.90	
Kilborn Whitman & Co., furniture . . . . .	32.00	
Wemyss Bros. & Co., furniture . . . . .	67.00	
P. Derby & Co., furniture . . . . .	11.00	
Williams Table & Lumber Co., furniture . . . . .	25.75	
Harrison, Beard & Co., repairing furniture. . . . .	12.00	
Jackson Caldwell & Co., repairing furniture . . . . .	15.00	
W. H. Brine, repairing furniture . . . . .	9.25	
F. H. Mixon, repairing furniture . . . . .	4.00	
Philip J. Fitzpatrick, repairing furniture . . . . .	.75	
George T. Hoyt, awnings . . . . .	5.50	
George H. Walker & Co., maps. . . . .	21.00	
The Jacob Brodie Co., dry goods . . . . .	2.00	
J. H. Brooks, dry goods . . . . .	1.64	
News Printing Co., advertising . . . . .	28.88	
Citizen Publishing Co., advertising . . . . .	.25	
<i>Amounts carried forward</i> .	<u>\$3,063.09</u>	<u>\$14,377.77</u>

<i>Amounts brought forward</i> .	\$3,063.09	\$14,377.77
Somerville Journal Co., advertising . . . . .	.25	
C. M. Blake, newspapers .	6.00	
M. A. Mann, laundering, etc.	22.00	
Jarius Mann, watching, etc.	117.99	
B. F. Wild & Co., fuel. .	224.40	
H. Wellington & Co., fuel .	8.75	
J. J. Underhill, fuel . . .	1.35	
H. D. & W. S. Durgin, ice .	35.00	
H. J. Seiler, refreshments .	40.00	
Charles Rickenburg refreshments . . . . .	9.00	
Oriental Tea Co., refreshments . . . . .	2.35	
City of Boston, water . . .	63.86	
Somerville Electric Light Co., lighting . . . . .	315.86	
Labor and Supplies . . . .	58.29	
New England Telephone & Telegraph Company, rentals and tolls . . . . .	206.70	
City of Lowell, board of truants . . . . .	265.05	
Thomas N. Hart, rent of P. O. box . . . . .	3.00	
J. W. Coveney, rent of P. O. box . . . . .	1.00	
W. A. Greenough, directory	3.00	
Cambridge Gas Light Co., gas	38.79	
William A. Folsom & Co., steam fittings . . . . .	58.68	
Henry P. Lovering, mason work . . . . .	1.75	
Frederick R. Cutter, repair of clock . . . . .	3.00	
<i>Amounts carried forward</i> .	<hr/> \$4,549.16	<hr/> \$14,377.77

<i>Amounts brought forward</i> .	\$4,549.16	\$14,377.77
J. A. McLane, bill posting .	136.80	
Stillman H. Libby, services as auctioneer . . . . .	13.20	
Charles B. Stevens, recording	5.31	
M. D. Jones & Co., drinking fountain \$500; less dona- tion \$100 . . . . .	400.00	
W. H. Gore & Co., paving .	55.94	
Willard C. Kinsley Post 139 G. A. R., contribution for observance of Memorial Day . . . . .	350.00	
Company M., M. V. M., ap- propriation for rifle prac- tice . . . . .	200.00	
Philip Eberle, rent . . . . .	25.00	
John Battles, labor . . . . .	13.00	
E. P. Cook, labor . . . . .	12.00	
W. H. Denton, labor . . . . .	10.00	
James Deacon, labor . . . . .	3.00	
Thomas Gordon, labor . . . . .	11.45	
J. H. Hollis, labor . . . . .	1.25	
W. H. Kelley, labor . . . . .	7.00	
A. A. Lewis, labor . . . . .	7.00	
W. H. Laskey, labor . . . . .	2.00	
John F. O'Brien, labor . . . . .	7.00	
Patrick O'Connell, labor . . . . .	17.00	
N. L. Pennock, labor . . . . .	5.00	
D. H. Rinn, labor . . . . .	9.00	
B. F. Sheridan, labor . . . . .	5.00	
J. L. Whitaker, labor . . . . .	11.00	
James G. Wright, labor . . . . .	5.00	
Margaret Hartness, labor . . . . .	5.00	
Henry Richardson, ward officer	1.00	
S. J. Wood, keys . . . . .	5.75	
<i>Amounts carried forward</i> .	\$5,872.86	\$14,377.77



<i>Amounts brought forward</i> .	\$5,872.86	\$14,377.77
C. C. Searles, germicide .	1.75	
Commonwealth of Mass. .		
liquor licenses . . . . .	.25	
E. W. Bailey, car fares .	70.12	
Katherine W. Wood, car fares	21.45	
Ammiel Colman, salary as seal-		
er of weights and measures	100.00	
Disbursements . . . . .	3.50	
Charles L. Ellis, salary as		
deputy collector . . . . .	900.00	
Disbursements . . . . .	3.00	
Clara B. Snow, clerical ser-		
vices . . . . .	302.00	
Gertrude G. Kendall, clerical		
services . . . . .	201.34	
Alice D. Keniston, clerical		
services . . . . .	127.35	
L. Edith McBain, clerical		
services . . . . .	108.01	
Florence M. Grow, clerical		
services . . . . .	80.00	
Mary W. Fitz, clerical ser-		
vices . . . . .	49.00	
Cora F. Lewis, clerical ser-		
vices . . . . .	41.99	
Lucia A. Manning, clerical		
services . . . . .	18.00	
Frank E. Merrill, clerical		
services . . . . .	45.00	
Charles S. Robertson, clerical		
services . . . . .	49.55	
Charles G. Brett, clerical		
services . . . . .	36.00	
William P. Pitman, clerical		
services . . . . .	36.00	
Chas. Delano, clerical services	78.00	
<i>Amounts carried forward</i> .	\$8,139.17	\$14,377.77

<i>Amounts brought forward</i> .	\$8,139.17	\$14,377.77
Frederick S. Haynes, clerical services . . . . .	72.00	
Frederick Harlow, clerical services . . . . .	60.00	
Leon J. Kibbie, clerical services . . . . .	15.00	
Ward Officers . . . . .	1,602.00	
American Watch Co. Band, concert . . . . .	110.00	
Masten & Wells, Fire Works Manufacturing Co., fire works . . . . .	500.00	
Storey & Thorndike, legal services . . . . .	50.00	
S. Z. Bowman, disbursements	26.00	
Charles F. Sewall, election returns . . . . .	3.00	
Smith & Robertson, insurance	50.00	
John Manning & Son, teaming . . . . .	10.00	
A. M. Prescott, teaming . . . . .	24.00	
Chas. E. Farnham, expressing	11.10	
E. R. Perham, expressing . . . . .	10.50	
Thorpe's Express, expressing	4.85	
Bancroft's Express, expressing	.75	
Gilman's Express Co., expressing . . . . .	.25	
Dennis Foley, labor . . . . .	3.50	
Charles R. Simpson, veterinary services . . . . .	4.00	
John Roach, veterinary services . . . . .	2.50	
Thomas Hollis, drugs . . . . .	5.30	
George W. Littlefield, ringing bell . . . . .	10.00	
<i>Amounts carried forward</i> .	<u>\$10,713.92</u>	<u>\$14,377.77</u>

<i>Amounts brought forward</i> .	\$10,713.92	\$14,377.77
Fred S. Young, ringing bell .	17.25	
Frank H. Wentworth, ringing bell . . . . .	3.00	
Ira Parker, ringing bell .	3.00	
J. H. Colbath, ringing bell .	10.00	
Amasa Gray, ringing bell .	9.00	
A. Strahan, ringing bell .	7.00	
Geo. W. Jacobs, ringing bell	10.00	
Herbert E. Stone, ringing bell	4.00	
A. D. Colesworthy, ringing bell . . . . .	10.00	
Albert C. Aldrich, return of births . . . . .	10.50	
Wm. A. Bell, return of births	6.50	
Giles W. Bryant, return of births . . . . .	6.00	
W. H. Bailey, return of births	2.25	
A. H. Carvill, return of births	2.50	
George A. Coburn, return of births . . . . .	1.00	
E. Chenery, return of births .	.25	
W. C. Clark, return of births	.25	
Charles S. Cahill, return of births . . . . .	8.25	
H. F. Curtis, return of births	1.50	
John B. Curtis, return of births . . . . .	.50	
E. H. Coddling, return of births . . . . .	.75	
John F. Couch, return of births . . . . .	45.50	
A. B. Dearborn, return of births . . . . .	8.00	
Estate of William W. Dow, return of births . . . . .	7.75	
<i>Amounts carried forward</i> .	<u>\$10,888.67</u>	<u>\$14,377.77</u>

<i>Amounts brought forward</i> .	\$10,888.67	\$14,377.77
Thomas M. Durell, return of births . . . . .	15.50	
Charles C. Ellis, return of births . . . . .	6.75	
A. Ward Follett, return of births . . . . .	16.00	
John A. Gregg, return of births . . . . .	10.75	
A. A. Gibson, return of births	6.75	
John B. Gould, return of births . . . . .	1.50	
W. J. Hatchett, return of births . . . . .	1.00	
G. E. Hetherington, return of births . . . . .	4.00	
H. A. Hands, return of births	10.50	
Sanford Hanscom, return of births . . . . .	12.50	
Forrest Leavitt, return of births . . . . .	.75	
R. L. Lane, return of births .	8.00	
H. B. McIntire, return of births . . . . .	1.25	
H. P. Makechnie, return of births . . . . .	6.50	
George W. Mills, return of births . . . . .	.75	
Emory L. White, return of births . . . . .	.75	
Roswell Wetherbee, return of births . . . . .	1.50	
Horace C. White, return of births . . . . .	17.25	
E. A. Sanborn, return of births . . . . .	5.75	
<i>Amounts carried forward</i> .	\$11,016.42	\$14,377.77

<i>Amounts brought forward</i> .	\$11,016.42	\$14,377.77
F. W. Taylor, return of births	6.00	
Charles A. Southwick, census of births . . . . .	100.20	
Labor . . . . .	70.53	
John M. Schroeder, census of births . . . . .	122.00	
John Bryant, return of deaths	5.50	
John E. Bryant, return of deaths . . . . .	1.75	
John E. Bryant & Co., return of deaths . . . . .	2.50	
John Bryant & Sons, return of deaths . . . . .	1.00	
William A. Frink, return of deaths . . . . .	5.50	
William A. Flaherty, return of deaths . . . . .	33.00	
Alfred E. Mann, return of deaths . . . . .	22.50	
Flowers . . . . .	25.75	
E. H. Marsh, return of deaths	22.75	
C. H. Lockhart, return of deaths . . . . .	14.00	
Horace D. Runey, return of deaths . . . . .	39.75	
H. W. Burgess, turkeys . . . . .	37.44	
C. M. Berry, turkeys . . . . .	61.80	
George E. Elliot, turkeys . . . . .	83.22	
S. S. Higgins, turkeys . . . . .	109.25	
George S. Winslow, turkeys . . . . .	32.80	
William S. Ward, supplies . . . . .	15.94	
Charles C. Ellis, compensa- tion for damages . . . . .	125.00	
Ellen M. O'Brien, compensa- tion for damages . . . . .	150.00	
<i>Amounts carried forward</i> .	<hr/> \$12,104.60	<hr/> \$14,377.77

<i>Amounts brought forward</i> . . . . .	\$12,104.60	\$14,377.77
Mamie Edlefson, compensation for damages . . . . .	275.00	
Elizabeth A. Smith, compensation for damages . . . . .	500.00	
Brenton C. Patterson, compensation for damages . . . . .	16.50	
Ida L. Young, compensation for damages . . . . .	200.00	
Anna P. Vinal, et. al., compensation for damages . . . . .	37.04	
John McCarthy, compensation for damages . . . . .	200.00	
Franklin Henderson, compensation for damages . . . . .	293.00	
Elizabeth B. Willis, compensation for damages . . . . .	450.00	
Mrs. William Watkeys, compensation for damages . . . . .	200.00	
Sewers Construction account, labor . . . . .	94.13	
Sewers Maintenance account, labor . . . . .	7.50	
	<hr/>	<u>\$14,377.77</u>

## NATHAN TUFTS PARK.

## CREDIT.

Balance from 1892 . . . . .		\$3,408.55
Appropriations, amount appropriated by borrowing on Funded Debt account . . . . .		10,000.00
Cash, received of Whitney & Snow, cement . . . . .	19.20	
Sewers Construction account, labor . . . . .	52.12	
	<hr/>	71.32
Excess and Deficiency, balance to debit of account . . . . .		57.78
<i>Amount carried forward</i> . . . . .		<u>\$13,537.65</u>

*Amount brought forward* . . . . \$13,537.65

## DEBIT.

Cash, paid laborers . . . .	\$7,540.98	
Christopher Burke, teaming and grading . . . .	1,967.00	
Timothy Crimmings, teaming	322.45	
Crimmings & Collins, teaming	125.10	
Charles Booth, teaming . .	441.01	
James Fannon, teaming . .	140.00	
George F. McKenna, teaming	114.00	
A. M. Prescott, teaming . .	176.00	
John F. Elkins, teaming . .	15.00	
Martin Gill, teaming . . .	15.00	
Dennis C. Collins, teaming .	118.90	
Henry Gray, teaming . . .	37.50	
William McCarthy, teaming	87.50	
Jeremiah McCarthy, teaming	33.75	
Thomas Allen, teaming . .	26.13	
Robert Canfield, teaming .	49.00	
Heirs of Jeremiah McCarthy, filling . . . . .	360.60	
J. E. Herrick, mason work, etc. . . . .	1,103.14	
F. Dooris, blacksmithing . .	46.64	
F. Dooris & Son, blacksmith- ing . . . . .	4.20	
Whitney & Snow, hardware	191.28	
J. B. Dupont, hardware . .	7.46	
Sunmer & Goodwin, pipe . .	153.70	
P. J. Dinn, window and door guard . . . . .	60.00	
T. F. McGann, tablet . . .	35.00	
W. B. Bryne, blasting . . .	40.95	
George W. Trefren, Jr., car- pentering . . . . .	13.40	
<i>Amounts carried forward</i> . .	<u>\$13,225.69</u>	<u>\$13,537.65</u>

<i>Amounts brought forward</i> .	\$13,225.69	\$13,537.65
I. H. Brown & Co., lumber	19.32	
F. C. Ayer, Agt., lumber .	74.74	
Thomas Gordon, signs .	1.27	
Catharine Fitzgerald, filling	61.50	
E. A. Cheney, use of derrick	81.86	
Water Maintenance account, labor . . . . .	43.89	
Public Grounds account, labor	29.38	
	<hr/>	<u>\$13,537.65</u>

## OVERLAY AND ABATEMENT.

## CREDIT.

Balance from 1892 . . . . .	\$2,402.74
Taxes, amount added by the assessors for convenience in apportionment, to be applied to abatements on taxes . . . . .	10,315.53
Cash, taxes collected . . . . .	30.80
	<hr/>
	\$12,749.07

## DEBIT.

Taxes, amount of abatements on taxes	\$6,440.40
Excess and Deficiency, amount transferred . . . . .	2,766.47
Balance to credit in account 1894 .	3,542.20
	<hr/>
	<u>\$12,749.07</u>

## OVERPLUS ON TAX SALES.

## CREDIT.

Balance from 1892 . . . . .	\$102.13
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## DEBIT.

Balance to 1894 . . . . .	<u>\$102.13</u>
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## POLICE.

## CREDIT.

Appropriations, amount assessed . . . . .		\$25,000.00
Cash, received National bank and Corporation taxes . . . . .	19,307.79	
Herbert A. Chapin, clerk of court, officers' fees, fines, etc. . . . .	3,826.50	
John M. Fisk, master of house of correction, fines, etc. . . . .	1,047.00	
Michael Collins, old zinc, etc. . . . .	8.05	
	<hr/>	24,189.34
		<hr/>
		\$49,189.34

## DEBIT.

Cash, paid M. C. Parkhurst, chief . . . . .	\$1,900.00	
Robert R. Perry, captain . . . . .	1,500.00	
Edward McGarr, sergeant . . . . .	1,200.00	
Christopher C. Cavanagh, sergeant . . . . .	1,200.00	
Dennis Kelley, sergeant . . . . .	1,200.00	
Eugene A. Carter, sergeant . . . . .	1,188.42	
John F. Johnson, patrolman . . . . .	1,095.00	
John E. Fuller, " . . . . .	1,095.00	
Samuel A. Brown, " . . . . .	1,095.00	
George L. Smith, " . . . . .	1,092.00	
Edward M. Carter, " . . . . .	1,095.00	
George W. Bean, " . . . . .	1,095.00	
George A. Bodge, " . . . . .	1,095.00	
Phineas W. Skinner " . . . . .	109,5.00	
Hubert H. Miller, " . . . . .	1,089.00	
Edward E. Hamblen, " . . . . .	1,095.00	
John Hafford, " . . . . .	1,095.00	
Albion L. Staples, " . . . . .	1,095.00	
	<hr/>	
<i>Amounts carried forward</i> . . . . .	\$21,319.42	\$49,189.34

<i>Amounts brought forward</i>	\$21,319.42	\$49,189.3
George H. Carleton, patrolman	1,095.00	
Judson W. Oliver, "	1,095.00	
Francis A. Perkins, "	1,095.00	
Charles S. Thrasher, "	1,095.00	
William H. Johnston, "	1,095.00	
Charles E. Woodman, "	1,095.00	
Arthur E. Keating, "	1,095.00	
John G. Knight, "	1,086.00	
Stephen S. Smith, "	1,032.00	
Jacob W. Skinner, "	1,095.00	
Theodore E. Herron, "	1,095.00	
David A. Bolton, "	1,011.50	
Ulysses G. Skinner, "	970.00	
James M. Harmon, "	966.25	
Michael T. Kennedy, "	969.00	
Charles W. Stevens, "	969.00	
Ira S. Carleton, "	969.00	
Ezra A. Dodge, "	969.00	
Eugene H. Gammon, "	969.00	
James J. Pollard, "	770.00	
Daniel G. Simons, "	725.00	
Patrick F. McGrath, "	377.50	
Samuel Burnes, "	255.50	
Michael F. Davis, "	248.75	
John A. Dadman, special patrolman	46.00	
Jeremiah J. Meaney, "	22.00	
Cornelius J. Cahill, "	6.75	
Charles E. Gould, "	14.50	
William H. Kelley, "	12.50	
Fred S. Young, "	6.25	
Andrew F. Arnold, "	8.00	
Nathan L. Pennock, "	8.00	
Daniel H. Rinn, "	8.00	
Seba F. Coffin, "	10.00	
Edward F. Reed, "	8.00	
<i>Amounts carried forward</i>	\$43,611.92	\$49,189.3

<i>Amounts brought forward</i>	\$43,611.92	\$49,189.34
B. F. Sheridan, special patrolman	8.00	
Augustus A. Lewis, “	7.00	
Daniel R. Spike, “	8.00	
Joseph Young, “	8.00	
Peter Savage, “	8.00	
Peter J. Savage, “	4.00	
John S. Cotter, “	8.00	
Lambert M. Maynard, “	6.00	
Lewis R. Stewart “	4.00	
Michael F. Fitzpatrick “	3.00	
Henry J. Turner, labor .	63.00	
James E. Keating, labor .	22.50	
Angus McDonald, labor .	22.50	
James W. Vaughn, line man	51.25	
Edward D. Donahoe, line man	32.50	
John Kannarie, line man .	41.25	
John McInniss, line man .	10.00	
Charles Howe, line man .	40.00	
Frank Nicholson, line man .	56.25	
Fred A. Blackburn, line man	131.50	
James L. Prentiss, line man	85.69	
James D. Perkins, Jr., line man . . . . .	10.00	
M. C. Parkhurst, salary as lock-up keeper . .	100.00	
M. C. Parkhurst, disbursements . . . . .	8.00	
Edward M. Carter, disbursements . . . . .	5.82	
Dennis Kelley, disbursements	8.05	
Eugene A. Carter, disbursements	17.36	
John G. Knight, disbursements . . . . .	1.18	
M. T. Kennedy, disbursements . . . . .	2.65	
<i>Amounts carried forward</i>	<hr/> \$44,385.12	<hr/> \$49,189.34

<i>Amounts brought forward</i> .	\$44,385.42	\$49,189.34
Charles W. Stevens, disbursements . . . . .	2.15	
Lemuel H. Snow, disbursements . . . . .	24.75	
George W. Bean, fees . . . . .	2.50	
Charles Waugh & Co., ambulance . . . . .	450.00	
Harness . . . . .	162.50	
William T. Henderson, pung . . . . .	45.00	
Charles W. Dailey, use of ambulance . . . . .	35.00	
John H. Kelley, use of horse . . . . .	30.00	
Edward O'Brien, horseshoeing . . . . .	55.12	
Fulton O'Brion, grain . . . . .	231.25	
Charles E. Berry, harness work . . . . .	4.50	
E. Spalding, harness work . . . . .	7.15	
Peter Forg, harness work . . . . .	.90	
Union Square Carriage Co., repairs of wagon . . . . .	35.60	
Charles L. Underhill, repairs of wagon, etc. . . . .	62.00	
Seward Dodge, blacksmithing . . . . .	4.50	
James T. Fitzgerald, carriage hire . . . . .	7.00	
J. H. Thompson, carriage hire . . . . .	79.50	
L. H. Brown, carriage hire . . . . .	23.50	
Howard Lowell, carriage hire . . . . .	4.00	
Howe & Flint, hardware . . . . .	36.87	
W. E. Plumer, hardware . . . . .	19.86	
F. C. Fuller & Son, hardware . . . . .	3.07	
James Bartley, soap, etc. . . . .	3.51	
Sturtevant Bros., soap, etc. . . . .	4.10	
R. M. Sturtevant, soap, etc. . . . .	3.93	
<i>Amounts carried forward</i> .	\$45,723.68	\$49,189.34

<i>Amounts brought forward</i> .	\$45,723.68	\$49,189.34
Thomas Groom & Co., stationery . . . . .	31.50	
Somerville Journal Co., stationery . . . . .	64.45	
M. L. Vinal, stationery . . . . .	2.40	
Howard Hamblen, stationery . . . . .	2.80	
Little, Brown & Co., law books . . . . .	6.00	
W. A. Greenough & Co., directory . . . . .	2.00	
Union Glass Co., globes . . . . .	1.25	
S. J. Wood, keys . . . . .	.75	
C. M. Blake, newspapers . . . . .	14.80	
C. B. Cheney, photographs . . . . .	2.00	
George D. Ford, photographs . . . . .	1.00	
L. D. Miller, polish . . . . .	2.50	
J. A. Porter, meals for prisoners . . . . .	25.00	
H. B. Matthews, meals for prisoners . . . . .	3.95	
N. E. Telephone & Telegraph Co., rentals and tolls . . . . .	653.94	
Pettengill, Andrews Co., electrical supplies . . . . .	437.25	
Boston Bolt Co., bolts . . . . .	7.50	
Campbell Electrical Supply Co., electrical supplies . . . . .	4.50	
Gillis & Gleeson, electrical supplies . . . . .	37.50	
Municipal Signal Co., signal boxes . . . . .	532.00	
Horatio Wellington & Co., fuel . . . . .	54.70	
George H. Cowdin, drugs . . . . .	5.25	
W. H. Way, veterinary services . . . . .	50.00	
<i>Amounts carried forward</i> .	\$47,666.72	\$49,189.34

<i>Amounts brought forward</i> .	\$47,666.72	\$49,189.34
F. G. Ray & Son, laundering	17.56	
William J. Blaisdell, painting	16.50	
I. H. Brown & Co., lumber	2.00	
M. G. Staples, teaming .	11.00	
J. Robinson, teaming . . .	3.25	
D. Cutter, repairing badges .	1.25	
L. L. Reilly, badges . . .	15.00	
Simon Connor, wreaths .	6.50	
John P. Lovell Arms Co., buttons . . . . .	29.50	
Thorpe's Express, expressing	3.05	
Charles E. Farnham express- ing . . . . .	.85	
Gilman's Express Co., ex- pressing . . . . .	.50	
E. R. Perham, expressing .	.15	
	<u>\$47,773.83</u>	
Excess and Deficiency, bal- ance to credit of account .	1,415.51	
		<u>\$49,189.34</u>

## POLICE STATION INCIDENTALS.

## CREDIT.

Appropriations, amount assessed . . . . .	\$3,500.00
Cash, received of Commonwealth of Massachu- setts, rent of armory . . . . .	400.00
	<u>\$3,900.00</u>

## DEBIT.

Cash, paid William D. Hayden, janitor . . . . .	\$250.00
Cambridge Gas Light Co., gas . . . . .	841.63
City of Boston, water .	105.70
	<u>\$1,197.33</u>
<i>Amounts carried forward</i> .	\$3,900.00

<i>Amounts brought forward</i> . . . . .	\$1,797.33	\$3,900.00
Horatio Wellington, fuel . . . . .	520.00	
J. Q. Twombly, painting . . . . .	185.46	
C. A. Legallee, plumbing . . . . .	36.30	
Howe & Flint, plumbing, etc. . . . .	13.34	
D. P. Bucknam, mason work . . . . .	61.10	
Fred Davis, mason work . . . . .	10.72	
J. Lincoln Collins, guards . . . . .	18.00	
A. A. Sanborn, steam fitting . . . . .	3.25	
G. W. Trefren, carpentering . . . . .	4.90	
G. F. Hurn & Co., repairing furniture . . . . .	11.70	
P. Derby & Co., chair . . . . .	8.00	
Jackson Caldwell, repairing chair . . . . .	1.25	
Seth H. Whitcomb, cleaning carpets . . . . .	6.50	
The Germicide Co., germi- cide service . . . . .	49.95	
James Bartley, matches, etc. . . . .	1.74	
Sturtevant Bros., soap, etc. . . . .	2.65	
R. M. Sturtevant, soap . . . . .	1.35	
W. E. Plumer, brushes, etc. . . . .	6.12	
	<hr/>	
	\$2,739.66	
Excess and Deficiency, bal- ance to credit of account . . . . .	1,160.34	
	<hr/>	
		<u>\$3,900.00</u>

PRINTING AND STATIONERY.

CREDIT.

Appropriations, amount assessed . . . . .		\$6,000.00
Excess and Deficiency, bal- ance to debit of account . . . . .		70.52
		<hr/>
<i>Amount carried forward</i> . . . . .		\$6,070.52

<i>Amount brought forward</i> . . . . .		\$6,070.52
DEBIT.		
Cash, paid Somerville Journal Co., printing and advertising . . . . .	\$2,489.73	
Citizen Publishing Co., print- ing and advertising . . . . .	872.16	
Beacon Lithographic Co., printing bonds . . . . .	170.00	
B. Wilkins, printing . . . . .	3.00	
Babb & Stephens, printing . . . . .	68.50	
Heliotype Printing Co., printing maps . . . . .	4.50	
J. L. McIntosh, preparing cards . . . . .	5.50	
Somerville News Co., adver- tising . . . . .	6.00	
News Printing Co., advertis- ing . . . . .	66.27	
McDonnell Bros., advertis- ing . . . . .	15.20	
Thomas Groom & Co., sta- tionery . . . . .	2,347.36	
M. L. Vinal, stationery . . . . .	3.15	
Frost & Adams, stationery . . . . .	6.15	
W. A. Greenough & Co., directories . . . . .	8.00	
C. G. Hurlburt, eyelet press. . . . .	5.00	
		\$6,070.52

## PROPERTY AND DEBT BALANCE.

CREDIT.		
Balance from 1892 . . . . .		\$557,851.58
Property Public, property acquired during the year 1892 . . . . .		123,992.36
		\$681,843.94
<i>Amount carried forward</i> . . . . .		\$681,843.94



<i>Amount brought forward</i> . . . . .		\$681,843.94
Public Property, increase in valuation as per report and inventory of committee on Public Property . . . . .		104,867.88
Reduction of Funded Debt . . . . .		120,000.00
Renewals of Funded Debt . . . . .		17,000.00
		<hr/>
		\$923,711.82

DEBIT.

Appropriations, amount borrowed on Funded Debt account . . . . .	\$222,000.00	
Balance to credit in account 1894 . . . . .	701,711.82	
	<hr/>	\$923,711.82
		<hr/>

PUBLIC GROUNDS.

CREDIT.

Appropriations, amount assessed . . . . .		\$7,500.00
Cash, received of West End Street Railway, labor and materials . . . . .	\$536.39	
George H. Bishop, grading . . . . .	10.00	
Edward H. Marsh, loam . . . . .	3.53	
Nathan Tufts Park acc., labor . . . . .	29.38	
	<hr/>	579.30
		<hr/>
		\$8,079.30

DEBIT.

Cash, paid laborers . . . . .	\$4,398.06	
Somerville Electric Light Co., lighting . . . . .	120.00	
Joseph Breck & Sons, seed . . . . .	93.30	
M. D. Jones & Co., settees . . . . .	68.60	
Edward Hatch, plants . . . . .	38.66	
C. D. Kaulbach, plants . . . . .	4.00	
	<hr/>	
<i>Amounts carried forward</i> . . . . .	\$4,722.62	\$8,079.30

<i>Amounts brought forward</i> .	\$4,722.62	\$8,079.30
N. F. McCarthy & Co., plants	63.05	
G. W. Manning, labor on flag staff . . . . .	21.00	
Whitney & Snow, tools, etc. .	223.44	
J. A. Durell & Co., tools, etc	8.11	
Perrin, Seamans & Co., tools, etc. . . . .	4.80	
F. D. Weld, ladder . . . . .	5.00	
Howe & Flint, hardware . . . . .	.56	
F. C. Fuller & Son . . . . .	.25	
Dennis Collins, teaming . . . . .	32.00	
J. F. Elkins, teaming . . . . .	45.00	
John Silk, teaming . . . . .	32.50	
S. J. Wood, filing saws . . . . .	3.10	
F. W. Bickford, filing saws . . . . .	.20	
I. H. Brown & Co., lumber . . . . .	17.67	
F. C. Ayer, agent, lumber . . . . .	70.24	
Rockport Granite Co., stone posts . . . . .	140.00	
W. A. Snow & Co., iron fence at cemetery . . . . .	639.75	
W. H. Gore & Co., repairs driveway . . . . .	40.00	
A. Parker, stone work . . . . .	135.25	
Walter Bates & Son, concret- ing . . . . .	93.87	
George W. Trefren, Jr., car- pentering . . . . .	37.59	
T. F. Farrington, carpenter- ing . . . . .	32.70	
J. Q. Twombly, painting . . . . .	26.88	
Charles L. Underhill, black- smithing . . . . .	184.17	
A. M. Prescott, hay and grain	180.72	
J. A. Marsh, grain . . . . .	25.12	
<i>Amounts carried forward</i> .	<hr/> \$6,785.59	<hr/> \$8,079.30

<i>Amounts brought forward</i> . . . . .	\$6,785.59	\$8,079.30
J. A. Littlefield, broom . . . . .	.40	
James Bartley, salt . . . . .	.43	
L. A. Wright, repairing tools . . . . .	5.70	
J. H. Thompson, carriage hire . . . . .	6.00	
L. H. Brown & Co., carriage hire . . . . .	7.00	
John Dadman, police services . . . . .	54.00	
R. P. Benton, loam . . . . .	56.66	
Heirs of Jeremiah McCarthy, loam . . . . .	48.00	
T. F. Crimmings, loam . . . . .	234.70	
Charles A. Mongan, loam . . . . .	51.10	
Christopher Burke, sods . . . . .	28.11	
Patrick O'Riordan, gravel . . . . .	131.70	
Owen Cunningham & Son, sand . . . . .	3.00	
L. M. Maynard, manure . . . . .	25.10	
Benjamin F. Shute, manure . . . . .	7.10	
Charles E. Farnham, express- ing . . . . .	.50	
Joseph Young, repairs of mowers . . . . .	11.00	
Sewer Assessments account, sewer in School Street . . . . .	112.71	
Sewers, Construction account, cement, etc. . . . .	25.59	
Highways account, repairing driveway . . . . .	73.70	
	<hr/>	
	7,668.09	
Excess and Deficiency, bal- ance to credit of account . . . . .	411.21	
	<hr/>	
		<u>\$8,079.30</u>

## PUBLIC LIBRARY.

## CREDIT.

Appropriations, amount assessed . . . . .		\$5,500.00
Cash, received of county treasurer, re- turn on amount received of the city for dog licenses in 1892	\$3,655.64	
H. A. Adams, librarian, fines	160.49	
Catalogues . . . . .	11.80	
J. S. Hayes, librarian, fines . . . . .	174.57	
Catalogues . . . . .	12.20	
	<hr/>	4,014.70
		<hr/>
		\$9,514.70

## DEBIT.

Balance from 1892 . . . . .	\$335.44	
Cash paid Little, Brown & Co., books	1,051.19	
Estes & Lauriat, " . . . . .	994.11	
George E. Littlefield, " . . . . .	637.85	
Lee & Shepard, " . . . . .	48.50	
D. Appleton & Co., " . . . . .	18.00	
Wright & Swasey, " . . . . .	25.00	
C. H. Kilham, " . . . . .	6.50	
J. Q. Adams & Co., " . . . . .	5.00	
Cassell Publishing Co., books	25.00	
A. M. Thayer & Co., books . . . . .	10.00	
Writer Publishing Co., books	6.00	
Arena Publishing Co., books	16.00	
Narcisse Cyr, books . . . . .	1.00	
Heasling & Spielmeyer, books	2.70	
T. M. Merriman, books . . . . .	3.00	
J. S. Round, books . . . . .	4.00	
Library Bureau, books . . . . .	6.28	
Houghton, Mifflin & Co., books . . . . .	8.00	
Balch Brothers, books . . . . .	12.00	
	<hr/>	
<i>Amounts carried forward</i> . . . . .	\$3,215.57	\$9,514.70

<i>Amounts brought forward</i> .	\$3,215.57	\$9,514.70
Critic Co., books . . . .	3.00	
New England Magazine Co., books . . . . .	3.00	
Publishers' Weekly, books .	3.00	
E. I. Shea, books, . . . .	6.00	
Ursuline Convent, books .	1.10	
Bay State Institute Co., books	8.00	
William C. Lane, books .	5.00	
W. A. Greenough & Co., books . . . . .	2.00	
Salem Publishing Co., books	2.00	
J. G. Roberts & Co., binding books . . . . .	243.90	
P. B. Sanford, binding books	359.90	
National Binder Co., binding	56.25	
Babb & Stephens, covers and cards . . . . .	277.00	
H. S. Brackett, carpentering	172.60	
F. A. Chandler, carpentering	4.70	
Haywood Hartwell, carpen- tering . . . . .	1.80	
Henry P. Lovering, carpen- tering . . . . .	2.00	
C. A. Slager, carpentering .	5.10	
Henry P. Lovering, Jr., mason work . . . . .	198.81	
Harrison, Beard & Co., book- cases . . . . .	160.00	
Derby & Kilmer Desk Co., desk . . . . .	31.75	
Young & Maynard, plumbing	6.75	
James F. Davlin, plumbing	1.50	
Cambridge Gas Light Co., gas	209.91	
Somerville Electric Light Co., lighting . . . . .	387.10	
<i>Amounts carried forward</i> .	<u>\$5,367.74</u>	<u>\$9,514.70</u>

<i>Amounts brought forward</i> .	\$5,367.74	\$9,514.70
N. W. Turner & Co., gas fixtures . . . . .	29.75	
Electric Gas Lighting Co., call bells, etc. . . . .	11.80	
C. L. Bly, call bells, etc. . . . .	7.60	
Whitney & Snow, hardware . . . . .	18.23	
Howe & Flint, hardware . . . . .	3.00	
William Hall & Co., hardware . . . . .	18.25	
Fuller & Mathews, hardware . . . . .	2.00	
Jackson Caldwell & Co., curtains . . . . .	22.95	
Daniel Crocker, repairing clock . . . . .	5.00	
A. L. Chamberlain, stamp . . . . .	1.00	
George B. Sargent & Co., stamps . . . . .	6.10	
City of Boston, water rates . . . . .	24.00	
Horatio Wellington & Co., fuel . . . . .	60.00	
B. F. Wild & Co., fuel . . . . .	184.50	
Dennison Tag Co., stationery . . . . .	5.43	
Rice, Kendall & Co., stationery . . . . .	21.19	
C. M. Blake, newspapers . . . . .	12.00	
Woman's Journal, newspapers . . . . .	2.50	
Somerville Journal Co., printing, etc. . . . .	127.70	
Citizen Publishing Co., printing, etc. . . . .	89.00	
Journal Newspaper Co., newspapers . . . . .	2.00	
Smith & Robertson, insurance . . . . .	153.56	
Crane & Woods, insurance . . . . .	33.75	
William Eccles & Sons, repairs . . . . .	.50	
<i>Amounts carried forward</i> .	<u>\$6,209.55</u>	<u>\$9,514.70</u>

<i>Amounts brought forward</i> . . . . .	\$6,209.55	\$9,514 70
F. H. Mixon, repairs . . . . .	1.65	
F. W. Merrill, labor . . . . .	10.70	
G. F. Ericson, labor . . . . .	10.00	
A. M. Keene, labor . . . . .	12.16	
Perkins Institution for the Blind, boxing books . . . . .	6.00	
William S. Wood, salt . . . . .	.65	
S. J. Wood, keys . . . . .	8.60	
J. W. Coveney, rent of P. O. box . . . . .	6.00	
Chas. E. Farnham, expressing	46.85	
E. R. Perham, expressing . . . . .	87.85	
Gilman Express Co., express- ing . . . . .	87.25	
H. A. Adams, librarian . . . . .	399.96	
John S. Hayes, librarian . . . . .	900.00	
Disbursements . . . . .	37.90	
Anna L. Stone, assistant . . . . .	400.00	
Mary J. Warren, assistant . . . . .	400.00	
Edith A. Woodman, assistant	175.14	
M. Gertrude Knapp, assistant	129.48	
F. Mabel Norcross, assistant	226.40	
William C. Hammond, assist- ant . . . . .	101.35	
Stanley Flewelling, assistant	46.12	
Elizabeth Goldsmith, assistant	39.96	
Henry Sanborn, assistant . . . . .	11.60	
H. S. Garcelon, agent . . . . .	75.00	
J. Q. Twombly, glazing . . . . .	1.25	
Thomas Groom & Co., station- ery . . . . .	59.92	
	<hr/>	
	\$9,491.34	
Balance to credit in account 1894 . . . . .	23.36	
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		<u>\$9,514.70</u>

## PUBLIC PROPERTY.

## CREDIT.

Balance to debit in account 1894 . . . . .	\$1,981,211.82
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## DEBIT.

Property and debt balance, property acquired in 1893 . . . . .	\$123,992.36
Increase in valuation as per report of Committee on Public Prop- erty . . . . .	104,867.88
Balance from 1892 . . . . .	1,752,351.58
	<hr/>
	\$1,981,211.82

## REAL ESTATE LIENS.

## CREDIT.

Balance to 1894 . . . . .	\$888.40
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## DEBIT.

Balance from 1892 . . . . .	<u>\$888.40</u>
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## REDUCTION OF FUNDED DEBT.

## CREDIT.

Balance from 1892 . . . . .	\$40,081.71
Appropriations, amount assessed . . . . .	75,000.00
Cash, Maverick National Bank, divi- dends . . . . .	\$8,555.63
City of Boston, water rates . . . . .	2,274.73
	<hr/>
	10,830.36
	<hr/>
	\$125,912.07

## DEBIT.

Property and debt balance, amount of reduction of Funded Debt in 1893 . . . . .	\$120,000.00
Balance to credit in account 1894 . . . . .	5,912.07
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	\$125,912.07



## RENEWALS OF FUNDED DEBT.

## CREDIT.

Appropriations, amount authorized by loans . . . . .	\$17,000.00
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## DEBIT.

Property and debt balance, amount of Funded Debt renewed in 1893 . . . . .	\$17,000.00
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## RELIEF AND BURIAL OF INDIGENT SOLDIERS AND SAILORS.

## CREDIT.

Appropriations, amount assessed . . . . .	\$3,500.00
Excess and Deficiency, balance to debit of account . . . . .	1,097.32
	<hr/>
	\$4,597.32

## DEBIT.

Cash, paid monthly pay rolls . . . . .	\$4,374.00
Worcester Lunatic Hospital, aid . . . . .	169.46
Commonwealth of Massachusetts, aid . . . . .	53.86
	<hr/>
	\$4,597.32

## SALARIES.

## CREDIT.

Appropriations, amount assessed . . . . .	\$34,000.00
Excess and Deficiency, balance to debit of account . . . . .	834.03
	<hr/>
	\$34,834.03

## DEBIT.

Cash, paid William H. Hodgkins, mayor . . . . .	\$1,000.00
George I. Vincent, city clerk . . . . .	2,400.00
	<hr/>
<i>Amounts carried forward</i> . . . . .	\$3,400.00
	<hr/>
	\$34,834.03

<i>Amounts brought forward</i> .	\$3,400.00	\$34,834.03
John F. Cole, city treasurer and collector of taxes .	3,200.00	
Horace L. Eaton, city engineer	2,400.00	
Selwyn Z. Bowman, city so- licitor . . . . .	1,650.00	
Alvah B. Dearborn, city physician . . . . .	950.00	
Charles S. Robertson, city auditor . . . . .	500.00	
Charles S. Robertson, clerk of Common Council .	250.00	
William P. Mitchell, clerk of committees . . . . .	1,650.00	
Albert B. Fales, clerk of as- sessors . . . . .	1,500.00	
Beulah M. Pierce, assistant to treasurer . . . . .	800.00	
Alice T. Sleeper, assistant to treasurer . . . . .	700.00	
Amy L. Manning, assistant to city clerk . . . . .	700.00	
Katharine W. Wood, assist- ant to clerk of assessors .	650.00	
Frederick W. Cook, assist- ant to clerk of committees .	600.00	
Jarius Mann, city messenger .	1,500.00	
Thomas R. Roulstone, in- spector of buildings .	1,900.00	
Leighton W. Manning, supt. of electric lines . . . . .	602.15	
William H. Whitcomb, jani- tor of City Hall and Public Library . . . . .	850.00	
Thomas Cunningham, in- spector of milk . . . . .	300.00	
<i>Amounts carried forward</i> .	<u>\$24,102.15</u>	<u>\$34,834.03</u>

<i>Amounts brought forward</i> .	\$24,102.15	\$34,834.03
Thomas Cunningham, in- specter of provisions .	400.00	
James R. Hopkins, supt. electric lines . . .	83.34	
Benjamin F. Thompson, as- sessor . . . . .	900.00	
George W. Hadley, assessor .	800.00	
Samuel T. Richards, assessor	800.00	
Eward G. Wiswell, assistant assessor . . . . .	250.00	
David A. Sanborn, assistant assessor . . . . .	250.00	
Edgar T. Mayhew, assistant assessor . . . . .	250.00	
Harry A. True, assistant as- sessor . . . . .	250.00	
Cromwell G. Rowell, regis- trar of voters . . . . .	200.00	
Charles P. Lincoln, registrar of voters . . . . .	200.00	
Charles E. Parks, registrar of voters . . . . .	200.00	
George I. Vincent, registrar of voters . . . . .	200.00	
Florence M. Grow, clerical services . . . . .	229.34	
Mary W. Fitz, clerical ser- vices . . . . .	53.33	
Lucy S. Pierce, clerical ser- vices . . . . .	36.00	
Cora F. Lewis, clerical ser- vices . . . . .	19.34	
Engineer's assistants . . .	5,610.53	
	<hr/>	<hr/>
		\$34,834.03

## SCHOOL CONTINGENT.

## CREDIT.

Appropriations amount assessed . . . . .		\$16,000.00
Cash, Dougal F. McCurdy, tuition of non-resident pupil . . . . .	16.00	
Albert S. Teele, tuition of non-resident pupil . . . . .	16.00	
Winslow T. Perkins, tuition of non-resident pupil . . . . .	15.00	
Thomas Haliburton, tuition of non-resident pupil . . . . .	8.00	
Lena Gilbert, tuition of non-resident pupil . . . . .	25.00	
H. D. Raymond, tuition of non-resident pupil . . . . .	16.00	
Emma F. Whitney, tuition of non-resident pupil . . . . .	8.00	
G. A. Southworth, injury to books . . . . .	9.98	
	<hr/>	113.98
Excess and Deficiency, balance to debit of account . . . . .		3,667.97
		<hr/>
		\$19,781.95

## DEBIT.

Cash, paid Clarence E. Meleney, superintendent of schools . . . . .	1,666.66	
Disbursements . . . . .	78.45	
Gordon A. Southworth, superintendent of schools . . . . .	833.32	
Disbursements . . . . .	30.13	
C. M. Taylor, clerk in superintendent's office . . . . .	400.00	
V. E. Hapgood, clerk in superintendent office . . . . .	200.00	
	<hr/>	
<i>Amounts carried forward</i> . . . . .	\$3,208.56	\$19,781.95

<i>Amounts brought forward</i> . . . . .	\$3,208.56	\$19,781.95
L. H. Snow, truant officer . . . . .	983.30	
Disbursements . . . . .	50.00	
Jairus Mann, truant officer . . . . .	50.04	
Leach, Shewell & Sanborn, books . . . . .	1,519.09	
Silver, Burdett & Co., books . . . . .	1,236.70	
Boston School Supply Co., books . . . . .	90.83	
Allyn & Bacon, books . . . . .	33.49	
Houghton, Mifflin & Co., books . . . . .	405.13	
Carl Schoenhof, books . . . . .	221.77	
University Publishing Co., books . . . . .	260.74	
Ginn & Co., books . . . . .	1,102.98	
The American Book Co., books . . . . .	1,045.73	
D. C. Heath & Co., books . . . . .	122.93	
Lee & Shepard, books . . . . .	48.75	
Effingham, Maynard & Co., books . . . . .	13.20	
William Ware, books . . . . .	78.75	
Thompson, Brown & Co., books . . . . .	159.10	
Edward E. Babb & Co., books . . . . .	31.84	
D. Lothrop Co., books . . . . .	68.00	
Maynard, Merrill & Co., books . . . . .	34.40	
Damrell & Upham, books . . . . .	5.40	
DeWolfe, Fiske & Co., books . . . . .	3.75	
Massachusetts Bible Society, books . . . . .	3.15	
Prang Educational Co., sup- plies . . . . .	1,447.46	
Greenough, Adams & Cush- ing . . . . .		
<i>Amounts carried forward</i> . . . . .	\$12,225.09	\$19,781.95

<i>Amounts brought forward</i> . . . . .	\$12,225.09	\$19,781.95
ing, supplies . . . . .	665.64	
George F. King & Merrill, supplies . . . . .	2,849.12	
J. L. Hammett, supplies . . . . .	296.67	
Winkley, Dresser & Co., sup- plies . . . . .	146.95	
George F. Perry & Co., sup- plies . . . . .	131.65	
Wadsworth, Howland & Co., supplies . . . . .	81.12	
Frost & Adams, supplies . . . . .	115.86	
Thorp & Martin Manufactur- ing Co., supplies . . . . .	32.82	
Pulsifer, Jordan & Co., sup- plies . . . . .	37.79	
Boston Paper Box Co., sup- plies . . . . .	3.50	
Carter, Rice & Co., supplies . . . . .	8.40	
Franklin Educational Co., supplies . . . . .	44.28	
A. Storrs & Bemett Co., sup- plies . . . . .	5.20	
H. C. Dimond & Co., sup- plies . . . . .	.64	
E. Steiger, supplies . . . . .	9.10	
The Jacob Brodie Co., sup- plies . . . . .	5.96	
W. E. Plumer & Co., supplies . . . . .	15.76	
Sawyer & Read, supplies . . . . .	2.60	
Library Bureau, supplies . . . . .	10.55	
Daniel T. Ames, supplies . . . . .	11.63	
Eberhard Faber, pencils . . . . .	123.75	
Eagle Pencil Co., compasses . . . . .	45.80	
John C. Haynes & Co., pitch pipes . . . . .	5.50	
<i>Amounts carried forward</i> . . . . .	<u>\$16,875.38</u>	<u>\$19,781.95</u>

<i>Amounts brought forward</i> .	\$16,875.38	\$19,781.96
E. Victor Emilio, pitch pipes	31.50	
C. M. Hussey, boxes . . .	38.75	
Joseph Watrous, book covers	141.59	
Holden's Patent Book Cover Co., book covers . . . .	25.30	
Hub Blank Book & Stationery Co., binding books . . . .	19.25	
Holland & Daniels, mounting maps . . . . .	23.10	
J. A. Bremner & Co., frame	2.70	
M. H. Crowell, cards . . . .	12.00	
Perry, Mason & Co., pro- grams . . . . .	1.63	
Charles S. Binner, letter book . . . . .	3.50	
Howe & Flint, hardware . . .	2.50	
Somerville Journal Co., print- ing . . . . .	491.60	
Citizen Publishing Co., print- ing . . . . .	169.86	
McDonnell Brothers, printing	14.40	
Somerville News Co., print- ing . . . . .	3.25	
News Printing Co., printing .	9.00	
Boston Bank Note and Litho- graph Co., diplomas . . . .	88.23	
C. A. French, filling in diplo- mas . . . . .	82.45	
J. A. McLane, bill posting . .	22.00	
First M. E. Church, use of edifice . . . . .	200.00	
F. W. Shattuck, disburse- ments . . . . .	18.25	
Charles E. Brainard, disburse- ments . . . . .	36.09	
<i>Amounts carried forward</i> . .	<u>\$18,312.33</u>	<u>\$19,781.95</u>

<i>Amounts brought forward</i> .	\$18,312.33	\$19,781.95
John S. Hayes, disbursements	24.05	
G. M. Wadsworth, disbursements . . . . .	9.12	
H. N. Andrews, disbursements . . . . .	5.30	
G. E. Nichols, disbursements	3.81	
F. C. Baldwin, disbursements	2.80	
George L. Baxter, disbursements . . . . .	5.50	
M. J. Wendell, disbursements	13.10	
C. M. Coffin, disbursements .	21.23	
S. Henry Hadley, music .	77.24	
Jordan, Marsh & Co., ribbon	3.45	
Esther O. White, flowers .	5.35	
L. H. Brown, carriage hire .	15.00	
Boston Cab Co., carriage hire	5.00	
Derby & Kilmer Desk Co., repairs . . . . .	3.13	
Charlestown Gas & Electric Co., gas . . . . .	128.96	
Cambridge Gas Light Co., gas . . . . .	191.59	
Somerville Electric Light Co., lighting . . . . .	67.81	
City of Boston, water . . . . .	600.08	
City of Cambridge, water .	15.75	
N. E. Telephone & Telegraph Co., rentals and tolls . . . . .	63.45	
Thomas N. Hart, rent of P. O. box . . . . .	4.00	
E. S. Daniels, tuning pianos .	4.00	
Thos. J. Armstrong, services	10.00	
C M. Porter, labor . . . . .	10.00	
Hayward Hartwell, repairs of locks . . . . .	2.25	
<i>Amounts carried forward</i> .	\$19,604.30	\$19,791.95



<i>Amounts brought forward</i> . . . . .	\$19,604.30	\$19,781.95
Geo. Morton, repairs of locks . . . . .	1.25	
Joseph Young, repairs of locks . . . . .	2.50	
S. J. Wood, repairs of locks . . . . .	1.50	
A. M. Prescott, teaming . . . . .	55.25	
Gilman Express Co., express- ing . . . . .	9.10	
Chas. E. Farnham, expressing . . . . .	101.00	
Thorpe's Express Co., ex- pressing . . . . .	6.60	
Glines & Co., expressing . . . . .	.45	
	<hr/>	<u>\$19,781.95</u>

## SCHOOL CONTINGENT, JANITORS' SALARIES.

## CREDIT.

Appropriations, amount assessed . . . . .	\$10,000.00
Excess and Deficiency, balance to debit of account	160.63
	<hr/>
	\$10,160.63

## DEBIT.

Cash, paid janitors' salaries as per pay rolls . . . . .	\$10,160.63
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## SCHOOL FUEL.

## CREDIT.

Appropriations, amount assessed . . . . .	\$8,000.00
Excess and Deficiency, balance to debit of account	312.05
	<hr/>
	\$8,312.05

## DEBIT.

Cash, paid Horatio Wellington & Co., fuel . . . . .	\$4,033.44
B. F. Wild & Co., fuel . . . . .	2,479.20
George M. Winslow & Co., fuel . . . . .	949.51
Baker, Hunnewell & Co., fuel . . . . .	841.90
Thomas Groom & Co., sta- tionery . . . . .	8.00
	<hr/>
	<u>\$8,312.05</u>

## SCHOOLHOUSE, BINGHAM ADDITION.

## CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account . . . . .	\$10,000.00	
Schoolhouse, English High, amount transferred . . . . .	4,000.00	
		<u>\$14,000.00</u>

## DEBIT.

Cash, paid John Kelley, on account of contract . . . . .	\$5,500.00	
Loring & Phipps, architects . . . . .	200.00	
I. B. Kendall, insurance . . . . .	10.00	
Balance to credit in account 1894 . . . . .	8,290.00	
		<u>\$14,000.00</u>

## SCHOOLHOUSE, EDGERLY ADDITION.

## CREDIT.

Balance from 1892 . . . . .	\$8,782.50	
Appropriations, amount appropriated by borrowing on Funded Debt account . . . . .	3,500.00	
		<u>\$12,282.50</u>

## DEBIT.

Cash, paid G. M. Starbird, on account of contract and extras . . . . .	\$6,369.33	
Samuel D. Kelley, architect . . . . .	566.00	
Smith Heating and Ventilating Co., on account of contract . . . . .	2,089.50	
Winchester Furniture Co., furniture . . . . .	600.00	
G. F. Ericson, furniture . . . . .	61.00	
P. Derby & Co., furniture . . . . .	40.00	
Walter Bates & Son, concreting . . . . .	900.90	
J. L. Corthell, electric work . . . . .	145.00	
		<u>\$12,282.50</u>
<i>Amounts carried forward</i> . . . . .	\$10,771.73	\$12,282.50

<i>Amounts brought forward</i> .	\$10,771.73	\$12,282.50
A. J. Wilkinson & Co., door checks . . . . .	26.00	
J. E. Bell, blackboards .	219.30	
Thomas Dowd, plastering .	385.00	
J. Lincoln Collins, guards .	38.96	
Heirs Jeremiah McCarthy, edgestones . . . . .	222.02	
William H. Gore & Co., setting edgestones . . . . .	112.82	
Maloney & Ryan, labor .	50.00	
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	11,825.83	
Balance to credit in account 1894 . . . . .	456.67	
	<hr/>	
		<u>\$12,282.50</u>

SCHOOLHOUSE, ENGLISH HIGH.

CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account . . . . .	\$80,000.00
Schoolhouse in Ward Four, transferred . . . . .	7,500.00
	<hr/>
	\$87,500.00

DEBIT.

Schoolhouse, Bingham Addition, transferred . . . . .	\$4,000.00
Cash, paid Hartwell & Richardson, architects . . . . .	2,000.00
Journal Newspaper Co., advertising . . . . .	8.50
Boston Daily Advertiser, advertising . . . . .	9.50
Balance to credit in account 1894 . . . . .	81,482.00
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	<u>\$87,500.00</u>

SCHOOLHOUSE IN WARD TWO, PROSPECT HILL DISTRICT.

CREDIT.

Balance from 1892 . . . . .	\$890.00
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DEBIT.

Cash, paid Smead Warming and Ventilating Co., balance of contract . . . . .	\$890.00
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SCHOOLHOUSE IN WARD THREE.

CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account . . . . .	\$1,500.00
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DEBIT.

Cash, paid Maloney & Ryan, grading	694.65	
Walter Bates & Son, concret- ing . . . . .	167.20	
Heirs Jeremiah McCarthy, edgestones . . . . .	55.20	
Chandler Adjustable Chair and Desk Co., furniture . . . . .	240.80	
Nashua Iron and Brass Foun- dry Co., furniture . . . . .	18.00	
O. G. Osgood, labor . . . . .	16.75	
E. R. Perham, expressing . . . . .	8.08	
	1,200.68	
Excess and Deficiency, bal- ance to credit of account . . . . .	299.32	\$1,500.00

SCHOOLHOUSE IN WARD FOUR, SOUTH SIDE OF  
FITCHBURG RAILROAD.

CREDIT.

Appropriations, amount appropriated by borrowing on Funded Debt account . . . . .	\$15,000.00
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DEBIT.

Schoolhouse, English High, trans- ferred . . . . .	\$7,500.00	
Cash, paid Heirs of Samuel Knight 13,883 feet of land . . . . .	3,193.09	
Taxes, tax for 1893 . . . . .	43.40	
Journal Newspaper Co., ad- vertising . . . . .	10.50	
Boston Daily Advertiser, ad- vertising . . . . .	8.40	
	<hr/>	
	10,755.39	
Balance to credit in account 1894 . . . . .	4,244.61	
	<hr/>	
		<u>\$15,000.00</u>

SCHOOL HOUSE INCIDENTALS.

CREDIT.

Appropriations, amount assessed . . . . .		\$12,000.00
Cash, received of People's Fire Ins. Co., for damage by fire to Prospect Hill schoolhouse . . . . .	111.91	
Northern Insurance Co., same . . . . .	125.36	
John C. Nichols, division fence . . . . .	20.00	
	<hr/>	
<i>Amounts carried forward . . . . .</i>	<i>\$257.27</i>	<u>\$12,000.00</u>

## ANNUAL REPORTS.

<i>Amounts brought forward</i> .	\$257.27	\$12,000.00
Samuel W. Holt, division fence . . . . .	34.34	
Ladies' Aid Society, use of ward room . . . . .	1.00	
Derby, Kilmer & Pond Desk Co., desk . . . . .	29.00	
	<hr/>	321.61
Excess and Deficiency, bal- ance to debit of account . . . . .		147.50
		<hr/>
		\$12,469.11

## DEBIT.

Cash, paid Frederic A. Chandler, carpentering . . . . .	414.85	
C. A. Slager, carpentering . . . . .	213.23	
George W. Trefren Jr., car- pentering . . . . .	330.03	
Fuller & Matthews, carpen- tering . . . . .	164.26	
John D. Hills, carpentering . . . . .	75.19	
John R. Thompson, carpen- tering . . . . .	56.57	
J. W. Johnson, carpentering . . . . .	81.53	
J. H. Bounds, carpentering . . . . .	145.07	
W. O. Francis, carpentering . . . . .	82.77	
O. G. Osgood, carpentering . . . . .	23.45	
Osgood & Stevens, carpen- tering . . . . .	21.35	
Edmund J. Cogan, carpenter- ing . . . . .	340.51	
H. S. Brackett, carpentering . . . . .	27.47	
J. H. Keenan, carpentering . . . . .	16.56	
N. C. Barker, carpentering . . . . .	3.15	
G. M. Starbird, carpentering . . . . .	5.35	
	<hr/>	
<i>Amounts carried forward</i> .	\$2,001.34	\$12,469.11

<i>Amounts brought forward</i> .	\$2,001.34	\$12,469.11
Thomas Gordon, carpentering . . . . .	6.14	
A. F. Arnold, carpentering . . . . .	6.15	
D. P. Bucknam, mason work . . . . .	269.99	
Charles A. Mongan, mason work . . . . .	131.60	
A. C. Winning, mason work . . . . .	136.53	
L. C. Seavey, slating . . . . .	246.16	
Joseph J. Blébins, roofing . . . . .	25.67	
J. A. Durell, stove and furnace work . . . . .	989.00	
Howe & Flint, stove and furnace work . . . . .	390.86	
J. A. Merrifield, stove and furnace work . . . . .	101.20	
J. E. Parsons, stove and furnace work . . . . .	264.65	
Smith & Anthony Co., furnaces . . . . .	273.00	
A. A. Sanborn, steam fitting . . . . .	141.07	
William A. Folsom & Co., steam fitting . . . . .	61.07	
C. W. Cahalan, plumbing . . . . .	40.66	
Fred S. Young, plumbing . . . . .	10.05	
H. W. Covell, plumbing . . . . .	24.46	
W. L. Snow, plumbing . . . . .	5.98	
Charles A. Holmes, plumbing . . . . .	2.00	
William B. Holmes, plumbing . . . . .	9.38	
C. A. Legallee, plumbing . . . . .	18.93	
D. C. Greene, plumbing . . . . .	32.13	
James F. Davlin, plumbing . . . . .	210.39	
Young & Maynard, plumbing . . . . .	33.63	
<i>Amounts carried forward</i> .	\$5,432.04	\$12,469.11

<i>Amounts brought forward</i> .	\$5,432.04	\$12,469.11
James Scott, painting . . .	276.25	
Frank S. Norris, painting . . .	151.25	
Fred A. Norris, painting . . .	49.90	
J. Q. Twombly, painting . . .	57.91	
Walburg & Woehrn, painting . . .	23.05	
Chas. H. Tufts, painting . . .	99.75	
J. F. Burton, painting . . .	48.00	
A. Fisher, painting . . .	165.70	
J. H. Hollis, painting . . .	3.75	
John T. Sellon, painting . . .	1.15	
Thomas Dowd, plastering . . .	202.00	
Fred Davis, plastering . . .	54.37	
John C. Ross, plastering . . .	5.60	
I. H. Brown & Co., lumber . . .	52.43	
F. C. Ayer, Agt., lumber . . .	11.10	
S. W. Fuller, lumber . . .	95.21	
W. E. Plumer, hardware . . .	159.29	
Whitney & Snow, hardware . . .	24.09	
F. C. Fuller & Son, hardware . . .	17.19	
W. I. Heald, hardware . . .	4.50	
P. Derby & Co., furniture . . .	43.50	
Chandler Adj. Chair and Desk Co., furniture . . .	63.60	
Gustave F. Ericson, furniture . . .	167.45	
Winchester Furniture Co., furniture . . .	331.20	
J. L. Hammett, furniture . . .	86.83	
Nashua Iron & Brass Foundry Co., furniture . . .	18.00	
Orpin Brothers, furniture . . .	33.00	
Pond Desk Co., furniture . . .	40.00	
M. W. Cain & Co., furniture . . .	35.75	
Jordan, Marsh & Co., furniture . . .	32.00	
<i>Amounts carried forward</i> .	<u>\$7,785.86</u>	<u>\$12,469.11</u>



<i>Amounts brought forward</i> . . . . .	\$7,785.86	\$12,469.11
John S. Hayes, book case . . . . .	25.00	
Estate of O. S. Knapp, desk . . . . .	36.00	
Derby, Kilmer & Pond Desk Co., desk . . . . .	29.00	
Derby & Kilmer Desk Co., repairing . . . . .	44.50	
William H. Brine, repairing furniture . . . . .	34.10	
E. A. Grant, repairing furniture . . . . .	4.75	
Jackson Caldwell & Co., carpets . . . . .	17.00	
George F. Hurn & Co., cleaning carpets . . . . .	3.28	
J. E. Bell, blackboards . . . . .	279.41	
W. G. Hallock, dusters . . . . .	67.11	
S. W. Tarbell, shades . . . . .	10.50	
I. L. Corthell, electric work . . . . .	68.41	
J. Lincoln Collins, window guards . . . . .	25.50	
Frederick R. Cutter, repairing clock . . . . .	88.75	
Daniel Crocker, repairing clock . . . . .	70.00	
George F. Horton, repairing clock . . . . .	66.20	
Moulton C. Libbey, repairing clock . . . . .	40.50	
Thomas Groom & Co., stationery . . . . .	10.00	
Boston Spar Co., labor on staffs . . . . .	8.50	
W. P. Rice, saw dust . . . . .	.75	
F. E. Cheney, salt . . . . .	.40	
Sturtevant Brothers, lime . . . . .	2.00	
<i>Amounts carried forward</i> . . . . .	<u>\$8,717.52</u>	<u>\$12,469.11</u>

<i>Amounts brought forward</i> .	\$8,717.52	\$12,469.11
H. W. Burgess, supplies .	1.26	
J. F. Fuller & Co., disenfectant . . . . .	9.00	
Williams & Co., soapstone work . . . . .	22.60	
McDorman Warner, ladders .	15.40	
F. D. Weld, ladders . . . . .	4.75	
Jacob Woodbury, tools . . . . .	4.75	
S. J. Wood, keys . . . . .	34.90	
Ernest S. Leavitt, keys . . . . .	6.75	
Cambridge Hardware Co., keys . . . . .	.50	
H. M. Weld, carriage hire . . . . .	22.00	
F. J. Stanley, carriage hire . . . . .	5.00	
Woodbridge Hotel, refreshments . . . . .	3.00	
Maloney & Ryan, grading, etc. . . . .	285.00	
Walter Bates & Son, concreting . . . . .	514.80	
T. Allen, concreting . . . . .	508.00	
T. F. Cimmings, teaming . . . . .	52.50	
George F. McKenna, teaming . . . . .	48.00	
John Ducey, teaming . . . . .	21.00	
M. G. Staples, teaming . . . . .	13.00	
George W. Prichard, teaming . . . . .	2.50	
George A. Richards, teaming . . . . .	1.50	
John Silk, teaming . . . . .	5.00	
A. B. Colesworthy, labor . . . . .	4.91	
Patrick O'Connell, labor . . . . .	98.52	
C. A. Southwick, labor . . . . .	87.37	
James Deacon, labor . . . . .	22.10	
H. F. White, labor . . . . .	72.00	
W. H. Kelley, labor . . . . .	85.00	
Timothy O'Brien, labor . . . . .	5.00	
<i>Amounts carried forward</i> .	\$10,673.63	\$12,469.11

<i>Amounts brought forward</i> . . . . .	\$10,673.63	\$12,469.11
John Connelly, labor . . . . .	7.75	
C. S. Dawes, labor . . . . .	2.00	
A. S. Adams, labor . . . . .	19.20	
T. A. Wellman, labor . . . . .	53.75	
P. Bowdren, labor . . . . .	43.00	
Reuben Dailey, labor . . . . .	121.25	
Reuben Dailey, Jr., labor . . . . .	50.00	
Charles A. Pearson, labor . . . . .	106.25	
E. T. Peterson, labor . . . . .	50.00	
A. A. Lewis, labor . . . . .	11.48	
N. L. Pennock, labor . . . . .	11.00	
B. F. Sheridan, labor . . . . .	10.00	
James Smith labor . . . . .	12.00	
A. M. Sibley, labor . . . . .	2.00	
Seward Dodge, blacksmithing	2.70	
Cunningham Iron Works, re-		
pairs of boiler . . . . .	10.33	
Owen Cunningham & Son,		
loam . . . . .	15.00	
R. M. Johnson, removing		
soil . . . . .	104.00	
Cambridge Gas Light Co.,		
connecting meter . . . . .	35.28	
Dana W. Bennett & Co.,		
premium of insurance . . . . .	458.49	
Arthur T. Hatch, premium of		
insurance . . . . .	8.76	
Anthony Haderbolets, rent . . . . .	342.00	
E. R. Perham, expressing . . . . .	14.55	
Gilman Express Co., express-		
ing . . . . .	.35	
Sewers account, catch basins . . . . .	35.74	
Highways account, driveway . . . . .	21.90	
Sidewalk Assessments account,		
sidewalk on Glen Street . . . . .	133.67	
<i>Amounts carried forward</i> . . . . .	\$12,356.08	\$12,469.11

<i>Amounts brought forward</i> . . .	\$12,356.08	\$12,469.11
Sidewalk on Concord Avenue . . . . .	52.25	
Sidewalk on Elm Street . . . . .	60.78	
	<hr/>	<u>\$12,469.11</u>

## SCHOOL TEACHERS' SALARIES.

## CREDIT.

Appropriations, amount assessed . . . . .	\$125,000.00
Excess and Deficiency, balance to debit of account . . . . .	11,962.65
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	\$136,962.65

## DEBIT.

Cash, paid salaries . . . . .	\$137,962.65
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## SEMI-CENTENNIAL CELEBRATION.

## CREDIT.

Balance from 1892 . . . . .	\$164.89
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## DEBIT.

Cash, paid M. W. Carr & Co., medals	\$114.75
Oliver Ditson & Co., music . . . . .	40.50
Excess and Deficiency, balance to credit of account . . . . .	9.64
	<hr/>
	<u>\$164.89</u>

## SEWERS.

## CREDIT.

Balance from 1892, Construction account . . . . .	\$3,106.25
Appropriations, amount appropriated for construction by borrowing on Funded Debt account . . . . .	10,000.00
Amount assessed for maintenance . . . . .	7,000.00
	<hr/>
<i>Amount carried forward</i> . . . . .	\$20,106.25

<i>Amount brought forward</i> . . . . .		\$20,106.25
Cash, received of Massachusetts General Hospital, annual fee for permission to enter Fitchburg Street sewer . . . . .	50.00	
Arthur S. Hales, fee for entering Elm Street sewer . . . . .	30.00	
Robert H. and William T. Clark, fee for entering Elm Street sewer . . . . .	75.00	
Barnett T. Skelton, fee for entering Elm Street sewer . . . . .	62.83	
Charles S. Roach, fee for entering Elm Street sewer , . . . .	9.29	
Thomas C. Connor, fee for entering Ellington Road sewer . . . . .	69.46	
The Union Associates, fee for entering Line Street sewer . . . . .	100.62	
Caroline L. Cooper, sewer in Richdale Avenue . . . . .	225.00	
West End Street Railway Co., manhole . . . . .	43.95	
W. B. Bryne, puddling . . . . .	8.70	
Richard Falvey, puddling . . . . .	2.00	
L. R. Wentworth and G. T. Bossom, trustees, dividend on bill for labor, etc. . . . .	4.77	
Schoolhouse Incidentals account, catch-basin . . . . .	35.74	
Sidewalks account, edgestones . . . . .	45.12	
Highways account, edgestones . . . . .	8.42	
Public Grounds account, labor on catch-basin . . . . .	25.59	
Miscellaneous account, setting fountain . . . . .	101.63	
	<hr/>	<hr/>
<i>Amounts carried forward</i> . . . . .	\$898.12	\$20,106.25

<i>Amounts brought forward</i> .	\$898.12	\$20,106.25
Board of Health account, building culvert . . . .	309.63	
Sewers Maintenance account, inspection . . . . .	18.25	
Cash received, construction . \$768.48		
Cash received, maintenance . 457.52		
		1,226.00
Sewer Assessments, assessments levied .		17,169.80
		<hr/>
		\$38,502.05

## DEBIT.

Cash, paid laborers . . . . .	6,317.03	
George D. Goodrich, drain pipe . . . . .	1,779.90	
Boston Consolidated Brick Co., bricks . . . . .	382.50	
W. A. Sanborn, bricks . . . . .	149.68	
Bay State Brick Co., bricks . . . . .	51.00	
D. Warren De Rosay, bricks . . . . .	23.75	
Thomas Casey, bricks . . . . .	7.20	
Waldo Brothers, cement . . . . .	27.50	
J. E. Herrick, cement . . . . .	1.30	
Owen Cunningham & Son, sand . . . . .	16.50	
Heirs of Jeremiah McCarthy, sand . . . . .	11.00	
I. H. Brown & Co., lumber . . . . .	8.32	
F. C. Ayer, Agt., lumber . . . . .	5.10	
A. Parker, catch basin stones . . . . .	899.50	
Osgood & Hart, covers . . . . .	157.50	
Colman Sewer Trap Co., traps . . . . .	30.00	
		<hr/>
<i>Amounts carried forward</i> .	\$9,867.78	\$38,502.05

<i>Amounts brought forward</i> .	\$9,867.78	\$38,502.05
Barbour, Stockwell & Co., traps . . . . .	105.00	
Perrin, Seamans & Co., tools	10.37	
Charles L. Underhill, repairing tools . . . . .	16.35	
Seward Dodge, repairing tools	2.65	
Miller & Shaw, repairing tools . . . . .	2.91	
Cornelius Callahan Co., hose	148.00	
Edson Manfg. Co., hose .	35.10	
Harry Hunt, repairing hose	4.00	
David W. Lewis, grate .	13.50	
John Fisher, pails . . . . .	5.00	
J. A. Manning & Co., rubber boots . . . . .	59.00	
Samuel White, repairing boots	1.35	
J. H. Jones, repairing boots	2.65	
Whitney & Snow, hardware	233.94	
Howe & Flint, hardware .	7.95	
Robert Burlen, binding plans	2.50	
Thomas Groom & Co., stationery . . . . .	39.25	
City of Boston, water . . . . .	40.00	
City of Cambridge, five-ninths of expense of cleaning Bridge street sewer . . . . .	1,353.98	
Joseph S. Stearns, land damages . . . . .	80.00	
Heirs James W. Stearns, land damages . . . . .	50.00	
Heirs Robert A. Vinal, land damages . . . . .	20.00	
Caroline L. Cooper, over payment on sewer . . . . .	44.26	
George I. Shedd, car fares .	70.05	
<i>Amounts carried forward</i> .	<u>\$12,215.59</u>	<u>\$38,502.05</u>

<i>Amounts brought forward</i> .	\$12,215.59	\$38,502.05
Horace L. Eaton, disbursements . . . . .	.71	
Citizen Publishing Co., adv'g	49.00	
Somerville Journal Co., adv'g	47.00	
A. M. Prescott, teaming .	1,318.18	
Charles Booth, teaming .	45.00	
Christopher Burke, teaming	37.50	
Richard Falvey, teaming .	25.00	
James Fannon, teaming .	40.00	
T. F. Crimmings, teaming .	11.25	
John F. Elkins, teaming .	10.00	
Collins & Crimmings, constructing sewer in Paulina Street and Broadway .	5,389.07	
Collins & Crimmings, constructing sewer in Charmwood Road . . . . .	472.72	
Collins & Crimmings, constructing sewer in Ellington Road . . . . .	79.25	
Collins & Crimmings, constructing sewer in Rogers Avenue . . . . .	116.37	
Collins & Crimmings, constructing sewer in private way off Somerville Avenue	78.44	
Collins & Crimmings, constructing sewer in private way off Dover Street .	52.97	
Willard B. Bryne, constructing sewer in Broadway .	5,330.65	
Willard B. Bryne, constructing sewer in Billingham Street . . . . .	786.92	
<i>Amounts carried forward</i> .	\$26,105.62	\$38,502.02



<i>Amounts brought forward</i> .	\$26,105.62	\$38,502.05
Willard B. Bryne, constructing sewer in Chandler Street	217.21	
Willard B. Bryne, constructing sewer in Willow Avenue	803.40	
Changing catch basins .	11.25	
Christopher Burke, constructing sewer in Billingham Street . . . . .	569.03	
Christopher Burke, constructing sewer in Broadway, Paulina Street and Liberty Avenue . . . . .	750.00	
Christopher Burke, constructing sewer in Kenwood Street	590.40	
Christopher Burke, constructing sewer in Summit Street	499.12	
Richard Falvey, constructing sewer in Elm Street . . . . .	1,428.98	
Richard Falvey, constructing sewer in Banks Street . . . . .	343.33	
Richard Falvey, constructing sewer in Melvin Street . . . . .	190.57	
Richard Falvey, constructing sewer in Winslow Avenue	87.19	
Charles A. Mongan, constructing sewer in Broadway	1,567.76	
Charles A. Mongan, constructing sewer in Summer Street . . . . .	646.98	
Charles A. Mongan, constructing sewer in Tower Street . . . . .	448.40	
Charles A. Mongan, constructing sewer in Vinal Avenue . . . . .	48.00	
<i>Amounts carried forward</i> .	<u>\$34,307.24</u>	<u>\$38,502.05</u>

<i>Amounts brought forward</i> .	\$34,307.24	\$38,502.05
Charles A. Mongan, constructing sewer in York Terrace . . . .	204.61	
Charles A. Mongan, constructing sewer in Richdale Avenue . . . .	112.49	
Charles A. Mongan, constructing sewer in Cambria Street . . . .	111.30	
Charles A. Mongan, constructing sewer in Appleton and Beech Streets . . .	49.64	
Charles A. Mongan, constructing sewer in Benton Avenue . . . .	507.11	
Hervey A. Hanscom, constructing sewer in Lawrence Street . . . .	110.60	
Hervey A. Hanscom, constructing sewer in School Street . . . .	126.27	
Hervey A. Hanscom, constructing sewer in private land, Lowell, Woodbine and Centre Streets . . .	569.29	
Hervey A. Hanscom, constructing sewer in West Street . . . .	231.16	
Maurice Buttimer, constructing Sewer in Winslow Avenue . . . .	54.04	
Charles Linehan, constructing Sewer in Granite Street	764.46	
Sewers Construction account, labor . . . .	18.25	
<i>Amounts carried forward</i> .	<u>\$37,166.46</u>	<u>\$38,502.05</u>

<i>Amounts brought forward</i> . . . . .	\$37,166.46	\$38,502.05
Water Maintenance account, labor . . . . .	4.45	
Nathan Tufts Park account, labor . . . . .	52.12	
Sewer Assessments, abate- ments . . . . .	229.86	
Willard B. Bryne, construct- ing Sewer in Wallace Street . . . . .	209.06	
Charles A. Mongan, con- structing Sewer in Harvard Street . . . . .	99.14	
	<hr/>	
Expenditures, con- struction . . . \$30,787.78		
Expenditures, main- tenance. . . . 6,973.31		
	<hr/>	
	\$37,761.09	
Balance to credit of construc- tion account, in 1894 . . . . .	256.75	
Excess and Deficiency balance to credit of account . . . . .	484.21	
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		<u>\$38,502.05</u>

SEWER ASSESSMENTS.

CREDIT.

Cash, received of sundry persons	\$12,249.98	
Sewers, sundry persons, abatements . . . . .	229.86	
Balance to debit in account 1894	9,833.92	
	<hr/>	
		\$22,313.76

DEBIT.

Balance from 1892 . . . . .	\$5,143.96	
Sewers, assessments levied . . . . .	17,169.80	
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		<u>\$22,313.76</u>

## SIDEWALKS.

## CREDIT.

Appropriations, amount assessed . . . .	10,000.00
Cash, received of Highways account, bricks . . . .	51.35
Sidewalks, assessments levied . . . .	9,583.68
	<hr/>
	\$19,635.03

## DEBIT.

Cash, paid laborers . . . .	4,102.38
N. M. Cofran & Co., bricks . . . .	3,701.88
W. A. Sanborn, bricks . . . .	2,710.80
Boston Consolidated Brick Co., bricks . . . .	819.00
William R. Maxwell, bricks . . . .	304.00
Jeremiah McCarthy, edge- stones . . . .	2,712.43
Heirs of Jeremiah McCarthy, edgestones . . . .	2,915.24
Geo. F. McKenna, teaming . . . .	15.00
T. F. Crimmings, teaming . . . .	5.00
Christopher Burke, teaming . . . .	5.00
Edward Grant, teaming . . . .	5.00
Citizen Publishing Co., ad- vertising . . . .	141.00
Somerville Journal Co., ad- vertising . . . .	122.00
Thomas Groom & Co., books . . . .	26.00
Highways account, material, etc. . . . .	1,721.15
Sewers Construction account, labor and materials . . . .	45.12
Sidewalk Assessments ac- count, abatements . . . .	58.54
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	19,409.54
Excess and Deficiency, bal- ance to credit of account . . . .	225.49
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	<u>\$19,635.03</u>

SIDEWALK ASSESSMENTS.

CREDIT.

Cash, received of sundry persons . . . . .	\$10,461.02	
Sidewalks, assessments abated . . . . .	58.54	
Balance to debt in account 1894 . . . . .	4,635.12	
	<u>          </u>	\$15,154.68

DEBIT.

Balance from 1892 . . . . .	\$5,571.00	
Sidewalks, assessments levied . . . . .	9,583.68	
	<u>          </u>	<u>\$15,154.68</u>

STATE AID.

CREDIT.

State of Massachusetts, amount paid in 1893 charged to State . . . . .		\$6,732.00
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DEBIT.

Cash, paid monthly pay rolls . . . . .		<u>\$6,732.00</u>
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STATE OF MASSACHUSETTS.

CREDIT.

Appropriations, amount assessed . . . . .		\$39,225.00
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DEBIT.

Cash, paid State Treasurer, State tax . . . . .		<u>\$39,225.00</u>
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STATE OF MASSACHUSETTS, METROPOLITAN  
SEWER.

CREDIT.

Appropriations, amount assessed . . . . .		\$7,996.50
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DEBIT.

Cash, paid State Treasurer. assessment of 1893 . . . . .		<u>\$7,996.50</u>
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## STATE OF MASSACHUSETTS, NON-RESIDENT BANK STOCK.

## CREDIT.

Appropriations, amount assessed . . . . .	\$819.95
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## DEBIT.

Cash, paid State Treasurer, amount collected on non-resident stock . . . . .	\$819.95
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## STATE OF MASSACHUSETTS, BURIAL OF INDIGENT SOLDIERS AND SAILORS.

## CREDIT.

Cash, received of State for burials in 1892 . . . . .	\$140.00
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Balance, Dec. 31, 1893, due from State, Dec. 10, 1894 . . . . .	35.00
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\$175.00
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## DEBIT.

Balance from 1892 . . . . .	\$175.00
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## STATE OF MASSACHUSETTS, INDIGENT SOLDIERS AND SAILORS.

## CRÉDIT.

Cash, received of State Treasurer . . . . .	\$587.00
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Balance, Dec. 31, 1893, due from State, Dec. 10, 1894 . . . . .	360.50
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\$947.50
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## DEBIT.

Balance from 1892 . . . . .	\$573.00
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Indigent Soldiers and Sailors, one-half of amount paid in 1893 . . . . .	374.50
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\$947.50
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STATE OF MASSACHUSETTS, STATE AID.

CREDIT.

Cash, received of State Treasurer . . . . .	\$6,789.50
Balance, Dec. 31, 1893, due from State Dec. 10, 1894 . . . . .	6,612.00
	<hr/>
	\$13,401.50

DEBIT.

Balance from 1892 . . . . .	\$6,669.50
State Aid, amount paid in 1893 . . . . .	6,732.00
	<hr/>
	\$13,401.50

STREET LIGHTS.

CREDIT.

Appropriations, amount assessed . . . . .	\$42,000.00
Cash, received of Frank Timney, old iron . . . . .	8.33
	<hr/>
	\$42,008.33

DEBIT.

Cash, paid Somerville Electric Light Co., lighting . . . . .	\$39,305.55
Changing lights, etc. . . . .	22.41
Wheeler Reflector Co., light- ing . . . . .	39.45
Charles A. Southwick, re- moving posts . . . . .	18.38
M. G. Staples, removing posts . . . . .	11.00
Patrick O'Connell, removing posts . . . . .	4.24
Frederick A. Chandler, re- moving posts . . . . .	1.50
	<hr/>
	\$39,402.54
Excess and Deficiency bal- ance to credit of account . . . . .	2,605.79
	<hr/>
	\$42,008.33

## SUNDRY PERSONS.

## CREDIT.

Balance from 1892 . . . . .	\$450.10
Interest, coupons not paid . . . . .	400.00
Water Loan Interest, coupons not paid . . . . .	272.00
	<hr/>
	\$1,122.60

## DEBIT.

Cash, paid sundry persons, amounts due them . . . . .	\$315.00
Water Loan Interest, coupon . . . . .	20.00
Balance to debit in account 1894 . . . . .	787.60
	<hr/>
	<u>\$1,122.60</u>

## SUPPORT OF POOR.

## CREDIT.

Appropriations, amount assessed . . . . .	\$14,000.00
Cash, received for support of paupers:—	
Of State of Massachusetts . . . . .	\$731.45
Of City of Boston . . . . .	245.21
Of City of Cambridge . . . . .	97.95
Of City of Lowell . . . . .	11.25
Of City of Lawrence . . . . .	20.55
Of City of Malden . . . . .	12.05
Of City of Newburyport . . . . .	11.78
Of City of Waltham . . . . .	60.00
Of City of Woburn . . . . .	10.00
Of City of Medford . . . . .	4.00
Of Town of Canton . . . . .	108.15
Of Town of Lexington . . . . .	97.50
Of Town of Melrose . . . . .	26.74
Of Town of North Adams . . . . .	5.60
Of Town of North And- over . . . . .	28.33
	<hr/>
<i>Amounts carried forward . . . . .</i>	<u>\$1,470.56</u>
	<hr/>
	\$14,000.00



<i>Amounts brought forward</i> . . . . .	\$1,470.56	\$14,000 00
Of Town of Revere . . . . .	81.70	
Of Town of Sandwich . . . . .	2.00	
Of Town of Stoneham . . . . .	52.16	
Of Town of Wakefield . . . . .	17.72	
Of State of Massachusetts, burials . . . . .	90.00	
John C. Harris, aid furnished . . . . .	42.71	
Mrs. Charles W. Hodge, aid furnished . . . . .	102.43	
S. A. Collison, guardian, aid furnished . . . . .	195.92	
Mary R. Hamlet, aid fur- nished . . . . .	135.21	
Frank W. Kaan, guardian, aid furnished . . . . .	126.74	
Margaret Plant, money not called for . . . . .	12.00	
Charles Heath, money not called for . . . . .	10.00	
James C. Fitzgerald, discount on bill . . . . .	.20	
	<hr/>	\$2,339.35
Excess and Deficiency, balance to debit of account . . . . .		1,460.23
		<hr/>
		\$17,799.58

DEBIT.

Cash, paid Commonwealth of Massa- chusetts for support of paupers . . . . .	\$958.30	
Massachusetts School for the Feeble-minded . . . . .	508.29	
Massachusetts Hospital for Dipsomaniacs, etc. . . . .	99.82	
Worcester Lunatic Hospital . . . . .	2,803.78	
	<hr/>	
<i>Amounts carried forward</i> . . . . .	\$4,370.19	\$17,799.58

<i>Amounts brought forward</i> .	\$4,370.19	\$17,799.58
Worcester Insane Asylum .	784.61	
Westboro Insane Hospital .	767.93	
Taunton Lunatic Hospital .	135.21	
House of the Angel Guardian	192.00	
Carney Hospital . . . .	322.29	
Danvers Lunatic Hospital .	1,186.23	
Boston Lunatic Hospital .	169.46	
Boston Lying-in Hospital .	20.00	
Somerville Hospital . . .	13.00	
John M. Fiske, master House of Correction . . . .	8.71	
City of Boston . . . .	853.15	
City of Cambridge . . . .	68.59	
City of Chelsea . . . .	4.50	
City of Everett . . . .	4.75	
City of Lawrence . . . .	4.00	
City of Malden . . . .	7.00	
City of Taunton . . . .	27.34	
City of Woburn . . . .	19.52	
City of Worcester . . . .	15.00	
Town of Chelmsford . . . .	114.94	
Town of Raynham . . . .	104.00	
Town of Revere . . . .	207.74	
James Ambrose, rent . . . .	84.00	
Sarah Blake, rent . . . .	60.00	
Eliza J. Bullock, rent . . . .	38.00	
Mary Burke, rent . . . .	72.00	
Michael Conlon, rent . . . .	72.00	
Ellen Driscoll, rent . . . .	48.00	
Julia Casey, rent . . . .	12.00	
E. H. Elliott, rent . . . .	54.00	
Thomas Flemming, rent . . . .	72.00	
Lydia H. Fisher, rent . . . .	51.72	
Edward A. Foster, rent . . . .	30.00	
Sarah Gill, rent . . . .	72.00	
<i>Amounts carried forward</i> .	\$10,065.88	\$17,799.58

<i>Amounts brought forward</i>	\$10,065.88	\$17,799.58
Bridget Maher, rent	60.00	
John Murphey, rent	63.00	
Daniel Morrison, rent	56.00	
Elizabeth Morrison, rent	7.00	
Andrew Maloney, rent	39.00	
John Magonigle, rent	54.00	
Maurice Ferry, rent	60.00	
E. A. Viles, Exr., rent	69.00	
Morris Barry, board	104.30	
Catherine Cronin, board	96.00	
George Clapp, board	126.75	
Preston Cheney, board	126.75	
C. H. Dunbar, board	117.00	
Philip Eberle, board	104.00	
Ann Eagan, board	20.53	
Ann Kelley, board	104.30	
Mary Mahoney, board	90.88	
Hannah M. Mayo, board	169.45	
Ellen M. O'Donnell, board	104.30	
Margaret Plant, board	16.00	
William R. Priest, board	76.41	
Hannah Remick, board	130.33	
Catherine Ruth, board	12.00	
Mary Riley, board	8.00	
Datie G. Sawin, board	69.86	
Elizabeth Trainer, board	22.86	
Charlotte Towle, board	11.14	
C. J. Thornquist, board	18.00	
Annie Whittier, board	22.15	
Isabella Mahood, nursing	8.00	
J. R. Parkin, nursing	5.14	
Charles S. Butters, groceries and provisions	170.30	
Sawyer & Read, groceries and provisions	534.50	
<i>Amounts carried forward</i>	\$12,742.83	\$17,799.58

<i>Amounts brought forward</i> .	\$12,742.83	\$17,799.58
William S. Ward, groceries and provisions . . . .	490.00	
Sturtevant Brothers, groceries and provisions . . . .	194.50	
A. F. Carpenter, groceries and provisions . . . .	127.00	
D. E. Watson, groceries and provisions . . . .	134.00	
J. A. Litchfield, groceries and provisions . . . .	158.23	
Medford Street Market, gro- ceries and provisions . . .	106.25	
A. Munroe, groceries and provisions . . . .	96.00	
R. T. Barr, groceries and provisions . . . .	111.50	
Ernest H. Rowe, assignee, groceries and provisions	30.00	
H. E. Rand, groceries and provisions . . . .	136.00	
Christopher Brothers, gro- ceries and provisions . . .	15.00	
J. Canavan & Son, groceries and provisions . . . .	60.00	
W. P. Blanchard, groceries and provisions . . . .	28.00	
F. H. Turner, groceries and provisions . . . .	5.69	
C. A. Small, groceries and provisions . . . .	59.50	
E. R. Lowell, groceries and provisions . . . .	22.00	
Knight's Market, groceries and provisions . . . .	9.00	
A. Fiske, crackers . . . .	27.08	
<i>Amounts carried forward</i> .	<u>\$14,552.58</u>	<u>\$17,799.58</u>

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 193

<i>Amounts brought forward</i> .	\$14,552.58	\$17,799.58
Henry Gray, milk . . . .	11.74	
J. M. Hager, milk . . . .	4.48	
Horatio Wellington & Co., fuel . . . . .	708.82	
W. M. Trickey, fuel . . . .	7.00	
J. H. Mongan, boots and shoes . . . . .	17.00	
Philip Eberle, boots and shoes. . . . .	102.45	
J. H. Brooks, dry goods . .	29.76	
The Jacob Brodie Co., dry goods . . . . .	5.00	
E. B. Bradshaw, dry goods	5.00	
Aaron R. Gay & Co., station- ery . . . . .	12.25	
Thomas Groom & Co., sta- tionery . . . . .	10.15	
Somerville Journal Co., printing . . . . .	42.75	
A. L. Haskell, printing . .	4.50	
Charles A. Holmes, plumb- ing . . . . .	86.19	
D. P. Bucknam, mason work	51.75	
Jackson Caldwell & Co., fur- niture . . . . .	6.00	
F. H. Mixon, furniture . .	3.00	
Howard Lowell, carriage hire	25.00	
L. H. Brown, carriage hire .	19.50	
James T. Fitzgerald, carriage hire . . . . .	2.20	
A. M. Prescott, teaming . .	1.00	
Alfred E. Mann, services as undertaker . . . . .	71.00	
William A. Flaherty, services as undertaker . . . . .	55.00	
<i>Amounts carried forward</i> .	\$15,834.12	\$17,799.58

<i>Amounts brought forward</i> . . . . .	\$15,834.12	\$17,799.58
P. H. Rafferty, services as undertaker . . . . .	40.00	
William L. Lockhart, services as undertaker . . . . .	12.00	
E. H. Marsh, services as undertaker . . . . .	15.00	
C. C. Folsom, salary as agent . . . . .	1,541.67	
C. C. Folsom, disbursements . . . . .	148.46	
C. F. Lewis, salary as secretary . . . . .	208.33	
	<hr/>	<hr/>
		\$17,799.58

## TAXES.

## CREDIT.

Cash, received for taxes of 1889 . . . . .	\$68.20	
“ “ “ “ 1890 . . . . .	331.30	
“ “ “ “ 1891 . . . . .	24,753.60	
“ “ “ “ 1892 . . . . .	93,963.25	
“ “ “ “ 1893 . . . . .	482,792.10	
	<hr/>	<hr/>
		\$601,908.45

## Overlay and Abatement:—

Abatements on taxes of 1890 . . . . .	\$43.10	
“ “ “ “ 1891 . . . . .	370.30	
“ “ “ “ 1892 . . . . .	922.75	
“ “ “ “ 1893 . . . . .	5,104.25	
	<hr/>	<hr/>
		\$6,440.40

## Balance to debit in account 1894:—

Being uncollected taxes of 1889 . . . . .	\$89.00	
“ “ “ “ 1890 . . . . .	12,829.80	
“ “ “ “ 1891 . . . . .	5,568.00	
“ “ “ “ 1892 . . . . .	40,464.50	
“ “ “ “ 1893 . . . . .	187,990.45	
	<hr/>	<hr/>
		246,941.75

<i>Amount brought forward</i> . . . . .		<hr/>
		\$855,290.60

*Amount brought forward* . . . . . \$855,209.60

DEBIT.

Balance from 1892 . . . . .	\$179,403.80	
Appropriations, amount assessed for current expenses . . . . .	585,500.00	
State of Massachusetts, amount assessed for State Tax . . . . .	39,225.00	
State of Massachusetts, amount assessed for Metro- politan sewer . . . . .	7,996.50	
State of Massachusetts, amount assessed on non- resident National Bank stock	819.95	
County of Middlesex, amount assessed for county tax . . . . .	32,029.82	
Overlay and Abatement, amount added by the asses- sors . . . . .	10,315.53	
	<hr/>	<u>\$855,290.60</u>

TEMPORARY LOANS.

CREDIT.

Balance from 1892 . . . . .		\$228,000.00
Cash, borrowed by authority of the City Council on city notes, as follows, viz :—		
Commonwealth of Massachu- setts, six months, at 4 per cent. . . . .	\$25,000.00	
Brewster, Cobb & Estabrook, five months, at 5 per cent. . . . .	25,000.00	
First Congregational Society, demand at 4 per cent. . . . .	33,000.00	
Estate of J. Putnam Bradlee, six months at 5 per cent. . . . .	75,000.00	
	<hr/>	<hr/>
<i>Amounts carried forward</i> . . . . .	\$158,000.00	\$228,000.00

<i>Amounts brought forward</i>	\$158,000.00	\$228,000.00
Estate of J. Putnam Bradlee, six months at $5\frac{1}{2}$ per cent.	15,000.00	
T. I. Reed, four months at 6 per cent.	3,000.00	
Blake Brothers & Co., four months at 6 per cent.	5,000.00	
Estate of J. Putnam Bradlee, four months at 6 per cent.	20,000.00	
Charles Trull, four months at 6 per cent.	7,500.00	
R. D. Wood & Co., four months at 6 per cent.	7,000.00	
Blake Brothers & Co., eight months at 6 per cent.	5,000.00	
Blake Brothers & Co., twelve months at 6 per cent.	10,000.00	
Heirs of Samuel Knight, four months at 6 per cent.	3,193.09	
Thomas I. Reed, four months at 6 per cent.	3,000.00	
Blake Brothers & Co., twelve months at 6 per cent.	1,000.00	
Blake Brothers & Co., twelve months, at 6 per cent.	1,000.00	
G. T. Burnham, six months, at at 6 per cent.	1,500.00	
Blake Brothers & Co., twelve months, at 6 per cent.	1,000.00	
Blake Brothers & Co., twelve months, at 6 per cent.	1,000.00	
Blake Brothers & Co., twelve months, at 6 per cent.	3,000.00	
Blake Brothers & Co., twelve months, at 6 per cent.	10,000.00	
<i>Amounts carried forward</i>	\$255,193.09	\$228,000.00



<i>Amounts brought forward</i> .	\$255,193.09	\$228,000.00
Blake Brothers & Co., twelve months, at 6 per cent. .	2,500.00	
Blake Brothers & Co., twelve months, at 6 per cent. .	1,000.00	
Henry E. Wright, four months, at 6 per cent. . .	1,000.00	
W. Irving Heald, nine months, at 6 per cent. .	2,000.00	
Charles A. Skinner, eight months, at 6 per cent. .	1,000.00	
Lavinia W. Smith, eight months, at 6 per cent. .	800.00	
Blake Brothers & Co., five months, twenty-one days, at 6 per cent. . . . .	50,000.00	
Blake Brothers & Co., twelve months, at 6 per cent. .	4,000.00	
Somerville Co-operative Bank, twelve months, at 6 per cent.	10,000.00	
Margaret Lawson, twelve months, at 6 per cent. .	1,500.00	
Blake Brothers & Co., four months, at 5½ per cent. .	30,000.00	
Blake Brothers & Co., four months, at 5½ per cent .	20,000.00	
William H. Gore, four months, at 6 per cent. .	3,369.70	
Blake Brothers & Co., twelve months, at 6 per cent. .	10,000.00	
James G. Morrison, four months, at 6 per cent. .	2,970.83	
Mary Langmaid, six months, at 6 per cent. . . . .	4,000.00	
Somerville National Bank, four months, at 6 per cent.	5,000.00	
<i>Amounts carried forward</i> .	<u>\$404,333.62</u>	<u>\$228,000.00</u>

<i>Amounts brought forward</i>	\$404,333.62	\$228,000.00
Rockport Granite Co., four months, at 6 per cent.	3,000.00	
Joseph J. Giles, four months, at 6 per cent.	1,000.00	
Sylvester Richards, four months, at 6 per cent.	3,000.00	
Somerville Journal Co., four months, at 6 per cent.	1,000.00	
George W. York, four months, at 6 per cent.	1,000.00	
Thomas Spelman, four months, at 6 per cent.	4,000.00	
Mary G. Palmer, four months, at 6 per cent.	5,000.00	
Evelina C. Stone, four months, at 6 per cent.	500.00	
F. DeWitt Lapham, four months, at 6 per cent.	1,500.00	
Jane M. Rubel, four months, at 6 per cent.	1,000.00	
James Cotter, four months, at 6 per cent.	500.00	
Blake Brothers & Co., twelve months, at 6 per cent.	1,000.00	
Blake Brothers & Co., twelve months, at 6 per cent.	1,000.00	
Estate of William C. High, six months, at 6 per cent.	1,600.00	
M. D. Jones, four months at 6 per cent.	500.00	
E. Isolia Norwood, six months, at 6 per cent.	2,000.00	
Stephen Warren, four months, at 6 per cent.	500.00	
Gilmore & Haigh, three months, at 6 per cent.	2,500.00	
<i>Amounts carried forward</i>	\$434,933.62	\$228,000.00

<i>Amounts brought forward</i>	\$434,933.62	\$228,000.00
John Haigh, three months, at 6 per cent.	500.00	
Blake Brothers & Co., twelve months, at 6 per cent.	5,000.00	
Blake Brothers & Co., twelve months, at 6 per cent.	1,000.00	
Blake Brothers & Co., twelve months, at 6 per cent.	1,000.00	
Annie W. McLean, four months, at 6 per cent.	500.00	
Estate of M. Hutchinson, twelve months, at 6 per cent.	1,900.00	
George A. Hull, six months at 6 per cent.	1,000.00	
Anna B. Taylor, four months, at 6 per cent.	500.00	
Blake Brothers & Co., twelve months, at 6 per cent.	1,000.00	
Somerville National Bank, four months, at 6 per cent.	5,000.00	
Joseph A. Talpey, four months, at 6 per cent.	500.00	
	<hr/>	\$452,833.62
		<hr/>
		\$680,833.62

DEBIT.

Cash, paid as follows:—

First Congregational Society, on account of note dated May 22, 1893	\$1,000.00	
Brewster, Cobb & Estabrook, note No. 348	25,000.00	
	<hr/>	<hr/>
<i>Amounts carried forward</i>	\$26,000.00	\$680,833.62

<i>Amounts brought forward</i> .	\$26,000.00	\$680,833.62
Blake Brothers & Co., note No. 1,324 . . . . .	78,000.00	
Commonwealth of Massachu- setts, note No. 344 . . . . .	50,000.00	
Commonwealth of Massachu- setts, note No. 345 , . . . .	40,000.00	
Commonwealth of Massachu- setts, note No. 346 . . . . .	60,000.00	
Commonwealth of Massachu- setts, note No. 347 . . . . .	25,000.00	
Blake Brothers & Co., note No. 352 . . . . .	5,000.00	
Thomas I. Reed, note No. 353 . . . . .	3,000.00	
Estate of J. Putnam Bradlee, note No. 354 . . . . .	20,000.00	
Charles Trull, note No. 355 .	7,500.00	
R. D. Wood & Co., note No. 356 . . . . .	7,000.00	
Heirs of Samuel Knight, note No. 358 . . . . .	3,193.09	
Thomas I. Reed, note No. 361 . . . . .	3,000.00	
Gilmore & Haigh, note No. 388 . . . . .	2,500.00	
John Haigh, note No. 389 .	500.00	
Estate of J. Putnam Bradlee, note No. 350 . . . . .	75,000.00	
Estate of J. Putnam Bradlee, note No. 351 . . . . .	15,000.00	
Wm. H. Gore, note No. 359	3,369.70	
James G. Morrison, note No. 363 . . . . .	2,970.83	
Somerville National Bank, note No. 365 . . . . .	5,000.00	
<i>Amounts carried forward</i> .	\$432,033.62	\$680,833.62

<i>Amounts brought forward</i>	\$432,033.62	\$680,833.62
Rockport Granite Co., note No. 366 . . . . .	3,000.00	
Joseph J. Giles, note No. 368 . . . . .	1,000.00	
Sylvester Richards, note No. 369 . . . . .	3,000.00	
Somerville Journal Co., note No. 370 . . . . .	1,000.00	
George W. York, note No. 371 . . . . .	1,000.00	
Thomas Spelman, note No. 372 . . . . .	4,000.00	
M. G. Palmer, note No. 373	5,000.00	
F. DeWitt Lapham, note No. 376 . . . . .	1,500.00	
Joseph A. Talpey, note No. 377 . . . . .	500.00	
Evelina C. Stone, note No. 379 . . . . .	500.00	
Jane M. Rubel, note No. 380 . . . . .	1,000.00	
M. D. Jones, note No. 381 .	500.00	
James Cotter, note No. 382 .	500.00	
Stephen Warren, note No. 385 . . . . .	500.00	
Annie W. McLean, note No. 390 . . . . .	500.00	
Anna B. Taylor, note No. 393 . . . . .	500.00	
Somerville National Bank, note No. 395 . . . . .	5,000.00	
	<hr/>	
	\$461,033.62	
Balance to credit in account 1894 . . . . .	219,800.00	
	<hr/>	
		<u>\$680,833.62</u>

## WATER LOAN INTEREST.

## CREDIT.

Cash, received of City of Boston, water rates . . .		\$16,205.00
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## DEBIT.

Cash, paid on Water Loan Debt :—		
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\$259,000, one year, at 4 per cent. . . . .	\$10,360.00	
\$1,000, six months at 4 per cent. . . . .	20.00	
\$105,500, one year at 5 per cent. . . . .	5,275.00	
\$10,000, one year at 5½ per cent. . . . .	550.00	

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	\$16,205.00	
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Less coupons unpaid . . . . .	272.50	
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	\$15,932.50	
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Sundry persons, coupons unpaid . . . . .	272.50	
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		\$16,205.00
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## WATER MAINTENANCE.

## CREDIT.

Balance from 1892 . . . . .		\$1,083.93
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Cash, received of City of Boston water rates, amount appropriated . . . . .		25,000.00
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Dudley F. Hunt and Edward F. Eaton, et. al., use of pipe as per contract . . . . .	\$46.50	
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North Packing & Provision Co., pipe, fittings and labor . . . . .	15.35	
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<i>Amounts carried forward</i> . . . . .	\$61.85	\$26,083.93
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<i>Amounts brought forward</i> . . . . .	\$61.85	\$26,083.93
New England Dressed Meat & Wool Co., pipe, fittings, etc. . . . .	4.10	
Metropolitan Sewerage Commission, pipe, fittings, etc. . . . .	23.29	
Cricket Club, pipe, fittings, etc. . . . .	20.81	
Boston & Maine Railroad, fittings, etc. . . . .	1.00	
Somerville Electric Light Co., damage to pipe . . . . .	5.00	
Town of Winchester, clamps . . . . .	17.00	
L. W. Dow, manure . . . . .	12.00	
Fire Department account, filling pond . . . . .	10.64	
Nathan Tufts Park account, labor . . . . .	43.89	
Sewers Maintenance account, labor . . . . .	4.45	
Water Services, transferred . . . . .	1,401.54	
	<hr/>	\$1,605.57
Excess and Deficiency, balance to debit of account in 1894 . . . . .		596.67
		<hr/>
		\$28,286.17

DEBIT.

Cash, paid laborers . . . . .	\$16,280.34	
Nathaniel Dennett, salary as superintendent . . . . .	1,500.00	
Disbursements . . . . .	55.47	
Frank E. Merrill, salary as clerk . . . . .	900.00	
Desk . . . . .	35.00	
	<hr/>	
<i>Amounts carried forward</i> . . . . .	\$18,770.81	\$28,286.17

<i>Amounts brought forward</i> .	\$18,770.81	\$28,286.17
Sidney E. Hayden, salary as engineer . . . . .	1,100.00	
Fulton O'Brion, grain and hay . . . . .	352.52	
Proctor Brothers, grain and hay . . . . .	24.00	
Powers & Co., grain and hay	45.07	
Seward Dodge, blacksmithing	143.23	
F. Dooris, blacksmithing . .	69.91	
F. Dooris & Son, blacksmith- ing . . . . .	11.25	
Charles Maguire, blacksmith- ing . . . . .	67.50	
Edward O'Brien, blacksmith- ing . . . . .	12.38	
T. O'Keefe, blacksmithing . .	8.90	
Miller & Shaw, blacksmith- ing . . . . .	27.26	
E. Spalding, harness work . .	117.11	
D. J. Bennett, harness work	21.75	
George W. Trefren, Jr., car- pentering . . . . .	82.97	
J. C. Snow, carpentering . .	602.15	
John R. Thompson, carpen- tering . . . . .	16.99	
L. C. Seavey, roofing . . . .	4.74	
S. W. Fuller, lumber . . . .	133.04	
A. A. Elston, lumber . . . .	24.19	
I. H. Brown & Co., lumber	7.95	
John M. Woods & Co., lum- ber . . . . .	7.05	
Whitney & Snow, hardware	68.08	
Howe & Flint, hardware	56.27	
Charles A. Holmes, hard- ware . . . . .	41.98	
<i>Amounts carried forward</i> .	<u>\$21,817.10</u>	<u>\$28,286.17</u>



<i>Amounts brought forward</i> .	\$21,817.10	\$28,286.17
W. E. Plumer, hardware	13.70	
W. I. Heald, hardware .	13.25	
R. T. Barr, hardware ,	8.24	
Perrin, Seamans & Co., tools	178.15	
Walworth Manfg. Co., tools	121.67	
G. W. Barnes, tools . . .	20.72	
Burrill & Dutton, tools .	36.00	
Chapman Valve Manfg. Co., tools . . . . .	26.15	
Crescent Tool Co., tools .	6.35	
Burditt & Williams, tools .	4.75	
H. H. Harvey, steel . . .	6.64	
Boston Lead Manfg. Co., lead . . . . .	7.00	
Boston Bolt Co., bolts . . .	28.97	
Star Brass Manfg. Co., gages	22.12	
Sunner & Goodwin, fittings	10.59	
Somerville Iron Foundry Co., castings . . . . .	22.33	
E. B. Badger & Son, castings	2.00	
Osgood & Hart, castings .	51.11	
Andrew J. Morse & Son, clamps . . . . .	16.00	
Vose & Cutler Manfg. Co., iron	5.00	
H. W. Covell, plumbing .	17.45	
Richard Dowd, plumbing	22.50	
William B. Holmes, plumb- ing . . . . .	3.25	
J. B. Dupont, plumbing	1.75	
Frank W. Leavitt, repairing wagons . . . . .	111.00	
Charles L. Underhill, repair- ing wagons . . . . .	80.80	
Union Square Carriage Co., repairing wagons . . .	5.00	
<i>Amounts carried forward</i> .	\$22,659.59	\$28,286.17

<i>Amounts brought forward</i> .	\$22,659.59	\$28,286.17
Lord & Brigham, repairing wagons . . . . .	5.40	
H. D. Brown, repairing sleigh . . . . .	4.40	
P. J. Faunce, painting sleigh . . . . .	8.00	
Sewall & Day Cordage Co., oakum . . . . .	11.25	
J. Baker & Co., marline	2.50	
Wadsworth, Howland & Co., paint . . . . .	11.06	
George H. Sampson, forcite	13.43	
McDormand, Warner & Co., ladder . . . . .	4.05	
W. A. Morrison, packing	35.40	
J. H. H. McNamee, binding	6.65	
J. E. Herrick, cement . . . .	4.00	
Waldo Brothers, cement . . . .	28.00	
George D. Goodrich, drain pipe . . . . .	1.35	
Brintnall & Osgood, paper hanging . . . . .	5.54	
Clarence G. Reed, white- washing . . . . .	14.63	
J. Q. Twombly, glazing . . . .	8.00	
Henry R. Worthington, re- pairs of pump . . . . .	25.90	
John P. Clisby, painting pump . . . . .	13.00	
Boston Belting Co., hose	64.70	
Boston Woven Hose & Rub- ber Co., hose . . . . .	26.40	
T. F. Reardon, barrels . . . .	3.00	
Jackson Caldwell & Co., carpet . . . . .	5.00	
<i>Amounts carried forward</i> .	\$22,961.25	\$28,286.17

<i>Amounts brought forward</i> . . . . .	\$22,961.25	\$28,286.17
F. H. Mixon, chair . . . . .	2.50	
J. H. Brooks, dry goods . . . . .	2.00	
Daniel Crocker, repairing clocks . . . . .	7.00	
E. S. Conant & Co., salt . . . . .	27.00	
Cutler Brothers & Co., soda . . . . .	16.49	
James Bartley, meal . . . . .	9.86	
J. A. Litchfield, drinking cups . . . . .	1.00	
Rufus W. Clark, polish . . . . .	2.00	
Samuel Walker Oil Co., oil . . . . .	27.75	
William F. Low, oil . . . . .	25.88	
Alden Speare's Sons & Co., oil . . . . .	7.80	
Chmax Gasoline Co., naphtha . . . . .	.75	
Elias Lathrop, ointment . . . . .	2.00	
F. W. Barry, Beale & Co., stationery . . . . .	35.60	
Thomas Groom & Co., sta- tionery . . . . .	42.20	
Somerville Journal Co., sta- tionery . . . . .	3.50	
W. A. Greenough & Co., directories . . . . .	5.00	
W. M. Belcher, ribbon . . . . .	2.55	
A. J. Wilkinson & Co., hard- ware. . . . .	2.20	
City of Boston, water . . . . .	16.80	
Cambridge Gas Light Co., gas . . . . .	42.27	
Somerville Electric Light Co., lighting . . . . .	51.43	
Globe Gas Light Co., torches . . . . .	20.25	
New England Telephone and and Telegraph Co., rentals and tolls . . . . .	295.15	
<i>Amounts carried forward</i> . . . . .	\$23,610.23	\$28,286.17

<i>Amounts brought forward</i> .	\$23,610.23	\$28,286.17
H. S. Garcelon, use of tele- phone . . . . .	6.95	
Horatio Wellington & Co., fuel . . . . .	717.78	
Baker, Hunnewell Co., fuel .	398.00	
J. A. Porter & Co., fuel .	64.00	
B. F. Wild & Co., fuel .	28.15	
J. McCarthy's Sons, charcoal	3.10	
Jaques Brothers, patterns .	76.11	
Fred Burroughs, wood .	30.00	
George W. Prichard, team- ing . . . . .	107.50	
George F. McKenna, team- ing . . . . .	206.25	
T. F. Crimmings, teaming .	56.00	
Daniel E. Hoar, Jr., teaming	15.00	
Horse . . . . .	150.00	
Esau Cooper, horse . . .	200.00	
R. C. Knowles, wagon .	100.00	
James Woodward, wagon jack . . . . .	2.75	
L. H. Brown, use of wagon .	11.50	
Charles R. Simpson, veteri- nary services . . . . .	28.00	
Philip Eberle, rubber boots .	9.75	
S. J. Wood, repairing locks .	5.10	
M. E. Flynn, labor . . .	4.00	
Fitchburg Railroad Co., labor . . . . .	5.85	
E. S. Ritchie, labor . . .	10.85	
Fred Grant & Co., expressing	64.75	
Charles E. Farnham, express- ing . . . . .	.90	
E. R. Perham, expressing .	.55	
Thorpe's Express, expressing	.90	
<i>Amounts carried forward</i> .	\$25,913.97	\$28,286.17

<i>Amounts brought forward</i> .	\$25,913.97	\$28,286.17
Crimmings & Collins, drain .	47.50	
Maggie C. Norwood, judgment of the court for damages . . . . .	2,274.70	
George Scribner, compensation for damages . . . . .	25.00	
Mary E. Russell, compensation for damages . . . . .	25.00	
	<hr/>	<u>\$28,286.17</u>

WATER SERVICES.

CREDIT.

Cash, received of H. Wellington & Co., pipe, fittings, etc. .	48.35
George D. Lamont, pipe, fittings, etc. . . . .	14.75
George W. Hadley, pipe, fittings, etc. . . . .	15.90
William Curtis, pipe, fittings, etc. . . . .	15.30
Reuben Willis, pipe, fittings, etc. . . . .	12.05
Merriam F. Vogler, pipe, fittings, etc. . . . .	24.80
E. O. Webster, pipe, fittings, etc. . . . .	12.50
S. E. Currier, pipe, fittings, etc. . . . .	22.05
G. W. Cummings, pipe, fittings, etc. . . . .	15.94
Sarah F. Ames, pipe, fittings, etc. . . . .	22.55
Christopher F. McGrath, pipe, fittings, etc. . . . .	19.75
	<hr/>
<i>Amount carried forward</i> .	\$223.94

<i>Amount brought forward</i> . . . . .	\$223.94	
Rebecca R. Briggs, pipe, fittings, etc. . . . .	35.38	
William C. Parker, pipe, fittings, etc. . . . .	17.60	
R. H. Hall, pipe, fittings, etc. . . . .	23.00	
Frederick Kelley, pipe, fittings, etc. . . . .	14.20	
Jas. Waters, pipe, fittings, etc. . . . .	15.30	
E. W. Doyle, pipe, fittings, etc. . . . .	19.20	
Chas. Nichols, pipe, fittings, etc. . . . .	18.90	
Kate Sullivan, pipe, fittings, etc. . . . .	7.45	
George B. Clark, pipe, fittings, etc. . . . .	9.88	
James F. Davlin, pipe, fittings, etc. . . . .	22.55	
James A. McLane, pipe, fittings, etc. . . . .	10.49	
Charles J. Hughes, pipe, fittings, etc. . . . .	11.03	
Thomas Cooney, pipe, fittings, etc. . . . .	3.25	
Fire Department account . . . . .	33.69	
Water Works Extension, error on laborers' pay roll . . . . .	412.07	
	<hr/>	
	\$877.93	
Water Service Assessments, cost of services laid . . . . .	6,706.62	
	<hr/>	\$7,584.55
DEBIT.		
Cash, paid laborers . . . . .	3,439.27	
Sumner & Goodwin, fittings . . . . .	637.27	
Perrin, Seamans & Co., fittings . . . . .	724.66	
	<hr/>	
<i>Amounts carried forward</i> . . . . .	\$4,801.20	\$7,584.55

<i>Amounts brought forward</i> . . . . .	\$4,801.20	\$7,584 55
Walworth Manufacturing Co., fittings . . . . .	236.12	
Geo. K. Paul & Co., fittings	86.00	
Smith & Anthony Co., fittings	19.00	
Boston Lead M'fg. Co., pipe	209.65	
Somerville Iron Foundry Co., castings . . . . .	399.09	
Chapman Valve Manufactur- ing Co., valves . . . . .	3.28	
Peet Valve Co., valves . . . . .	12.20	
George W. Barnes, tools . . . . .	9.40	
F. C. Fuller & Co., tools . . . . .	1.00	
Sylvester & Co., keys . . . . .	31.82	
Waldo Brothers, cement . . . . .	95.00	
Boston Belting Co., washers	3.42	
Chas. Maguire, blacksmithing	10.25	
Fulton O'Brien, grain . . . . .	51.78	
Proctor Brothers, grain . . . . .	22.50	
Charles A. Holmes, plumbing	2.00	
R. B. Baker, wagon . . . . .	50.00	
E. C. Swift, abatements of assessments . . . . .	139.30	
	<hr/>	
	\$6,183.01	
Water Maintenance, balance transferred . . . . .	1,401.54	
	<hr/>	
		<u>\$7,584.55</u>

WATER SERVICE ASSESSMENTS.

CREDIT.

Cash, received of sundry persons, water services . . . . .	\$6,907.72
Balance to debit in account 1894 . . . . .	1,520.90
	<hr/>
	\$8,428.62

DEBIT.

Balance from 1892 . . . . .	\$1,722.00
Water Services, pipes laid in 1893 . . . . .	6,706.62
	<hr/>
	<u>\$8,428.62</u>

## WATERING STREETS.

## CREDIT.

Appropriations, amount assessed . . . . .	\$6,000.00
Cash, received of abutters . . . . .	7,391.54
	<hr/>
	\$13,391.54

## DEBIT.

Cash, paid N. C. Barker, overseeing	\$610.50	
Christopher Burke, watering	418.05	
G. W. Cummings, watering	490.50	
Owen Cunningham, watering	445.95	
T. F. Crimmings, watering	396.45	
John Ducey, watering	433.35	
John F. Elkins, watering	410.40	
Richard Falvey, watering	433.80	
Martin Gill, watering	472.50	
Eugene Gormley, watering	359.55	
Henry Gray, watering	397.35	
George F. McKenna, watering	468.90	
Henry McAvoy, watering	487.80	
Jeremiah McCarthy, watering	199.80	
Heirs of Jeremiah McCarthy, watering	76.95	
William J. McCarthy, watering	104.40	
Philip McGovern, watering	396.00	
Geo. W. Prichard, watering	430.65	
A. M. Prescott, watering	581.75	
H. J. Turner, watering	382.50	
J. L. & H. K. Potter, watering carts	1,250.00	
Repairs of carts	11.09	
	<hr/>	
<i>Amounts carried forward</i>	\$9,258.24	\$13,391.54



<i>Amounts brought forward</i> .	\$9,258.24	\$13,391.54
Seward Dodge, repairing carts	115.85	
F. H. Flagg, repairing carts	27.00	
L. A. Wright, repairing carts	26.05	
D'Este & Seeley Co., repairing carts . . . . .	3.50	
William T. Philbrook, repairing carts . . . . .	8.00	
Charles W. Ingalls, repairing carts . . . . .	1.00	
David W. Crocker, repairing carts . . . . .	1.00	
Boston Woven Hose & Rubber Co., hose . . . . .	20.69	
H. W. Johns' Manfg Co., paint, etc. . . . .	66.30	
F. C. Fuller & Son, paint, etc.	26.13	
Howe & Flint, hardware . . . . .	1.75	
Franklin P. Cushing, painting carts . . . . .	46.25	
Fred E. Cushing, painting carts. . . . .	24.75	
H. W. Elkins, painting carts	73.75	
R. T. Dailey, painting carts	20.00	
Reuben Dailey, painting carts	28.75	
Charles Elkins, painting carts	20.00	
George North, labor . . . . .	1.50	
Charles L. Underhill, blacksmithing . . . . .	1.75	
R. T. Brown & Co., stencil	1.75	
Citizen Publishing Co., advertising . . . . .	17.00	
Somerville Journal Co., advertising . . . . .	4.50	
Thomas Groom & Co., book	.40	
City of Boston, water . . . . .	3,461.28	
<i>Amounts carried forward</i> .	\$13,257.19	\$13,391.54

<i>Amounts brought forward</i> .	\$13,257.19	\$13,391.54
E. R. Perham, expressing .	.75	
M. G. Staples, expressing .	1.00	
	<hr/>	
	\$13,258.94	
Excess and Deficiency, bal- ance to credit of account	132.60	
	<hr/>	
		<u>\$13,391.54</u>

## WATER WORKS EXTENSION.

## CREDIT.

Balance from 1892. . . . .		\$560.24
City of Boston water rates, amount appropriated . . . . .		35,000.00
Cash, received of N. E. Dressed Meat & Wool Co., pipe and fittings . . . . .	\$95.07	
Boston & Maine Railroad, pipe and fittings . . . . .	59.61	154.68
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		<u>\$35,714.92</u>

## DEBIT.

Cash, paid laborers . . . . .	\$3,843.98	
Osgood & Hart, castings . . . . .	553.64	
Davis & Farnum Manufac- turing Co., castings . . . . .	724.86	
Somerville Iron Foundry, cast- ings . . . . .	29.09	
R. D. Wood & Co., iron pipe . . . . .	19,912.68	
Mellert Foundry & Machine Co., iron pipe . . . . .	5,088.54	
Geo. K. Paul & Co., iron pipe . . . . .	23.97	
Geo. D. Goodrich, drain pipe . . . . .	3.01	
	<hr/>	
<i>Amounts carried forward</i> .	\$30,179.77	<u>\$35,714.92</u>

<i>Amounts brought forward</i> .	\$30,179.77	\$35,714.92
Boston Lead Manufacturing Co., lead . . . . .	989.91	
Chadwick Lead Works, lead . . . . .	156.57	
Walworth Manufacturing Co., fittings . . . . .	289.70	
Peet Valve Co., gates . . . . .	950.00	
Chapman Valve Manufacturing Co., gates . . . . .	80.29	
Holyoke Hydrant & Iron Works Co., hydrants . . . . .	768.00	
Perrin, Seamans & Co., packing . . . . .	74.98	
Priest, Page & Co., scales . . . . .	261.30	
James Russell Boiler Works Co., boiler . . . . .	1,270.00	
W. M. Hadley, cement . . . . .	9.00	
George McQuesten & Co., lumber . . . . .	27.00	
S. W. Fuller, lumber . . . . .	8.14	
John Macauley, blacksmithing . . . . .	9.00	
Jeremiah McCarthy, stone . . . . .	27.35	
Thomas Wood, mason work . . . . .	31.88	
Boston & Maine Railroad, freight . . . . .	429.02	
G. W. Ladd & Co., hay and grain . . . . .	63.70	
L. B. Angier, hay . . . . .	13.12	
F. W. Barry, Beale & Co., stationery . . . . .	1.25	
George F. McKenna, teaming . . . . .	60.00	
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	\$35,699.98	
Balance to credit in account 1894 . . . . .	14.94	
	<hr/>	
		<u>\$35,714.92</u>

TABLE D.

## BALANCES DECEMBER 30, 1893.

Cash . . . . .	\$53,488.07	
Public Property . . . . .	1,981,211.82	
Real Estate Liens . . . . .	888.40	
Sewer Assessments . . . . .	9,833.92	
Sidewalk Assessments . . . . .	4,635.12	
State of Massachusetts, Burial of Indigent Soldiers and Sailors . . . . .	35.00	
State of Massachusetts, Indigent Soldiers and Sailors . . . . .	360.50	
State of Massachusetts, State Aid . . . . .	6,612.00	
Taxes . . . . .	246,941.75	
Water Maintenance . . . . .	596.67	
Water Service Assessments . . . . .	1,520.90	
Funded Debt . . . . .		\$1,279,500.00
Overlay and Abatement . . . . .		3,542.20
Overplus on Tax Sales . . . . .		102.13
Property and Debt Balance . . . . .		701,711.82
Public Library . . . . .		23.36
Reduction of Funded Debt . . . . .		5,912.07
Schoolhouse, Bingham Addition . . . . .		8,290.00
Schoolhouse, Edgerly Addition . . . . .		456.67
Schoolhouse, English High . . . . .		81,482.00
Schoolhouse, Ward Four South Side F. R. R. . . . .		4,244.61
Sewers, Construction . . . . .		256.75
Sundry Persons . . . . .		787.60
Temporary Loans . . . . .		219,800.00
Water Works, Extension . . . . .		14.94
	<u>\$2,306,124.15</u>	<u>\$2,306,124.15</u>

REPORT  
OF THE  
SCHOOL COMMITTEE.



## CITY OF SOMERVILLE.

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IN BOARD OF ALDERMEN, January 24, 1894.

Referred to the Committee on Printing, to be printed in the annual reports. Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

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IN COMMON COUNCIL, January 25, 1894.

Referred to the Committee on Printing, to be printed in the annual reports, in concurrence.

WILLIAM P. MITCHELL, *Clerk pro tem.*

## SCHOOL COMMITTEE, 1893.

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WILLIAM H. HODGKINS, Mayor, Chairman, *ex officio*.

FRED W. GILBERT, President of the Common Council, *ex officio*.

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### MEMBERS.

#### WARD ONE.

		Term expires
SANFORD HANSCOM,	1 Webster Street . . .	January, 1894
S. NEWTON CUTLER,	28 Flint Street . . .	" 1895
GEORGE S. POOLE,	46 Mt. Vernon Street . . .	" 1896

#### WARD TWO.

THOMAS M. DURELL,	23 Bow Street . . .	January, 1894
ALVAH B. DEARBORN,	4 Bow Street . . .	" 1895
HERBERT A. CHAPIN,	41 Walnut Street . . .	" 1896

#### WARD THREE,

HELEN J. SANBORN,	383 Broadway . . .	January, 1894
NORMAN W. BINGHAM,	235 School Street . . .	" 1895
QUINCY E. DICKERMAN,	85 Central Street . . .	" 1896

#### WARD FOUR,

MARTIN W. CARR,	74 Craigie Street . . .	January, 1894
BENJAMIN G. BROWN,	38 Professors' Row . . .	" 1895
GILES W. BRYANT,	296 Elm Street . . .	" 1896

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### Superintendent and Secretary,

CLARENCE E. MELENEY, to September 1, (resigned.)

GORDON A. SOUTHWORTH, from September 1.



## STANDING COMMITTEES, 1893.

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- High School.*—MESSRS. CUTLER, BROWN, CARR, DURELL, BINGHAM, DEARBORN, HANSCOM, DICKERMAN.
- Schools in East Somerville District.*—MESSRS. CUTLER, POOLE, HANSCOM.
- Schools in Prospect Hill District.*—MESSRS. DEARBORN, CHAPIN, DURELL, GILBERT.
- Schools in Winter Hill District.*—MESSRS. BINGHAM, DICKERMAN, MAYOR HODGKINS, MISS SANBORN.
- Schools in Spring Hill District.*—MESSRS. CARR, BRYANT, BROWN.
- Schools in West Somerville District.*—MESSRS. BROWN, BRYANT, CARR.
- Rules and Regulations.*—MESSRS. DICKERMAN, CUTLER, BRYANT.
- Finance.*—MESSRS. CARR, POOLE, GILBERT, CHAPIN.
- Additional School Accommodations.*—MAYOR HODGKINS, MESSRS. CUTLER, DEARBORN, BINGHAM, CARR.
- Repairs.*—MESSRS. BRYANT, BINGHAM, POOLE, CHAPIN.
- Supplies.*—MESSRS. DURELL, POOLE, BRYANT, BINGHAM.
- Text Books.*—PROFESSOR BROWN, MISS SANBORN, MESSRS. DURELL, CUTLER, DEARBORN, DICKERMAN, HANSCOM.
- Industrial Education.*—MISS SANBORN, MESSRS. CARR, CUTLER, DICKERMAN, CHAPIN.
- Music.*—MESSRS. HANSCOM, BRYANT, DEARBORN, MISS SANBORN.
- Examination of Teachers.*—MESSRS. DEARBORN, DICKERMAN, BROWN.
- Salaries.*—MESSRS. BINGHAM, DURELL, BROWN, CUTLER.
- Evening Schools.*—MESSRS. HANSCOM, DICKERMAN, BRYANT, DURELL.
- Examination of Ninth Class.*—MESSRS. POOLE, BROWN.
- Examination of Eighth Class.*—MISS SANBORN, MR. CUTLER.
- Examination of Seventh Class.*—MESSRS. DICKERMAN, DURELL.
- Examination of Sixth Class.*—MESSRS. BROWN, BINGHAM.
- Examination of Fifth Class.*—MESSRS. DEARBORN, BRYANT.
- Examination of Fourth Class.*—MESSRS. CHAPIN, DICKERMAN.
- Private Schools.*—MESSRS. CHAPIN, BRYANT, GILBERT.

## SCHOOL COMMITTEE, 1894.

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WILLIAM H. HODGKINS, Mayor, Chairman, *ex officio*.

FRANK W. KAAAN, President of the Common Council, *ex officio*.

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### MEMBERS.

#### WARD ONE.

		Term expires
S. NEWTON CUTLER,	28 Flint Street . . . .	January, 1895
GEORGE S. POOLE,	46 Mt. Vernon Street . . . .	" 1896
SANFORD HANSCOM,	1 Webster Street . . . .	" 1897

#### WARD TWO.

ALVAH B. DEARBORN,	34 Bow Street . . . .	January, 1895
HERBERT A. CHAPIN,	41 Walnut Street . . . .	" 1896
THOMAS M. DURELL,	23 Bow Street . . . .	" 1897

#### WARD THREE.

NORMAN W. BINGHAM,	235 School Street . . . .	January, 1895
QUINCY E. DICKERMAN,	85 Central Street . . . .	" 1896
THOMAS S. WENTWORTH,	350 Broadway . . . .	" 1897

#### WARD FOUR.

BENJAMIN G. BROWN,	38 Professors' Row . . . .	January, 1895
GILES W. BRYANT,	296 Elm Street . . . .	" 1896
MARTIN W. CARR,	74 Craigie Street . . . .	" 1897

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GORDON A. SOUTHWORTH, *Secretary and Superintendent of Schools*  
40 Greenville Street. Office, 4 Walnut Street.

## STANDING COMMITTEES, 1894.

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*High School.*—MESSRS. DURELL, CARR, BROWN, DEARBORN, HANSCOM, BINGHAM, DICKERMAN, CUTLER.

*East Somerville District.*—MESSRS. POOLE, HANSCOM, CUTLER.

*Prospect Hill District.*—MESSRS. CHAPIN, DURELL, DEARBORN, KAAAN.

*Winter Hill District.*—MESSRS. DICKERMAN, HODGKINS, WENTWORTH, BINGHAM.

*Spring Hill District.*—MESSRS. CARR, BROWN, BRYANT.

*West Somerville District.*—MESSRS. BRYANT, CARR, BROWN.

*Rules and Regulations.*—MESSRS. BROWN, DICKERMAN, CUTLER.

*Finance.*—MESSRS. CHAPIN, POOLE, KAAAN, CARR.

*Additional School Accommodations.*—MESSRS. HODGKINS, POOLE, CHAPIN, DICKERMAN, BRYANT.

*Repairs.*—MESSRS. DEARBORN, WENTWORTH, CHAPIN, POOLE, CARR.

*Supplies.*—MESSRS. POOLE, BRYANT, BINGHAM, DURELL.

*Text-Books.*—MESSRS. CUTLER, DURELL, DEARBORN, DICKERMAN, HANSCOM, BROWN, BINGHAM, CHAPIN.

*Industrial Education.*—MESSRS. CARR, CUTLER, CHAPIN, DEARBORN, WENTWORTH.

*Music.*—MESSRS. BRYANT, DEARBORN, WENTWORTH, HANSCOM.

*Examination of Teachers.*—MESSRS. BINGHAM, DICKERMAN, BROWN.

*Salaries.*—MESSRS. HANSCOM, DURELL, BROWN, BINGHAM.

*Evening Schools.*—MESSRS. DICKERMAN, BRYANT, DURELL, HANSCOM.

### EXAMINATION COMMITTEES.

*Ninth Class.*—MESSRS. CUTLER, WENTWORTH.

*Eighth Class.*—MESSRS. DURELL, DICKERMAN.

*Seventh Class.*—MESSRS. BINGHAM, BROWN.

*Sixth Class.*—MESSRS. BRYANT, DEARBORN.

*Fifth Class.*—MESSRS. DICKERMAN, CHAPIN.

*Fourth Class.*—MESSRS. BROWN, POOLE.

*Private Schools.*—MESSRS. WENTWORTH, POOLE, DEARBORN, CARR.

# CITY OF SOMERVILLE.

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SCHOOL COMMITTEE ROOMS, SOMERVILLE,  
December 26, 1893.

*To the City Council of Somerville:—*

In accordance with provisions of the Public Statutes the School Committee respectfully submit the following report prepared by the Superintendent of Schools, which in their judgment embodies a correct statement of the condition and needs of the schools of the city. The important recommendations in regard to additional school accommodations and changes in grades and promotions, will be the subject of future consideration and report.

Respectfully submitted,

WILLIAM H. HODGKINS, }  
S. NEWTON CUTLER, }  
ALVAH B. DEARBORN, }  
NORMAN W. BINGHAM, }  
MARTIN W. CARR. }

*Committee  
on  
Annual Report.*

# ANNUAL REPORT

## OF THE

# SUPERINTENDENT OF SCHOOLS.

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*To the Board of School Committee:—*

The twenty-second report of the superintendent of schools, the first of the present incumbent, is herewith respectfully submitted.

### I. SUMMARY OF STATISTICS.

Population of Somerville, 1890 . . . . .	40,117
Estimated population December, 1893, on the basis of ratio of increase in the number of poll-tax payers . . . . .	49,183
On the basis of ratio of increase in the number of children in the schools . . . . .	48,674
Number of persons in the city between five and fifteen years of age in May, 1893 :	

	Increase within the year.	Per cent. of increase.
In East Somerville District . . . . .	1,405	47    3.46
In Prospect Hill District . . . . .	2,823	158    5.93
In Winter Hill District . . . . .	1,218	91    8.07
In Spring Hill District . . . . .	1,126	43    3.97
In West Somerville District . . . . .	1,029	71    7.41
Total . . . . .	7,601	410    5.39

Number between eight and four- teen years of age (the compul- sory school age) . . . . .	4,723	
An increase over 1892 of . . . . .	277	or    6.23

	In 1893.	In 1892.	Increase. per cent.
Whole number of different pupils enrolled in all the school . . . . .	9,632	9,120	5.61
Average number enrolled . . . . .	7,217	7,035	2.59
Average attendance . . . . .	6,790	6,608	2.76
Per cent of attendance . . . . .	94.1	93.9	0.2
Number withdrawn in September for Parochial School . . . . .			507
Valuation of the city May 1, 1893 :—			
Real estate . . . . .		\$38,538,700.00	
Personal estate . . . . .		3,234,900.00	
Total . . . . .		\$41,773,600.00	
Per cent of increase over 1892 . . . . .			9.4
Rate of taxation . . . . .			\$15.50
Estimated value of school property, 1892 . . . . .		\$636,725.68	
Estimated value of school property, 1893 . . . . .		643,500.00	
Increase . . . . .			6,774.32
Expenditures by the School Board :—			
Teachers' salaries, 1893 . . . . .		\$124,586.79	
Salaries of officers, 1893 . . . . .		4,133.33	
Books, supplies, water and light . . . . .		11,141.75	
Total . . . . .		\$139,861.87	
Expenditures by the City Government :—			
Janitors' salaries . . . . .	\$10,239.39		
Fuel . . . . .	8,330.43		
Repairs, etc. (School-house Incidental account) . . . . .	12,440.11		
Total . . . . .		\$31,009.93	
Exclusive of buildings and improvements, entire expenditures for schools, 1893 . . . . .			
		\$170,871.80	
Exclusive of buildings and improvements, entire expenditures for schools, 1892 . . . . .			
		168,355.76	
Per cent of increase . . . . .			1.5

Cost per pupil on basis of average enrollment, (7,035) exclusive of buildings and improve- ments, 1892 . . . . .	\$23.93
Cost per pupil on basis of average enrollment, (7,217) exclusive of buildings and improve- ments, 1893 . . . . .	23.68
Decrease . . . . .	<hr/> 0.25

## II. EXTRACTS FROM THE RECORDS OF THE BOARD FOR 1893.

*January 9.* The Board organized with three new members, Fred W. Gilbert, who succeeded Isaiah H. Wiley as president of the Common Council; George S. Poole of Ward One, who took the place so ably filled for twelve years by Dr. Horace C. White; and Herbert A. Chapin of Ward Two, who followed James F. Beard, who retired after an efficient service of six years.

A list of the sub-committees appointed will be found on the third page of this report.

*January 30.* The High School Committee presented a report reviewing the condition of the High School, and its method of working under the modified two-session plan, and containing the following recommendation, which was adopted as the recommendation of the Board:—

“We renew and emphasize the recommendations of former committees, that the City Council be requested to take immediate measures for the erection of a building adapted for use as an English High School to be located in Central Park, west of the present High School building.”

The Committee on Additional School Accommodations, reported the following recommendations, which were unanimously adopted as the recommendations of the Board and referred to the City Government:—

1. The purchase of the First Unitarian Church property on Central Hill, and its use to accommodate the overflow of the High School.
2. The immediate erection of a completely equipped English High School building.

- 3. The removal of the Franklin school-house to the southerly side of the Fitchburg railroad, its enlargement and renovation.
- 4. The erection of a new building to replace the old buildings on the Beech-street lot, to relieve the Morse school.
- 5. The addition of four rooms to the Bingham school-house.

The superintendent presented a statistical table, showing the rank of twenty-one cities of the Commonwealth, as to the cost of maintaining the public schools.

It was voted to accept the gift of a piano purchased for the Pope school through the enterprise of its children and the generosity of its patrons.

*February 27.* The Finance Committee reported the following recommendations:—

That the City Government be requested to include in the financial budget of 1893, the following appropriations for the schools:—

For Teachers' Salaries . . . . .	\$127,000.00
For School Contingent:—	
Salaries . . . . .	\$4,150.00
Supplies . . . . .	15,000.00
	19,150.00
Total . . . . .	\$146,150.00

Clarence E. Meleney was elected superintendent.

*March 27.* Routine business only was transacted.



*April 24.* The Mayor announced the death of ex-Mayor Charles G. Pope.

Charles G. Pope was born in Hardwick, November 18, 1840. He was principal of the Forster School from 1864 to 1870, and as President of the Common Council, was a member *ex-officio* of the School Board for the year 1873.

As mayor of the city, he was chairman of the School Board for the years 1889, 1890, 1891.

At its completion in 1891, the school on Washington street was named the Charles G. Pope school, in recognition of his long and efficient service in the cause of education in our city.



His death occurred after a brief illness, April 24, 1893.

The following resolutions, offered by Col. Bingham, were unanimously adopted at the May meeting:—

*Be it resolved*, that we recognize the death of our distinguished citizen and highly valued friend, Charles G. Pope, as a public, as well as personal bereavement, and as a sad and irreparable loss.

*Resolved*, that while we bow in sorrow in the shadow of this great affliction, we hereby pay respectful and affectionate homage to his memory, illustrious by reason of his unblemished character, his wisdom, uprightness and good faith, and by the many noble qualities of mind and heart that marked his whole career. He was usefully and honorably identified, for many years, with the educational interests of the city, as teacher in our public schools and presiding officer of this board. Three times elected mayor of our city, he brought to that high office qualities of mind, of courage, and of conscience, that enabled him to discharge its important duties with credit to himself and to his constituents. Twice elected to represent the city in the legislature of the Commonwealth, he displayed therein commendable ability as the framer and supporter of wholesome laws. For years as an associate justice of the police court, he administered the law with eminent wisdom, equity, and justice. In the practice of law, he was a safe counsellor, faithful and efficient. Without ostentation or unseemly ambition, he attracted public attention by the light that shone along the pathway of his life, by his unswerving course in the discharge of duty, and by his quiet, but uncompromising spirit, amid the temptations of earth and the blandishments of designing men. While properly appreciating the plaudits of his fellow-men, he never solicited preferment at their hands. He was rather one whom honor sought to crown and would undoubtedly have further crowned, but for the intervention of relentless death.

*Resolved*, that in the contemplation of this useful, spotless life, we find a radiant source of inspiration, and a shining example for those to follow who shall come after him.

*Resolved*, that this tribute of affection and esteem be entered upon our permanent records, and that a copy be presented to his afflicted family, with the assurance of our firm belief, that he whom they mourn has exchanged the scenes of earth for those of heaven,—a fleeting, transitory life, for an immortal life with God.

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*May 29.* It was voted to grant the use of the Unitarian Church to Mrs. Garwood, teacher of music in the lower grades, for an exhibition of the music work of the schools under her instruction, on Thursday, June 15.

Mr. Meloney, superintendent of schools, announced his election by the Trustees of the Teachers' College, of New York, to the department of the Science and Art of Teaching in that institution, and with it the principalship of the Horace Mann School of Observation and Practice, and placed his resignation as superintendent in the hands of the Board, to take effect October 1.

The resignation was accepted, and a committee appointed to recommend his successor.

*June 26.* The Committee on Industrial Education recommended:

1. That Wells's "Natural Movement Method of Writing" be added to the list of writing-books.

2. That Mr. Charles R. Wells be allowed to give instruction in penmanship to the teachers.

3. That the use of pens and ink be allowed in the second grade.

4. That the City Government be requested to have ink-wells furnished in second grade class-rooms.

The recommendations were adopted.

The committee on salaries reported certain changes, which will be found recorded elsewhere in the report.

The committee appointed to nominate a superintendent of schools presented the name of Gordon A. Southworth, who was unanimously elected, and his salary fixed at \$2,500.

Teachers were elected and routine business transacted.

*August 28.* It was voted that the change of superintendents occur on September 1, instead of October 1.

Gordon A. Southworth was elected secretary of the board.

The superintendent was authorized to appoint Miss V. E. Hapgood as his clerk, in place of Miss Carrie M. Taylor, who was obliged to resign on account of ill health, after an arduous and efficient service of nearly six years.

*September 25.* Routine business was transacted.

*October 30.* Routine business was transacted.

*November 27.* The following form of certificate of election of teachers was adopted, and it was voted that all teachers now in the employ of the city be requested to give a four weeks' notice of their intention to leave the service of the city.



CITY OF SOMERVILLE.

SCHOOL DEPARTMENT.

.....189 .

M.....

At a meeting of the Board of School Committee held.....189 , you were elected a teacher in the.....School, under the General Regulations of the Public Schools of Somerville, for the year ending June 30, 189 , at an annual salary of..... dollars.

Should you decide to leave the service of the City before the end of the period for which you have been elected, a four weeks' notice of your intention will be expected.

Please fill the blanks below, affix your signature, detach the paper along the perforated line, and send it to the Secretary of the Board. If not received by him within ten days from date, the position will be considered vacant.

Respectfully,

Secretary of the Board of School Committee.

.....189 .

To the Board of School Committee of the City of Somerville:

Gentlemen: I accept the position of teacher in the..... School to which I was elected on the.....day of.....189 , under the General Regulations of the Public Schools of Somerville, for the year ending June 30, 189 , at an annual salary of..... dollars.

It is my present expectation to continue in the service of the City to the end of the period for which I have been elected.

Signature.....

*December 26.* The following amendments to the "General Regulations" were adopted:—

*As Section 7 of Chapter VI.*

When an assistant who is not a normal school graduate becomes a regular teacher during the first year of her service, she shall receive . . . . .	\$300
During the third year of service . . . . .	350
During the fourth year of service . . . . .	400
During the fifth, or any subsequent year of service . . . . .	500
When an assistant who is a normal school graduate becomes a regular teacher during the first or second year of service, she shall receive . . . . .	\$350
During the third year of service . . . . .	425
During the fourth, or any subsequent year of service . . . . .	500

No assistant shall receive the maximum salary of \$600 as a regular teacher, until she has served at least one year in the latter capacity.

*As Section 8 of Chapter VI.*

Salaries assistants shall receive no increase of pay for substituting.

In determining the pay of assistants or substitutes, a single year at a normal school shall be considered equivalent to a year of teaching experience.

In determining the pay of a substitute, or of a regular teacher, graduation at a normal school shall be considered equivalent to a year of teaching experience.

RESIGNATIONS.

*May 29.* Clarence E. Meleney, superintendent of schools.

The following minute was unanimously adopted by the Board, October 30:—

The School Committee of Somerville recognize the valuable service rendered the City of Somerville by Clarence E. Meleney while superintendent of the Somerville Public Schools.

They congratulate him on the large measure of success that attended his endeavors to have the schools of Somerville meet the highest demands of the most progressive educators.

They trust that in his higher field of labor he will achieve even greater success than he won in this city.

Forster School, John S. Hayes, June 26.

The following minute was unanimously adopted by the Board :

In view of the fact that Mr. John S. Hayes has for fifteen years most faithfully and efficiently served as principal of the Forster School, and that, by reason of his acceptance of another position, he is no longer a candidate for re-election, we desire to express our sincere regret at the loss of so valuable a teacher, and our high appreciation of his administrative ability, his successful methods of instruction, and the zeal, fidelity, and intelligence for which his work has been distinguished.

Prescott School. Gordon A. Southworth, July 25.

Resolutions appreciative of Mr. Southworth's twenty years' service as principal of the Prescott School were unanimously adopted by the Board, August 28.

High School,	Bessie R. White,	Jan. 9.
Edgerly School,	Clara B. Cutler,	Jan. 30.
	Annie A. Lathrop,	May 29.
	Josephine Hills,	June 26.
	Lilla J. Pike,	Aug. 28.
	Gertrude A. Earle,	Sept. 25.
Davis School,		
Bell School,	Anna L. Dickerman,	June 26.
	Inez M. Dernier,	June 26.
	Ida F. Fillebrown,	June 26.
Cummings School,	Addie M. Brown,	Aug. 28.
	Annie Coffin,	Sept. 25.
	Dorcas C. Higgins,	June 26.
Knapp School,		
	Helen M. Freeman,	Feb. 27.
	Jane Parker,	June 26.
Pope School,	Ellen P. Longfellow,	Aug. 28.
	Mary C. Jones,	Aug. 28.
	Emma L. Nason,	Nov. 27.
Prospect Hill School,	Martha H. Pennock,	June 26.
	Jennie L. Thompson,	Nov. 27.
Forster School,		
	Cora H. Dimpsey,	June 26.
Glines School,	Annie J. Reed,	Sept. 25.
	Elizabeth G. Boardman.	March 27.

## TEACHERS ELECTED IN 1893.

SCHOOLS.	TEACHERS.	DATE.	SALARY.
High . . .	Alice E. Sawtelle . . .	January 30	\$750.00
" . . .	Helen H. Wadsworth . . .	January 30	700.00
" . . .	Grace A. Tuttle . . .	February 27	775.00
" . . .	Mary A. Pratt . . .	September 25	800.00
" . . .	Carrie E. Strong . . .	September 25	750.00
" . . .	Grace Weston . . .	December 26	775.00
Prescott . . .	Sarah W. Turner . . .	March 27	600.00
" . . .	Samuel A. Johnson . . .	August 28	1,800.00
Edgerly . . .	Josephine Hills . . .	February 27	675.00
" . . .	Carrie A. Colton . . .	February 27	600.00
" . . .	Mary E. Richardson . . .	August 28	600.00
" . . .	Mabel C Mansfield . . .	August 28	600.00
" . . .	Gertrude C. Mason . . .	November 27	600.00
Bell . . .	Mable T. Totman . . .	January 9	600.00
" . . .	Ada F. Fernald . . .	September 25	600.00
" . . .	Edith J. Holden . . .	September 25	600.00
Davis . . .	Carrie T. Lincoln . . .	October 30	400.00
Knapp . . .	Grace M. White . . .	October 30	500.00
Webster . . .	Annie W. Hatch . . .	October 30	400.00
Bennett . . .	Miriam Cavanagh . . .	October 30	350.00
Jackson . . .	Lena G. Blaikie . . .	February 27	350.00
" . . .	Mary Winslow . . .	October 30	600.00
Forster . . .	Lennie W. Bartlett . . .	November 27	600.00
Glines . . .	Mary A. Goddard . . .	November 27	600.00
Bingham . . .	L. Maud Kent . . .	September 25	600.00
Morse . . .	Helen M. Mead . . .	October 30	600.00
Highland . . .	Grace M. Clark . . .	January 9	500.00

## TRANSFERS OF TEACHERS.

Jeannette M. Billings,	Jackson to Pope.
Lena G. Blaikie,	Jackson to Cummings.
Grace Emerson,	Prospect Hill to Forster.
Mary E. Northup,	Forster to Glines.
Clara B. Parkhurst,	Webster to Knapp.
Annie G. Sheridan,	Bennett to Pope.
Mary E. Stiles,	Forster to Glines.
Luetta M. Wescott,	Bingham to Forster.
S. Minnie Wiggins,	Bennett to Bell.

## PROMOTIONS OF TEACHERS.

Helen P. Bennett,	from grades 3 and 4 to grades 4 and 5.
Jeannette M. Billings,	from grade 3 to grade 4.
Lena G. Blaikie,	from grade 1 to grade 2.
S. Adelaide Blood,	from grade 7 to grade 8.
Carrie E. Cobb,	from grade 4 to grade 5.
Clara B. Cutler,	from grade 5 to grade 9.
Annie L. Dimpsey,	from grade 7 to grade 8.
Grace Emerson,	from grades 5 and 6 to grade 9.
Gertrude L. Gardner,	from grade 5 to grade 6.
Maria Miller,	from grade 3 to grade 4.
Mary E. Northup,	to principalship of Glines School.
Margaret A. Orr,	from grade 3 to grade 4.
Annie J. Richardson,	from grade 2 to grade 3.
Annie G. Sheridan,	from grade 2 to grade 3.
Nellie F. Sheridan,	to principalship of Webster School.
Grace Shorey,	from grade 1 to grade 2.
Isadore E. Taylor,	from grade 1 to grade 2.
Mabel T. Totman,	from grade 5 to grade 6.
Elizabeth Page,	from grade 7 to grade 8.

## LEAVE OF ABSENCE.

Feb. 27.	Abby C. Hunt,	for four months.
Feb. 27.	Harriet A. Brown,	for one year, three months.
Feb. 27.	Amy C. Hudson,	for five months.
Mar. 27.	Annie Coffin,	for three months.
June 26.	Sarah W. Fox,	for one year.
June 26.	Pauline S. Downes,	for six months.
Aug. 28.	Hallie M. Hood,	for one year.
Sept. 25.	Alice M. Dearing,	for one year.
Dec. 26.	Bertha L. Brown,	for six months.

## CHANGES OR ADOPTIONS OF TEXT BOOKS.

High School.—Young's Astronomy in place of Lockyer's. Green's Zoology. White's Beginners' Greek Book in place of White's First Lessons in Greek. The Euterpean in place of Glee and Chorus Book.

Grade 1.—Riverside Primer and Reader in place of Monroe's First Reader.

Grade 2.—Bass's Nature Stories in place of Franklin First Reader.

Grade 4.—Grimm's Tales in place of Wood's Natural History Reader No. 2.

Grade 5.—Dunton's Our Country in place of Wood's Natural History Reader, No. 3.

Grade 6.—Eggleston's Elementary History in place of Gilman's Historical Readers; Hawthorne's Stories in place of Scribner's Geographical Reader.

Grade 7.—Montgomery's Beginners' American History in place of Gilman's Historical Readers.

Grade 8.—The Normal Fifth Reader in place of Monroe's New Fifth Reader; Heroic Ballads in place of the Wonder Book.

Grades 8 and 9.—The Cecilian, Book 4, in place of Glee and Chorus Book.



Grade 9.—Masterpieces of American Literature in place of Seven American Classics. Lowell's Jason's Quest. Ten copies for each school of nine grades.

Grade 8.—Hand-book of Biography of Twenty Americans. Ten copies for each school of eight grades.

Grades 4, 5 and 6.—Essentials of Arithmetic in place of Greenleaf's Brief Course, as new books are needed.

Grades 5 and 6.—Dewey's Ethics, Desk book.

Grades 7 and 8.—Comegy's Ethics, Desk book.

Grades 2 and 3.—Physiology and Health, No. 1, Desk book.

Grades 4 and 5.—Health for Little Folks, Desk book.

Grade 6.—Physiology and Health No. 2, Desk book.

Grades 7 and 8.—Blaisdell's Physiology for Boys and Girls in place of How to Keep Well. One set to each building having seven grades.

Wells's Natural Movement Method in Writing.

### III. A FIVE YEARS' RETROSPECT.

In their report for 1888, the Committee say, "With the report of Superintendent Joshua H. Davis for 1887, we appropriately close the first volume of our school history as a city."

Possibly the recent change in the superintendency of our schools may not inappropriately be said to mark the close of the second volume. At any rate it is the end of a chapter, and a review of the past five years, and a consideration of the remarkable increase in our schools, of the changes that have taken place in them, and of the advances made along upward educational lines, will not only encourage us to take a hopeful view of their future, but, by revealing prospective demands, may also lead us wisely to provide for the yet larger increase of the next decade.

The rapid growth of our population, the increase of our schools, and the efforts of our city to supply educational facilities equal to the demand, will best be seen by comparing the numbers in the two columns below :—

	1888.	1893.	Per cent of Increase.
No. of children between 5 and 15 years of age	5,959	7,191	21
Average number belonging to the schools .	5,488	7,217	32
No. of School rooms, Grammar and Primary	112	152	36
No. of Teachers employed . . . . .	139	184	32
High School pupils in December . . . . .	411	618	50
High School Teachers . . . . .	10	15	50
High School rooms . . . . .	10	10	0
Grammar School Graduates . . . . .	243	399	64
High School Graduates . . . . .	59	82	39
Amount spent for support of schools . . .	\$103,552	\$150,101	45
Cost per pupil . . . . .	18.87	20.80	10
Estimated value of school property . . .	\$428,554	\$636,725	49
Valuation of the City . . . . .	28,765,400	41,820,700	45

A comparison of the numbers in the preceding table shows that during the last five years the increase of school accommodations, with the noteworthy exception of the High School, has just about kept pace with the increase of children. Forty modern school-rooms, well ventilated, well lighted, and well adapted to use, have been added by the construction of the Knapp, Glines, and Pope school-houses, and by the enlargement of the Morse, Highland, and Edgerly buildings. Four rented rooms occupied in 1888, have been abandoned, the Brastow school-house has been converted into an engine house, and the Union school building has been sold, making a net gain in the five years of thirty-seven school-rooms, containing sittings for 1,946 pupils. The increase in the number of pupils has been 1,729.

This comparison also shows that the rate of increase in the value of school property slightly exceeds the increase in the assessors' valuation of property in the city, while the expense of sup-

porting the schools has increased in exactly the same ratio as the city's ability to pay as indicated by the value of real and personal property in the city.

We observe furthermore that the gain in the number of graduates from the High School, is greater than the gain in school population, and this, too, notwithstanding all the disadvantages of its crowded condition. And finally, we may notice that the rate of increase in the number of grammar school graduates is strikingly disproportionate to the gain in any other direction. This doubtless is owing in part to the less rigorous requirements for promotion, graduation, and admission to the High School.

In his farewell report, published in the spring of 1888, Superintendent Davis says:

Just now we are passing through a transition period. The old order of things has passed away, and new conditions, with their numerous demands are upon us and we are not fully prepared to meet them.

Committees are demanding that the public schools, supply not only what was formerly furnished by the apprentice system, but also such additional industrial and art training as the exigencies of the times require.

The School Board of Somerville, recognizing the truth of these words, with the wise and prudent conservatism that refuses to accept the new simply because it is new, but leaves to others the task of wasteful experiment and adopts only what has passed the tentative stage and proved itself to be of substantial and permanent educational value, under the leadership of a courageous and enthusiastic educator, gradually introduced into our schools during the five years that we are reviewing, new forms and methods of development and training fully in accord with the general trend of education in these latter days. In this way, while our schools may not have been always in line with the more venturesome skirmishers that open the way into the enemy's country, they have been kept abreast the solid column that with firm and steady step, advances to possess and occupy the land.

The first movement in advance, was the adoption of a system of Industrial Drawing that experience has proved to be based on sound educational principles. To train teachers and to direct the

work, a skilled supervisor of drawing was employed. Under this expert direction, seconded by the enthusiastic co-operation of teachers and the growing interest of pupils, the system in all its details has become firmly established in our schools, and its value is to be seen to-day in the increased knowledge, judgment, skill, taste, and power to observe correctly and to reproduce accurately which our pupils display.

Following this, came the introduction of manual training for girls, in the form of Sewing, an exercise approved alike by those that clamor for "practical results" in education and by those that demand training for the mental, through the development of the child's physical powers. Two teachers of sewing were employed and a systematic method of instruction adopted, which has since become widely known as the "Somerville System", and which competent judges declared to be the best exhibited at the World's Fair. By unanimous consent sewing now ranks both practically and educationally, among the most valuable of our school exercises.

Although, mainly on account of what has thus far seemed the unwarranted expense of securing suitable rooms, teachers and appliances, it has been impossible to give the boys in our schools, manual training with the use of tools, yet during the sewing hour they have had exercises in Mechanical Drawing, which is a form of manual training that prepares the way for other forms that will come in the not very distant future.

On the principle that education includes and compels the harmonious development of the child physically, as well as intellectually and morally, in 1889 the miscellaneous calisthenic exercises given in some schools, were replaced by the form of Swedish gymnastics known as the "Ling System," which was regularly introduced into all grades. A competent supervisor was employed to direct the work and instruct the teachers, who quickly caught the spirit and method of the system and cheerfully gave time and effort to perfect themselves in it. Since then a due proportion of time has been given to physical training in all our schools, and its salutary effects are seen to-day in the improved physical condition of our children.

Kindergartens, long looked upon as an educational luxury, designed only for the children of the well-to-do, have come to be considered in these modern days almost a necessity—alike profitable to

the poor and to the rich. Many cities and towns have already incorporated them as an integral and vital part of their school systems. During the last five years, here and there in our own city, Kindergartens have been opened, and their educational value tested and acknowledged. Three are now in operation among us, and yet the kindergarten has not been formally recognized and provided for by the Committee. It is hoped that, when our more urgent school needs are met and means are at hand, these most valuable auxiliaries will be made a part of our educational system, permanently founded and so distributed that all sections of the city may enjoy their advantages.

The introduction of the Normal System of Music into the primary schools, and the employment of a special director to supervise the work in them, marked an important advance in musical instruction in our city. The new method supplanted an old one, which for several years had been nominally used by the regular class teachers. It has since been extended to the fourth and fifth grades with results that thus far have been very gratifying and that augur well for the future.

Another modification of our school work that helps to put Somerville in step with other municipalities, is the introduction, to a limited extent, of Nature Study, designed to put the child in touch with "mother nature," teaching him to observe and analyze the beauties and wonders of plant and animal life and to understand something of the physical forces surrounding him, the chemistry of common things, the phenomena of earth and air and sea. In this way, not only is power developed and knowledge widened, but love of nature is refined and strengthened, and a desire begotten for farther research and information and experiment, and the child brought under influences that may brighten and control his future. But little time, comparatively, has been spent upon this line of work, no definite, specific course for each grade has been formulated, and not yet, as in many places, has a special teacher been employed. An excellent beginning, however, has been made, the importance of the study recognized, and a desire for a wider reach and farther attainment has been created.

One other improvement has characterized the period we are considering. It is the extension and systematizing of Supplemen-

tary Reading. The day of the ordinary school-reader has passed its meridian. The old books still serve a useful purpose, but they are fast being displaced by cheaper books that contain, not fragmentary and insipid bits of a heterogeneous character, but either generous extracts or complete selections of the best literature, ancient and modern, in prose and verse. Our school reading now runs definitely along four lines, extending and supplementing the work in history, geography, science and literature. Books adapted to each grade are supplied, not in abundance perhaps, and yet in a way to serve practical uses, and to lead to the desire and expectation of future increase, both in number and variety.

A statement of what has been accomplished during these five years would be incomplete without some allusion to the efforts that have been made to secure Additional Accommodations for pupils that wish to pursue a high school course. It is not needful to recite in detail the crowded condition of the present building, the urgent demand for more room, the difficulty in deciding what would better be done, the stringency of the financial situation, or the anxieties and labors of superintendent and sub-committees. Suffice it to say, that at last, all these labors have been crowned with success. Within a few months a location has been agreed upon, an appropriation of \$80,000 made, plans perfected, contracts awarded, and ground broken for a new English High School building, which, in due season, will afford accommodations commensurate with our needs.

Not to prolong this retrospect, mention only is made of the formation of historical class-libraries, which raise the study of history above the plane of merely memoriter exercises, and of the extension of history study downwards into lower grades; of changes in methods of teaching geography, which require less time and compel observation and thought and secure expression in its various forms—words, maps, and drawings; of attempts to co-ordinate language-study with work in geography, history, science, and literature; and of the complete revision of the course of study, adapting it to the new lines of work.

The inauguration and establishment of all the changes and improvements thus outlined, together with provision for the rapidly increasing numbers, have been no easy task. The question of

expense, doubt as to expediency, conservative tendencies, the perplexities incident to the rearrangement of courses of study, these, and other obstacles have been encountered and overcome; and, through the persistence and energy of school authorities, the cooperation of teachers, the generosity of the City Government, and the determination of the citizens of Somerville to secure the best educational advantages for their children, the present measure of success has been attained.

#### IV.—SCHOOL BUILDINGS.

##### PRESENT ACCOMMODATIONS.

Somerville now has 23 school-houses, containing 148 school-rooms:—

One High School building.

Seven 12-room buildings for primary and grammar grades.

Three 8-room “ “ “

Three 6-room “ “ “

Seven 4-room “ “ “

Two 2-room “ “ grades.

Two 1-room “ “ “

The High School building was made to accommodate 250 pupils, and is of course wholly inadequate for the 625 pupils that have been obliged to crowd into it. The building is substantial, well located, and convenient, and, when the new English High school-house is completed, will suffice for the use of the Classical department that remains, for many years. Before being set apart for that purpose, however, it should be modified somewhat in the arrangement of rooms, thoroughly renovated, and provided with some effective system of ventilation.

The seven twelve-room school buildings are comparatively modern structures, well adapted to school purposes. Two of them, the Prescott and the Bell, are without sufficient means of ventilation, a defect that should be remedied at an early day.

The three eight-room buildings have quite recently been erected and serve school uses as well as any eight-room buildings can. With our division of schools into nine grades, a house with eight rooms is decidedly unsuitable, being too small for a fully graded grammar school and too large for exclusively primary purposes.

The single six-room school-house, the Prospect Hill, is an old, wooden structure that has been in use fifty years. Considering its age, it is in fair condition, wholly unventilated to be sure, but, with this important exception, usable. The erection of other buildings, designed to supersede it, has complicated the question of how best to utilize it. It may answer, however, for primary school uses, to which it should before long be wholly devoted.

Of the seven four-room buildings four are creditable to a thriving city. The other three, the Bennett, the Jackson, and the Franklin serve very well to show what was considered sufficient thirty years ago, and illustrate by contrast the advance made in school-house architecture in recent years. They are not only old-fashioned and inconvenient, but they are heated by stoves, they are wholly destitute of means of ventilation, and their sanitation is defective. They have been endured because the demands of our rapidly growing city have been so urgent in other directions. Their abandonment or replacement by modern buildings, would be a gratification to every citizen that has the reputation of our city at heart. Each of the two first-named now has a vacant room. As long as these buildings must be used, no pains or outlay should be spared to render their sanitary condition unobjectionable.

The two two-room houses are the Beech-street and the Cedar-street. Both have very properly been condemned years ago. No one claims that they are suitable for school purposes, but their use is enforced by the exigencies of the situation.

The two single-room buildings are the Spring Hill and the Harvard. The former is now closed and should remain so. The Harvard school-house, however, contains sixty unfortunate children for whom some relief should at once be afforded. The country school district that would tolerate such a building, lies remote from Somerville. The house is small, old, unventilated, poorly heated, inconvenient, and overcrowded, while the sanitary features are



deplorable. The condition of this school urgently demands immediate attention. At least its name should be changed, out of respect to the neighboring university. "The Harvard school on Beacon street" suggests the antithesis of the reality.

#### OUR IMMEDIATE AND FUTURE NEEDS.

In discussing the question of what additional school accommodations Somerville needs, the following controlling facts or principles should be borne in mind:—

1. The population of Somerville in 1900 will probably be not less than 60,000. This means that 2,000 additional children are to be school-housed within the next seven years. This will require, at least, forty new school-rooms. Ten new rooms are needed to-day, to accommodate our present number satisfactorily. Hence fifty new rooms, or the equivalent of twelve four-room buildings must be provided within seven years. This may seem an extravagant demand, but "we have no means of judging of the future but by the past."

2. Our efforts must be constantly directed towards the gradual reduction of the number of pupils assigned to a single teacher, to the teachable maximum of forty.

This means more school-rooms, more teachers, larger expenditures, but in the language of President Eliot, "to instruct fifty or more pupils to the best advantage, in all the various directions required by the newer education, is beyond the powers of mortal woman." The number of pupils assigned to a teacher must be smaller, or we must be satisfied with slower progress and more limited attainment,—we must be content with something less than the best.

3. We should plan to reduce the number of primary pupils now found in our large buildings, and devote these buildings, as far as possible, exclusively to grammar grades.

A four-room building will conveniently accommodate the three primary grades, the lowest grade being generally large enough to fill two rooms. Smaller buildings may be so located as to be easily accessible by little children, while the concentration of grammar grades renders the work of supervision and special teaching easier.

justifies the employment of sub-masters and thus secures the greater desideratum of more men as teachers. At present one-third of the rooms in our seven largest buildings are occupied by primary grades. In this respect Somerville is exceptional among cities.

4. We should avoid the construction of more eight-room buildings.

They are too small to accommodate the nine grades which must be provided for by our system, and too large for primary school use exclusively. The Knapp school may serve for an illustration. This school now contains more primary than grammar classes and pupils. Its fifth and sixth grades are relegated to a building a third of a mile distant, thus destroying the unity of the school and lessening greatly its efficiency. If, instead of an eight-room, a twelve-room building had been erected here, it would now be fully occupied by pupils living within its radius. The same disadvantages may be experienced within three years in the Glines and Bingham, our other eight-room school-houses. If small buildings must be erected, with a view to future enlargement, let them be so constructed that they can be readily converted into buildings of twelve, or, at least, of ten rooms.

In the East Somerville district, there has been an increase of forty-seven children since December, 1892. During three months of the year 1893, about fifty primary children attended school on "half-time." This very undesirable plan must be adopted with extensions for 1894. The membership of the eleven primary schools of the district is now, — December, 1893 — 627, an average of fifty-seven to a room. Reduce this average to forty-five and add the April contingent, and enough primary children remain to fill a new four-room building at once, with no provision for the natural and inevitable increase of the year. In these eleven primary schools, beside the regular teachers, six assistants are employed, two of whom are serving without pay, and the others receive \$1,550 per year. It will be seen that, in a new building, the increased annual outlay for instruction would be less than \$1,000, even if the maximum salaries were paid. The employment of assistants in primary schools is simply the "less of two evils." It is our best available substitute for new school-houses, but it should not be forgotten that it is only a makeshift, to be abandoned at the earliest moment. Sixty chil-

dren, sometimes seventy, crowded into a poorly ventilated room, two teachers—one an apprentice—working with suppressed voices and repressed enthusiasm in opposite corners, the attention of all more or less distracted, the exercises often of necessity ill-adapted to a portion of the class,—how far all this comes from the ideal primary school!

Relief from these adverse conditions should come at once from the erection of a four-room building on Broadway, between Union street and Benedict avenue, or on Myrtle street near the Prescott school-house. It would be filled from the Prescott, an eastward movement of pupils, relieving the Edgerly. The Davis school should at once be made exclusively primary, its fourth grade being transferred to other buildings. This will provide another grammar grade room in each large building, and distribute among fourteen rooms the primary pupils now crowded into eleven. The exigency cannot be met by an enlargement of the Davis school-house. More eight-room buildings are undesirable for reasons already given. It would result in more primary children, rather than fewer, in the Prescott and Edgerly schools, and thus retard the conversion of our large schools into purely grammar schools. Besides, the location of the Davis school is such as very poorly to meet the needs of the district. Primary children cannot be turned away from the centres toward which they naturally tend and asked to pass one school-house containing their own grade to reach another at much greater distance.

A little later on, another four-room building should be erected on Walnut street, opposite Sunnyside avenue to relieve the Edgerly school, and possibly the Glines and Forster, all of which will need relief in 1895.

In the Prospect Hill district there has been an increase of six per cent in the school population during the year. This gain, however, has been much more than offset by the withdrawal from the public schools, mainly in this district, of 500 boys for the St. Joseph's Parochial School. There are now two vacant rooms in the district, so situated, however, as not to be available for the relief of other schools.

The destruction of the Webster school-house by fire on the night of December 14, compelled the transfer of its classes to the

Prospect Hill building. The distance is too great for small children, but the arrangement was the best that could be made. The enlargement of the Knapp building by the addition of four rooms to the rear, rendered immediately imperative by the loss of the Webster, will accommodate all the children of the district of which it is the centre. It will permit the transfer of the grammar classes now in the Prospect Hill school-house, and make the Knapp a full grammar school. This will leave the former free for primary school purposes. To it should be transferred primary classes from the Pope and the Bell, leaving room in each of those buildings for the fourth grades now in the Jackson and the Cummings, and making those schools exclusively primary. Such a movement would greatly increase the efficiency of all the schools affected.

The Winter Hill district has grown more rapidly during the year than any other section of the city, the increase being eight per cent of the school population. The addition to the Bingham school-house, which will probably be ready for occupancy in March, will relieve the crowded condition of the schools of the district, but will not close the Cedar-street school. The relief, however, will be but temporary, and in the not distant future other buildings will be needed.

The pressure in the Spring Hill and West Somerville districts, was relieved somewhat in September by the eastward movement of about one hundred pupils, the Bell school being in condition to receive the surplus. The completion of the Kent-street building will give needed additional relief to the Morse, Beech-street and Franklin schools. It must also close the Harvard school, although the pupils of that school and its vicinity would be better accommodated in a building located, as one must some day be, on Washington street, near Calvin. The needs of the locality will before long require a school-house on Highland avenue, near Belmont. Will it not be well to consider this in planning for the future?

The increase in the West Somerville district in 1893, has been nearly seven and one-half per cent of its school population. All three of its schools are badly crowded, and their relief presents one of the most urgent of our immediate necessities. The remedy seems to lie in the addition at once of eight rooms to the Burns school-house. Here is the place for another grammar school centre,

in a rapidly growing district and at a proper distance from other schools. A twelve-room building here will take the surplus ninth grade scholars from both the Morse and the Highland, and afford them all the relief in other grades needed at present; and it will make the Lincoln what it ought to be, distinctively a primary school. Ultimately, another twelve-room building will be needed farther to the west, perhaps on Broadway, opposite Irving street.

Reviewing then the situation given in detail in the preceding pages, we find the essential requirements for 1894 to be:—

1. A four-room primary building in Ward One.
2. The immediate enlargement of the Knapp school-house, by the addition of four rooms.
3. The closing and abandonment of the Harvard school building, and a re-adjustment of classes in the Spring Hill district, incident to the completion of the Kent-street school-house.
4. An addition of eight rooms to the Burns school-house.

An early movement in the right direction will complete these improvements in September of 1894, and place all our schools on a good working basis for another year.

As for the High School, it must struggle on for one year more, when the completion of the English High school building will bring the long-looked-for and welcome relief.

### V. TEACHERS.

There are now 189 teachers employed in our schools, twelve men and 177 women, as follows:—

GRADES.	MEN.	WOMEN.	AMOUNT PAID.
High . . . . .	3	11	\$14,700.00
Grammar . . . . .	8	80	64,350.00
Primary . . . . .		60	33,025.00
Kindergartens . . . . .		3	1,700.00
Special . . . . .	1	4	3,933.00
Assistants . . . . .		19	4,150.00
	12	177	\$121,858.00

Of the 170 regular teachers, 104, or sixty per cent, have been appointed within five years; 130, or seventy-five per cent, have been elected during the last ten years, while the remaining twenty-five per cent have been in the service of the city on the average between seventeen and eighteen years each. The average term of service for our entire corps of regular teachers is six years.

These statistics show that the majority of our teachers have somewhat recently begun their work in our city; that changes among them are of frequent occurrence; that our teaching force is constantly being recruited with teachers, fresh from other fields, bringing new life and methods, and full of the enthusiasm and ambition of those with fortunes to make; that there is a gratifying permanency in a good teacher's position in Somerville; and finally, that the work of securing new teachers that shall maintain our high standards, must of necessity require much time and sound judgment on the part of those charged with the duty.

Of these 189 teachers, sixty-eight are graduates of normal schools; seventeen are college graduates; eleven are graduates of training schools; fifty-two are graduates of the Somerville High School; twenty-seven are graduates of other high schools; and fourteen were educated in private schools, academies, etc.

It will be seen from these figures that thirty-six per cent of all our teachers have had the professional training given by normal schools; that nine per cent are college graduates; that six per cent have supplemented a high school education by a year in some training school; and that forty-eight per cent, about one half of all of them, entered upon the work of teaching with the education which an ordinary high school gives. Some of the latter have come to us, however, after considerable experience elsewhere.

The changed conditions and constantly increasing requirements in our schools demand in teachers wider culture, broader knowledge, and professional education. Many are meeting the demand through private instruction, university lecture courses, and summer schools. Our normal schools will soon close their doors to all but high school graduates. In some quarters the call is already for college graduates for grammar schools. Elsewhere the demand is met either by special teachers or by the departmental plan of instruction. The day has passed when a high school graduate has

the boldness to offer herself as teacher without some form of professional training.

How to supply our new schools with teachers and to fill the places of those whom larger salaries allure elsewhere, is a question of increasing perplexity. It is more and more difficult to attract the best teachers from other cities and towns where we have foraged successfully in the past, for in self-defence they are raising salaries to keep the teachers we want.

Our plan of employing assistants is well enough when they are normal graduates, but the training which a high school graduate thus receives, is limited in its range and often obtained under such unfavorable conditions as to be of little value. Teaching is now everywhere recognized as a profession, and it will not be long before it will be as rare to see a man or woman begin to teach without a normal or training-school certificate, as to see a physician practising without the endorsement of a reputable medical school. No quacks will be tolerated in either profession. Teachers, besides possessing native ability, good character, and the requisite amount of knowledge, must know the laws of the mind, how it grows, the complex nature with which they are called to deal, the methods most likely to help them in developing every side of this nature, and the successive steps through which the individual, like the race, must pass in its progress towards the highest attainment.

The conversion of one of our largest schools into a training school seems to be a necessity forced upon us by the situation. At its head should be a master of the art of teaching. One half of its teachers should be experts in one department or another, the salaries being sufficient to attract the best talent. Here twenty inexperienced normal graduates might be received and given opportunity to observe the best teaching, and under the direction of perfectly competent instructors, to have abundant practice in the art in every grade. This student corps would furnish the other half of the teaching required in the building. Those that displayed no aptitude for the work should be dismissed. All should receive such salaries as are now paid to assistants. These teachers in training would be excellent substitutes. In such a school the pupils would be decidedly the gainers, and the expense attending it would be no greater than at present. Other cities have such

schools, and their success is multiplying their numbers. The plan is respectfully urged upon the attention of the committee.

This portion of the report cannot be closed without bearing witness to the character of the teachers now employed by the city. In the main they are well equipped either by training or experience or both. They are conscientious, hard working, enthusiastic, faithful. Their lot is not an easy one, notwithstanding the popular impression. They are expected to make the school. They have heard ten thousand times, "The teacher *is* the school." They know that the plastic material will forever bear the impress of their own characters. They must be what their pupils should become. Preparation to teach the lessons of the day; search for methods new and fresh; effort to know intimately the personal traits and qualities of each one of half-a-hundred children; solicitude as to how best she may reach the heart and move the will of some troublesome boy or girl; the exhaustive physical labor of teaching; the difficulty of keeping fifty active, enquiring minds in restless bodies occupied and thus under control; time to examine in detail the visible product of her pupils' work; anxiety to reach and influence the child in his home life, his reading, his amusements; constant worry as to how to accomplish ten days' work in a week's time; the desire to please the powers that be, and to do all that is expected of her; reading to keep abreast the times and to supply anew the fountain of her own knowledge; study in preparation for enlarged requirements; oftentimes the care of others dependent upon her for loving service; the depression of feeling that when her best has been done the results, to her, at least, are unsatisfactory—all these things involve a nervous strain and a tax on strength and enthusiasm and energy that demand for recuperation and reinforcement all the time and opportunity that the vacations furnish. Teachers are assured that their fidelity and labor are appreciated, not only by school officials, but by the public, who realize their indebtedness to them, the most useful members in any community.

## VI. THE WORK OF THE SCHOOLS.

The kind of work done in our primary and grammar schools has been quite fully indicated in a preceding portion of this report.



An examination of the following table will show the various studies and exercises of our primary and grammar schools, together with the relative amount of time spent upon each during the nine years of the course, according to the schedule now in force.

STUDY OR EXERCISES.	PER CENT OF TIME SPENT UPON EACH STUDY		
	DURING THE THREE PRIMARY YEARS.	DURING THE SIX GRAMMAR YEARS.	DURING THE ENTIRE COURSE OF NINE YEARS.
Reading . . . . .	29.22	15.06	19.78
Arithmetic . . . . .	14.78	17.50	16.58
Language . . . . .	6.66	11.78	10.06
Penmanship . . . . .	7.56	8.00	7.85
Drawing . . . . .	9.33	6.66	7.56
Opening Exercises and Recesses .	8.22	6.67	7.18
Physical Training . . . . .	6.67	6.67	6.67
Geography . . . . .	2.67	8.22	6.37
Physiology and Elementary Science	5.33	5.33	5.34
Spelling . . . . .	5.56	3.67	4.30
Music . . . . .	4.00	4.00	4.00
History . . . . .	0	3.78	2.53
Sewing and Mechanical Drawing .	0	2.66	1.78

It will hardly do to consider the apportionment of time as shown in the foregoing table as a measure of the educational value of the different studies, nor of their practical value, nor even of the sum of these values. Some allowance must be made for the difficulties, or the limitations of a subject, or its adaptability only to the child's maturer years. When we say, for example, that one day in every five throughout the child's entire primary and grammar school course of nine years, is spent in reading, let us remember that reading is the essential basis of all other studies. Let us not forget that while there is a constant gain in this direction, his time is not wholly spent in learning *how* to read, in simply securing possession of the key to the world's great storehouse of knowledge without unlocking and entering it to gain a little, at least, of what it contains. No; the child reads in school, as we hope he may when he leaves it, for information in the realm of history, of travel,

of science, of nature. He reads to cultivate a taste and a desire for what is beautiful and worthy in literature, for the uplifting influence which comes from intercourse with the good and great who speak in the silent language of the printed page.

It may be thought by some critics that an undue proportion of time is given to number-work, one hour in every six for each of the nine years. But if the testimony of business men as to the ability of the average grammar school graduate to meet the demands of the counting-house is a criterion, the time spent is much too small, or, more probably, the methods of instruction are at fault. Others still may claim that music is subordinated to other exercises, physical training, for example.

It is probable that our present time schedule will need modification in the near future, and it is presented in this form that the whole matter may receive due consideration. Every teacher feels that the demand upon her is incommensurate with the time allowance. This is particularly true of the special teacher, who, having but a single subject in hand and but one end to secure, may forget the true correlation of studies, and feel that the claims of the special branch he has in charge are ignored or minimized. As the importance, now of one subject and then of another, is urged upon the attention of teachers, the temptation is very strong to overstep time limitations and emphasize one study at the expense of others. The best that teachers can do is rigidly to adhere to the time prescribed, using it to the utmost advantage, and leaving the responsibility of success or failure to those who have thus prescribed it.

Prominent among the questions now agitating the pedagogical world, is the one that has reference to changes in the grammar school curriculum. Extended college courses have led to increased demands upon fitting schools, and they, in turn, are enquiring whether some of the work done by them may not be done in grammar grades. Discussions upon the true educational value of different studies have given expression to widely differing opinions. Here manual training is supplementing if not superseding mental training. There the "three R's," so long deemed of paramount importance, are being subordinated to other things of assumed greater value. Experiments are making with a view to the evolution of what is best. Educational empiricists are advocating the introduction into the grammar schools of Latin, French, German,

algebra, geometry, physics, chemistry, botany, zoology, geology, etc. The incoming of the new involves the exclusion of the old, for no one advocates lengthening the time by either daily or annual increase. Indeed, there are some that, with all the so-called enrichment, clamor for a reduction of the time spent in education. The various exercises of the schools are being tested to ascertain their relative educational and practical value,—their value in strengthening and training the intellectual faculties as distinguished from their value in informing and equipping the student for some specific employment in the future.

Out of all this discussion, and investigation, and experiment, good will come, and the fittest will survive. It would be strange indeed if, in the onward march of human progress, out of the research and thought and discovery of this wonderful age, there should not come changes in the lines of school work that may seem to the conservative well nigh revolutionary. Meanwhile, those of us whose purse or wisdom restrains our ambition to lead in this empirical procession, would better be content to wait until the best is revealed, incorporating into our schools, one by one, the changes that may appear wisest under existing conditions.

Not all communities have similar educational needs. Where wealth abounds and opportunity for collegiate or professional training offers freely, provision should be more abundant for facilitating the pupil's progress toward the college. Where the young are early thrown upon their own resources for a livelihood, and the demands of the situation force pupils out of school before graduation, the course of study should be so arranged as to do the most for the non-graduates. Of course, in all our cities the latter class predominates, but not in equal degrees.

The great majority of children do not go through our schools, but drop out all along the way. To show to what extent this is true, the graphic illustration on page 256 is presented. Each of the thirteen grades now in our schools is represented by a column whose length shows the relative number of children in it. It will be observed that more than one-half our children are in the four lower grades, while but one-twelfth of them are in the High School, and one sixty-sixth in the highest, or graduating class.

The second illustration on page 257 shows the numerical history of the class that was graduated from the High School in 1893.

PRIMARY.			GRAMMAR.						HIGH.			
1st Year	2d Year	3d Year	4th Year	5th Year	6th Year	7th Year	8th Year	9th Year	10th Year	11th Year	12th Year	13th Year
											94	112
										160		
									246			
								435				
						575	545					
					634							
				733								
		798										
			823									
921												

This diagram shows the number in each grade of the Public Schools of Somerville, December 15, 1893.

The Primary Schools contained 41 per cent,  
 The Grammar Schools contained 51 per cent,  
 The High School contained 8 per cent of the whole number.

1880.	1889.	1893.	1894.
		82	40
	281		

The diagram at the left shows the numerical history of the class that graduated from the Somerville High School, 1893.

In the 1st Primary grade in 1880 it numbered 781 members. During the nine years of the Primary and Grammar course 500 fell out, and 281 graduated in 1889 from the Grammar Schools.

Of these, 187 entered the High School, but during the four years of the course 105 dropped out leaving 82 to graduate.

Of these 82, 40 are now, December 15, 1893, in college or scientific schools.

From these facts and illustrations it is evident that in Somerville, at least, the course of study should not be controlled by college requirements. Our pupils leave school to engage in commercial or industrial pursuits, and what we do for the great majority of them must be done below high school grades. To show how well they meet the requirements demanded by the commercial world, the recent utterance of a clear-headed business man is given:—

“I will state what a business man has a right to expect, when he seeks a young man just from your grammar or high school to fill an important position:—

First, fair penmanship and reasonable orthography.

Second, ability to quickly learn how to properly express the wishes of his employer in business letters.

Third, diligence, honesty, and interest in the success of the work he is expected to perform.

Fourth, quickness in figures, so far as relates to plain, practical arithmetic.

Fifth, habits of neatness in dress, and manly deportment.

Sixth, self-reliance and ability to state facts and opinions relating to his occupation.

Seventh, the habit of close observation, and a mind so disciplined that it is an absorbent and retains what comes within its observation.

Now, what does the business man find in nine-tenths of the boys whom he takes from the school for the purpose of making them useful in his business and enabling them to gain a better living than by digging ditches or driving teams? He finds poor penmanship and absolute inability to write properly a very simple business letter, even at dictation; listlessness, and little interest in his occupation, but a great desire, however, for more money than he is worth; inability to cast up a column of figures, and inaccuracy even in counting money, though the youth may have been at school an adept in solving arithmetical puzzles; lack of politeness and manly deportment; difficulty in expressing clearly his thoughts; no habits of close observation or of reasoning, and perfect oblivion as to what he ought to observe, even in matters closely relating to his duties; as for correct orthography, as a matter of course, he cannot spell.”

This may be an exceptional experience and not characteristic of this latitude, but without stopping to question whether our critic's employees were typical boys, we must admit that the demands he makes are not extravagant, and should be supplied by our schools.

If we fail to secure expected results; may not the cause of failure lie in the attempt to do too much, both in variety and in quantity? The conscientious and faithful teacher feels that the requirements of the course of study must be met. Telling is quicker than teaching. Inciting the pupil to self activity is a slow process. Fifty listless, or mischievous, or waiting children demand her care. There is no time to study the individual and meet his wants. But the prescribed work *must* be done, and so the perplexed and harassed teacher takes the shorter road, does the child's work for him, and he, poor fellow, continues to depend on educational crutches. Let us remember that courses of study, like text-books, are a means, not an end. They are suggestive, and not to be blindly followed. What is taught is far less important than *how* it is taught. One thing done by the child for himself is better than ten that he sees another do for him. The good of the individual child must control the teaching. But, alas! what is one teacher among so many!

A distinguished educator gives this sound advice to teachers: "Simplify your methods as much as possible; distrust the artificial aids that complicate the process of learning; bring your pupil face to face with reality; connect symbol with substance; make learning, so far as possible, a process of personal discovery; depend as little as possible on mere authority; adapt teaching to the successive stages of development of the child; and [above all], make haste slowly."

#### IMPROVEMENTS IN GRADING.

The question of the best method of grading schools is now under discussion, and confronts us for consideration. The opening of the English High School in 1895 will necessarily change the relations of the grammar schools to the high schools. The department of college-bound pupils will be mainly fed from the eighth grade of the grammar schools, while the other departments will receive their supply from the graduating classes as heretofore.

Our schools as now organized contain three primary and six grammar grades. Each class-room contains fifty children all of one grade. During the year they are all expected to do the same

amount of work, complete one-ninth of the course of study, and at the end of the year be ready to move on into the next grade. This would be well enough were they all equally capable, similarly circumstanced, equally regular in attendance. But this is never the case.

Every class of fifty pupils contains a few bright, active minds capable of doing rather more than the assigned work. It also contains the opposite extreme, a few pupils of slow mental development and perhaps some others who have fallen behind through sickness or other misfortune. These two extremes constitute about a third of the class. The remaining two-thirds, the great body of the class, are children of average powers just about able to accomplish what is required. Of course this average two-thirds set the pace for the entire class. But if a uniform rate of progress is attempted this pace will prove too rapid for the dull and slow, some of whom at the end of the year must inevitably drop behind, the course for such being practically seven years or more. The bright and active portion, however, have hardly work enough to keep them busy and must either wait for the majority or move on independently of them.

This defect of the graded school system has long been acknowledged, but, having been assumed to be inherent, no radical attempts to apply a remedy have been made until recently. The problem to be solved is, "How shall we give each pupil the opportunity of working and progressing to the extent of his ability without holding back one or unduly urging forward another?"

Its solution has been attempted in various ways. Hitherto in our own city competent pupils have been allowed to jump into a higher grade at any time during the year. In this way, in 1893, 285 pupils, an average of three to a class, have received a double promotion and gained a year. This plan is used in the city of Newton, where it gives satisfaction.

The chief objection to it is that it is only half a remedy. It provides for the bright ones but does nothing for the slow. They are still obliged to repeat their year's work, while a slower rate of progress or a few months of review would suffice. There are now in our city 553 of this class, an average of about four to a room, who are now going over the work of the year a second time. This



is necessary for some but not for others. Another objection is that it involves passing over some portions of the course superficially or omitting them altogether. It frequently entails vacation study and extra labor for the teacher and often proves too severe a strain for the delicate but ambitious child. In Cambridge, where the grammar school pupils are massed in a few large buildings, the work to be done has been arranged in two courses, one to be completed in six years and one in four. At two points in either course the pupil may pass from one into the other and so get through in the intermediate period of five years.

In other cities grammar schools have been re-organized with the six-year course divided into twelve grades five months apart. Two of these grades are placed in a room and promotions made semi-annually. In this way a jump from one grade to another covers but a half-year's work, while those that retrograde fall back only half as far as under the old plan. This system, however, still encourages superficial work, though to a lessened extent, and affords only a partial relief.

In our own city this plan has been tried to a limited extent, with the exception that the principle of two grades in a room has been extended downward to include primary schools.

Two obstacles stand in the way of the adoption of this plan in our city, however desirable it might be on the whole.

The most serious difficulty arises from the impossibility of our moving classes semi-annually from room to room. We admit to the High School but once a year, and our rooms are so crowded that it is not possible to reserve room in the master's grade for mid-year promotions. Another obstacle is the inapplicability of the plan to schools already having two grades in a room.

In the settlement of any question of school organization the controlling principle should be the greatest good of the greatest number. It will not be wise to make a violent change in the gradation of our schools simply to accommodate the bright or college-bound children without due regard to what is best for the great majority whose education ends in the grammar school. Our aim should be not to shorten our school course or to hurry children through it, but rather to improve the quality of the work within present time limits, and if need be, to add to its quantity for the benefit of those

capable of doing more. A pupil entering school at five years of age, and passing through our schools without interruption will be graduated from our grammar schools at fourteen or fifteen, and be ready to enter college or technical schools at eighteen. This is early enough for all girls and for most boys, though an exceptionally strong and bright mind may gain a year to advantage. Let us then provide facilities for the more rapid progress of the very few. Let us not discourage the slow by useless repetitions. Let us give to the great majority of average pupils thorough and careful instruction in those studies that have the greatest educational value and best equip the child for the future. Let us awaken the interest and kindle the enthusiasm of all our pupils, making our schools so valuable and so attractive that they will retain all who enter them to the end of the grammar school course at least.

Careful consideration of the problem of gradation leads to the following recommendations of what seems on the whole best for the present:—

1. Let the grading of the primary schools remain as it is.

The three primary grades are already divided into from two to four sections each, according to ability and attainment. This affords sufficient flexibility to permit the promotion of pupils whenever age or other circumstances render it wise.

2. Let the ninth grade also remain as it is.

A year in this grade is worth as much as two years in previous grades. The instruction is the best afforded in the course. It is given by men and by the ablest women in our entire corps of teachers. It is important that the largest possible number should receive this superior instruction, and that they should have it all the year round. Hence the ninth-grade rooms should be filled at the beginning of the year and kept so till its end. The class may be separated into two sections that all may be occupied to the best advantage. If more work is needed for the brightest pupils the course can be extended as may seem wise.

3. The remaining five grammar grades, from the fourth to the eighth, inclusive, should be divided into two independent sections, according to ability. Each section should advance as rapidly as possible, the second section completing one-sixth of the grammar course during the year, and the first doing as much more as can be done thoroughly. At the end of the year the entire class should

move on together, each section beginning work where it closed the year, and advancing according to ability. The gap between the sections will widen from year to year, but not necessarily at a uniform rate. If, at any time in the year, or in the course, it shall appear to the principal that it will be better for any pupil to be transferred into a higher or a lower grade, he should have the power to make the change.

A departure should be occasionally made from our hitherto almost invariable custom, and teachers be promoted with their classes whenever it seems to the principal and superintendent to the advantage of the class. It should be understood by teachers that they may be called upon to do the work of one grade this year and that of a higher or a lower grade the next year.

The rate of progress of the advanced section of any class may not be the same from year to year. It may not be uniform in all sections of the city. Classes differ, schools differ, teachers differ, children differ, and the system should be elastic enough to be readily adjusted to these differences.

The plan here recommended will do no sudden violence to our present system of classification, the transition being gradual. It will apply equally well to all schools. It will not disarrange the work in drawing, music, penmanship or sewing by compelling omissions or repetitions. It will secure all the advantages of the sub-division of classes. It will keep all pupils busy, giving the capable ones an opportunity to move on and gain time. It will lessen the disadvantage of those that are obliged to remain more than a year in a class. It will demand of the slow only what they can do. It will increase the pupil's time for study, and develop in him the power of abstraction. It will throw him more upon his own resources. It will encourage his self-activity. It presents to the individual a goal to be reached independently of his companions. It affords the teacher more opportunity to study the child. It lessens the number whose attention is to be fixed and retained, bringing it nearer the ability of the average teacher. It secures the best instruction to the largest number. It stimulates both the teacher and the taught to do their best work. If a teacher retains her class two or even three years, no time is lost in learning the disposition and abilities of new pupils and the attainment of the class. What has been taught the previous

year is well known. Instruction can be adapted to future requirements. Discipline is made easier. The teacher broadens as the field enlarges. These, and other considerations lead to the conclusion that on the whole the plan recommended is better adapted to our schools and their present condition than any other.

## VII. MUSIC.

One twenty-fifth of our school time is devoted to the study and practice of vocal music. The time is the same in all grades. Two systems of instruction are in use, designed to secure the same general results but differing radically in their methods. These differences have so often been set forth and the claims of each have been so fully presented that repetition here is needless.

The National, or old system, is in use in the four upper grades, the Normal, or new system, in the five lower grades. In the upper grades a special music teacher is employed who gives weekly half-hour lessons, an equal time having been previously spent by the regular teacher. In the lower grades a supervisor of music directs the work, visits each class once in five weeks, spends twelve minutes in giving instruction to the class or help to the teacher, who gives practically all the instruction the class receives. To many of the teachers in the lower grades the system is new. It has had but a single year of trial in the fifth grade. The report of the supervisor, which is given below, presents fully the success and the difficulties which have thus far been met.

In the sixth grade the old system is substituted for the new. It is yet too early to judge whether this is to be done without loss of time. There are radical differences in the two methods, but if one is to continue to supplement the other these differences should be so minimized and adjusted that classes can pass from the one into the other without loss in any direction. If this cannot be done, it is only a question of when one shall give way, and the better remain. Each system is on trial, and their relative merits will be largely decided by the results attained.

Attention is earnestly called to what the supervisor says in her report concerning the lack of time to accomplish what she desires and what is expected of her. There are now ninety-seven classes

that demand her supervision. The work required and the time afforded are wholly incommensurate. Another day should be added to the time used by the supervisor. Three days will allow of monthly visits and a longer period of instruction. The recommendation is elsewhere made that ten per cent of the time now given to physical training,—ten minutes weekly,—be added to the music time.

### VIII. DRAWING.

Whether considered from the educational, the utilitarian, or the æsthetic point of view drawing deserves the important place in our course of study which it has gradually won during the last ten years. It furnishes manual training, industrial education, the development of the artistic sense. It trains the hand, the eye, the judgment, the sense of proportion and harmony. It creates and develops a correct taste and the love for what is beautiful in nature and in art. It is intimately related to other studies. Our methods are progressive and an effort is being made by our enthusiastic and efficient supervisor, Miss Balch, to extend and develop our work along industrial and artistic lines. Attention is called to her report and suggestions.

She says:—

“Everybody has noticed, doubtless, that little children naturally incline to express themselves by drawing, and that they are not afraid or ashamed to talk with the pencil, even though a critical eye may not always be able to understand readily this language of innocent childhood. Why is it that after a few years this inclination so completely disappears? Is it possible that nature has implanted in the baby’s mind the germ of a growth intended just to spring above the ground and then wither away leaving no trace behind? Is it not just possible, on the other hand, that the tender shoot dies from lack of fostering care? Perhaps the food provided may be wanting in some element essential to the thriving of this little plant. Perhaps the sunshine of loving appreciation is withheld; or it may be that the gentle rain of instruction, which helps to put the food in proper form for absorption, forgets to fall.

It has been hoped that this natural inclination of the child to draw, be the expressions in the beginning never so crude, might result in something of real value and pleasure to the boys and girls of older growth. It has been hoped that the child would not only be encouraged to give expression to the images, however imperfect, with which his little mind is peopled, but that he might also gradually be led to feel that drawing has something to do with seeing, and that the better he sees the more fully he is able to express himself.

To aid in bringing about these results the little ones in the lower grades are occasionally asked to illustrate, in their own way, stories or poems told or read; and in all grades the pupils are encouraged to bring in, each week, drawings from real objects in which they are interested at home.

It is hoped, that, with this work to supplement the regular course of instruction in school, we shall take a decided step towards placing drawing where it ought to be, and towards making it a means of ready expression of individual thought and feeling.

To aid in the teaching of the history of ornament, we need in each grammar school several good books of reference upon this subject, and also a few casts and photographs or prints illustrating the different architectural styles. There is no study which possesses a stronger fascination for children of all ages than this of historic ornament, and certainly none can claim a higher culture value than this.

The teachers are working with earnestness and often with enthusiasm, and in many cases are encouraging the pupils to use drawing in connection with other studies and to bring occasional sketches from home."

## IX. SEWING.

Our progress in this very practical branch of industrial instruction is well set forth by the sewing teachers themselves.

Miss Boyd writes:—

"Sewing is taught at present in the fourth, fifth, sixth and seventh grades in our schools.

The first five months are devoted to practice work, while during the last five, the pupils bring material from home and are taught to cut out and make some garment or article that will include the stitches and lessons taught in the practice work.

I have found more time to devote to teaching since the yearly exhibitions have been discontinued. The pupils make more improvement as all can now receive equal attention.

The interest in the work seems undiminished, and pupils are nearly always present on sewing day."

Mrs. Coffin's report is as follows:—

"The introduction of sewing in 1888 was an experiment, but its steady growth in favor and in practical results, shown particularly in home work, proves its success, and gives it a permanent place in the school-room. Much of this success is due to the careful grading of the work, under what is known as the "Somerville Course of Sewing." This course covers a period of four years, corresponding to the first four years of the grammar school, and the work of each year is adapted to its own grade, the teaching being largely class instruction and the work of the class uniform. The results have been very satisfactory, and the gain in time unexpected and gratifying. Judging from this year's work, we shall accomplish the schedule set down for three years in two. It is not easy to give a definite reason for this. The gain has been gradual, but two causes are evident. At first, the scholars were entirely ignorant of the manner of teaching, and of what was expected of them; the teacher had no definite course of instruction; it was in process of making. To-day the children are perfectly familiar with the methods and requirements, the teacher is equally familiar with the work and tries no experiments, and so, much time is gained by teacher and scholar.

Since our last report two exhibitions have been called for, one at the High School, June 17, 1892, where each pupil was represented by a garment of her own making, and one for the World's Fair at Chicago. The Chicago exhibit consisted of thirty-five "Teacher's Models," each representing one step in the graded work, and of numerous articles, including a wardrobe for a child one year old, made by pupils of each grade and showing the combined results of teaching by models in a single garment. Each year was repre-

sented in such a way as would best show the gradual development from the foundation stitches which make a pillow-slip, to the more elaborate work required for an infant's dress. The "Teacher's Models" were small pieces of cloth, six inches by four, made by the teacher to show her especial manner of systematizing and teaching the work year by year. The whole work was condensed as much as possible, and was intended to display a method of teaching which trains mind, eye, and hand, and gives far greater results than the mere mechanical setting of fine stitches. The exhibit was handsomely mounted on cards twenty-two by twenty-eight inches enclosed in fifteen boxes with glass fronts. It was not entered for an award and of course received none. The Director of the Massachusetts exhibit, Mr. George E. Gay, writes as follows:—

‘I have written to General Eaton, the Chairman of the Board of Examiners in this department, as strong a letter as I could, calling his special attention to the excellence of the Somerville exhibit in drawing, in color-work, and in kindergarten, and saying that in my judgment the Somerville sewing exhibit was the most satisfactory exhibit in its form, quality, and arrangement of all the exhibits in this department that I saw.’

In June upwards of one hundred pillow-slips made entirely in school as part of the regular instruction were sent to the Somerville Hospital, a voluntary contribution from the children of the fifth grade. These results combined with the steadily increasing interest of the scholars in the work and the gratifying reports from the homes prove that much is done in this line of work for the permanent good of the pupil.

The necessity that compels a teacher either to crowd all the pupils of one building into five classes, often combining two different grades, or to cut short the allotted time, in order to visit other buildings, is to be deplored. A class of thirty-five beginners receives forty-five minutes' instruction while a similar class of twenty elsewhere receives an hour. A class of fifty-three, combining two grades is given one hour, while a single grade of seventeen girls in another building receives the same time. This is an



obvious injustice as the results plainly show by comparison, but no remedy at present appears."

## X. PHYSICAL TRAINING.

Nearly seven per cent of our school time is taken for physical exercises under what is popularly known as the Ling System of Swedish gymnastics. Several years ago when the system was introduced a director was employed for a single year and instruction given to teachers. Under her supervision the work was begun and enthusiastically carried to a certain point. Since then the regular teachers have continued the exercises with varying success, as is the case with any kind of school work. Some have taken private lessons in extension of the course and have applied them in their schools. On the whole there has been a diminution of interest on the part of both teachers and pupils. The repetition of exercises without material change or addition has become somewhat monotonous. Interest, enthusiasm, spirit, vim are essential to the best results. The least portion of the value of these exercises is found in their effect upon the general physical condition of the children, although this is considerable. They develop the power of close and fixed attention, they demand prompt obedience, they bring the body under the immediate control of the will, they improve the *morale* of the school. They are the poorest where the teacher's power to discipline is the weakest.

A revival of interest in this line of work is needed, and may be secured with an outlay small as compared with results, by a series of lessons to teachers given by a competent instructor in extension of the course. Not only the teachers who have more recently been employed, but the entire corps would be greatly benefited thereby. It is also recommended that the time given to physical training be lessened ten per cent and that the time given to music be correspondingly increased.

## XI. PENMANSHIP.

Of all the branches taught in our schools Penmanship has the least educational value. It is purely a mechanical process. It is one of the "three R's", however, and is an essential

practical element of a common school education. It consumes eight per cent of our time, and yet the results are in general unsatisfactory. After all the direct instruction and the abundant practice that children have, it is a justifiable expectation that a grammar school graduate shall be able to write legibly, rapidly, and in pleasing form. The few do, the many do not. The secret of the failure lies in the fact that twice as much time is required to uproot as to form a bad habit. In the lower grades much writing is required and executed in cramped and unnatural positions. Bad habits then become fixed, which the upper-grade teaching and practice have thus far proved powerless wholly to remove and replace.

Teachers are not at fault. The pressing demands of the situation, which require a large amount of written work of the child before he has been sufficiently trained to write with proper position, movement, and form, are responsible.

An attempt at radical reform is now making in all our schools. The twigs are being bent in the right direction. Under the authority of the Committee on Industrial Education the "Natural Movement Method of Writing" was introduced into the schools in September last and its author, Mr. Charles R. Wells, was employed to direct and instruct teachers. Thus far the success of the system has been gratifying. Cramped and unnatural handwriting is being replaced by that which is legible and graceful and produced by a natural, easy movement of the hand and arm that promises to break up old habits and establish new and correct ones in their place. There will be grave disappointment on the part of teachers and superintendent if excellent permanent results are not secured.

## XII. DISCIPLINE.

It would be difficult to find disorderly schools in Somerville. As a rule the children are well-behaved, industrious, courteous, and contented. It is no easy task to secure these results with large classes. It requires patience, tact, skill, resources, the power to interest and keep busy. There are unruly, disobedient, and truant boys in our schools just as there are lawless, cor-

rupt, and criminal men in our communities. Neither the boys nor the men can be wholly controlled by moral influences. Hence the occasional appeal to force, always reluctantly made, but required for individual and general good. During 1893 the instances of final resort to corporal punishment have happily diminished twenty per cent. Eighty per cent of all the punishments were almost equally distributed among the grades between the second and the sixth, inclusive. This gratifying diminution shows an increase of moral power in teachers and inspires the hope that the use of force in our schools may gradually lessen until the absolutely necessary minimum is reached.

### XIII. ECONOMY OF TIME.

Nominally our school year contains forty weeks. In 1893 the schools were in session thirty-seven weeks lacking a half-day. This loss of seven and a half per cent of the time was occasioned as follows:—

School holidays . . . . .	12 half-days
Stormy weather . . . . .	8 “
Last half-week in June . . . . .	5 “
Thanksgiving recess . . . . .	3 “
Middlesex County Teachers' Association . . . . .	2 “
Ex-Mayor Pope's funeral . . . . .	1 “
	—
Total . . . . .	31 half-days

Six per cent of these thirty-seven weeks was lost by the absence of pupils, much of it doubtless necessary and much avoidable. Children are often kept from school for trifling reasons, and thus incur the loss of school advantages and form the habit of neglecting business for what is unimportant. Schools of the same quality in different localities exhibit marked contrasts in this respect, showing that the influence of the teacher may make itself felt to secure regularity of attendance.

There have been 3,375 tardinesses during the year, a slight decrease over 1892. While this is less than a single tardiness

out of 700 opportunities, the number is needlessly large. The loss of time is considerable, the interruption to school work and the attendant trouble are much more, but the fixing of a bad habit is worst of all. Experience proves that the evil of tardiness may be reduced to a minimum, and the general habit of punctuality in the discharge of school duties be made to replace it. An improvement in this particular is predicted for 1894.

Additional loss of time is occasioned by the custom of dismissals of which there have been 2,852 during the year. If parents realized how seriously the dismissal of children may interfere with the work of the school, requests for such favors would be made only in cases of urgent necessity.

In these days of pressure every moment of the school day should yield its full value. Some schools waste by littles ten minutes daily. This is the loss of a week per year. In some buildings the majority of pupils will be found at their desks and at work fifteen minutes before the hour. They gain two weeks of time annually in this way, besides being freed from exposure to the frequently pernicious influences of the play-ground.

In the ideal school every moment is utilized. The teacher comes early; her own preparation of the day's lesson is previously made; every exercise has been planned; ink, paper, pencils, books, slates,—everything is in its place ready for methodical distribution; promptly on time the doors are opened and pupils are seated and begin work, the blackboard furnishing ample directions; with the stroke of the clock, school is opened; each exercise begins and ends at the appointed time; the transition from one line of business to another is quickly and noiselessly made; there is no delay, no dawdling, no hurry. The silent influence of such a school for good is incalculable. Why should it be exceptional save that it requires energy, system, life, tact, ability in the teacher?

#### XIV. SCHOOL SUPPLIES.

The cost of text-books, stationery, and other supplies for 1893 is \$10,157.88. This is \$1.41 for each one of the 7,217 children in regular attendance. One of the evils of the free text-book system is that it teaches children to undervalue books and

to be careless and wasteful in the use of the material furnished them. Valuable lessons in thrift may be taught, a suitable regard for the rights of property-owners may be inculcated, the proper treatment of books may be learned, provided teachers insist on what is right in these directions. Doubtless not only pupils but teachers themselves grow to feel that whatever is free costs nothing and may be freely used. Economy in the use of supplies besides teaching profitable lessons, will save the city money needed for other purposes.

As far as practicable a child should use the same books throughout his entire course. Even with good care, after this has been done the books are of comparatively little value to the city. They may be of great value to the child, however, for future use and reference. It would be well to establish a rule that every grammar-school graduate should be allowed to retain certain of his books provided no injury has been wilfully done them while in his possession.

Hereafter, in the supply department, a careful account will be kept with each school for the year. Comparisons will indicate, possibly, whether economy or extravagance prevails.

## XV. FRIENDLY CRITICISM.

During the year, our schools were visited by a gentleman who stands high in educational circles, a close observer and friendly critic. The attention of teachers is called to his suggestions, which he briefly sums up as follows:—

1. That teachers think out carefully the purpose as an educational factor of the branch they are teaching, and the method of attaining their end, and in class-work that they stick to their purpose, without permitting themselves to ramble, or be led away by minor and unproductive details.

2. That they avoid talking too much, and especially avoid helping the pupils out by repeating and completing their crude answers. The pupils should be required to clear up their own statements, otherwise these statements will always be crude.

3. That teachers should try, if possible, to forget that the divisions they are teaching are made up of the duller, or slower, or

less ambitious scholars. I would not be unjust in my criticisms, and I hope I am not, but I fear that some of the lack of interest in some of the classes is due to a feeling among the pupils, half caught from the teachers, that they are considered a poor division from which little is to be expected. I hope I am wrong in this suspicion. Nowhere in a school is good teaching so much needed, and nowhere has it such an opportunity to show itself, as with slow and unambitious scholars; and no secret should be more carefully kept from the pupils, than that the teacher thinks them dull.

### XVI. TRUANCY.

Attention is invited to the statistics of the truant officer, which indicate an increase in truancy in 1893, as compared with former years. This increase may be ascribed, in part at least, to the influence of boys not in attendance at public schools. Teachers, parents, and public officials of all kinds should co-operate for the suppression of this evil. Truant boys are the very ones that most need the restraining and uplifting influences of the schools to replace what the home cannot, or will not, do for them. They furnish recruits for the vicious classes in every community. All the power of the teacher should be exerted for their reclamation. Habitual truants should be promptly sent to the truant school, not only for their own good, but to protect others from their evil influence. Nothing restrains crime like the prompt and impartial execution of the law. Embryo criminals, like the full-fledged, often mistake leniency for indulgence, and very quickly learn to place a fitting estimate upon promises of punishment. Severity in dealing with truancy is the greatest kindness to the offenders themselves, and to the schools they corrupt.

#### TRUANT STATISTICS FOR 1893.

Number of visits to schools . . . . .	747
Number of absences investigated . . . . .	596
Number of cases of truancy . . . . .	159
Number of truants arrested . . . . .	13
Number sent to House of Reformation . . . . .	4

## XVII. CONCLUSION.

A better opportunity for observing and studying the conditions and needs of our schools than that afforded by a four months' incumbency of the office of superintendent, will undoubtedly lead to more nearly correct conclusions, but at the present time it appears that our schools as a whole are accomplishing the results for which they are established and sustained, in as satisfactory a way as their crowded condition allows. Careful, thorough, intelligent work along existing lines, is what is needed for the present.

Changes in courses and methods are rendered inevitable by the progress of events and the constant changes in our industrial and social conditions. Without allowing ourselves to be led away from the well-established highway by every *ignis fatuus* that springs up along the roadside, we must ever be ready to surrender what is old and to adopt what is new, provided always that reason and experience show the change to be for the positive advantage of the schools whose interest we must conserve at whatever cost.

The incorporation of the kindergarten as the foundation of our school structure, the adoption of manual training in wood work and mental work, provision for instruction in domestic art and science, the employment of special instructors in nature-work and physical training, the extension of the time of specialists already in service,—all these are very desirable and will ultimately be secured, but they must be deferred until all parts of our city can alike share their advantages. The most pressing need is so to increase our school accommodations that every child of school age in Somerville may have a comfortable seat five hours in every day in an uncrowded school-room whose air and light and heat shall be the best that modern science affords. This need supplied, the number of pupils assigned to a single instructor should be reduced to a teachable limit. To secure these desiderata will sufficiently tax our financial resources for the present. Nor for these purposes will appropriations be withheld by a government always generous in supplying the necessities of the public schools.

For upon the schools more than upon all other agencies combined, depend our future welfare and prosperity. Let their interests then be guarded and fostered with jealous care. Give them

the best teachers, good houses, suitable appliances, wisely arranged courses, watchful supervision, severe but intelligent criticism, generous moral and material support, and the reward will come in the virtue, in the loyalty, in the intelligence, in the happiness of the future citizens of Somerville.

The superintendent wishes gratefully to acknowledge his personal indebtedness to the members of the School Board for their kind consideration and support, as well as his obligations to the teachers of the schools, one and all, for their hearty sympathy and co-operation.

Respectfully submitted,

G. A. SOUTHWORTH, *Superintendent.*

December 26, 1893.



## APPENDIX.

## GRADUATION EXERCISES OF CLASSES OF 1893.

## HIGH SCHOOL.

The forty-first annual exhibition of the High School occurred on Tuesday, June 27, at the First M. E. Church, in the presence of a large and interested concourse.

After the completion of the programme His Honor Mayor William H. Hodgkins presented diplomas to the eighty-two members of the graduating class.

The following was the

## ORDER OF EXERCISES.

PRAYER.

REV. ANDREW R. MOORE.

SINGING.\*—Latin Hymn: "Jesu, dulcis memoria." *D. Buck*  
 Hosanna in the Highest (with orchestra  
 and organ). *J. Stainer*

1. SALUTATORY IN LATIN. JOHN A. COVENEY

2. ESSAY. *Indolence.* MARJORIE B. HALL

3. DECLAMATION. NATIONS AND HUMANITY. *Curtis*  
 HOWARD J. RUSSELL.

4. READING. AUNT HITTY'S GOSSIP. *Wiggin*  
 ADDIE B. BYAM.

5. Zehn Minuten vor dem Gabelfrühstück. WRITTEN BY BERTHA H. HAMLET  
 ANNA L. FILLEBROWN. MAUD S. RICHARDS.  
 LENA S. FREDERIKSON. ANNIE B. RUSSELL.  
 J. LOUISE GORDON. FANNIE W. SHEPARD.  
 BERTHA H. HAMLET. CLARA C. ZOELLER.  
 CAROLINE S. HOFFMAN.

SINGING.—HUNTING SONG. *H. K. Hadley*

6. ESSAY. *Winter's Leisure.* EMMA E. NORCROSS

\*Singing accompanied by Hadley's Orchestra.

7. From "Coriolanus." (Original Version in Greek.)  
 HAROLD C. BAILEY. ARTHUR A. HODGMAN.  
 DANIEL H. BRADLEY. FRED C. HOSMER.  
 EDMUND F. CLARK. WILLIAM G. NASH.  
 MILTON E. FISH. GEORGE E. REYNOLDS.  
 GEORGE F. FORTIER. HARRY F. SEARS.  
 CLIFTON D. GRAY. NATHANIEL J. K. WOOD.

SINGING.—Unison Solo: The Lost Chord (with orchestra and organ) [by request]. *Sullivan*

## RECESS.

MUSIC.—Concert Overture: Hector and Andromache.  
 (First performance. Conducted by the  
 composer.) *H. K. Hadley*

SINGING.—Semi-Chorus: Row us lightly, Gondolier.  
 (Girls' voices.) *Campana*

8. Le Francais en Amerique.  
 MABEL L. BLAKE. GERTRUDE F. GRAY.  
 GRACE M. CHASE. BERTHA E. HOLDEN.  
 LILLIAN E. CLARK. CHARLES A. BROWNING.  
 ELANOR F. GOODRICH. ARTHUR B. DAVIS.

FRED C. HARLOW.

9. READING. HOW SALVATOR WON. *Wilcox*  
 GEORGE H. GALPIN.

10. CLASS POEM. EDITH N. W. SANBORN

SINGING.—Fairyland Waltz. *Veazie*  
 (Arranged for Orchestra by S. Henry Hadley.)

11. READING. A CUTTING FROM THE STORY OF PATSY. *Wiggin*  
 MARY F. STANIFORD.

12. PROPHECIES. GERALDINE BROOKS

13. VALEDICTORY. { *A Backward Look.* MABEL E. BOWMAN  
 { *A Forward Look.* CAROLINE M. DAVIS

14. PRESENTATION OF DIPLOMAS

By His Honor Mayor William H. Hodgkins.

15. PARTING HYMN. WRITTEN BY ALICE B. EDMANDS

## MEMBERS OF THE GRADUATING CLASS.

- Dora Albonetta Bailey.  
 Ethel Townsend Bartlett.  
 Sarah Alice Battelle.  
 Mabel Laurenda Blake.  
 Ella Margaret Bragg.  
 Flora May Burgess.  
 Carrie Augusta Butters.  
 Addie Belle Byam.  
 Loretta Elizabeth Byam.  
 Flora Augusta Chabot,  
 Grace May Chase.  
 Lillian Estelle Clark.  
 Fannie Ethel Coffin.  
 Isabella Marie Daly.  
 Alice Bartlett Edmands.  
 Katharine Adelaide Flynn.  
 Elanor Frances Goodrich.  
 Jennie Louise Gordon.  
 Gertrude Florence Gray.  
 Marjorie Bingham Hall.  
 Caroline Sears Hoffman.  
 Bertha Eliza Holden.  
 Mary Louise Hoyt.  
 Maude Eleanor Libbey.  
 Annie Victoria Lund.  
 Esther Maud Mayhew.  
 Emma Estelle Norcross.  
 Caroline Moseley Potter.  
 Annie Burdett Russell.  
 Edith Weston Sanborn.  
 Fannie Whitney Shepard.  
 Florence Louise Smith.  
 Mary Frances Staniford.  
 Florence May White.  
 Harriet Isabelle White.  
 Caroline Winslow.  
 Mabel Imogene Young.  
 Clara Catharine Zoeller.  
  
 Arthur Eugene Atwood.  
 Charles Edwin Bliss.  
 Harold Everett Boardman.  
 Charles Augustus Browning.
- Elwell Robert Butterworth.  
 Arthur Bertrand Davis.  
 George Ellis Densmore.  
 John Stetson Edmands.  
 George Henry Galpin.  
 Fred Caldwell Harlow.  
 Willis Bradlee Hodgkins.  
 Bernard Jacobson.  
 George Sweetser Munroe.  
 Elmer Sheridan Olmsted.  
 Charles Lyman Peirce.  
 Edwin Chapman Perkins.  
 Howard Irving Russell.
- Course Preparatory to College.**
- Harold Colburn Bailey.  
 Daniel Henry Bradley.  
 Edmund Foster Clark.  
 John Archibald Coveney.  
 Milton Ernest Fish.  
 George Ferdinand Fortier.  
 Clifton Daggett Gray.  
 Arthur Ames Hodgman.  
 Frederic Charles Hosmer.  
 William Wentworth Kennard.  
 George William Morris.  
 William Gibbs Nash.  
 George Edmund Reynolds.  
 Harry Franklin Sears.  
 Nathaniel Knight Wood.
- Mabel Emily Bowman.  
 Geraldine Brooks.  
 Caroline Means Davis.  
 Anna Louise Fillebrown.  
 Lena Sophia Frederikson.  
 Esther Louise Gage.  
 Bertha Hadwen Hamlet.  
 Alice Emma Le Gallee.  
 Lizzie Josephine Le Gallee.  
 Maud Sophia Richards.  
 Mary Genevieve Smith.  
 Amy Bailey Sylvester.

## GRAMMAR SCHOOL.

The graduation exercises of the Grammar Schools were held at the First M. E. Church, Union Square, on Thursday evening, June 29. Three hundred and ninety-nine graduates received diplomas at the hands of His Honor, Mayor Hodgkins.

The following is the

## PROGRAMME.

## PART FIRST.

1. MARCH. (Parting), from Symphony "Lenore." *Raff*
2. \*SINGING. CHORUS. "The Sun Shall Be No More Thy  
Light by Day." *Woodward*
3. PRAYER. *REV. I. H. PACKARD*
4. SINGING. DUET AND CHORUS. "I Waited for the  
Lord." *Mendelssohn*  
MASTER WALTER ANDERTON AND MISS FLORENCE STODDARD.
5. ADDRESSES.

HON. FREDERICK T. GREENHALGE.

MRS. KATE GANNETT WELLS.

## PART SECOND.

6. SINGING. SEMI-CHORUS. "The Water-Nymphs." *Smart*  
(Girls' Voices.)
7. ADDRESS TO THE GRADUATES AND CONFERRING  
OF DIPLOMAS.  
MAYOR WILLIAM H. HODGKINS.
8. SINGING. VOCAL MARCH. "Hark! They Come." *Veazie*

\*Singing accompanied by Hadley's Orchestra, under the direction of S. Henry Hadley, teacher of music in the schools.

## GRAMMAR SCHOOL GRADUATES.

SCHOOLS.	NUMBER RECEIVING DIPLOMAS.	NUMBER CERTIFICATED FOR HIGH SCHOOL.	NUMBER THAT ENTERED THE HIGH SCHOOL.
Prescott . . . . .	41	40	22
Edgerly . . . . .	46	44	22
Pope . . . . .	34	24	17
Knapp . . . . .	39	29	21
Bell . . . . .	50	38	37
Forster . . . . .	59	44	37
Morse . . . . .	63	50	31
Highland . . . . .	67	64	53
Total . . . . .	399	333	240

## PRESCOTT SCHOOL.

Edward M. De Almeida.  
 Ida M. Ayer.  
 George A. Bailey.  
 Sadie I. Bean.  
 Jennie Benton.  
 Edwin L. Bowker.  
 William A. Burgess.  
 Jennie A. Burke.  
 Elizabeth A. Coats.  
 Lillian T. Conly.  
 Benjamin R. Davis.  
 Edmund Freeman.  
 Ernest Garrett.  
 John F. Haley.  
 Gertrude D. Hall.  
 Lizzie M. Hanson.  
 Clarissa I. Harris.  
 George M. Hosmer.  
 Lizzie A. Hughes.  
 May A. Hulsman.

Mabel S. James.  
 Evelyn H. Lemos.  
 Augusta W. Longfellow.  
 Nellie E. McDonald.  
 Alice L. Munroe.  
 Ida F. Nickerson.  
 Harry B. Osgood.  
 Ethelyn E. Parsons.  
 Charlotte H. Price.  
 Arthur G. Sargent.  
 Converse N. Shedd.  
 Grace E. Snow.  
 Maud L. Strout.  
 Lottie E. Tompkins.  
 Esther E. Waugh.  
 Lena Williams.  
 Frances J. Wilson.  
 George T. Wood.  
 Bertha L. Wright.  
 Grace G. Yeaton.

## EDGERLY SCHOOL.

Clara E. Alger.	Mary Lester.
Frederick G. Backus.	Frank Lewis.
Irving M. Brackett.	Harry F. Lovering.
Mabel S. Cole.	Percival L. Lowell.
Clara G. Coldrick.	Gertrude E. Mills.
Margurite A. Collins.	George N. Moody.
Harry A. Conway.	Frank E. Morrison.
George M. Crowell.	Bertram L. Mosher.
Mary E. Davis.	Hattie L. Nash.
John J. Dellea.	Martha R. Orton.
Josephine L. Downey.	Hobart S. Palmer.
Susan L. Drew.	Willard A. Palmer.
Ernest S. Goodspeed.	Lyle F. Perkins.
Mary C. Haney.	Walter F. Pratt.
Russell T. Harrington.	Bertha F. Richards.
Grace M. Hicks.	Lillian L. Rolfe.
Bertha Hodson.	Mabelle F. Runey.
Arthur M. Hooper.	Mabel F. Sellon.
Jeannette L. Humes.	Frederick B. Shattuck.
Virnal M. Jones.	Alvin Taylor.
Herbert E. Junkins.	Ida F. Whitney.
Peter Kelly.	Ernest C. Wing.
Mary A. Kelly.	Charles A. Woodbridge.

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 CHARLES G. POPE SCHOOL.

Marie L. Ambrose.	Charles B. Kelly.
Harry J. Bartlett.	Willie G. Martin.
Frederick C. Bean.	Clarence C. McConnell.
Garfield A. Brown.	George H. McVey.
Ethel M. Burton.	Florence E. Messer.
May A. Byam.	Fred A. R. Mixon.
Harry G. Cavanagh.	Marion H. Niles.
Kathleen Cavanagh.	George H. Rees.
Lulu Corey.	Harry E. Rich.
Everett S. Davis.	Myron W. Robbins.
William A. Desmond.	John A. Rooney.
Michael J. Devine.	Louis W. Sherry.
M. John Diggins.	William H. Travers.
James W. Fay.	Alice L. Wilkins.
Edith G. Fosdick.	James A. Williams.
Joseph C. Harrington.	William H. Williston.
Allen M. Headley.	S. Alice Wilson.
Annie H. Hudson.	Amala A. Zeigel.

## LUTHER V. BELL SCHOOL.

Frank F. Armstrong.	Paul H. Kelsey.
William C. Armstrong.	Alice M. Kennedy.
Margaret A. Baird.	Ralph E. Kibbe.
Janette B. Bernard.	Mary L. King.
Charles A. Blaisdell.	Rufus E. Lord.
John J. Breen.	Ralph S. Loring.
Charles M. Butters.	Alice L. McFadden.
Ethel M. Butterworth.	John F. McGann.
Marion A. Bown.	Helen I. McMaster.
Alonzo W. Bowers.	George H. Maddox.
Pearl F. Chace.	Matilda Norris.
Avis L. Clement.	Harold W. O'Leary.
Margaret V. Cullen.	Jennie M. Patterson.
Hermon L. Dodge.	Joseph E. Patterson.
Willard W. Dow.	Lewis N. Pennock.
Roland W. Felch.	Alice L. Priest.
Henry K. Fitts.	Loring H. Raymond.
Stanley E. Flewelling.	Ernest A. Saunders.
Gertrude C. Gilpatrick.	Edith M. Shearer.
David Govan.	Karl T. Small.
Evelyn N. Grove.	Ralph S. Smalley.
Mary E. Harwood.	Flora B. Stetson.
Montie L. Hemenway.	Ralph A. Sturtevant.
Myrta A. Hill.	F. Waldo Swan.
William S. Howe.	Leslie T. Vinal.
Fred Hunt.	William D. Wahlers.
Shirley M. Hunt.	Hardie M. Waining.
A. Alonzo Huse.	Alice A. Wilson.
Charles A. Jackson	Mary W. Woodman.
Louis V. Joyce.	Thomas Young.

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 OREN S. KNAPP SCHOOL.

Calla E. Belcher.	Edward J. Flood.
Minnie Brooks.	Helena M. Flynn.
Louis E. De Bondy.	Frances E. Gallagher.
Edward B. Casey.	Marion C. Gragg.
Edward J. Cotter.	George F. Hagen.
Sarah J. Daniels.	Inga M. Hansen.
Charles H. Denvir.	John A. Harrison.
Florence J. Denvir.	Robert W. Houley.
Frank G. Dias.	Winifred E. Kellogg.
Esther C. Farnum.	William H. Kenny.

Mabel M. McDowell.  
 Samuel N. McGarrity.  
 Myrtle L. Melick.  
 Robert J. Morrison.  
 Jennie E. Mulliken.  
 Edward D. Murphy.  
 Michael F. Norton.  
 Blanche Patterson.  
 Sarah L. Pike.

Joseph H. Roche.  
 Leo A. Rogers.  
 Helen E. Salisbury.  
 Jennie F. Salisbury.  
 Norwood K. Silsbee.  
 Joseph F. Stack.  
 Julian P. Twitchell.  
 James F. Ward.  
 Charles F. White.

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FORSTER SCHOOL.

Axel M. Anderson.  
 Gracia E. Bacon.  
 Laura Barker.  
 Eula F. Bement.  
 Virena Louise Bisbee.  
 Jeannette M. Bradbury.  
 Susie Laura Briggs.  
 Waldo C. Brown.  
 C. M. Gertrude Bryan.  
 James Corbett.  
 Carrie B. Couch.  
 Wilfred A. Couch.  
 Annie A. Hagerty.  
 Blanche Haley.  
 Ethel G. Hall.  
 Frank Q. Harrington.  
 Austin Foster Hawes.  
 Carrie C. Hoyt.  
 Ethelle A. Jacobson.  
 Rayna Jacobson.  
 Clara Rosina Jones.  
 Charles L. Kyle.  
 Blanche E. Lyon.  
 Katie Macdonald.

John A. McNabb.  
 Eugene Leo Maguire.  
 Edmund S. Marble.  
 Florence E. Mercer.  
 Seneca S. Merrill.  
 William E. Mulliken.  
 Alexander E. Nelson.  
 Susie G. Palmer.  
 Bertha A. Perham.  
 Annie S. Pigott.  
 Florence May Pratt.  
 Annie E. Robinson.  
 William Shaw.  
 Alice E. Spike.  
 Florence Harriet Sproule.  
 Guy W. Staples.  
 Emma M. Thacher.  
 Justina J. Ulm.  
 Ada C. Walker.  
 Eleanor Louise Walker.  
 Alice B. Watts.  
 Elbridge R. Welch.  
 Florence L. Whitney.  
 Alfred A. Wyman.

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MORSE SCHOOL.

Bessie Webb Appley.  
 Olive Bertha Banks.  
 Hugh Richard Blackwell.  
 William Richard Boyle.  
 J. Frank Bridge.  
 Alfred J. Brine.

Harriet E. Brown.  
 Josephine E. Brown.  
 Herbert Fiske Browne.  
 Edith N. Browning.  
 Christina V. Buckley.  
 Alice E. Carlton.



C. Herbert Cathcart.	John Kelly.
Warren L. Colby.	Annie E. Kennedy.
Richard Joseph Cotter.	John T. Kiley.
E. Tamzine Cox.	Margaret A. Kilmartin.
John Greenleaf Davenport.	Edward E. Landers.
Mary V. De Coster.	Charles A. Mentzer.
George B. Doane.	John A. McFarland.
William E. Doherty.	Cortlandt T. Nichols.
Stanley Richmond Ells.	Agnes Gertrude O'Neill.
Mary F. Elston.	Bertha Pierce Paul.
Albert E. Epps.	Joseph R. Pierce.
William H. Farrin.	Lucy A. Quick.
Fred A. Fellows.	Margaret B. Russell.
James A. Fulton.	Henry J. Ryan.
Juline C. Gilchrist.	Mary W. Ryan.
Frank Henry Gilmore.	E. Grace Shea.
Hermina L. Gretz.	Mabelle E. Swan.
Martha Louise Hale.	Carl Jacob Thornquist.
Francis Halnan.	Blanche V. Turner.
Dorothy C. Hamann.	Georgie F. Wade.
Susie Brine Harrington.	Thomas J. Walsh.
Ralph Hunter.	Joseph Harold Washburn.
Jennie Rachel Johnson.	Tressa E. Waterman.
Minnie Frances Jones.	L. Iola Wickstead.
George Henry Joslin.	Arthur Edward Wisdom.
Delia C. Keating.	

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#### HIGHLAND SCHOOL.

Walter E. Anderton.	George E. Countway.
Herbert G. Anderton.	John A. Cummings.
Susie M. Anderson.	Alice G. Currier.
Edith N. Bailey.	Warren L. Dalton.
Morris J. Bailey.	Ethel L. Dalton.
Stella C. Benson.	Bessie L. Forbes.
Agnes S. Birmingham.	Winnifred E. Freethy.
Sadie A. Bixby.	Mary F. Flynn.
Grace A. Browne.	Florence B. Fuller.
William B. Brown.	Blanche F. Gallagher.
Mary E. Blackall.	Walter J. Gardner.
Bertha L. Cameron.	Frances E. Goddard.
George W. Chandler.	Grace A. Gohring.
Alice J. Clifford.	Ernest H. Griffin.
George A. Colley.	Norris E. Hadley.
Gwendolen J. Cook.	Percy A. Hall.

Happie A. Hamlin.	Clarence A. Russell.
Henry G. Haskell.	Bertha A. Russell.
Edward M. Herrick.	Warren T. Ruston.
Lotta Hogg.	Louise J. Sears.
Walter A. Jacobs.	Lotta S. Shumway.
Gertrude Knight.	Wallace F. Stevens.
Isabel M. Leighton.	Florence P. Stoddard.
Arthur N. Makechnie.	Mabelle G. Swift.
Mary F. Mead.	Fred E. Tibbetts.
Louis Millionthaler.	Ralph M. Tracy.
Fred J. Nicol.	Fred Tucker.
Alice M. Owen.	Alice M. Vincent.
Walter L. Paine.	Georgiana C. Wallace.
Mabel M. Paine.	Cora F. Williams.
Edgar O. Parker.	Frederick Wood.
Florence M. Phillips.	Ned C. Yeaton.
Monica G. Pipe.	Julia G. Yerxa.
Jay E. Root.	

TABLE SHOWING THE NUMBER OF SCHOOLS AND PUPILS,  
DECEMBER 15, 1893.

DISTRICTS.	Number of Schools.	Number of Teachers.			Number of Pupils.	Number in Ninth Grade.	Average Number to a room.
		<i>a</i>	<i>b</i>	<i>c</i>			
East Somerville . . .	28	2	28	6	1,391	83	49.7
Prospect Hill . . . .	50	3	50	3	2,204	104	44.1
Winter Hill . . . . .	24	1	24	2	1,228	104	51.1
Spring Hill . . . . .	25	1	25	5	1,184	66	45.4
West Somerville . . .	16	1	16	3	815	78	50.9
Totals . . . . .	143	8	143	19	6,822	435	47.7

- a.* Principals of ninth-grade grammar schools.  
*b.* Regular teachers.  
*c.* Assistants.

TEACHERS IN SERVICE DECEMBER, 1893.

SCHOOLS.	TEACHERS.	WHERE EDUCATED.	Salaries.	Beginning of Service.
High . . .	George L. Baxter . .	Harvard College . . .	\$2,400	1867
" . . .	Frank M. Hawes . .	Tufts College . . . .	2,000	1879
" . . .	Charles T. Murray . .	Dartmouth College . .	1,600	1887
" . . .	Sarah W. Fox . . .	High Sch'l, Taunton, Clas- sics and German abroad	1,200	1868
" . . .	Frances W. Kaan . .	Salem Normal School . .	850	1882
" . . .	Eudora Morey . . .	Bridgewater Nor'l Sch'l.	850	1882
" . . .	Mary M. Kingsbury . .	Boston University . . .	800	1892
" . . .	Bertha L. Brown . .	Colby University . . .	800	1892
" . . .	M. Isabel Goldthwaite	Boston University . . .	800	1893
" . . .	Alice E. Sawtelle . .	Colby University . . .	800	1893
" . . .	Grace A. Tuttle . .	Salem Normal School . .	800	1893
" . . .	Mary A. Pratt . . .	Wellesley College . . .	800	1893
" . . .	Mrs. Lena Gilbert . .	Darmstadt and Versailles	725	1893
" . . .	Helen H. Wadsworth .	Boston University . . .	725	1893
" . . .	Carrie E. Strong . .	Boston University . . .	750	1893
Prescott . .	Samuel A. Johnson . .	Harvard University . .	1,800	1893
" . . .	Anna M. Bates . . .	Salem Normal School . .	700	1874
" . . .	Adelaide Reed . . .	Bridgewater Nor'l Sch'l .	650	1877
" . . .	E. M. Cate . . . .	High School, Winchester	600	1882
" . . .	A. A. Anderson . . .	Canton Training School	600	1878
" . . .	Amelia I. Sears . . .	Westfield Normal School	600	1873
" . . .	Catherine T. Brown .	Somerville High School	600	1868
" . . .	Grace L. Shaw . . .	Quincy Training School	600	1892
" . . .	Clara Taylor . . . .	Somerville High School	600	1871
" . . .	Sarah E. Pratt . . .	Bridgewater Nor'l Sch'l .	600	1877
" . . .	E. M. Plummer . . .	Boston High School . .	600	1877
" . . .	Louise E. Pratt . . .	Somerville High School	600	1889
" . . .	Sarah W. Turner . . .	Bridgewater Nor'l Sch'l .	600	1893
Elderly . .	Charles E. Brainard .	High School, Danielson- ville, Conn. . . . .	1,800	1889
" . . .	Clara B. Cutler . . .	High School, Fitchburg	675	1892
" . . .	Annie L. Dimpsey . .	High School, Ayer . . .	600	1891
" . . .	Mary E. Richardson .	High Sch'l, Worth'g'n, O.	600	1893
" . . .	Mabel C. Mansfield .	Salem Normal School . .	600	1893
" . . .	Gertrude L. Gardner .	R. I. State Normal Sch'l	600	1889
" . . .	Carrie A. Colton . . .	Bridgewater Nor'l Sch'l .	600	1893
" . . .	Helen P. Bennett . .	N. H. State Normal Sch'l	600	1890
" . . .	Emma L. Zeigler . . .	High School Milton . .	600	1891
" . . .	Gertrude C. Mason . .	Salem Normal School . .	600	1893
" . . .	Lillian Nealley . . .	Salem Normal School . .	600	1882
" . . .	Clara M. Bagley . . .	Somerville High School	600	1873
" . . .	Martha M. Power . . .	Quincy Training School	500	1891
Davis . . .	Mrs. L. A. Burns . . .	Framingham Nor'l Sch'l	675	1882
" . . .	Annie J. Richardson .	High School, Winchester	600	1889
" . . .	Carrie T. Lincoln . .	Somerville High School	400	1893
" . . .	Priscilla A. Merritt .	Salem Normal School . .	600	1885

## TEACHERS IN SERVICE DECEMBER, 1893.

SCHOOLS.	TEACHERS.	WHERE EDUCATED.	Salaries.	Beginning of Service.
Bell . . .	F. W. Shattuck . . .	Dartmouth College . .	\$1,800	1890
" . . .	M. E. Berry . . .	Somerville High School	675	1880
" . . .	Emma F. Schuch . . .	Somerville High School	600	1874
" . . .	Mary A. Bradford . . .	Mt. Holyoke Seminary .	600	1888
" . . .	Nellie S. Dickey . . .	Quincy Training School	600	1889
" . . .	Vyra L. Tozier . . .	Gorham, Me., Nor'l Sch'l	600	1892
" . . .	Mabel T. Totman . . .	High School, Weymouth	600	1892
" . . .	Mary S. Rinn . . .	Somerville High School	600	1889
" . . .	Ada F. Fernald . . .	Salem Normal School .	600	1893
" . . .	Anna L. Alger . . .	Framingham Nor'l Sch'l	600	1891
" . . .	Edith J. Holden . . .	Boston Normal School .	600	1893
" . . .	Martha E. Daniels . . .	Somerville High School	600	1891
" . . .	Eliza L. Schuch . . .	Somerville High School	600	1882
" . . .	S. Minnie Wiggins . . .	Krauss Kinderg't'n Nor'l School, N. Y. City .	600	1892
Cummings .	Lydia J. Page . . .	Somerville High School	675	1869
" . . .	Fannie L. Gwynn . . .	Salem Normal School .	600	1886
" . . .	Lena G. Blaikie . . .	Somerville High School	400	1893
" . . .	Margaret L. Martin . . .	Chelsea Training School	350	1893
Knapp . . .	Harry N. Andrews . . .	Bridgewater Nor'l Sch'l.	1,700	1890
" . . .	Abby C. Hunt . . .	Ipswich Female Sem'n'ry	675	1873
" . . .	Emma Frye . . .	R. I. State Nor'l Sch'l .	600	1891
" . . .	Clara B. Parkhurst . . .	Salem Normal School .	600	1889
" . . .	Annie E. Robinson . . .	Somerville High School	600	1876
" . . .	Abbie A. Gurney . . .	Bridgewater Nor'l Sch'l .	600	1888
" . . .	Grace M. White . . .	Somerville High School	500	1893
" . . .	L. Gertrude Allen . . .	Somerville High School	600	1884
" . . .	Minnie A. Perry . . .	Salem Normal School .	600	1891
" . . .	Lucia Alger . . .	Bridgewater Nor'l Sch'l .	600	1889
Prospect Hill	Nellie F. Sheridan . . .	Somerville High School	675	1888
" . . .	Annie L. Savage . . .	Salem Normal School .	600	1873
Jackson . . .	Annie W. Hatch . . .	New Britain Kinderg'rt'n	400	1893
Pope . . .	G. M. Wadsworth . . .	Brown University . . .	1,800	1891
" . . .	Florence A. Chaney . . .	High School Hermon, N. Y. . . . .	675	1892
" . . .	Harriet M. Clark . . .	Salem Normal School .	600	1893
" . . .	Alice I. Norcross . . .	High School, Watertown	600	1885
" . . .	Frances A. Wilder . . .	High Sch'l and Academy	600	1874
" . . .	Lizzie W. Parkhurst . . .	Gloucester Train'g Sch'l	600	1885
" . . .	Carrie E. Cobb . . .	Taunton High School .	600	1887
" . . .	Jeannette M. Billings . . .	Quincy Training School	600	1892
" . . .	Maria Miller . . .	Somerville High School	600	1869
" . . .	Annie G. Sheridan . . .	Salem Normal School .	600	1886
" . . .	Lillian C. Albee . . .	High School, N. Attleb'r'	600	1888
" . . .	Lydia E. Morrill . . .	Somerville High School	600	1892
" . . .	Maizie E. Blaikie . . .	Somerville High School	500	1891
Prospect Hill	Helen Tincker . . .	Salem Normal School .	800	1872

## TEACHERS IN SERVICE DECEMBER, 1893.

SCHOOLS.	TEACHERS.	WHERE EDUCATED,	Salaries.	Beginning of Service.
Prospect Hill	Nellie A. Hamblin .	Bridgewater Nor'l Sch'l .	\$600	1882
" "	Clara Sackett . . .	Westfield Normal School	600	1891
" "	Blanche Seabury . .	Kindergarten Nor'l Sch'l	600	1892
Bennett . .	Mary B. Smith . . .	Maine Wesleyan Semin'y	675	1885
" . .	Isadore E. Taylor . .	Somerville High School	600	1883
" . .	Miriam Cavanagh . .	Somerville High School	350	1893
Jackson . .	Annie E. McCarty . .	Somerville High School	675	1880
" . .	Annie E. Crimmings	Somerville High School	600	1884
" . .	Mary Winslow . . .	Boston Public Schools . .	600	1893
Forster . .	Fred C. Baldwin . . .	Dartmouth College . . .	1,800	1893
" . .	Grace Emerson . . .	Farmington, Me., Normal School . . . . .	675	1892
" . .	Mrs. C. F. Sanborn . .	Salem Normal School . .	675	1893
" . .	Elizabeth Page . . .	N. H. State Nor'l Sch'l .	600	1893
" . .	Lennie W. Bartlett . .	Milton, High School . . .	600	1890
" . .	Lizzie F. Clement . .	Tilton Seminary, N. H.	600	1884
" . .	Addie S. Winnek . . .	Salem Normal School . .	600	1883
" . .	Lucy K. Hatch . . . .	Castine, Me., Nor'l Sch'l	600	1892
" . .	Alice A. Batchelor . .	High School, Northboro	600	1877
" . .	Luetta M. Wescott . .	Gorham, Me., Nor'l Sch'l	600	1892
" . .	Annie S. Gage . . . .	Somerville High School	600	1883
" . .	Grace Shorey . . . .	Salem Normal School . .	350	1892
" . .	Helen A. Smith . . . .	Chelsea High School . . .	400	1893
Glines . .	Mary E. Northup . . .	High School, Centerville	1,000	1878
" . .	Mary E. Stiles . . . .	Framingham, Me., Nor'l School . . . . .	675	1883
" . .	M. Frances Guptill . .	Elliott, Me., Academy . .	600	1869
" . .	Nellie A. Boynton . . .	Framingham Nor'l Sch'l	600	1891
" . .	Margaret A. Orr . . . .	Bridgewater Nor'l Sch'l .	600	1891
" . .	Mary A. Goddard . . .	High School and Academy, Attleboro . . .	600	1893
" . .	Florence E. Baxter . .	Somerville High School	400	1891
" . .	Emma Burckes . . . .	Somerville High School	500	1890
Bingham . .	Nora F. Byard . . . .	Somerville High School	675	1884
" . .	Maude L. Kent . . . .	High and Training Sch'ls Manchester, N. H. . . .	600	1893
" . .	Ruby A. Johnson . . . .	Boston Normal School . .	600	1892
" . .	Belle J. Tift . . . . .	R. I. State Nor'l School	600	1892
Morse . . .	Mina J. Wendell . . . .	High and Training Sch'ls Woburn . . . . .	1,700	1882
" . .	Sarah S. Waterman . .	Bridgewater Nor'l Sch'l .	675	1887
" . .	Stella Hall . . . . .	Salem Normal Sch'l . . .	675	1884
" . .	Mrs. M. F. Hill . . . .	Castine, Me., Nor'l Sch'l	600	1892
" . .	Ella F. Gould . . . . .	High School, Lowell . . .	600	1882
" . .	Amy C. Hudson . . . .	Somerville High School	600	1885
" . .	Anna E. Sawyer . . . .	Somerville High School	600	1873
" . .	Addie E. Wentworth . .	Bridgewater Nor'l Sch'l .	600	1893

## TEACHERS IN SERVICE DECEMBER, 1893.

SCHOOLS.	TEACHERS.	WHERE EDUCATED,	Salaries.	Beginning of Service.
Morse . .	Mary A. Haley . . .	Boston High School . .	600	1867
" . .	Lizzie E. Hill . . .	N.H. State Normal Sch'l	600	1891
" . .	Helen M. Mead . . .	N.H. State Normal Sch'l	600	1893
" . .	Ella P. McLeod . . .	Gloucester Train'g Sch'l	600	1888
" . .	Annabel M. Perry . .	Somerville High School	400	1891
Beech-street	Emma T. Tower . . .	Somerville High School	625	1890
" . .	Florence B. Ashley . .	Somerville High School	600	1887
Franklin . .	Harriet A. Hills . . .	Somerville High School	675	1874
" . .	Anna C. Damon . . .	Worcester Nor'l School .	600	1879
" . .	Ella M. Coops . . .	Gloucester Train'g Sch'l	600	1892
" . .	Caroline S. Plimpton .	Southbridge, Mass. . .	600	1859
Harvard . .	Carrie A. Fowle . . .	Salem Normal School . .	400	1892
Burns . .	Laura J. Brooks . . .	Providence Schools . . .	675	1883
" . .	Minnie S. Turner . . .	Somerville High School	600	1885
" . .	Annie L. Brown . . .	Cambridge High School	600	1885
" . .	Florence M. Hamlin .	Somerville High School	600	1889
Cedar-street	Lizzie A. Davies . . .	High School, Adams . .	625	1893
" . .	Mary E. Lacy . . .	Somerville High School	400	1890
Highland . .	George E. Nichols . . .	Dartmouth College . . .	1,800	1877
" . .	M. Alice Paul . . .	Somerville High School	675	1879
" . .	Jennie S. Westcott . .	Gorham, Me., Nor'l Sch'l	675	1892
" . .	Mabel A. Jepson . . .	Framingham Nor'l Sch'l	600	1892
" . .	S. Adelaide Blood . . .	Salem Normal School . .	600	1882
" . .	Annie R. Cox . . .	N. H. State Normal Sch'l	600	1883
" . .	Grace M. Clarke . . .	Salem Normal School . .	500	1893
" . .	Jennie C. Frazier . . .	Boston Normal School . .	600	1887
" . .	Sarah E. Pray . . .	Somerville High School	600	1878
" . .	Alice L. Hayward . . .	High School, Salem . .	400	1893
" . .	Jennie M. Horner . . .	Somerville High School	600	1888
" . .	Agnes M. Ward . . .	Bridgewater Nor'l Sch'l.	600	1892
" . .	Gertrude Friend . . .	Miss Wheelock's Kinder- garten Normal School	500	1893
Lincoln . .	Harry F. Hathaway . .	Bridgewater Nor'l Sch'l.	800	1890
" . .	Carrie E. Fay . . .	Oberlin College . . .	600	1889
" . .	Charlotte F. Mott . . .	Private School, Wadding- ton N. Y. . . . .	600	1886 1890
" . .	Eliza H. Lunt . . .	High School, Taunton . .	600	
Music . .	S. Henry Hadley . . .	Somerville High School	1,333	1868
" . .	Mrs. Gish Garwood . .	College, Illinois . . .	500	1892
Drawing . .	Augusta L. Balch . . .	Mass. Normal Art School	900	1892
Sewing . .	Mrs. C. M. Coffin . . .	High School, Nantucket	600	1888
" . .	Mary L. Boyd . . .	Private Schools . . .	600	1888

ASSISTANTS IN SERVICE DECEMBER, 1893.

SCHOOLS.	TEACHERS.	WHERE EDUCATED.	Salaries.	Beginning of Service.
Prescott . .	Frances M. Seymour	Somerville High School	425	1890
" . .	A. Maude Emerson .	Somerville High School	350	1890
Edgerly . .	Florence N. Day . .	Somerville High School	275	1891
Davis . .	Nettie M. Orne . .	Somerville High School	425	1889
Bingham . .	Mabel E. Mansir . .	Somerville High School	275	1891
Morse . .	Grace B. Tibbetts . .	Cambridge High School	350	1890
Burns . .	Hattie C. Wheet . .	N. H. State Nor'l Sch'l .	425	1890
Highland . .	K. E. Hourahan . .	Bridgewater Nor'l Sch'l .	350	1893
Lincoln . .	Mary H. Joyce . .	Albany Normal School .	425	1891
" . .	Emma L. Ward . .	Boston Normol School .	350	1893
Edgerly . .	Edith A. Chapman .	Somerville High School		1893
Davis . .	Minerva L. Mills . .	Somerville High School		1893
Prospect Hill	Annie B. Russell . .	Somerville High School		1893
Bennett . .	Isabella Daly . .	Somerville High School		1893
Glines . .	Florence S. Farnham	Simonds High School, Warren, N. H. . . . .		1893
Morse . .	Carrie Winslow . .	Somerville High School		1893
Beech-street	E. Maude Smith . .	Morse School, Somerville . . . . .		1893
Franklin . .	Alice E. Morang . .	Somerville High School		1893
Substitute . .	Mrs. Ida B. Mason .	Somerville High School	500	1893

TEACHERS ON LEAVE OF ABSENCE DECEMBER 31, 1893.

SCHOOLS.	TEACHERS.	UNTIL
High . . .	Sarah W. Fox . . .	September, 1894
" . . .	Bertha L. Brown . .	September, 1894
Edgerly . .	Alice M. Dearing . .	September, 1894
Forster . .	Harriet A. Brown . .	September, 1894
Highland . .	Hallie M. Hood . .	September, 1894
Morse . .	Pauline S. Downes .	March, 1894

TABLE SHOWING THE NAME, LOCATION, DATE OF ERECTION, ESTIMATED VALUE, CAPACITY, ETC., OF THE SEVERAL SCHOOL BUILDINGS, DECEMBER, 1893.

DISTRICTS.	SCHOOLS.	LOCATION.	When Built.	No. Feet in Lot.	Estimated Value.	No. of Rooms.	No. of Classes.	No. of Grammar Classes.	No. of Primary Classes.
East Somerville	High	Highland Avenue . . . . .	1871	-	\$44,000	10	4	-	1
"	Prescott	Myrtle Street . . . . .	1867	21,444	47,000	12	12	1	4
"	Edgerly	Cross Street . . . . .	1871	26,428	47,000	12	12	8	4
"	Davis	Tufts Street . . . . .	1884	38,152	25,700	4	4	1	3
Prospect Hill	L. V. Bell	Vinal Avenue . . . . .	1874	23,396	47,000	13	13	9	4
"	Cummings	School Street . . . . .	1884	11,300	15,700	4	4	1	3
"	O. S. Knapp	Concord Square . . . . .	1889	24,517	33,400	8	9	4	5
"	*Webster	Webster Avenue . . . . .	1868	11,050	8,600	4	3	1	2
"	Charles G. Pope	Washington Street . . . . .	1891	27,236	62,000	12	12	8	4
"	Prospect Hill	Washington Street . . . . .	1848	25,313	21,000	6	4	3	1
"	Bennett	Joy Street . . . . .	1868	20,560	10,600	4	3	-	3
"	Jackson	Poplar Street . . . . .	1861	11,212	8,600	4	3	1	2
Winter Hill	Forster	Sycamore Street . . . . .	1866	27,499	47,000	12	12	8	4
"	J. T. Glines	Jaques Street . . . . .	1891	28,800	46,400	8	7	4	3
"	Bingham	Lowell Street . . . . .	1886	21,017	28,700	4	4	1	3
Spring Hill	Morse	Summer Street . . . . .	1869	29,109	47,000	12	12	9	3
"	Beech-street	Beech Street . . . . .	1872	6,000	4,800	2	2	-	2
"	Spring Hill	Beech Street . . . . .	1850	4,991	1,600	1	-	-	-
"	Franklin	Somerville Avenue . . . . .	1846	33,017	15,600	4	4	2	2
"	Harvard	Beacon Street . . . . .	1851	9,810	3,600	1	1	-	1
"	†Burns	Cherry Street . . . . .	1886	16,080	15,700	4	4	1	3
"	Cedar-street	Cedar Street . . . . .	1843	-	800	2	2	-	2
West Somerville	Highland	Highland Avenue . . . . .	1880	23,260	47,000	12	12	8	4
"	Lincoln	Broadway, Clarendon Hill	1885	17,662	14,700	4	4	2	2
					\$643,500	159	147	79	64

\* Destroyed by fire December 14, 1893.

† Receives pupils from both the Spring Hill and the West Somerville Districts.



PUPILS.

Number of persons in the city on the first day of May 1893, between  
 five and fifteen years of age . . . . . 7,601  
 Number between eight and fourteen years of age . . . . . 4,446

	High School.	Grammar and Primary Schools.	Total.
Annual Enrollment . . . . .	565	9,067	9,632
Average Membership . . . . .	543	6,674	7,217
Average Attendance . . . . .	516	6,274	6,790
Per cent of Attendance . . . . .	94.9	94.0	94.1
Number cases of tardiness . . . . .	360	3,019	3,379
Number cases of dismissal . . . . .	-	2,852	2,852
Number cases of punishment . . . . .	-	587	587
Membership January, 1893 . . . . .	539	6,941	7,480
Membership December, 1893 . . . . .	612	6,822	7,434
Average number to a teacher . . . . .	43.7	47.7	-
Number over fifteen years of age . . . . .	485	387	872
Number between 8 and 14 years of age . . . . .	19	4,931	4,950

TABLE OF PUPILS BY GRADES, DECEMBER, 1893.

SCHOOLS.	GRADES.	TEACHERS.			PUPILS.			Average Age.		No. single pro-motions in June, 1893.	No. double pro-motions in 1893.
		Men.	Women.		Boys.	Girls.	Total.	Years.	Months.		
			Regular	Assistants.							
High . . . . .	First Class . . . . .	3	11		29	83	112	18	5		
	Second " . . . . .				30	64	94	17	5		
	Third " . . . . .				49	111	160	16	6		
	Fourth " . . . . .				110	136	246	15	5		
	Total . . . . .	3	11		218	394	612				
Grammar . . . . .	Ninth . . . . .	7	12		204	231	435	14	10	336	
	Eighth . . . . .		11		270	275	545	14	-	376	22
	Seventh . . . . .		12		294	279	573	13	-	527	63
	Sixth . . . . .	1	11	2	317	317	634	12	4	498	37
	Fifth . . . . .		16	1	377	356	733	11	1	617	29
	Fourth . . . . .		17	1	410	413	823	10	-	699	25
Total Grammar . . . . .	8	79	4	1872	1871	3743			3053	176	
Primary . . . . .	Third . . . . .		17	2	406	392	798	8	11	729	32
	Second . . . . .		20	2	464	457	921	7	9	777	49
	First . . . . .		27	11	726	634	1360	6	3	822	28
	Total Primary . . . . .		64	15	1596	1483	3079			2328	109
	Total Grammar and Primary . . . . .	8	143	19	3468	3354	6822			5381	285
Grand Total . . . . .	11	154	19	3686	3748	7434					

## STATISTICS OF THE HIGH SCHOOL.

Whole number of different pupils during the year	. . . . .	805
Largest number at one time	. . . . .	626
Number admitted during the year	. . . . .	266
“ from our Grammar Schools	. . . . .	240
“ from other schools	. . . . .	26
“ graduated	. . . . .	82
“ of graduates who entered college	. . . . .	18
“ of graduates who entered Institute of Technology and Scientific Schools	. . . . .	11
“ who have left during the year exclusive of graduates		111
Whole number at the present time, December, 1893	. . . . .	612
Average number to a teacher	. . . . .	43.7
Number over fifteen years of age	. . . . .	514
“ in course preparatory to college	. . . . .	204
“ pursuing the regular course	. . . . .	271
“ pursuing the English course	. . . . .	137
“ in the first class when it entered the school	. . . . .	196
“ in the first class at the present time	. . . . .	112
“ in the second class when it entered the school	. . . . .	218
“ in the second class at the present time	. . . . .	94
“ in the third class when it entered the school	. . . . .	238
“ in the third class at the present time	. . . . .	160
“ in the fourth class when it entered the school	. . . . .	251
“ in the fourth class at the present time	. . . . .	246

EXHIBIT OF THE PUBLIC SCHOOLS, 1893.

Rooms occupied in December.	SCHOOLS.	Annual Enrollment.	Average Membership.	Average Attendance.	Per cent of Attendance.	No. cases of Tardiness.	No. cases of Dismissal.	No. cases of Punishment.	No. attending in January.	No. attending in December.	Average No. to Teacher in December.	No. over 15 years of age.	No. between 8 and 14 years of age.
12	High	565	543	516	94.9	360	73	0	539	612	43.7	485	19
12	Prescott	758	574	543	94.6	92	73	46	584	596	49.7	43	441
12	Edgerly	675	521	492	94.3	78	134	20	530	586	48.8	35	379
4	Davis	315	213	199	93.5	59	54	25	240	209	51.0		126
13	L. V. Bell	730	569	541	95.1	198	449	27	606	587	46.0	25	490
4	Cummings	249	172	160	93.1	87	46	35	185	186	46.5		83
8	O. S. Knapp	536	377	353	93.6	156	250	25	386	392	49.0	22	248
3	Webster	258	116	109	93.4	89	38	21	145	111	27.7	1	92
12	C. G. Pope	634	489	462	94.6	249	186	27	492	505	42.0	31	374
4	Prospect Hill	311	195	177	90.8	107	93	58	244	167	42.0	11	226
3	Bennett	239	154	140	91.1	127	26	40	179	139	36.0		73
3	Jackson	289	148	137	92.1	127	9	36	184	117	46.3		155
12	Forster	700	581	552	95.1	117	199	24	593	606	50.5	67	405
8	J. T. Glines	453	383	367	95.8	108	87	12	335	404	50.5	13	246
4	Bingham	312	216	200	92.6	60	39	4	232	218	54.5		166
12	Morse	763	590	556	94.3	296	407	84	619	604	50.0	63	486
2	Beech-street	160	105	95	91.3	254	27	26	120	89	44.5		39
4	Franklin	243	218	207	95.1	64	47	27	189	173	43.3		197
1	Harvard	116	65	60	91.5	53	6	2	60	59	56.0		12
4	Burns	261	183	169	92.8	163	82	3	191	202	50.5		144
2	Cedar-street	80	55	50	89.9	42	3	0	64	57	28.5		14
12	Highland	724	560	524	93.7	288	550	34	566	608	50.7	76	393
4	Lincoln	261	190	181	95.3	42	47	11	197	207	51.8		142
143	Total	9,632	7,217	6,790	94.1	3,375	2,852	587	7,480	7,434	47.7	872	4,950

## STATISTICS OF EVENING SCHOOLS.

SEASON OF 1893-4.

SCHOOLS.	Number of Sessions.	Number of Teachers.	Average No. Enrolled.	Average Attendance.	Per cent of Attendance.	Cost of Instruction.	Cost of Janitors' Services.
Prescott . . . . .	47	6	72	52	72.2	\$374.00	\$49.00
L. V. Bell . . . . .	47	6	88	74	84.1	418.50	49.00
Burns . . . . .	43	4	63	42	66.7	295.50	45.00
Total . . . . .	137	16	223	168	75.3	1,088.00	143.00
Drawing School . . . . .	40	5	99	85	85.9	774.00	64.50
Grand Total . . . . .	177	21	322	253	78.6	1,862.00	\$207.50

## AUTHORIZED TEXT-BOOKS.

## HIGH SCHOOL.

	Class.
Greenleaf's Complete Arithmetic . . . . .	4
Greenleaf's Algebra . . . . .	4
Wentworth's Algebra . . . . .	2, 1
Wentworth's Geometry . . . . .	2, 3, 4
Meservey's Double Entry Book-keeping . . . . .	4
Avery's Natural Philosophy . . . . .	2, 3
Hall and Bergen's Text-book of Physics . . . . .	2
Eliot and Storer's Elementary Chemistry . . . . .	2
Hutchison's Physiology . . . . .	3
Geology. Shaler's and others . . . . .	1
Wood's Botany (Botanist and Florist) . . . . .	1
Greene's Zoology . . . . .	2
Young's Astronomy . . . . .	1
Harkness's Latin Grammar . . . . .	1, 2, 3, 4
Collar and Daniell's Beginners' Latin Book . . . . .	4
Harkness's Latin Reader . . . . .	4
Harkness's, Allen and Greenough's, and Kelsey's Caesar . . . . .	3
Daniell's Latin Prose Composition . . . . .	1, 2
Harkness's Latin Prose Composition . . . . .	3
Collar's Latin Prose Composition . . . . .	1
Virgil . . . . .	1, 2
Cicero . . . . .	1
Ovid . . . . .	1
Nepos . . . . .	1, 2
Goodwin's Greek Grammar . . . . .	1, 2
Goodwin's Greek Reader . . . . .	1, 2
White's Beginners' Greek Book . . . . .	2
Merry's Odyssey . . . . .	1

	Class.
Keep's, Seymour's and Boise's Iliad . . . . .	1
Herodotus . . . . .	1
Woodruff's Greek Prose Composition . . . . .	1, 2
Bocher's Otto's French Grammar . . . . .	1, 2, 3
Selections from the works of French authors approved by the High School Committee . . . . .	1, 2, 3
Otto's German Grammar . . . . .	1, 2
Selection from the works of German authors approved by the High School Committee . . . . .	1, 2
Swinton's Outlines of the World's History . . . . .	4
Myers's General History . . . . .	4
History of England, Montgomery, Guest, Berard . . . . .	1
Pennell's History of Greece . . . . .	2
Oman's History of Greece . . . . .	2
Smith's History of Greece . . . . .	2
Allen's History of Rome . . . . .	2
Leighton's History of Rome . . . . .	2
Pennell's History of Rome . . . . .	2
History of the United States, Johnston, Montgomery . . . . .	2
Hart's Rhetoric . . . . .	1
Selections from the works of American authors approved by the High School Committee . . . . .	4
Selections from the works of English authors approved by the High School Committee . . . . .	1, 2, 3
Shaw's History of English and American Literature . . . . .	1, 2, 3
Ginn & Heath's Classical Atlas . . . . .	2
Martin's Civil Government . . . . .	2
Glee and Chorus Book . . . . .	2, 3, 4
The Euterpean . . . . .	1, 2

AUTHORIZED TEXT-BOOKS GRAMMAR AND PRIMARY SCHOOLS.

REGULAR READERS.

	Grade.
Monroe's New First Reader . . . . .	2
Monroe's New Second Reader . . . . .	3
Monroe's Third Reader . . . . .	4
Monroe's New Third Reader . . . . .	5
Monroe's New Fourth Reader . . . . .	7
Franklin New First Reader . . . . .	2
Franklin New Second Reader . . . . .	2
Franklin New Fourth Reader . . . . .	6
Swinton's Second Reader . . . . .	2
Swinton's Third Reader . . . . .	4
Swinton's Fourth Reader . . . . .	6
Swinton's Fifth Reader . . . . .	9
Normal First Reader . . . . .	1
Normal Second Reader . . . . .	2
Normal Third Reader . . . . .	5
Normal Fourth Reader . . . . .	7
Normal Fifth Reader . . . . .	8
Holmes's Second Reader . . . . .	3
Davis's Second Reader . . . . .	3
Interstate Primer and First Reader . . . . .	1
Interstate Supplement . . . . .	1
Interstate Second Reader . . . . .	2
Riverside Primer and Reader . . . . .	1, 2
Parker and Marvel's First Reader . . . . .	1
Parker and Marvel's Second Reader . . . . .	2
Cyr's Primer . . . . .	1
Cyr's First Reader . . . . .	1
Monroe's Reading Chart . . . . .	1
Appleton's Reading Chart . . . . .	1

SPELLERS.

Harrington's Spellers, . . . . .

## ARITHMETICS.

	Grade.
Wentworth and Reed's Primary Arithmetic, Desk Book	1, 2, 3
Greenleaf's First Lessons in Numbers . . . . .	2, 3
Greenleaf's Brief Course in Arithmetic . . . . .	4, 5, 6
Greenleaf's Complete Arithmetic . . . . .	7, 8, 9
Greenleaf's Intellectual Arithmetic . . . . .	6, 7, 8, 9
Essentials of Arithmetic . . . . .	4, 5, 6

## LANGUAGE BOOKS.

First Lessons in Language . . . . .	5, 6
Elements of Composition and Grammar . . . . .	7, 8, 9

## GEOGRAPHIES.

Barnes's Elementary Geography . . . . .	4
Harper's Introductory Geography . . . . .	5, 6
Harper's School Geography . . . . .	7, 8
Maury's Physical Geography . . . . .	9

## HISTORIES.

Eggleston's Elementary History . . . . .	6
Montgomery's Beginners' American History . . . . .	7
Barnes's History of the United States . . . . .	8, 9
McCoun's Historical Charts and Manuals . . . . .	8, 9

## MUSIC BOOKS.

Normal Music Charts . . . . .	1, 2, 3
Normal First Music Reader . . . . .	2, 3
Normal Second Music Reader . . . . .	4, 5
New National Music Reader, No. 3 . . . . .	6, 7
The Cecilian, Book 4 . . . . .	8, 9

## WRITING BOOKS.

Appleton's . . . . .	.
The Business Standard . . . . .	.
Harper's . . . . .	.
Normal System . . . . .	.



The Spencerian . . . . .	.	.	.	.	.	.
Wells's Natural Movement Method . . . . .	.	.	.	.	.	.

DRAWING BOOKS, ETC.

Prang's Drawing Course with Models . . . . .	.	.	.	.	All grades.
Meservey's Single Entry Book-keeping . . . . .	.	.	.	.	9
Mowry's Elements of Civil Government . . . . .	.	.	.	.	9

PHYSIOLOGIES.

Physiology and Health, No. 1 . . . . .	.	.	.	Desk Book, 2, 3
Health for Little Folks . . . . .	.	.	.	4, 5
Physiology and Health, No. 2 . . . . .	.	.	.	6
Blaisdell's Physiology for Boys and Girls . . . . .	.	.	.	7, 8

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SUPPLEMENTARY READERS.

GEOGRAPHY.

					Grade.
King's Geographical Reader, No. 1 . . . . .	.	.	.	.	4
King's Geographical Reader, No. 2 . . . . .	.	.	.	.	5, 6
Seven Little Sisters . . . . .	.	.	.	.	4
Scribner's Geographical Reader . . . . .	.	.	.	.	6
Each and All . . . . .	.	.	.	.	5
Dunton's Our Country . . . . .	.	.	.	.	5

HISTORY.

Mrs. Monroe's Our Country . . . . .	.	.	.	.	4
Stories of American History . . . . .	.	.	.	.	5
Noble Deeds of Our Ancestors . . . . .	.	.	.	.	5
Pilgrims and Puritans . . . . .	.	.	.	.	7
Hawthorne's True Stories of New England History . . . . .	.	.	.	.	8
Egleston's Elementary History . . . . .	.	.	.	.	6
Montgomery's Beginners' American History . . . . .	.	.	.	.	7

SCIENCE.		Grade.
Wood's Natural History Reader, No. 1	. . .	3
Wood's Natural History Reader, No. 4	. . .	6
Wright's Nature Reader, No. 1	. . . . .	2, 3
Wright's Nature Reader, No. 2	. . . . .	4
Information Readers	. . . . .	7
Bass's Nature Stories	. . . . .	2
Child's Book of Nature	. . . . .	6
Reading in Nature's Book	. . . . .	7
Monteith's Science Reader	. . . . .	8
Birds and Bees	. . . . .	9

LITERATURE.		
Stickney's First Reader	. . . . .	1
Stickney's Second Reader	. . . . .	3
Stickney's Third Reader	. . . . .	4
Stickney's Fourth Reader	. . . . .	6
Stickney's Fifth Reader	. . . . .	7
Andersen's Fairy Tales	. . . . . Desk book,	5
Æsop's Fables	. . . . .	4
Robinson Crusoe	. . . . . Desk book,	6
King of the Golden River	. . . . .	7
Heroic Ballads	. . . . .	8
Irving's Sketch Book	. . . . .	9
Masterpieces of American Literature	. . . . .	9
Lamb's Tales of Shakspeare	. . . . .	9
Grimm's Tales	. . . . .	4
Hawthorne's Wonder Book	. . . . .	8
Hawthorne's Stories	. . . . .	6
Jason's Quest	. . . . .	9

MISCELLANEOUS.		
The Franklin Speaker	. . . . .	
Columbian Speaker	. . . . .	
Young American Speaker	. . . . .	
Forbes's Five-minute Declamations	. . . . .	
Forbes's Five-minute Readings	. . . . .	
Carrington's Patriotic Speaker	. . . . .	
Hoitt's Excellent Quotations.	. . . . .	

## REFERENCE BOOKS.

	Grade.
Webster's Unabridged Dictionary . . . . .	9
Young Folks' Cyclopeda of Common Things . . . . .	7, 8
Young Folks' Cyclopeda of Persons and Places . . . . .	7, 8
International Cyclopeda . . . . .	9
Lippincott's Gazetteer . . . . .	9
Thomas's Biographical Dictionary . . . . .	9
Barnes's, Butler's, Swinton's, and Warren's Geographies	8
All the modern United States Histories . . . . .	9

## TEACHERS' DESK BOOKS.

Frye's Child and Nature . . . . .	
Parker's How to Study Geography . . . . .	
King's Methods in Geography . . . . .	
Lectures on School Hygiene . . . . .	
Wentworth and Reed's Primary Arithmetic . . . . .	1, 2, 3
First Lessons in Language . . . . .	4
Dewey's Ethics . . . . .	5, 6
Comegy's Ethics . . . . .	7, 8
Physiology and Health No. 1 . . . . .	2, 3
Health for Little Folks . . . . .	4, 5
Physiology and Health, No. 2 . . . . .	6
Blaisdell's Physiology for Boys and Girls . . . . .	7, 8

## WALL MAPS.

Butler's; Guyot's; Hughes's; Staniford's; Johnson's.



REPORT

OF THE

TRUSTEES OF THE PUBLIC LIBRARY.

## CITY OF SOMERVILLE.

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IN BOARD OF ALDERMEN, January 24, 1894.

Referred to the committee on printing, to be printed in the annual reports. Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

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IN COMMON COUNCIL, January 25, 1894.

Concurred in.

WILLIAM P. MITCHELL, *Clerk pro tem.*







BOARD OF TRUSTEES AND OFFICERS OF THE  
SOMERVILLE PUBLIC LIBRARY,  
DEC. 31, 1893.

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**TRUSTEES.**

CHARLES S. LINCOLN.	ELIJAH C. CLARK.
CHRISTOPHER E. RYMES.	CHARLES A. WEST.
CHARLES H. BROWN.	J. FRANK WELLINGTON.
J. HENRY FLITNER.	JAMES E. WHITAKER.
JOHN B. VIALL.	

**OFFICERS.**

CHARLES S. LINCOLN,	. . . .	<i>President.</i>
CHARLES A. WEST,	. . . .	<i>Secretary.</i>

**COMMITTEES.**

*Building and Grounds.*—RYMES, VIALL, BROWN, AND WELLINGTON.

*Administration.*—WHITAKER, WELLINGTON, AND CLARK.

*Books and Catalogues.*—LINCOLN, *ex-officio*, RYMES, WEST, VIALL, AND BROWN.

*Finance.*—FLITNER, CLARK, AND WHITAKER.

**LIBRARIAN.**

JOHN S. HAYES.

**ASSISTANTS.**

ANNA L. STONE.

MARY J. WARREN.

**CATALOGUER.**

F. MABEL NORCROSS.

Names of those who have served on the Board of Trustees, since the Library was established in 1872.

	Elected.	Retired.
John P. Marshall, President, 1872-75 . . . . .	1872	1875
Austin Belknap . . . . .	1872	1875
Charles H. Guild, President, 1875-76 . . . . .	1875	1876
Quincy A. Vinal . . . . .	1872	1877
Edward C. Booth . . . . .	1872	1876
Michael J. Canavan . . . . .	1872	1874
George O. Brastow . . . . .	1872	1873
William H. Furber . . . . .	1872	1876
Selwyn Z. Bowman . . . . .	1872	1873
Charles G. Pope . . . . .	1873	1876
“ “ . . . . .	1885	1889
H. H. Barber, President, 1881-85 . . . . .	1873	1885
S. A. Carlton . . . . .	1873	1876
Charles Lowe . . . . .	1874	1874
William Veazie . . . . .	1875	1885
William G. Toucey, President, 1876-81 . . . . .	1875	1884
T. J. Buffum . . . . .	1876	1885
F. H. Raymond . . . . .	1876	1879
A. M. Robinson . . . . .	1876	1882
R. C. Downer . . . . .	1876	1880
E. S. Conant . . . . .	1876	1884
William H. Brine . . . . .	1877	1889
C. S. Lincoln, President, 1885- . . . . .	1878	
J. Henry Flitner . . . . .	1880	
C. E. Rymes . . . . .	1882	
William E. Weld . . . . .	1884	1893
Mark F. Burns . . . . .	1884	1885
George A. Bruce . . . . .	1884	1892
Sanford Hanscom, M. D. . . . .	1885	1890
James E. Whitaker . . . . .	1885	
Elijah C. Clark . . . . .	1889	
Charles H. Brown . . . . .	1889	
John B. Viall . . . . .	1890	
Charles A. West . . . . .	1892	
J. Frank Wellington . . . . .	1893	
LIBRARIANS.		
Isaac Pitman . . . . .	1872	1875
Miss H. A. Adams . . . . .	1875	1893
John S. Hayes . . . . .	1893	

## CITY OF SOMERVILLE.

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*To the City Council of Somerville:—*

GENTLEMEN,—During the year now closing the Public Library of Somerville has exerted its customary silent but beneficent influences in the homes and schools of our city. Its interests have received increased attention from the Board of Trustees, and certain changes and improvements have either been made or planned to secure greater ease in the consultation and delivery of books, and to increase the efficiency of the library in all directions.

The trustees have for several years felt that they have been laboring under great disadvantage from the imperfect classification and arrangement, of the books thus far placed on the shelves. This has, in a large degree, resulted from the want of suitable room at the time the Public Library was instituted. The evil seemed to increase instead of diminish as the number of volumes multiplied, until at last, nothing but radical treatment seemed to the Board adequate to overcome the difficulties of the situation.

A reclassification of the library must be a gradual work, and if carried on while the ordinary duties of the librarian are being performed, will require much time, skill, and patience.

A systematic plan has been devised by which it is expected that there will be very little interruption in the regular distribution and use of books, although it is not too much to say that some inconveniences will be temporarily felt.

The trustees feel that the proposed changes will require much labor of an important and peculiar character. The work to be done requires physical endurance as well as mental fitness, experience and education. In the judgment of the Board, the services of a man were required to meet the demand of the situation. The Board feel that they are fortunate in securing the services of Mr. John S. Hayes as librarian.

He has the requisite qualifications for the position. He is well known in the community, and by experience, habits, and tastes, is well adapted to the peculiar work he will be called upon to perform. His experience as a teacher for many years in the public schools in this city, his wide knowledge of literature, his familiarity with American history, and his interest in the Public Library, will enable him to render valuable services in all directions. His election took effect July 1, 1893, he has entered upon his work with enthusiasm.

In making choice of a new librarian for reasons of such paramount importance, the action of the trustees will not be regarded as derogatory to our former librarian, Miss Harriet A. Adams. During the many years she has occupied the position she has won the approbation of every Board of Trustees for the singular faithfulness and ability with which she has performed her duties. It was with keen regret that the present Board felt compelled to part with her services as librarian, but they realized that here was a new work, requiring peculiar experience and differing from the ordinary routine of duties in which she had been engaged.

The trustees respectfully and earnestly again make their appeal to the City Council for the means to satisfy the needs of the Public Library for the coming year.

In a rapidly growing city, even the ordinary demands of a library, and the expenses of administration must necessarily increase from year to year. These demands must be met. The constant waste from the wear and tear of books is great and inevitable. This waste must be repaired. There are always expenses to be incurred which cannot be regarded in the nature of fixed charges, nor always anticipated, such as extraordinary repairs and supplies.

This year it was deemed expedient to substitute electricity for gas in order to avoid danger from fire and the injurious effect of gas, as well as to secure a more convenient and agreeable means of lighting the building. All these things call for additional expenditures.

The trustees, therefore, are called upon to make greater demands upon their fellow citizens the coming year than ever before, but they promise to make an ample return for all that is granted

them, in the greater usefulness of the institution placed in their charge.

The trustees would respectfully submit with this, the report of the present librarian, who has described the conditions of the library and its needs, and stated, in greater fulness, the plans for its future management. We wish gratefully to acknowledge the unusually large donations of the present year to the library, details concerning which will be found in the librarian's report.

The trustees, in closing, desire to say that the custodians of the library have discharged their duties with marked fidelity.

Respectfully submitted,

CHARLES S. LINCOLN.  
CHRISTOPHER E. RYMES.  
CHARLES H. BROWN.  
J. HENRY FLITNER.  
ELIJAH C. CLARK.  
CHARLES A. WEST.  
J. FRANK WELLINGTON.  
JAMES E. WHITAKER.  
JOHN B. VIALL.

December 26, 1893.

## RECEIPTS AND EXPENDITURES FOR 1893.

## CREDIT.

Appropriation . . . . .	\$5,500.00
Dog Licenses . . . . .	3,655.64
Fines . . . . .	335.06
Catalogues . . . . .	24.00
	<hr/>
	\$9,514.70

## DEBIT.

Balance of 1892 . . . . .	\$335.44
Books and Periodicals . . . . .	2,929.73
Salaries . . . . .	2,867.91
Binding . . . . .	660.05
Repairs . . . . .	543.30
Wiring for Electric Lighting . . . . .	349.92
Printing (\$296.70) and Stationery (\$86.54) . . . . .	303.24
Covers and Cards . . . . .	277.00
Fuel . . . . .	244.50
Express . . . . .	221.95
Gas . . . . .	209.91
Electric Lighting . . . . .	37.18
Book Cases and Desk . . . . .	191.75
Insurance . . . . .	187.31
Branch Office . . . . .	75.00
Water . . . . .	24.00
Call Bells . . . . .	19.40
Post-office Box and postage . . . . .	6.00
Incidentals . . . . .	7.75
Balance to 1894 . . . . .	23.36
	<hr/>
	\$9,514.70

## REPORT OF THE LIBRARIAN.

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*To the Trustees of the Somerville Public Library:—*

GENTLEMEN,—In compliance with your request and in accordance with your by-laws, it becomes my pleasant duty to place in your hands this report as the twenty-first annual report of the librarian.

The Public Library is not only increasing in size, but it is steadily extending its field of usefulness. Judged by the use our citizens make of it, and the gifts it has received from many of our residents, it is constantly gaining a place in the hearts of those who love our city and who have a special regard for those institutions that diffuse knowledge and power, and aim better to fit her citizens for every duty.

The enlarged appropriation by our city government indicates that Somerville is ever liberal to her educational institutions, and that the Public Library holds a warm spot in her heart. The rapid growth of the city calls for a larger expenditure of money in all departments, and this library is not an exception to the rule. While a much larger sum could have been judiciously and profitably spent, it is a matter for congratulation that you have kept your expenditures practically within the appropriations. While doing this, you have not only added the usual number of books, but have made expensive additions and repairs, and have begun certain changes and improvements which, when completed, will increase the efficiency and usefulness of the library, and give it place among the best of its class.

The benefits of a public library cannot be reckoned in coin, expressed in figures, nor described with the pen. The number of

books on the shelves, the annual additions, the monthly circulation, the books covered, and the fines collected, may or may not furnish interesting reading.

The public have placed in your hands something more than this building and its contents, valuable as they are; you hold a higher office than the custodians of public property. Upon you rests the responsible duty of furnishing the mental food, not only of many of the adults of the city, but of our children and youth. What you select, they use, and thus you exert an influence which cannot be measured. Our Public Library has grown to be a great educational force in the community,—the “people’s college,” from which they are to obtain, not amusement and entertainment simply, but information, instruction, inspiration, and power. The high character of the books selected and placed on the shelves, testifies to your faithfulness and to the faithfulness of your predecessors. Your endeavors seem to have been of a truly democratic character, for you have provided not only for the wants of the scholarly and cultivated, but also for those of moderate attainments; and it is gratifying to see many standard works circulated among readers of limited educational advantages, showing that they, too, appreciate and enjoy books that treat of science, art, and history.

### STATISTICS.

The whole number of books placed in the library since it was founded in 1872, is 24,869, and the number belonging to the library at the present time, as nearly as can be ascertained, is 22,606. During the year you have added 1,777 volumes, while 195 have been worn out, lost, or withdrawn. Some of the worn-out books cannot be replaced, as they are out of print; others of them are of only transient interest, and of no instructive or disciplinary value; we may welcome this natural decay, as we can fill the space with something better. The survival of the fittest should apply in a public library as elsewhere.

The library has been open to the public 305 days during the past year, and 93,213 books have been given out for home use, a daily average of 306.6. The largest number given out in one day was on



February 11,—804. The largest number in one month was in April, —10,181 ; the smallest number was in August,—4,817. There were distributed through the agency in West Somerville, 6,428 volumes, and by the East Somerville agency, 3,462.

### REFERENCE LIBRARY.

No careful record has been kept of the books consulted in the library, but it is very evident that a more general use is being made of the reference books and the books of Americana, than heretofore. Many persons are using the library freely in pursuing their investigations, and as an assistance in literary work. It is to be expected that the public will consult more freely the rare and valuable books in the Reference Library, when they realize how rich the shelves are in this direction, and that it is continually receiving additions as rapidly as opportunity and the funds at your disposal warrant.

We regret that changes sometimes mean inconvenience and trouble to the patrons of the library, and the changing of the reference library has been particularly annoying to those who desire to consult the books. I had hoped before this time to have so far re-organized this department as to be able to have the room open all the time and to have a regular attendant in charge. But many of the books had to be sent to the bindery, all had to be re-catalogued, and the demands upon the time of all our force were so great that it was reluctantly decided not to open the room until the change was completed. It was also found that it was impossible to heat the reference-room without additional radiators and double windows. At no distant day, I hope to be able to announce that this department is well equipped for good work, as you have already decided to add many new volumes to those we already possess. The best we can now do is to bring reference books to the reading-room,—and we are not always able to do even this.

Among the more costly books added to the Reference Library are :—

American Caricatures.

Fletcher's Index to General Literature.

Fletcher's Index to Periodical Literature.

Peale's Atlas.

Life of Michael Angelo.  
 Old Italian Masters.  
 English Cathedrals.  
 Book of Crests.  
 Modern State Trials.  
 Historic Houses.  
 New York Historical Collection, containing letters of General Lee.  
 Collections of Massachusetts Historical Society, (complete).  
 Schoolcraft's History of the Indian Tribes of the United States.  
 Death of Major Andre.  
 Defence of Norumbega.  
 Arena (from the beginning).  
 Bay State Monthly and New England Magazine, (complete).  
 Lippincott's Pronouncing Gazetteer.  
 Complete Index to Harper's Magazine.  
 Neal's History of New England, 1720.  
 Letters and Memoirs of Madam Riedesel.  
 Proceedings of the American Antiquarian Society, (complete).  
 British Birds.  
 Earth and Its Inhabitants.  
 Cyclopaedia of United States History.

#### VALUABLE ADDITIONS.

For general Circulation we have added :—  
 Six Months in the Appenines.  
 Works of Jefferson.  
 Coursing and Falconry.  
 Old and New Astronomy. Proctor.  
 Photographics. Wilson.  
 Journey from Edinburg. Campbell.  
 Siberia. Atkinson.  
 Travels in Russia. Wilson.  
 Museum of Antiquity.  
 The World, its Cities, and Peoples.  
 The Great World's Fair.  
 Memoir and Letters of Charles Sumner.  
 Early Diary of Francis Burney.

Sixty Years of Recollections.  
 Halliwell-Phillips Outline of the Life of Shakespeare.  
 Literary History of Early Christianity.  
 Gun and Camera in South Africa.  
 Correspondence and Public Papers of John Jay.  
 History of the Lewis and Clark Expedition.  
 Completed Writings of Washington.  
 Theosophy of Psychological Religion.  
 Tragedies of the Cæsars. Baring-Gould.  
 Life of Marie Antoinette.  
 Travel and Adventure in South-east Africa.  
 Letters of James Russell Lowell.  
 Memoirs of Count de Falloux.  
 Donation from Perkins Institute.  
 Green's History of the English People. (illustrated edition.)  
 Etrusco Roman Remains. Leland.  
 And many others of equal value.

#### DONATIONS.

During the present year, the library has received as gifts 356 bound volumes, 147 pamphlets, 1,099 numbers of periodicals, and three pictures. Mrs. C. G. Pope has given 38 volumes, including several volumes of valuable Americana; Hon. Edward Glines, 47 volumes, several of which are very valuable; Thos. S. Wentworth Esq., a copy of the History of the 13th Regiment of New Hampshire Volunteers.

The Perkins Institution for the Blind has given from the Howe Memorial Printing Fund, 81 volumes in embossed type for the use of the blind. These books are a library in themselves, and cover the field of general literature, including juveniles, poetry, biography, history, religion, essays, text-books. and fiction. While the number of persons needing these books is few, the pleasure and profit those few may derive from them, make the gift of immeasurable value. And I congratulate you on the fact that this library is the first public library in the State to place books in embossed type on its shelves.

## LIST OF DONATIONS.

	VOLS.	PAMPH.	PERIODICALS.
Mrs. Lucy M. Adams . . . . .			12
Bohemian Voice . . . . .			12
Builder's Iron Foundry . . . . .	1		
Citizen Publishing Co. . . . .	1	1	96
Deloraine P. Colby . . . . .	1		
C. A. Cushman . . . . .	2		
Joshua H. Davis . . . . .	1		
Prof. A. S. Dolbear . . . . .	14	46	200
Horace L. Eaton . . . . .		4	
Miss Mary E. Elliot . . . . .	1		
Charles D. Elliot . . . . .	2	2	
Mrs. Lizzie P. E. Evans . . . . .	6		
Mrs. L. A. Field . . . . .			12
Hon. Edward Glines . . . . .	47		
J. T. Hammer . . . . .	1		
William C. Hammond . . . . .	8		
Harvard College . . . . .	1		
J. S. Hayes . . . . .	6		
Mrs. H. E. Hill . . . . .	1		
Hon. N. P. Hill, Denver Col. . . . .	1		
Indian Right Association . . . . .		24	30
William P. Jones . . . . .	1		
Journal Publishing Co. . . . .	1	2	104
Mrs. Martha P. Lowe . . . . .	3		
Robert Luce . . . . .	4	2	2
Thomas Miller . . . . .		5	
Emma F. Munroe . . . . .	2		
State of Massachusetts . . . . .	38		
Millicent Library, Fairhaven, Mass. . . . .	2		
Charles E. Nickerson . . . . .			171
Mrs. M. J. Ober . . . . .	1		
George W. Perkins . . . . .	20	50	
Mrs. C. G. Pope . . . . .	38		
Perkins Institute for the Blind . . . . .	81		
Mrs. A. E. Pickens . . . . .	1		
William J. Robinson . . . . .	1		
Salem Public Library . . . . .			12
Sunset Club, Chicago . . . . .	2		
G. A. Southworth . . . . .	1		
Springfield Public Library . . . . .			12
E. A. Stone . . . . .	5		
Charles I. Shepard . . . . .			356
B. F. Thompson . . . . .	2		
H. W. Tarbell . . . . .	2		
Tuftonian . . . . .			10
Tufts College Library . . . . .		10	
United Societies. Manifesto . . . . .			12
United States Government . . . . .	51		
Ursuline Convent, New Orleans . . . . .		1	
Worcester Board of Trade . . . . .	1		
Thomas S. Wentworth . . . . .	1		
Rev. A. E. Winship . . . . .	3		
Dr. R. Willis . . . . .			58

E. S. Barrett donated six cards issued by the Trustees of the First M. E. Church, in 1874, when they built the church.

F. D. Bourne presented three photographs of the Gen. Lee headquarters, beautifully framed, that should adorn some room in this building.

Miss Mary Flannagan donated a number of clippings from newspapers, relating to Somerville people or Somerville affairs.

It is hoped that the example set by these generous donors will be followed by others, and that many books, pamphlets, and periodicals that are now lying unused in many a household will be sent here, and either be put into circulation, or, if they should be duplicates of those we now have, be exchanged by us for books we need.

#### RENEWALS AND THE BORROWER'S CARD.

The by-laws of the library allow a borrower to retain a book fourteen days, and if renewed before the fourteen days have expired, it can remain in his possession another 14 days without incurring a fine; but the Committee on Books and Catalogues may require that new books shall be returned in a shorter time and that no renewal of such books shall be made. Under this rule all fiction, juvenile books, some works of travel, histories, and many other books were marked to circulate only seven days; after a time, however, instead of removing the seven-day limit, these books were allowed to be renewed, making them practically fourteen-day books, but putting the borrower to unnecessary trouble. With the possible exception of works of fiction and some small books, one week is too short a period to devote to a good book, and I am confident that the patrons of the library would appreciate having as few seven-day books as possible. It would, in my judgment, be wise to make *all* books that have been in the circulating library one year, fourteen-day books, perhaps not allowing fiction and juveniles to be renewed. This arrangement would appear to reduce the circulation of the library, for it has always been the custom here to count a renewed book the same as one taken out, that is, counting a renewed book twice, when it may have left the library but once. This change would also materially reduce the amount collected in fines, a very desirable thing to do.

A new card has been provided for the patrons of the library, which will enable them to keep the call-numbers selected until they obtain the books desired. Space is provided for fifty numbers, and if the holder keeps the spaces filled, he will be enabled to obtain his book much more quickly, and the delivery-room will be partly relieved of the crowd, as patrons are not delayed every time they come to the library by having to select new numbers. If, at any time, a borrower desires a different book from any indicated on the card, he makes out a white slip provided for the purpose, and hands it to the attendant with the card, and the numbers on the slip receive attention, instead of those on the card.

A new card for teachers has also been prepared, upon which they can take out a number of books, not exceeding ten at one time, for use in school. At no distant day, I hope to be able to report some plan to make the library even more helpful to the schools.

### LOCAL LITERATURE.

Permit me to call your attention to the language of Justin Winsor, Librarian of Harvard College, at the dedication of this building, which expresses the present policy of your Board of Trustees:—

“I think there is no more important purpose of a local library than to preserve its local literature, and the writings of its local authors; and I would extend the provision to those writers who were born within the local precincts. There is no other sure way of preserving such books; for the great libraries, with their enormous field, must of necessity overlook much. The preservation somewhere of all books of a serious purpose, even if that purpose be nothing more than the creation of a healthy pastime, all students, not only of literature, but of the history of manners, will unite in commending.

It would doubtless be too much to say that just the matter which kindles our fires, and supplies our paper mills, is destined to become the great treasures of our libraries in later centuries; but there is a good deal of truth in it nevertheless. It is those books and tracts which are so insignificant in their day of freshness, because we are too near them to discern their relations, that are preserved in obscurity, to become in one time the treasures upon which the binder's skill is exhausted. The commonness which

makes us despise them now, gives the flavor which makes them representative then.

It is significant that Sir Thomas Bodley, in founding the library at Oxford, which now proudly bears his name, counselled against the accession of the waifs and strays of a London season, and particularly of plays. These very tracts that a few pence could have bought then, I have known the custodians of that library in our day to compete for at scores, and even at hundreds of pounds. The most costly nuggets of our English libraries to-day are the little play-books of Queen Elizabeth's time, when countless thousands nearly all perished with the reading.

In 1846, Panizza, the great librarian of the British Museum, said, 'If a librarian had been guided by critics, he would have burned the early productions of Byron; and had he judged from their first reception, he would have thrown away, as worthless, 'Paradise Lost' and Newton's 'Principia'.'

Mr. Edward Edwards says, 'The trash of one generation becomes the highly prized treasure of another.' Such a statement is of course open to limitations, and for a library like yours, hardly I suppose aspiring to be one of the great libraries of the world, the limitations are obvious; but it is to-day the rule of the Bodleian, the British Museum, the great library of Paris, not to name some of the other leading libraries in Europe, as well as in this country, to reject nothing, having long ago learned the folly of discrimination."

We should, therefore, reject nothing that relates to Somerville, or her children and should gladly preserve everything that comes to us which will aid the future student in obtaining a correct idea of how the present generation employed its time.

### ABUSE OF PRIVILEGES.

The most annoying thing connected with the administration of a public library is the abuse books receive in the hands of certain of those who are allowed its privileges. It hardly seems possible that a being endowed with ordinary common-sense would treat any thing, much less borrowed property, in such a careless, heartless manner. The books are soiled, torn, and defaced, valuable plates, pictures, and maps removed and retained,—in plain English stolen!—and by persons it would not seem possible to suspect. Were it not for such persons, we might remove all restrictions even on valuable works, and stop covering

our books—a great expense in the aggregate—and let them circulate in the attractive covering the book-makers give them. To the cultivated person, a rich binding is an added charm to a good book. Books like choice friends should be treated kindly.

I am inclined to think that the free text-book in our school system is partly responsible for this careless use of books. That which costs us nothing is lightly prized. The child is not made to realize the intrinsic worth of the books provided him. If he or his parents bought them, he would be more likely to appreciate their value and see the need of more care in using them. I know of no better work our schools can do than to teach children the value of books, and that to mar or disfigure them is to injure friends. We seldom misuse what we properly appreciate and enjoy. What we love we treat tenderly.

“A book” said Henry Ward Beecher “is not a luxury, but one of the necessaries of life. It is better for weariness than sleep, better for cheerfulness than wine; it is often a better physician than the doctor, a better preacher than the minister, a better sanctuary than the drowsy church.”

#### RE-BINDING.

During the past year 1,492 volumes were sent to the bindery, and there are many books on our shelves to-day that ought to be re-bound before they are again put into circulation. As the library increases in age, the bills for rebinding will necessarily be larger, and this fact must be considered by the city council in making its appropriation for the library.

Your Committee on Books has decided, wisely I think, to bind all books except fiction, in “half-leather”, either morocco or cowhide. The only reason for continuing to use cloth for binding fiction, is the lack of a sufficient appropriation to permit the use of leather.

#### BOOK LISTS.

The printed list of books available to the public is contained in the catalogue of 1888 and in the supplements of 1889 and 1892. These three lists include all books in the library bought before November 1, 1891. The list of additions since that date, some thirty-six



hundred volumes, has never been printed. There is no doubt that many patrons of the library desire to select their books at home, and would appreciate a complete list of the books. A strictly complete list is impossible, however, for while a list is being printed, new additions are being made, and a bulletin must be issued.

A catalogue arranged under one alphabet by subjects, titles, and authors, would probably cost in the neighborhood of two thousand dollars, and I would not advise your printing one until the new classification is completed; but to bridge over the difficulty in the meantime, I would suggest that you issue monthly bulletins in which the books added since 1891 should appear under authors and titles, and that the public card catalogue be discontinued until one can be prepared with subjects, titles, authors and cross references. The one now in use is by title only, and would be of no assistance to the reader, as all titles would be available in printed form under the proposed arrangement.

### RECOMMENDATIONS.

Were it a matter of choice, I would willingly postpone an expression of opinion as to what, in my judgment, would increase the usefulness of the library and add to its efficiency, until longer experience and more careful thought might give assurance of the practical value of my views.

While it is scarcely six months since the administrative management was placed in my charge, it is nearly two years since you requested me to make a study of the plans, aims, and administration of an institution that ranks next to the church and the school.

Besides trying to become familiar with the routine administration of the affairs of the library, I have endeavored to find out, as time would permit, the character of the books and to study its life and growth as found in the records of this board, and in your reports. As a result, I can freely say that the library has been exceedingly fortunate in having the services of able and devoted men and women in its organization, management, and administration. It has been built up and carried forward with no false step, or retrograde movement, from its small beginning in a little room, until it has quite outgrown this beautiful building,

and it seeks to-day new opportunities of usefulness even in advance of public requirement.

We are all agreed that a complete re-organization of the library must be made at the earliest possible moment, that this re-organization must be made without closing the library to the public, and that the books must be thoroughly classified into the groups to which they properly belong. It is generally admitted that not less than twelve groups should be made, as follows:—

0. General Works.
1. Philosophy.
2. Religion.
3. Sociology.
4. Philology.
5. Natural Science.
6. Useful Arts.
7. Fine Arts.
8. Literature.
9. History.
- B. Biography.
- F. Fiction.

I trust that nothing will prevent our beginning this work and continuing it until it is completed, a finding-list printed, and a card catalogue of all our books with cross-references, etc., prepared. It will take years to do this, but the classification and re-numbering once done, will be done for all time, and the usefulness of the library will be increased immeasurably.

When the classification is completed, the new numbers placed in the books, and we are ready to place the books in their new position, we must have at least twelve hundred feet more shelving in the stack-room alone. Allowing one hundred and twenty feet of shelves for each one thousand books, at the end of five years you will find your shelves full. Economy and prudence would suggest that no change be attempted until an addition be made to the stack-room, and provision made for at least sixty thousand volumes; for as our city grows in population the an-

nual addition of books to the library must also increase. This leads me to call your attention to the early need of more room in several directions.

When I took charge of the library, I found several thousand books on the shelves in a position ruinous to the binding, but enforced by the faulty construction of the shelves and the crowded condition of the room. To gain space to place these books in proper position, we fitted up the store-room and filled it with public documents. All the bound magazines we removed to the small room up stairs which will hold no more unless we put in a central stack. The reference books we removed to the large room in the second story, a room unfitted and inconvenient for this purpose, but large enough for several years' growth. The room formerly used for the reference-room was given up to works on Americana and to the rare and more expensive works that are not in general circulation. These changes relieved the stack-room for the time being, and we have room for perhaps three thousand volumes more. In less than two years from to-day with your books still in a fixed location, your stack-room will be crowded, and there will be no relief but in an addition to the building.

The present delivery-room is already too small for the large numbers that come to the library for books, and we have no space for a properly arranged card catalogue for public use.

The reading-room is much too small for even present demands and when an addition is made, a new reading-room should be provided and this room devoted to book shelves.

This library can never occupy the position it should as an educational force in the community, until provision is made for the investigator and the student. Rooms are needed to which the intellectual worker can retire with the books he needs, make his investigation and study in quiet. And I hope and expect to see the day when our library will be equipped with all the needed appliances to make it in fact, as in name, the people's college.

When the city gives you this added room,—and this cannot come too quickly,—it should also provide rooms for relics,

that future generations may here find object lessons that will teach them, as no books can, the record of the past, and will impress upon their minds the changes and the progress made since Massachusetts's first governor made his home on Ten Hills Farm, and launched the Blessing of the Bay on Mystic's sparkling waters.

Respectfully submitted,

JOHN S. HAYES, *Librarian.*

December 26, 1893.





REPORT  
OF THE  
SOMERVILLE MYSTIC WATER  
BOARD.

## CITY OF SOMERVILLE.

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IN BOARD OF ALDERMEN, February 14, 1894.

Referred to the committee on printing, to be printed in the annual reports. Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

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IN COMMON COUNCIL, February 15, 1894.

Referred to the committee on printing, to be printed in the annual reports, in concurrence.

CHARLES S. ROBERTSON, *Clerk.*



# CITY OF SOMERVILLE.

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OFFICE OF THE WATER BOARD, February 2, 1894.

*To his Honor the Mayor and the City Council:—*

The Somerville Mystic Water Board submits the following as its twentieth annual report of the condition of the Water Department, being for the year ending December 31, 1893.

## ORGANIZATION.

The term of Albion A. Perry expired at the beginning of the present year, and William Franklin Hall was appointed by the Mayor and Aldermen to take his place, Mr. Perry declining re-appointment. We wish to record here the fidelity of Mr. Perry, and our appreciation of his services as President of the Board during the two years of his service.

The Board organized on February 2, by choice of George D. Wemyss as president, and Frank E. Merrill as clerk.

## COST OF WATER WORKS.

The total cost of works on December 31, 1892 was	\$572,048.52
Expended during the past year for Water-works	
Extension . . . . .	35,545.30
Total cost December 31, 1893 . . . . .	<u>\$607,593.82</u>

## WATER DEBT.

The indebtedness of the city on account of the Water Works on December 31, 1892 was \$375,500; this debt has been reduced during 1893, by the payment of bonds maturing July 1 and October 1,

to the amount of \$17,000, the water indebtedness being now represented by bonds drawing interest as follows:—

\$10,000.00	at	5½	per cent.	per annum.
94,500.00	“	5	“	“
254,000.00	“	4	“	“

### RECEIPTS AND DISBURSEMENTS.

The following tables exhibit the receipts and expenditures for maintenance and extension of the water works during the year 1893:—

#### MAINTENANCE.

Received, unexpended balance from appropriation for 1892 . . . . .		\$1,083.93
Received, amount appropriated by City Council for 1893 . . . . .		25,000.00
Received, collections from sundry persons for work done . . . . .		204.03
Work done for sundry persons uncollected . . . . .		28.00
Received, balance from water service assessments . . . . .		1,401.54
Paid for maintenance of water works	\$25,807.44	
Paid for work done for sundry persons . . . . .	232.03	
Paid claim of Maggie K. Norwood . . . . .	2,274.70	
Amount to debit account of 1894 . . . . .		596.67
	<hr/>	<hr/>
	\$28,314.17	\$28,314.17

#### EXTENSION.

Received, unexpended balance from appropriation for 1892 . . . . .		\$560.24
Received, amount appropriated by City Council for 1893 . . . . .		35,000.00
Received, collections from sundry persons for work done . . . . .		154.68
Paid for extension of water works	\$35,545.30	
Paid for work done for sundry persons . . . . .	154.68	
Balance unexpended at end of year . . . . .	14.94	
	<hr/>	<hr/>
	\$35,714.92	\$35,714.92

## DESCRIPTION OF THE WORKS.

A short description of the works will tend to aid those not acquainted with the condition of this department to better understand its principal features. Somerville has a population of about 50,000 and an area of about 2,600 acres. The distribution pipes, or street mains were laid, and are owned, by the City of Somerville, but water is supplied to them by the Mystic Water Department of the City of Boston, connections being made with their large supply mains which pass through our city from the reservoir in Medford, to the Charlestown District of the City of Boston. The rates paid for water are the same as in the City of Boston. The water taxes are collected of the takers by the City of Boston, and fifty per cent of the same is paid by contract to the City of Somerville. The City of Somerville pays the City of Boston for the use of water for fire purposes taken from the hydrants at the rate of \$28.00 for each 350 inhabitants as shown by the semi-decennial census next preceding; the amount paid in 1893 was \$3,220.00.

The water service pipes are laid by the City of Somerville, at the expense of the owners of property.

The City of Somerville built a pumping station and standpipe for its high-service system in the year 1889, and laid pipes in the city for supplying the high-service districts, water for that purpose being drawn from the low service mains.

We have sixty-seven miles and 3,602 feet of distribution pipe laid in our streets up to January 1, 1894, of which about forty-one miles are of cast iron, and the remainder of cement, a large portion of the latter having been laid by contract during the early years of the water works, and has long since outlived its usefulness.

## EXTENSION OF WORKS.

Reference is made to the report of the superintendent herewith presented, for details of pipe laid in the extension of the works, the length extended during 1893 being 8,446 feet. The demand for pipes in new streets has not been quite equal to what it was in former years.

## RELAYING WATER PIPES.

The work of taking up the old cement pipe, and laying in place thereof cast iron pipe, has been continued during the past year. The most important work was the removal of the old eight-inch pipe in Washington Street between Medford Street and Bonner Avenue, and laying a twenty-inch cast iron pipe, which will be a part of an important main connecting the supply main of the City of Boston with Union Square and vicinity.

Another important work was the laying of twelve-inch pipe in Elm Street through Willow Avenue to Davis Square, in place of the old six-inch cement pipe.

It has been the policy of the Board in relaying these pipes to use a much larger size, which will give us a much better service in case of fire.

The original plans for a system of distribution pipes were made in 1868, when Somerville was a small place with a population of 12,535, while now the population is not less than 50,000; therefore much larger pipes are required to supply the increased number of inhabitants.

The Board considers it of great importance to continue this work of relaying, especially in the high-service districts, and we believe that all the income from water rates should be appropriated for the uses of this department, until such time as the city shall have been cleared of all the unsound pipes within its limits.

## HYDRANTS.

We now have a total of 568 hydrants in the city, of which twenty-six were paid for by private parties. The number of hydrants set during the year was fifty-four, removed twenty-one, making a net increase of thirty-three. There has been the usual expense for repairs upon the hydrants, which has been done by this department. Last year we recommended that the expense of setting and repairing hydrants be charged to the appropriation for the fire department, but, as yet, no action has been taken upon the matter by the City Council.

## HIGH WATER SERVICE.

The high water service continues to give satisfaction. A new boiler has been purchased and set, which will act as a relief to the one formerly in use ; the cost was \$1,270.00.

The standpipe was emptied during the month of August and found to be in good condition.

Howe platform scales with a capacity of ten tons were purchased and set up at the pumping station at a cost of \$543.22. This gives us an opportunity to weigh all the coal purchased for the pumping station, and has also proved a great convenience to other departments of the city.

In our report for the year 1891 we recommended that steps be taken towards the purchase of a suitable lot of land on the summit of Winter Hill, for the purpose of erecting another standpipe ; and during the past year we reached the conclusion that it would be advisable to purchase a duplicate pump to provide for the increasing demands of the high-service and for the purpose of having on hand at all times a duplicate machine in case the one now in use should become disabled. From a recent conference with some of the officers of the State Board of Health, who are now examining the question of providing a metropolitan water supply, we find it probable that they will make such recommendations to the legislature of 1895, in regard to the high-service supply of Somerville and other cities, as to render it advisable for us to postpone the purchase of a pump and standpipe until their report upon this subject appears.

## WATER SUPPLY.

In our last annual report we called attention to the needs of Somerville and other cities in regard to additional supply of water. The last Legislature instructed the State Board of Health to examine into the matter of metropolitan water supply and to report in the year 1895. When this report is made we expect to receive considerable information in regard to the question. In the meantime, the Board, upon invitation of the Water Board of the City of Boston, and in company with the Boards of Chelsea and Everett, have visited the Shawsheen River basin to consider the feasibility

of utilizing this water supply in connection with the Mystic system ; and we consider the matter of sufficient importance to be worthy of further investigation.

### CAMBRIDGE PIPES IN SOMERVILLE STREETS.

The City of Cambridge, years ago, laid in some of our streets a large amount of pipe from which they have been collecting the water rates from year to year. Portions of these streets have been relaid by Somerville, and there now remains a total of 7,466 feet of streets and 430 families in Somerville that are still supplied with Cambridge pipes and water. We estimate the cost of laying our own pipes in these streets to be about \$8,000.00, and the net yearly income to the City of Somerville in water rates therefrom, to be about \$2,000.00. In view of these facts, we recommend that the appropriation for the year 1894 be increased in accordance with these figures, in order that these streets be laid with Somerville pipes. Such a change would be of benefit to the people living upon these streets, as the rates in Somerville for houses of the class now supplied by the Cambridge pipes are less than those charged by Cambridge. It would also be an additional protection in case of fire, as our pipes would be of larger size, more hydrants would be maintained, and, while the pressure of the Cambridge water in these streets is about twenty-two pounds per square inch, the pressure of the Somerville water would be about forty-five pounds per square inch.

GEORGE D. WEMYSS,

GEORGE A. KIMBALL,

WM. FRANKLIN HALL,

*Somerville Mystic Water Board.*

## REPORT OF THE SUPERINTENDENT.

*To the Somerville Mystic Water Board:—*

GENTLEMEN,—The annual report of the Superintendent of the Somerville Mystic Water Works, giving a detailed account of all the work performed during the year 1893, is respectfully submitted. Tables are submitted herewith showing the location, size, and number of feet of pipe laid and relaid; the number of hydrants set and repaired; the location of hydrants in use December 31, 1893; the number of gates set and abandoned; the number of stand-pipes in use December 31, 1893; and the location of drinking fountains in use.

A table is submitted showing the location and diameter of wrought-iron, cement-lined pipe in use December 31, 1893.

A tabular statement is also submitted showing the length of streets and number of apartments in Somerville supplied with water from the Cambridge Water Works, with the estimated cost of relaying, and the estimated income if these streets are supplied from the Somerville distribution.

### HIGH SERVICE.

No important extension of this service was made during the year. The tank was cleaned in August last; but little sediment was found on the bottom or sides.

### MISCELLANEOUS WORK PERFORMED AT SHOPS.

At the shops of this department the usual amount of work was performed, such as repairing gates and hydrants, lining service pipe, making lead connections and cement plugs, and a large amount of incidental repairs.

## SERVICES.

One hundred and seventy-two services or 13,435 feet were laid during the year.

Total length now in the city is fifty-two miles, 1,463 feet.

Average cost of each service \$18.03.

One hundred and forty-five services were repaired; twenty-six thawed; 116 cleared of fish; fifty-six cleared of rust and sediment; sixty-eight new boxes in place of old decayed ones. Seventeen services were replaced by new ones, the expense being borne by owners at a cost of \$297.77; twenty were replaced by new ones, the expense being borne by the city.

Four hundred and ninety-five service boxes were brought to grade, on account of laying brick sidewalks.

Water was turned off and on in 156 instances.

## BURSTS ON CEMENT MAINS.

Fifty-three bursts have occurred on the cement mains of the following diameters: one was on the sixteen-inch, one was on the twelve-inch, four were on the eight-inch, eighteen were on the six-inch, twenty-six were on the four-inch, one was on the three-inch, and two were on the two-inch.



TABLE SHOWING THE LOCATION, SIZE, AND NUMBER OF FEET OF PIPE LAID IN 1893.

STREET.	FROM.	TO.	DIAMETER IN INCHES.	LENGTH IN FEET.
Mansfield St. . .	Dead End . . .	Washington St.	16	710
Prospect St. . .	Washington St.	Somerville Ave.	16	166
				876
Broadway . . .	Billingham St. . .	Easterly . . .	12	128
Elm St. . . . .	Day St. . . . .	Dover St. . . .	12	200
				328
Summer St. . .	Elm St. . . . .	Cutter Ave. . .	10	233
Atherton St. . .	Central St. . . .	Beech St. . . .	8	298
Banks St. . . .	Elm St. . . . .	Northeasterly .	8	106
Benton Ave. . .	Gibbens St. . . .	Southerly . . .	8	133
Burnside Ave. .	Elm St. . . . .	Northeasterly .	8	313
Elston St. . . .	Elm St. . . . .	Northeasterly .	8	13
Grove St. . . .	Winslow Ave . .	Morrison St. . .	8	200
Hall Ave. . . .	Elm St. . . . .	Southeasterly .	8	339
Hancock St. . .	1892 . . . . .	Northeasterly .	8	185
Melvin St. . . .	Broadway . . . .	Southwesterly	8	171
Mystic St. . . .	Washington St.	Southerly . . .	8	43
Talbot St. . . .	Packard Ave. . .	Northeasterly .	8	561
				2362
Albion St. . . .	Central St. . . .	Northwesterly	6	30
Ames St. . . . .	Central St. . . .	Northwesterly	6	36
Billingham St.	1890 . . . . .	Broadway . . .	6	30
Charnwood Rd.	Willow Ave. . . .	Gordonia Rd.	6	634
Clarendon Ave.	Passageway . . .	Northeasterly	6	224
Cottage Ave.	Russell St. . . .	Northwesterly	6	207
Cypress St. . .	Central St. . . .	Northwesterly	6	18
Dell St. . . . .	1891 . . . . .	Tufts St. . . .	6	132
Frost Ave. . . .	Angle . . . . .	Dane St. . . . .	6	320
*Gilman Sq. . .	. . . . .	. . . . .	6	106
Glover Circle .	Dover St. . . . .	Northwesterly	6	118
Gordonia Rd.	Summer St. . . .	Northeasterly	6	212
*Hall Ave. . . .	. . . . .	. . . . .	6	6
*Hancock St. .	. . . . .	. . . . .	6	6
Harrison St. . .	Kent St. . . . .	Mondamin Ct.	6	382
Hawthorne St.	Willow Ave. . . .	Northwesterly	6	26
*Mansfield St.	. . . . .	. . . . .	6	13
Mousal Pl. . . .	No. Union St.	Easterly . . . .	6	12
Mystic Ave . . .	1873 . . . . .	1873 . . . . .	6	334
*Oliver St. . . .	. . . . .	. . . . .	6	10
Rossmore St. . .	Washington St.	Southeasterly	6	42
Russell St. . . .	Elm St. . . . .	Cottage Ave. . .	6	260
Stone Ave. . . .	Columbus Ave.	Southwesterly	6	154

TABLE SHOWING THE LOCATION, SIZE, AND NUMBER OF FEET OF PIPE LAID IN 1893.—*Concluded.*

STREET.	FROM.	To	DIAMETER IN INCHES.	LENGTH IN FEET.
*Talbot St. . . .	. . . . .	. . . . .	6	10
*Washington St.	. . . . .	. . . . .	6	20
West St. . . .	Heath St. . . .	Southwesterly	6	223
Wigglesworth	1893 . . . . .	Northeasterly	6	188
Windom St. . .	Elm St. . . . .	Northeasterly	6	14
York Terrace	Central St. . . .	Northwesterly	6	120
				3887
*Broadway . . .	. . . . .	. . . . .	4	21
Hillside Ave . .	Main . . . . .	Sewer . . . . .	4	16
Mondamin Ct.	1891 . . . . .	Harrison St.	4	8
*Mt. Vernon Ave	. . . . .	. . . . .	4	5
*Mystic Ave. . .	. . . . .	. . . . .	4	10
Passageway . .	Clarendon Ave.	Newbury St. . .	4	262
				322
Appleton St. . .	Clifton St. . . .	Northwesterly	$\frac{3}{4}$	40
Conwell St. . .	Francis St. . . .	Northerly . . .	$\frac{3}{4}$	58
Lowell St. . . .	Hudson St. . . .	Northeasterly	$\frac{3}{4}$	123
Sydney St. . . .	1892 . . . . .	Northwesterly	$\frac{3}{4}$	27
Vine Pl. . . . .	Vine St. . . . .	Northwesterly	$\frac{3}{4}$	147
Winslow Ave.	1892 . . . . .	Southeasterly	$\frac{3}{4}$	44
				439
Total length	of pipe laid . . .	. . . . .	. . . . .	8,447

\* Hydrant Branch.

TABLE SHOWING THE LOCATION, SIZE, AND NUMBER OF FEET OF PIPE RELAID IN 1893.

STREET.	FROM.	To	SIZE.		LENGTH IN FEET.
			Abandoned.	Relaid.	
*Albion St. . . . .	. . . . .	. . . . .	4"	6"	3
Aldersey St. . . . .	Vinal Ave. . . . .	Walnut St. . . . .	4"	6"	502
Appleton St. . . . .	Clifton St. . . . .	Willow Ave. . . . .	4"	6"	563
Bonner Ave. . . . .	Washington St..	Northeasterly . . . . .	6"	8"	20
Boston St. . . . .	Washington St..	Northeasterly . . . . .	6"	6"	20
*Cameron Ave. . . . .	. . . . .	. . . . .	4"	6"	4
Chester St. . . . .	Elm St. . . . .	Orchard St. . . . .	4"	6"	641
Clark St. . . . .	Newton St. . . . .	Northwesterly . . . . .	1"	8"	170
Clifton St. . . . .	Morrison St. . . . .	Appleton St. . . . .	4"	6"	213
Cottage Ave. . . . .	Russell St. . . . .	Chester St. . . . .	4" & 1"	6"	384
Cutter Ave. . . . .	Summer St. . . . .	Northeasterly . . . . .	4"	6"	19
Dane St. . . . .	Somerville Ave.	F. R. R. . . . .	6"	12"	568
Day St. . . . .	Elm St. . . . .	Orchard St. . . . .	4"	{ 6" 8"	{ 14 768
Dover St. . . . .	Elm St. . . . .	Orchard St. . . . .	4"	{ 6" 10"	{ 18 861
Elm St. . . . .	Willow Ave. . . . .	Day St. . . . .	{ 4" 6"	{ 6" 12"	{ 32 1990
Franklin Ave. . . . .	Washington St.	Northerly . . . . .	3"	4"	485
Frost Ave. . . . .	Somerville Ave.	Angle . . . . .	4"	6"	272
Grand View Ave	Vinal Ave. . . . .	Southeasterly . . . . .	4"	6"	2
Grove St. . . . .	Elm St. . . . .	Northeasterly . . . . .	4"	6"	18
Harrison St. . . . .	Mondamin Ct. . . . .	Southeasterly . . . . .	6"	6"	30
Heath St. . . . .	. . . . .	. . . . .	3"	6"	5
Herbert St. . . . .	Chester St. . . . .	Day St. . . . .	4"	6"	376
*Hillside Ave. . . . .	Pearl St. . . . .	Hillside Ave . . . . .	4"	4"	149
London St. . . . .	. . . . .	. . . . .	4"	6"	4
Meacham St. . . . .	Orchard St. . . . .	Northeasterly . . . . .	4"	{ 4" 8"	{ 284 485
Medford St. . . . .	. . . . .	. . . . .	4"	4"	30
No. Union St..	Mystic Ave. . . . .	Mousal Pl. . . . .	4"	6"	442
Oliver St. . . . .	Cross St. . . . .	Southeasterly . . . . .	4"	8"	390
Orchard St. . . . .	Chester St. . . . .	Meacham St. . . . .	4"	10"	529
Pleasant Ave. . . . .	Vinal Ave. . . . .	Walnut St. . . . .	4"	6"	552
*Poplar St. . . . .	. . . . .	. . . . .	4"	4"	17
Sacramento St.	Beacon St. . . . .	Southwesterly . . . . .	6"	6"	142
Spring St. . . . .	. . . . .	. . . . .	4"	4"	10
Summer St. . . . .	Elm St. . . . .	Cutter Ave. . . . .	6"	10"	62
Summit Ave. . . . .	Vinal Ave. . . . .	Walnut St. . . . .	4"	6"	532
Tenney Court.	Mystic Ave. . . . .	Northerly . . . . .	4"	{ 4" 6"	{ 5 433
Tower Court. . . . .	Tyler St. . . . .	Northeasterly . . . . .	4"	4"	173
Tyler St. . . . .	Dane St. . . . .	Vine St. . . . .	4"	6"	435
Vinal Ave. . . . .	Highland Ave. . . . .	Southwesterly . . . . .	6"	{ 6" 8"	{ 11 751
Warren Ave. . . . .	Bow St. . . . .	Columbus Ave. . . . .	6"	6"	673
Washington St.	Prospect St. . . . .	Medford St. . . . .	8"	6"	20
Washington St.	. . . . .	. . . . .	8"	12"	23
Washington St.	. . . . .	. . . . .	8"	20"	1063
Willow Ave. . . . .	Elm St. . . . .	Highland Ave. . . . .	{ 4" 6"	{ 6" 12"	{ 8 1108
<b>Total . . . . .</b>	. . . . .	. . . . .	. . . . .	. . . . .	<b>16,309</b>

\*Hydrant Branch.

## HYDRANTS.

During the past year the hydrants have received especial care, and all of them have been thoroughly repaired and oiled.

Number of hydrants taken out repaired and reset . . . . .	18
Number of hydrants found frozen and thawed . . . . .	5
Number of hydrants broken replaced by new ones . . . . .	8
Number of hydrants removed . . . . .	21
Number of hydrants set . . . . .	54
Making a net increase of . . . . .	33
Whole number of hydrants in the city is . . . . .	568

of which 26 are private, and 84 are on the high-service.

Eighteen were repaired at the shops with new gaskets, valves, standard bolts and nuts, and set in new locations.

TABLE SHOWING THE LOCATION OF HYDRANTS,  
DECEMBER 31, 1893.

- Adams street, corner of Broadway.
- Adams street, 240 feet south of Broadway.
- Adams street, 300 feet north of Medford street.
- Adrian street, 118 feet east of Marion street.
- Adrian street, 220 feet south of Joseph street.
- Allen street, 9 feet north of Charlestown street.
- Albion street, 78 feet west of Central street.
- Albion street, 312 feet west of Central street.
- Albion street, 234 feet east of Lowell street.
- Albion street, 421 feet east of Cedar street.
- Aldersey street, 200 feet west of Walnut street.
- Alpine street, 280 feet east of Cedar street.
- Alpine street, 670 feet east of Cedar street.
- Allston street, 12 feet west of Shawmut place.
- Appleton street, corner of Clifton street.
- Appleton street, 39 feet west of Willow avenue.
- Arthur street, 29 feet south of Broadway.
- Auburn avenue, 519 feet west of Cross street.
- Austin street, 82 feet south of Mystic avenue.
- Austin street, 66 feet north of Benedict street.

- Avon street, 585 feet west of School street.  
Beacon street, 300 feet east of west end of street.  
Beacon street, 84 feet east of Harris street.  
Beacon street, 46 feet west of Sacramento street.  
Beacon street, 15 feet west of Kent, street.  
Beacon street, corner of Ivaloo street.  
Beacon street, 72 feet east of Park street.  
Beacon street, 22 feet east of Durham street.  
Beacon street, 260 feet east of Washington street.  
Beacon street, 219 feet west of Cooney street.  
Beacon street, 222 feet west of Buckingham street.  
Beech street, corner of Spring street.  
Belmont street, 554 feet south of Highland avenue.  
Belmont street, 228 feet north of Pitman street.  
Belmont street, 255 feet north of Summer street.  
Benedict street, 34 feet east of Mystic street.  
Berkeley street, 8 feet east of Central street.  
Berkeley street, 213 feet east of Hersey street.  
Berkeley street, 28 feet west of School street.  
Berkeley street, 212 feet west of Hersey street.  
Billingham street, 129 feet north of William street.  
Bonair street, opposite Autumn street.  
Bonair street, 62 feet east of Walnut street.  
Bonner avenue, opposite Homer square.  
Boston street, 90 feet west of Bigelow street.  
Boston street, 213 feet east of Bigelow street.  
Boston street, north corner of High street.  
Bow street, 125 feet west of Union square.  
Bow street, junction of Summer street.  
Bow street, opposite Bow-street place.  
Bowdoin street, 68 feet north of Fremont avenue.  
Brastow avenue, 200 feet east of Porter street.  
Broadway, 50 feet east of Mt. Pleasant street.  
Broadway, 28 feet west of George street.  
Broadway, 21 feet west of Broadway place.  
Broadway, corner of Glen street.  
Broadway, 15 feet west of Cross street.  
Broadway, 33 feet west of Walnut street.

- Broadway, 250 feet west of Edmands street.
- Broadway, 174 feet west of Grant street.
- Broadway, opposite Marshall street.
- Broadway, corner of School street.
- Broadway, opposite School street.
- Broadway, corner of Thurston street.
- Broadway, 240 feet east of Central street.
- Broadway, 13 feet west of Norwood avenue.
- Broadway, 324 feet west of Hinckley street.
- Broadway, 424 feet west of Hinckley street.
- Broadway, opposite Cedar street.
- Broadway, 180 feet west of Wilson avenue.
- Broadway, 40 feet west of of Packard avenue.
- Broadway, 180 feet east of Endicott avenue.
- Broadway, 175 feet east of North street.
- Broadway, 415 feet west of North street.
- Broadway, east corner of Mt. Vernon street.
- Broadway, west corner of Franklin street.
- Brook street, 18 feet west of Rush street.
- Buckingham street, west corner of Dimick street.
- Bennett street, 150 feet east of Prospect street.
- Cameron avenue, opposite Mead street.
- Cameron avenue, 438 feet south of Mead street.
- Cedar street, 289 feet north of Elm street.
- Cedar street, 90 feet north of Sartwell avenue.
- Cedar street, 50 feet north of Hall street.
- Cedar street, 14 feet north of Highland avenue.
- Cedar street, 14 feet north of Albion street.
- Cedar street, 124 feet south of Warwick street.
- Cedar street, 50 feet north of Clyde street.
- Cedar street, 24 feet south of Murdock street.
- Cedar street, 270 feet south of Broadway.
- Central street, 75 feet south of Broadway.
- Central street, 6 feet north of Forster street.
- Central street, 9 feet north of Vernon street.
- Central street, 200 feet south of Vernon street.
- Central street, 8 feet north of Albion street.
- Central street, corner of Summer street.

Chandler street, 16 feet south of Broadway.  
Chandler street, 216 feet north of Park avenue.  
Charnwood road, 100 feet east of Gordonia road.  
Chauncey avenue, 9 feet north of Jaques street.  
Chester street, 15 feet north of Chester place.  
Chestnut street, 538 feet south of Poplar street.  
Chestnut street, 246 feet south of Poplar street.  
Church street, 9 feet south of Summer street.  
Church street, 327 feet south of Summer street.  
Church street, 16 feet south of Somerville avenue.  
City stables, east end of yard.  
Clarendon avenue, at Cambridge City ledge (south side).  
Clark street, 200 feet west of Newton street.  
Clyde street, south corner of Murdock street.  
Campbell park, 255 feet west of Meacham street.  
Charles street, 183 feet south of Washington street.  
Columbus avenue, 150 feet east of Bonner avenue.  
Columbus avenue, 123 feet west of Bonner avenue.  
Columbus avenue, 35 feet west of Stone avenue.  
Columbus avenue, 8 feet east of Walnut street.  
Concord avenue, 90 feet east of Concord square.  
Concord avenue, 30 feet east of Springfield street.  
Concord avenue, 20 feet east of Wyatt street.  
Conwell avenue, 465 feet west of Curtis street.  
Cottage avenue, 150 feet east of Russell street.  
Craigie street, 555 feet south of Summer street.  
Craigie street, 400 feet north of Somerville avenue.  
Crescent street, opposite Hadley street.  
Cross street, corner of Otis street.  
Cross street, corner of Pearl street.  
Cross street, 16 feet north of Gilman street.  
Curtis street, 146 feet north of Professors' row.  
Curtis street, opposite Raymond avenue.  
Curtis street, 100 feet north of Fairmount avenue.  
Cutter square, north side.  
Cutter street, 290 feet south of Broadway (south line).  
Dane street, 9 feet north of Tyler street.  
Dane street, 112 feet south of Skehan street.

- Dane street, 55 feet north of Skehan street.
- Dane court, 510 feet east of Dane street.
- Dartmouth street, 312 feet south of Broadway.
- Dartmouth street, 57 feet south of Evergreen avenue.
- Dartmouth street, 180 feet north of Medford street.
- Day street, 3 feet south of Davis Square.
- Day street, 100 feet south of Herbert street.
- Day street, corner of Orchard street.
- Dell street, 275 feet west of Glen Street.
- Delaware street, 270 feet east of Aldrich street.
- Derby street, 399 feet east of Temple street.
- Dickinson street, 12 feet east of Beacon street.
- Dover street, 205 feet south of Davis square.
- Dover street, 129 feet south of Glover circle.
- Dover street 3 feet north of Orchard street.
- Durham street, 54 feet south of Hanson street.
- Elm street, 275 feet west of Craigie street.
- Elm street, corner of Linden avenue.
- Elm street, 9 feet west of Cedar street.
- Elm street, 6 feet west of Cherry street.
- Elm street, 58 feet east of Willow avenue.
- Elm street, east corner of St. James avenue.
- Elm street, west corner of Elston street.
- Elm street, opposite Tenney street.
- Elm street, 25 feet west of Russell street.
- Elm street, 18 feet west of Grove street.
- Elm street, 86 feet west of Chester street.
- Elm street, 10 feet north of Winter street.
- Elm street, 6 feet south of Morrison street.
- Elm street, 69 feet south of William street.
- Elm street, opposite Kenwood street.
- Elm street, corner of Broadway.
- Elmwood street, 450 feet south of Holland street.
- Eliot street, corner of Park street.
- Endicott avenue, 430 feet south of Broadway.
- Evergreen avenue, 8 feet east of School street.
- Everett avenue, 200 feet east of Dana street.
- Everett street, opposite Emerson street.



Fairmount avenue, 590 feet west of Curtis street.  
Farragut avenue, 258 south of Broadway.  
Farragut avenue, 550 feet south of Broadway.  
Fiske avenue, 126 feet east of Hinckley street.  
Fitchburg street, 400 feet east of Linwood street.  
Flint street, 18 feet east of Flint avenue.  
Florence street, 222 feet south of Perkins street.  
Florence street, 486 feet north of Washington street.  
Forster street, opposite Tennyson street.  
Francesca avenue, 305 feet east of Elm street.  
Franklin street, 14 feet north of Arlington street.  
Franklin street, 80 feet south of Webster street.  
Franklin street, 165 feet south of Pearl street.  
Franklin street, 87 feet south of Oliver street.  
Franklin street, 96 feet south of Palmer avenue.  
Franklin street, 29 feet north of Washington street.  
Fremont street, 86 feet north of Main street.  
Fremont street, 350 feet north of Main street.  
Frost avenue, opposite American Tube Works.  
Fountain avenue, 280 feet west of Glen street.  
Garden court, 475 feet south of Somerville avenue.  
Gibbens street, 206 feet west of Central street.  
Gibbens street, 129 feet west of Benton avenue.  
Gilman street, 240 feet east of Walnut street.  
Gilman square (south-east side).  
Gilman street, 180 feet east of Aldrich street.  
Glen street, 9 feet north of Brooks street.  
Glen street, corner of Flint street.  
Gorham street, corner of Howard street.  
Grand View avenue, 288 feet east of Vinal avenue.  
Greene street, 200 feet south of Summer street.  
Greenville street, 148 feet north of Boston street.  
Greenville street, 33 feet north of High street.  
Hall avenue, 200 feet east of Elm street.  
Hamlet street, 321 feet south of Highland avenue.  
Hammond street, 30 feet west of Dickinson street.  
Hancock street, 200 feet south of Summer street.  
Hanson street, 40 feet north of Skehan street.

Harvard street, 15 feet north of Beech street.  
Harrison street, 100 feet east of Kent street.  
Hawkins street, 50 feet east of Lake street.  
Heath street, 51 feet west of Temple street.  
Heath street, 320 feet west of West street.  
Heath street, corner of Bond street.  
Heath street, corner of Moreland street.  
Hawthorne street, 340 feet west of Willow avenue.  
Henderson street, 159 feet north of Wilton avenue.  
Herbert street, 192 feet east of Day street.  
High street, 300 feet west of Boston street.  
Highland avenue, corner of Medford street.  
Highland avenue, corner of Walnut street.  
Highland avenue, 72 feet west of Vinal avenue.  
Highland avenue, 278 feet west of Walnut street.  
Highland avenue, opposite Prescott street.  
Highland avenue, 318 feet west of School street.  
Highland avenue, 114 feet east of Sycamore street.  
Highland avenue, corner of Central street.  
Highland avenue, 28 feet west of Belmont street.  
Highland avenue, 180 feet west of Lowell street.  
Highland avenue, corner of Porter street.  
Highland avenue, corner of Eastman place.  
Highland avenue, 36 feet east of Fanning avenue.  
Highland avenue, corner of Willow avenue.  
Highland avenue, 6 feet west of Grove street.  
Highland avenue, 60 feet east of Davis square.  
Holland street, 42 feet west of Dover street.  
Holland street, 36 feet east of Winter street.  
Holland street, 105 feet west of Irving street.  
Holland street, 77 feet east of Elmwood street.  
Holland street, 117 feet west of Cameron avenue.  
Holland street, 80 feet east of Newbury street.  
Homer square, west side of square.  
Houghton street, 200 feet east of Springfield street.  
Hudson street, 292 feet east of Lowell street.  
Hudson street, 8 feet east of Porter street.  
Irving street, 6 feet south of Broadway.

Irving street, 300 feet south of Broadway.  
Irving street, 420 feet north of Holland street.  
James street, 100 feet north of Pearl street.  
Jaques street, 9 feet north of Grant street.  
Jaques street, 362 feet east of Temple street.  
Jaques street, 190 feet west of Temple street.  
Jaques street, 300 feet east of Bond street.  
Jay street, 90 feet north of Howard street.  
Joy street, 36 feet south of Washington street.  
Joy street, 440 feet south of Washington street.  
Joy street, 285 feet north of Poplar street.  
Jenny Lind avenue, 16 feet north of Vernon street.  
Jenny Lind avenue, 467 feet north of Vernon street.  
Jenny Lind avenue, corner of Vernon street.  
Kent court, 285 feet west of Kent street.  
Kingman court, 300 feet south of Washington street.  
Kingston street, 402 feet west of Meacham street.  
Knowlton street, opposite Morton street.  
Lake street, 205 feet west of Hawkins street.  
Lake street, corner of Carlton street.  
Laurel street, 300 feet south of Summer street.  
Laurel street, 8 feet north of Park place.  
Lawrence street, 9 feet south of Richardson street.  
Lincoln street, opposite Arlington street.  
Lincoln avenue, 224 feet west of Mt. Vernon street.  
Linden street, 33 feet north of Charlestown street.  
Linden street, 557 feet south of Somerville avenue.  
Linden avenue, 515 feet north of Elm street.  
Line street, 500 feet west of Cooney street.  
Linwood street, 416 feet south of Washington street.  
Linwood street, 225 feet north of Poplar street.  
Linwood street, 55 feet south of London street.  
Linwood street, corner of Linwood place.  
London street, 400 feet east of Linwood street.  
Loring street, 288 feet north of Somerville avenue.  
Lowell street, corner of Fiske avenue.  
Lowell street, 195 feet south of Richardson street.  
Lowell street, opposite Vernon street.

- Lowell street, 665 feet south of Summer street.  
Madison street, 480 feet west of School street.  
Main street, 116 feet west of Mt. Vernon avenue.  
Main street, corner of Moreland street.  
Mansfield street, 200 feet north of Somerville avenue.  
Mansfield street, 200 feet south of Washington street.  
Maple street, 220 feet east of Medford street.  
Maple street, 9 feet north of Poplar street.  
Marshall street, corner of Evergreen avenue.  
Marshall street, opposite Howe street.  
Marshall street, 200 feet south of Broadway.  
Malloy court, 16 feet south of Somerville avenue.  
Meacham street, corner of Orchard street.  
Meacham street, 50 feet south of Glover Circle.  
Meacham street, at Lowell Railroad fence line.  
Medford street, junction of Broadway.  
Medford street, 16 feet from corner of Central street.  
Medford street, 16 feet east of Sycamore street.  
Medford street, 46 feet east of Thurston street.  
Medford street, corner of School street.  
Medford street, junction of Pearl street.  
Medford street, 8 feet east of Greenville street.  
Medford street, 13 feet west of Prospect Hill avenue.  
Medford street, 34 feet south of Central square.  
Medford street, opposite Chester avenue.  
Medford street, 236 feet south of Washington street.  
Medford street, 78 feet north of Maple street.  
Medford street, 21 feet north of Somerville avenue.  
Medford street, 98 feet north of Fitchburg R. R.  
Medford street, 70 feet south of Fitchburg R. R.  
Medford street, 30 feet north of Ward street.  
Medford street, 91 feet south of Ward street.  
Medford street, 93 feet north of Warren street.  
Medford street, 17 feet south of Warren street.  
Medford street, 80 feet southeast of Grand Junction R. R.  
Merriam street, 42 feet north of Charlestown street.  
Melrose street, 600 feet north of Mystic avenue.  
Mondamin court, junction of Harrison street.

Montrose street, 417 feet west of School street.  
Moore street, 21 feet north of Mead street.  
Morrison street, 13 feet west of Newbern street.  
Morrison street, 195 feet west of Clifton street.  
Morrison street, 33 feet west of Grove street.  
Miner street, 142 feet north of Vernon street.  
Murdock street, 200 feet east of Cedar street.  
Mt. Vernon avenue, 200 feet north of Heath street.  
Mt. Vernon street, 9 feet north of Pearl street.  
Mt. Vernon street, corner of Broadway.  
Mt. Pleasant street, 276 feet south of Broadway.  
Myrtle street, 418 feet north of Washington street.  
Myrtle street, 82 feet south of Pearl street.  
Mystic avenue, corner of Union street.  
Mystic avenue, 200 feet north of North Union street.  
Mystic avenue, near Medford line.  
Nashua street, 215 feet south of Wilton street.  
Newbury street, 570 feet south of Holland street.  
Newbury street, 965 feet south of Holland street.  
Norfolk street, corner of Webster avenue.  
North street, 440 feet north of Raymond avenue.  
North street, 190 feet north of City Bound No. 19.  
North Union street, 300 feet north of Mystic avenue.  
Oak street, 390 feet west of Prospect street.  
Oakland avenue, 230 feet west of Marshall street.  
Oliver street, 183 feet east of Cross street.  
Oliver street, 15 feet east of Glen street.  
Orchard street, 9 feet west of Russell street.  
Orchard street, 9 feet east of Chester street.  
Otis street, 9 feet east of Dana street.  
Oxford street, 358 feet west of School street.  
Oxford street, 100 feet west of Hersey street.  
Park avenue, 90 feet west of Elm street.  
Park street, 69 feet north of Fitchburg R. R.  
Park street, 155 feet north of Beacon street.  
Partridge avenue, 26 feet north of Medford street.  
Partridge avenue, 126 feet south of Medford street.  
Partridge avenue, 450 feet south of Medford street.

- Partridge avenue, 290 feet north of Vernon street.  
Pearl street, corner of Pinckney street.  
Pearl street, 69 feet west of Hillside avenue.  
Pearl street, 18 feet east of Delaware street.  
Pearl street, 9 feet west of Glen street.  
Pearl street, 30 feet west of Dana street.  
Pearl street, corner of Wigglesworth street.  
Pearl street, corner of Walnut street.  
Pearl street, 120 feet east of Marshall street.  
Perkins street, opposite Myrtle street.  
Perkins street, opposite Lincoln street.  
Perkins street, 63 feet east of Perkins place.  
Perkins street, 21 feet east of Mt. Pleasant street.  
Pinckney street, 345 feet south of Pearl street.  
Pleasant avenue, 290 feet east of Vinal avenue.  
Prescott street, 326 feet south of Highland avenue.  
Prescott street, 582 feet south of Highland avenue.  
Prescott street, 257 feet north of Summer street.  
Preston street, 375 feet west of School street.  
Poplar street, 21 feet west of Joy street.  
Porter street, corner of Mountain avenue.  
Porter street, 24 feet north of Williams court.  
Professors' row, 140 feet west of College avenue.  
Professors' row, 300 feet west of College avenue.  
Professors' row, 580 feet west of College avenue.  
Professors' row, 188 feet east of Packard avenue.  
Professors' row, 305 feet west of Packard avenue.  
Prospect Hill avenue, 9 feet north of High street.  
Prospect street, 135 feet north of Bennet street.  
Prospect street, corner of Webster avenue.  
Prospect street, 210 feet south of Oak street.  
Putnam street, 116 feet south of Highland avenue,  
Putnam street, 425 feet south of Highland avenue.  
Putnam street, 608 feet north of Summer street.  
Putnam street, 308 feet north of Summer street.  
Quincy street, 315 feet south of Summer street.  
Quincy street, corner of Somerville avenue.  
Richardson street, 12 feet west of Henderson street.

Richdale avenue, opposite Thurston street.  
Robinson street, 333 feet west of Central street.  
Rogers' avenue, 300 feet north of Morrison avenue.  
Rossmore street, 260 feet south of Washington street.  
Rush street, 81 feet south of Pearl street.  
Sanborn avenue, 60 feet east of Walnut street.  
Sargent avenue, 36 feet north of Mills street.  
School street, 108 feet south of Maple avenue.  
School street, 8 feet south of Montrose street.  
School street, 88 feet north of Oxford street.  
School street, 88 feet north of Avon street.  
School street, 100 feet south of Summer street.  
School street, 93 feet south of Preston street.  
School street, 61 feet north of Knapp street.  
Sewall street, 324 feet west of Grant street.  
Somerville avenue, 181 feet west of Mossland street.  
Somerville avenue, 195 feet east of Beaconstreet bridge.  
Somerville avenue, 500 feet east of Beaconstreet bridge.  
Somerville avenue, 120 feet west of Elm street.  
Somerville avenue, 40 feet west of Lowell street.  
Somerville avenue, corner of Spring street.  
Somerville avenue, opposite Spring street.  
Somerville avenue, 15 feet west of Beech street.  
Somerville avenue, 9 feet east of Central street.  
Somerville avenue, 15 feet west of Laurel street.  
Somerville avenue, 100 feet west of Loring street.  
Somerville avenue, 113 feet east of Dane street.  
Somerville avenue, 185 feet west of Hawkins street.  
Somerville avenue, 88 feet west of Quincy street.  
Somerville avenue, 105 feet east of Carleton street.  
Somerville avenue, 400 feet west of Prospect street.  
Somerville avenue, 83 feet west of Prospect street.  
Somerville avenue, 30 feet west of Linden street.  
Somerville avenue, 12 feet east of Mystic street.  
Somerville avenue, 121 feet east of Medford street.  
Somerville avenue, 86 feet east of Poplar street.  
Somerville avenue, 490 feet west of Fitchburg R.R.  
Somerville avenue, 100 feet west of Fitchburg R.R.

- Somerville avenue, south side of Fitchburg R.R.  
Somerville avenue, 260 feet west of Franklin court.  
Somerville avenue, corner of Franklin court.  
Somerville avenue, 100 west of Cambridge line.  
Summer street, 160 feet east of Cutter avenue.  
Summer street, 6 feet east of Cherry street.  
Summer street, 6 feet east of Cedar street.  
Summer street, corner of Porter street.  
Summer street, corner of Lowell street.  
Summer street, corner of Spring street.  
Summer street, corner of Harvard street.  
Summer street, 54 feet east of Preston street.  
Summer street; 200 feet west of School street.  
Summer street, 8 feet east of School street.  
Summer street, opposite Putnam street (east line).  
Summer street, 6 feet west of Vinal avenue (west line).  
South street, 234 feet west of Medford street.  
South street, corner of Emery street.  
South street, corner of Earle street.  
Springfield street, 140 feet south of Concord avenue  
Springfield street, 21 feet south of Dickinson street.  
Springfield street, 120 feet north of Cambridge line.  
Summit avenue, 120 feet west of Walnut street.  
Sunnyside avenue, 105 feet west of Wigglesworth street.  
Sycamore street, 18 feet south of Broadway.  
Sycamore street, 360 feet south of Broadway.  
Sycamore street, corner of Forster street.  
Sycamore street, 213 feet north of Medford street.  
Stickney avenue, 212 feet west of Marshall street.  
Sydney street, 412 feet east of Temple street.  
Talbot avenue, corner of Packard avenue.  
Temple street, 53 feet north of Jaques street.  
Tenney court, 318 feet north of Mystic avenue.  
Thurston street, 6 feet north of Evergreen avenue.  
Tremont street, corner of Webster avenue.  
Trull street, 264 feet north of Vernon street.  
Tufts street, 75 feet north of Washington street.  
Tufts street, 48 feet west of Glen street.



Tufts street, 54 feet east of Cross street.  
Thorndike street, 10 feet south of Boston & Lowell R. R.  
Thorpe place, 280 feet south of Highland avenue.  
Tyler street, 50 feet east of Vine street.  
Union Square, corner of Washington street.  
Union Square, west side of square.  
Vernon street, 75 feet west of Partridge avenue.  
Vinal avenue, 129 feet north of Aldersey street.  
Vinal avenue, 219 feet north of Summer street.  
Vinal avenue, corner of Highland avenue.  
Vine street, 180 feet north of Beacon street.  
Virginia street, 45 feet west of Aldrich street.  
Wallace street, 40 feet south of Broadway.  
Wallace street, 480 feet south of Broadway.  
Wallace street, 175 feet north of Park avenue.  
Walnut street, 38 feet south of Veazie street.  
Walnut street, 92 feet south of Wellington avenue.  
Walnut street, 36 feet north of Pleasant avenue.  
Walnut street, 12 feet south of Boston street.  
Ward street, 84 feet west of Medford street.  
Ward street, corner of Emery street.  
Ware street, 258 feet west of Curtis street.  
Warren avenue, corner of Sanborn avenue (north side).  
Warren avenue, 75 feet south of Columbus avenue.  
Warren avenue, 175 feet north of Bow street.  
Warwick street, 420 feet east of Cedar street.  
Washington street, 69 feet west of Crescent street.  
Washington street, corner of Mt. Vernon street.  
Washington street, corner of Florence street.  
Washington street, corner of Myrtle street.  
Washington street, 15 feet west of Myrtle street.  
Washington street, 20 feet east of Franklin avenue.  
Washington street, 50 feet east of Shawmut street.  
Washington street, 100 feet east of Rossmore street.  
Washington street, 84 feet east of Boston street.  
Washington street, 75 feet west of Mystic street.  
Washington street, corner of Clark place (west side).  
Washington street, opposite Union square.

Washington street, 6 feet east of Kingman court.  
 Washington street, 96 feet west of Parker street.  
 Washington street, 9 feet east of Leland street.  
 Washington street, 186 feet west of Dane street.  
 Washington street, 45 feet east of Beacon street.  
 Webster avenue, 96 feet south of Union square.  
 Webster avenue, 12 feet south of Everett street.  
 Webster avenue, 25 feet north of Newton street.  
 Webster avenue, 63 feet north of Prospect street.  
 Webster avenue, 275 feet south of Prospect street.  
 Webster street, 12 feet east of Rush street.  
 Webster street, 12 feet west of Cutter street.  
 Wellington avenue, west of Montgomery avenue.  
 Wheatland street, 135 feet north of Broadway.  
 Wheatland street, 9 feet south of Jaques street.  
 Wheatland street, 100 feet south of Mystic avenue.  
 Wigglesworth street, corner of Otis street.  
 Willow avenue, 12 feet north of Summer street.  
 Willow avenue, 250 feet north of Highland avenue.  
 Willow avenue, 66 feet south of Morrison street.  
 West street, corner of Highland avenue.  
 Wilton street, 6 feet east of Nashua street.  
 Wilton street, 12 feet east of Lawrence street.  
 Winslow avenue, 66 feet east of Villa avenue.  
 Wyatt street, 42 feet west of Cook street.  
 Winter Hill Circle, 200 feet north of Broadway.  
 West street, 144 feet north of Highland avenue.

## PRIVATE HYDRANTS.

John P. Squire . . . . .	7
North Packing Co. . . . .	2
McLean Asylum . . . . .	4
Middlesex Bleachery . . . . .	3
American Tube Works . . . . .	2
Union Glass Works . . . . .	1
Fitchburg R. R. . . . .	1
New England Dressed Meat and Wool Company . . . . .	6

## GATES.

The following gates were set and abandoned during the year.

	DIAMETER OF MAIN.	ABANDONED.	SET.
	4"	19	11
	6"	8	30
	8"	1	15
	10"	none	6
	12"	"	7
	16"	"	2
	20"	"	1
Total .		28	72

Total number of gates in the city, 754; all of which are in good condition, having been oiled and repacked.

## BLOW OFFS.

One blow off has been set on Hillside Avenue, and one on Broadway Place.

I would recommend that a number of gates, formerly used on cement pipe, be placed on dead ends to be used as blow offs. An occasional opening of these blow offs will then afford as pure water as that taken from a circulating pipe.

## STAND PIPES.

Three new stand pipes were set the past year making a total now in the city of thirty-six.

Seven new boxes have been set in place of old decayed ones, five have had new valves, eighteen have had new hose, and all have had general repairs.

## STAND-PIPE LOCATIONS.

- One on Beacon street, opposite Cooney street.
- One on Beacon street, near Sacramento street.
- One on Broadway, near corner Franklin street.
- One on Broadway, opposite Broadway Park.
- One on Broadway, corner of Clarendon avenue.
- One on Concord avenue, corner of Marion street.
- One on Elm street, near Broadway.
- One on Elm street, near Morrison street.
- One on Highland avenue, corner of Medford street.
- One on Highland avenue, corner of Central street.
- One on Highland avenue, near Willow avenue.
- One on Linwood street, near Poplar.
- One on Main street, near Broadway.
- One on Medford street, corner of Lee street.
- One on Medford street, near Magoun square.
- One on Mystic avenue, corner of Union street.
- One on Pearl street, corner of Walnut street.
- One on Pearl street, near Delaware street.
- One on Pickney street, corner of Pearl street.
- One on Putnam street, corner of Summer street.
- One on Somerville avenue, near Cambridge line.
- One on Somerville avenue, near Poplar street.
- One on Somerville avenue, corner of Mystic street.
- One on Somerville avenue, near School street.
- One on Somerville avenue, corner of Beacon street.
- One on Spring street, near Somerville avenue.
- One on Summer street, opposite Laurel street.
- One on Summer street, corner of Elm street.
- One on Tufts street, corner of Cross street.
- One on Vinal avenue, near Highland avenue.
- One on Washington street, corner of Myrtle street.
- One on Washington street, corner of Boston street.
- One on Washington street, near Union square.
- One on Washington street, opposite Leland street.
- One on Summer street, corner of Cedar street.
- One on Putnam street, corner of Summer street.

## DRINKING FOUNTAINS.

One new drinking fountain was set, located in Gilman Square.

The total number in the city is eight. The fountains have had the usual repairs, new dippers, chains, faucets and stop-cocks, and are in good condition, and are located as follows :

One on Broadway, opposite Broadway Park ; two in Davis Square ; one on Highland Avenue, corner Walnut Street ; one in Magoun Square (north side) ; one junction Union Square and Bow Street ; one junction Somerville Avenue and Washington Street, and one in Gilman Square.

## WROUGHT IRON CEMENT PIPE NOW IN USE.

TABLE SHOWING THE LOCATION, DIAMETER, LENGTH, AND THE YEAR IN WHICH IT WAS LAID.

STREET.	FROM.	TO.	YEAR LAID.	DIAMETER IN INCHES.	LENGTH IN FEET.
Adams Street .	Medford St. .	Northeasterly .	1875	6	399
Adrian Street .	Marion St. .	Easterly . . .	1874	6	136
Albion Street .	Central St. .	Northwesterly	1884	6	1143.5
Allen Street . .	Somerville Ave.	Southerly . . .	1872	4	668.4
Allston Street .	Shawmut Pl.	Cross St. . . .	1874	4	572
Arlington Street	Franklin St. .	Lincoln St. . .	1872	4	489.4
Ashland Street .	Sartwell Ave. .	Summer St. . .	1872	3	488.5
Auburn Avenue	Cross St. . . .	Northwesterly	1872	4	504.6
			1882	4	70
Austin Street .	Broadway . . .	Northeasterly .	1881	4	292
			1872	6	376.2
			1883	6	310
			1872		
Autumn Street .	Broadway . . .	Bonair St. . . .	1874	3	467
Avon Street . . .	School St. . . .	Northwesterly	1872	4	633
Bartlett Street .	Washington . .	Southerly . . .	1872	3	230
Beacon Place . .	Beacon St. . .	Southwesterly	1874	4	228
Beacon Street . .	Washington St.	Cambridge line	1872	6	1900
Beech Street . .	Somerville Ave.	Spring St. . . .	1872	4	805
Belmont Street .	Somerville Ave.	Summer St. . .	1872	4	1272.6
Benedict Street	Austin St. . . .	Southeasterly	1872	4	380
Berkeley Street	School St. . . .	Northwesterly	1872	6	663
Bonair Street . .	Cross St. . . .	Walnut St. . . .	1872	4	1534.1
Boston Street .	Prospect Hill Ave. . . . .	Bigelow St. . .	1876	3	670
Bow St. Place . .	Bow St. . . . .	Northerly . . .	1876	3	300
Broadway . . . .	Central St. . .	Boston Line . .	1872	8	6600
Broadway . . . .	Cross St. . . .	Easterly . . . .	1876	6	230
Broadway . . . .	Willow Bridge	Cedar St. . . .	1876	6	600
				2	145
Broadway Place	Broadway . . .	Southerly . . .	1876	3	70
Brook Street . .	Glen St. . . . .	Cross St. . . .	1872	4	547
Cambria Street	Central St. . .	Northwesterly .	1884	4	385
			1872		
Cameron Ave. . .	Holland St. . .	Cambridge Line	1874	6	1077.2
Central Street' .	Somerville Ave.	Medford St. . .	1872	12	3704.6
			1872	6	
Chauncey Ave. . .	Broadway . . .	Mystic Ave. . .	1883	6	1308
Cherry Street . .	Elm St. . . . .	Northeasterly	1872	4	1379.7
Chester Ave. . .	Cross St. . . .	Highland Ave.	1872	4	722.4
Church Street . .	Somerville Ave.	Summer St. . .	1872	4	691
Claremon St. . .	Holland St. . .	Mead St. . . . .	1872	4	588
Clarendon Ave.	Broadway . . .	Southwesterly	1874	6	322

## WROUGHT IRON CEMENT PIPE NOW IN USE.

TABLE SHOWING THE LOCATION, DIAMETER, ETC.—*Continued.*

STREET.	FROM.	TO.	YEAR LAID.	DIAMETER IN INCHES.	LENGTH IN FEET.
Clark St. . .	Newton St. . .	Northwesterly	1872	6	400
Clyde St. . .	Cedar St. . .	Murdock St. . .	1873	4	818
Concord Ave. . .	Webster Ave.	Beacon St. . .	1872	6	2060
Conwell Ave. . .	Curtis St. . .	Northwesterly	1873	4	527
Cooney St. . .	Beacon St. . .	Line St. . .	1872	4	297
Craigie St. . .	Somerville Ave.	Summer St. . .	1872	4	1333
Crescent St. . .	Washington St.	Pearl St. . .	1875	4	530
Cross St. . .	Broadway . . .	Tufts St. . .	1872	6	787.1
Cross St. . .	Broadway . . .	Tufts St. . .	1874	4	300
Cross St. . .	Broadway . . .	Tufts St. . .	1881	6	484
Cross St. . .	Broadway . . .	Tufts St. . .	1882	6	617.5
Curtis St. . .	Broadway . . .	Medford Line .	1872	6	2410
Cutter St. . .	Broadway . . .	Webster St. . .	1872	4	772.6
Cutter Ave. . .	Summer St. . .	Southwesterly	1874	4	443
Dana St. . .	Everett Ave. . .	Bonair St. . .	1872 1874	4	450.1
Dane Court . .	Dane St. . .	Easterly . . .	1874	4	574
Dartmouth St. .	Broadway . . .	Evergreen Ave.	1883	6	956
Durham St. . .	Beacon St. . .	Hanson St. . .	1876	6	468
Eastman Pl. . .	Highland Ave.	Southwesterly	1875	4	353
Elm St. . .	Somerville Ave.	Willow Ave. . .	1872	6	2500
Elmwood St. . .	Holland St. . .	Southwesterly	1872	4	500
Evergreen Ave.	Marshall St. . .	Dartmouth St.	1872 1884	4 6	492 289
Fairlee St. . .	Cherry St. . .	Northwesterly	1872	3	139
Fairmount Ave.	Curtis St. . .	Northwesterly	1883	4	632.5
Flint St. . .	Cross St. . .	Franklin St. . .	1872	6	1092.5
Florence St. . .	Perkins St. . .	Pearl St. . .	1872	4	453
Florence St. . .	Washington St.	Northeasterly	1872	6	482.2
Fountain Ave. .	Cross St. . .	Southeasterly	1872	4	352
Franklin St. . .	Pearl St. . .	Broadway . . .	1872	6	1311.2
George St. . .	Broadway . . .	Lincoln Ave. . .	1872	3	297
Gilman St. . .	Walnut St. . .	Southeasterly	1874	6	703
Gilman St. . .	Cross St. . .	Northwesterly	1874	4	768.4
Glen St. . .	Broadway . . .	Webster St. . .	1872	6	790.4
Glen St. . .	Webster St. . .	Pearl St. . .	1872	4	280
Glen St. . .	Flint St. . .	Pearl St. . .	1872	4	405
Grove St. . .	Elm St. . .	Highland Ave.	1873	4	447
Hadley Court . .	Franklin St. . .	Northwesterly	1874 1874	4 3	35 110
Hall St. . .	Cedar St. . .	Northwesterly	1873	4	348.5
Hanson St. . .	Washington St.	Vine St. . .	1872	4	545
Harvard St. . .	Beech St. . .	Summer St. . .	1872	6	736.1
Harvard Pl. . .	Harvard St. . .	Dead End . . .	1872	3	100

## WROUGHT IRON CEMENT PIPE NOW IN USE.

TABLE SHOWING THE LOCATION, DIAMETER, ETC.—*Continued.*

STREET.	FROM.	TO.	YEAR LAID.	DIAMETER IN INCHES.	LENGTH IN FEET.
Hathorn St. . .	Broadway . .	Arlington St. . .	1880	6	376
Heath St. . . .	Temple St. . .	Moreland St. . .	1872	3	1866.5
Highland Ave.	Walnut St. . .	Central St. . . .	1872	8	3305.7
Highland Ave.	Elm St. . . .	Grove St. . . .	1872	10	620
Hinckley St. . .	Broadway . . .	Southwesterly	1873	6	368
Holland St. . . .	Broadway . . .	Davis Square . .	1872	10	2850
Homer Square . .	Bonner Ave. . .	Northwesterly	1872	4	214
Houghton St. . .	Springfield St.	Southeasterly	1873	4	230
Howe St. . . . .	Marshall St. . .	School St. . . .	1873	4	489
Hudson St. . . .	Cedar St. . . .	Southeasterly	1883	4	630
Irving St. . . .	Holland St. . .	Broadway . . . .	1873	6	1251
Jenny Lind Ave	Medford St. . .	Vernon St. . . .	1872	4	946.3
Kent Ct. . . . .	Kent St. . . . .	Northwesterly	1874	4	283
Kent St. . . . .	Beacon St. . . .	Kent Ct. . . . .	1874	6 3	371 104
Leon St. . . . .	Concord Ave . .	Southeasterly	1876	4	14
Lincoln Ave. . .	Lincoln St. . .	Mt. Vernon Ave	1872	4	500
Lincoln St. . . .	Broadway . . .	Perkins St. . . .	1878	8	618
Linden Ave. . . .	Elm St. . . . .	Summer St. . . .	1872	6	1130
Line St. . . . .	Washington St.	Cooney St. . . .	1873	4	1116
Loring St. . . .	Somerville Ave	Northeasterly	1877 1881	6 6	312 105
Lowell St. . . .	Summer St. . .	Brastow Ave. . .	1872	6	237
Lowell St. . . .	Medford St. . .	Vernon St. . . .	1883	6	1164.8
Lowell St. . . .	Summer St. . .	Southerly . . . .	1885	6	250
Madison St. . . .	School St. . . .	Northwesterly	1883	6	460.5
Main St. . . . .	Broadway . . .	Moreland St. . .	1876	6	640
Maple Ave. . . .	School St. . . .	Southeasterly	1872	3	333
Marion St. . . .	Concord Ave. . .	Adrian St. . . .	1874	6	265
Marshall St. . .	Broadway . . .	Pearl St. . . . .	1872	6	1669
Mead St. . . . .	Claremon St. . .	Moore St. . . . .	1872	4	252
Medford St. . . .	Broadway . . .	Central St. . . .	1872	12	2182
Medford St. . . .	Central St. . . .	Southeasterly	1872	6	921.8
Medford St. . . .	School St. . . .	Northwesterly	1872	6	203
Miller St. . . . .	Sacramento St.	Northwesterly	1876	4	145
Mills St. . . . .	Walnut St. . . .	Sargent Ave. . .	1872	4	551.6
Montrose St. . .	School St. . . .	Northwesterly	1875	6	885
Moore St. . . . .	Holland St. . .	Southwesterly	1873	4	216
Moore St. . . . .	Mead St. . . . .	Northeasterly	1876	4	65
Moreland St. . .	Main St. . . . .	Heath St. . . . .	1876	6	190
Mortimer Pl. . .	Marshall St. . .	Sargent Ave. . .	1872	4	180
Mossland St. . .	Elm St. . . . .	Southwesterly .	1872	4	457.7
Mt. Pleasant St.	Broadway. . . .	Perkins St. . . .	1879	6	630
Mt. Vernon St.	Perkins St. . . .	Broadway. . . .	1881	6	588
Mt. Vernon St.	Perkins St. . . .	Washington St.	1872	6	1155.4



## WROUGHT IRON CEMENT PIPE NOW IN USE.

TABLE SHOWING THE LOCATION, DIAMETER, ETC.—*Continued.*

STREET.	FROM.	TO.	YEAR LAID.	DIAMETER IN INCHES.	LENGTH IN FEET.
Munroe St. . .	Walnut St. . .	Bigelow St. . .	1872	6	389.2
Munroe St. . .	Walnut St. . .	Bigelow St. . .	1874	6	153
Munroe St. . .	Walnut St. . .	Bigelow St. . .	1876	6	63
Murdock St. . .	Cedar St. . .	Clyde St. . .	1873	6	671.5
Myrtle St. . .	Pearl St. . .	Perkins St. . .	1877	8	458
Mystic Ave. . .	Union St. . .	Southeasterly . .	1872	4	310.7
Mystic Ave. . .	Union St. . .	Northwesterly . .	1872	6	140
Mystic Ave. . .	Temple St. . .	Northwesterly . .	1872	6	2012.2
Mystic St. . .	Benedict St. . .	Northerly. . .	1883	4	175
Nevada Ave. . .	Village St. . .	Hanson St. . .	1872	3	256.5
Newbury St. . .	Holland St. . .	Southwesterly . .	1873	6	1283
Newton St. . .	Webster Ave. . .	Concord Ave. . .	1872	4	728.5
Oakland Ave. . .	Marshall St. . .	School St. . .	1879	6	433
Orchard St. . .	Chester St. . .	Russell St. . .	1872	4	570
Oliver St. . .	Glen St. . .	Franklin St. . .	1872	4	540
Otis St. . .	Cross St. . .	Dana St. . .	1872	4	883
Otis St. . .	Dana St. . .	Wigglesworth St .	1875	4	363
Oxford St. . .	School St. . .	Hersey St. . .	1872	4	653
Packard Ave. . .	Reservoir . . .	Broadway. . .	1874	12	2596
Park Ave. . .	Elm St. . .	Wallace St. . .	1872	4	529
Pearl St. . .	Florence St. . .	Crescent St. . .	1872	6	900
Pembroke St. . .	Central St. . .	Southeasterly . .	1874	4	317
Perkins St. . .	Florence St. . .	Mt. Pleasant St. .	1872	6	800
Park St. . .	Somerville Ave. .	Beacon St. . .	1872	4	1316.9
Pinckney St. . .	Washington St. .	Perkins St. . .	1872	6	1245.2
Pitman St. . .	Beech St. . .	Spring St. . .	1874	4	426
Professors' Row	Packard Ave. . .	Curtis St. . .	1874	6	944
Prospect Pl. . .	E. Newton St. . .	Prospect St. . .	1888	4	141
Quincy St. . .	Somerville Ave . .	Summer St. . .	1875	4	832
Rush St. . .	Broadway. . .	Flint St. . .	1872	4	1150.5
Sacramento St. .	Somerville Ave. .	Beacon St. . .	1872	6	556
Sargent Ave. . .	Broadway. . .	Mills St. . .	1872	4	580
Sartwell Ave. . .	Cedar St. . .	Ashland St. . .	1872	3	190
School St. . .	Medford St. . .	Evergreen Ave. . .	1872	6	921.5
School St. . .	Montrose St. . .	Highland Ave. . .	1875	6	480
Shawmut Pl. . .	Shawmut St. . .	Alston St. . .	1873	4	214
Shawmut St. . .	Washington St. .	Medford St. . .	1876	4	641
Skehan St. . .	Dane St. . .	Hanson St. . .	1872	4	337
Smith Ave. . .	Beacon St. . .	Line St. . .	1874	3	266
Somerville Ave. .	Elm St. . .	Central St. . .	1872	6	1900
Spring St. . .	Somerville Ave. .	Summer St. . .	1872	4	1311.6
Summer St. . .	Cherry St. . .	Preston St. . .	1872	6	4063.3
Summer St. . .	Cutter Ave. . .	Willow Ave. . .	1874	6	1017
Temple St. . .	Broadway. . .	Jaques St. . .	1872	8	730
Tennyson St. . .	Medford St. . .	Pembroke St. . .	1883	4	277
Thurston St. . .	Medford St. . .	Broadway. . .	1872	6	1444
Tufts St. . .	Washington St. .	Cross St. . .	1872	6	1034.5

## WROUGHT IRON CEMENT PIPE NOW IN USE.

TABLE SHOWING THE LOCATION, DIAMETER, ETC.—*Concluded.*

STREET.	FROM.	To	YEAR LAID.	DIAMETER IN INCHES.	LENGTH IN FEET.
Union St. . .	Broadway . .	Mystic Ave. .	1872	6	460.5
Veazie St. . .	Walnut St. . .	Northeasterly .	1872	6	223.5
Vernon St. . .	Central St. . .	Jenny Lind Ave.	1872	4	813
Villa Ave. . .	Winslow Ave.	Southwesterly .	1874	3	256
Village St. . .	Dane St. . . .	Vine St. . . .	1872	4	422
Vine St. . . .	Beacon St. . .	Village St. . .	1872	6	670.5
Wallace St. . .	Holland St. . .	Broadway. . . .	1872	6	1340
Walnut St. . .	Broadway. . .	Sunnyside Ave.	1872	6	650
Washington Ave.	Washington St.	Northerly. . . .	1872	3	363
Washington St.	Parker St. . . .	Beacon St. . . .	1872	6	1646
Waverly St. . .	Washington St.	Southeasterly .	1872	3	210
Webster Ave. . .	Newton St. . .	Southeasterly .	1872	6	684
Webster St. . .	Franklin St. .	Glen St. . . . .	1881	6	616
Webster St. . .	Glen St. . . .	Cross St. . . . .	1872	6	532.5
Wigglesworth St	Bonair St. . . .	Otis St. . . . .	1872	4	207.5
Williams Ct. . .	Porter St. . . .	Northwesterly.	1875	3	157
Willow Ave. . .	Highland Ave.	Appleton St. . .	1873	6	933
Winslow Ave. . .	Elm St. . . . .	Villa Ave. . . .	1872	4	318
Winter St. . . .	Elm St. . . . .	Holland St. . . .	1872	4	461.4

## TOTAL OF ALL SIZES.

	SIZE.	LENGTH IN FEET.
	2''	145
	3''	6873.5
	4''	44,226
	6''	74,224.2
	8''	11,711.7
	10''	3470
	12''	8482.6
Total . . . .		149,133

Table showing the length of street and number of apartments in Somerville, supplied with water from the Cambridge Water Works.

STREET.	LENGTH IN FEET.	APARTMENTS SUPPLIED.
Bedford Street . . . . .	170	14
Beech Avenue . . . . .	260	6
Bolton Street . . . . .	500	16
Columbia Street . . . . .	500	46
Conlon Court . . . . .	100	8
Earle Street . . . . .	250	5
Harding Street . . . . .	115	3
Houghton Street . . . . .	545	34
Hunting Street . . . . .	130	9
Norfolk Street . . . . .	320	29
Oak Street . . . . .	1212	71
Prospect Street . . . . .	1000	73
South Street . . . . .	460	13
Tremont Street . . . . .	600	41
Warren Street . . . . .	120	4
Water Street . . . . .	350	4
Webster Avenue . . . . .	704	44
Willow Place . . . . .	130	10
Total . . . . .	7466	430

Estimated cost of laying Somerville pipes in those streets, \$8,000

Estimated annual water rates that would be collected . . . 5,000

## STOCK ON HAND JANUARY 1, 1894.

Cast Iron Pipe . . . . .	value \$11,796.99
Special Castings . . . . .	2,021.94
Gates . . . . .	315.00
Hydrants . . . . .	162.00
Plugs . . . . .	83.25
Jute Packing . . . . .	31.86
	<hr/>
	\$14,411.04
Service Material . . . . .	784.15
Sundry Material . . . . .	410.00

NATHANIEL DENNETT,

*Superintendent of Water Works.*

## ENGINEER OF THE PUMPING STATION'S REPORT.

HIGH SERVICE PUMPING STATION, }  
SOMERVILLE, Dec. 31, 1893. }

*To the Somerville Mystic Water Board:—*

GENTLEMEN,—The fourth annual report of the work performed by the High Service pump is as follows:—

Number of days on which the pump was run	365
Total pumping time, in hours	1,825
Average pumping time per day, in hours	5
Average number of revolutions per minute	28 $\frac{32}{106}$
Number of tons of coal consumed	260
Total gallons of water pumped	150,281,040
Average steam pressure	50 lbs
Average back water pressure	36 lbs

My report of 1892 contained a schedule of all the furniture, tools, and appliances at the pumping station. There have been no additions required during the year.

The pump is in an excellent condition, and no breaks or accidents of any kind have occurred.

The new boiler, which has been in use since November 7, is perfectly satisfactory, and with the new ten-ton Howe scales, helps materially to make a perfect plant.

For four years now, lacking three months, the pump at the station has been in continual use without a break. It has worked all right so far, but there is a possibility, of course, that its operation might be interrupted at any time. Inasmuch as the High Service system is now a necessity, and an interruption of the service would cause great inconvenience, it may not be presumptuous for me to suggest the advisability of putting in a second pump for alternate use.

In closing my report, I desire to express my appreciation of the helpful interest in the work of the pumping station shown by the members of the Water Board and of the superintendent.

Respectfully submitted,

SIDNEY E. HAYDEN, *Engineer.*



REPORT  
OF THE  
BOARD OF HEALTH.

## CITY OF SOMERVILLE.

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IN BOARD OF ALDERMEN, January 24, 1894.

Referred to the committee on printing, to be printed in the annual reports. Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

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IN COMMON COUNCIL, January 25, 1894.

Concurred in.

WILLIAM P. MITCHELL, *Clerk pro tem.*



## CITY OF SOMERVILLE.

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OFFICE OF THE BOARD OF HEALTH, }  
CITY HALL, January 1, 1894. }

*To his honor the Mayor and the City Council:—*

GENTLEMEN,—We respectfully submit the following as the sixteenth 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, 1893.

Mr. J. Frank Wellington, who served as a member of this Board for several years, being its chairman during the year 1892, and whose term expired, declined a re-appointment.

Mr. Charles H. Crane also resigned, he being unable to attend to the business of the Board, as he had been elected a member of the Legislature. January 25, Thomas M. Durell, M. D., was appointed a member of the Board for two years; and March 8, Alvano T. Nickerson was appointed to fill the vacancy caused by the resignation of Mr. Crane.

### ORGANIZATION.

Chairman, Dr. Thomas M. Durell.

Clerk, William P. Mitchell.

Agent, Cabel A. Page.

### NUISANCES.

A record of nuisances abated during the year, in compliance with notices issued by the Board, or under the Board's direction, is presented in the following table, under the heads of the months when the complaints were made:—

## NUISANCES ABATED IN THE YEAR 1893.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Cellar damp . . . . .	2	..	1	11	1	..	1	1	..	..	1	1	19
Cesspool offensive . . . . .	3	..	1	..	1	..	..	1	..	..	1	..	7
Cesspool overflowing . . . . .	2	..	..	4	1	..	..	1	..	..	1	..	9
Connections of drainage pipes defective . . . . .	3	..	5	2	..	..	1	..	1	..	2	..	14
Decomposed meat offensive . . . . .	..	..	..	..	..	1	..	..	..	..	..	..	1
Dogs kept in kitchen . . . . .	..	..	2	..	..	..	..	..	..	..	..	..	2
Dog house offensive . . . . .	..	..	..	..	..	..	..	..	1	..	..	..	1
Drainage defective . . . . .	4	1	4	3	..	1	..	..	1	..	1	..	15
Drainage emptying into cellar . . . . .	..	1	..	1	..	1	..	..	..	1	1	..	5
Drainage emptying on surface . . . . .	3	..	3	..	..	1	..	..	..	1	..	..	8
Drainage not ventilated . . . . .	..	..	..	..	..	..	1	..	..	..	..	..	1
Drain-pipe defective . . . . .	..	..	..	..	..	..	..	..	..	2	..	..	2
Hennerly offensive . . . . .	..	..	..	1	1	1	1	..	1	1	..	..	6
Hens kept in cellar . . . . .	1	1	..	1	1	..	..	..	..	2	..	..	6
Horses kept in cellar . . . . .	..	1	..	..	..	..	..	..	..	1	..	..	1
Manure exposed and offensive . . . . .	1	..	1	13	..	2	1	..	2	1	..	..	21
Manure-pit defective . . . . .	1	..	..	1	1	1	..	..	..	..	..	..	5
Manure-pit too close to house . . . . .	1	..	1	..	..	..	..	..	..	..	..	..	2
Offal on land . . . . .	1	..	..	1	..	..	..	..	..	..	..	..	2
Offensive odor in and about dwellings . . . . .	2	1	7	3	2	1	..	1	1	..	..	..	18
Opening in drain-pipe in cellar . . . . .	..	..	..	..	..	..	1	..	..	..	..	..	1
Pigs kept without license . . . . .	1	..	..	1	..	..	..	2	..	..	..	..	4
Premises filthy . . . . .	2	1	4	14	4	1	1	..	..	..	..	..	27
Premises untidy . . . . .	5	..	1	30	4	..	3	..	..	..	..	..	43
Privy-vault defective . . . . .	37	1	3	..	..	2	2	..	1	1	..	..	47
Privy-vault full . . . . .	78	1	8	8	7	3	7	6	2	2	2	..	124
Privy-vault offensive . . . . .	85	5	6	13	12	19	19	11	2	2	2	..	176
Rubbish in cellar . . . . .	1	..	..	2	..	2	..	..	..	..	..	..	5
Sewage flowing under floor . . . . .	1	..	2	1	..	..	..	..	..	..	..	..	4
Sewer-gas in house . . . . .	2	1	1	3	..	..	..	..	1	1	1	..	10
Slops thrown on surface . . . . .	..	..	..	..	..	1	..	..	1	1	..	..	3
Stable infected with glanders . . . . .	1	6	2	1	3	..	..	..	..	..	1	..	14
Stable and stable premises filthy and offensive . . . . .	1	..	1	2	..	3	2	2	..	..	..	..	11
Stable without drainage . . . . .	3	..	1	..	2	..	2	..	..	..	..	..	8
Stagnant water on surface . . . . .	1	..	..	3	6	1	..	..	..	..	..	..	11
Ventilation under window offensive . . . . .	..	..	..	1	..	..	..	..	..	..	..	..	1
Waste-pipe defective . . . . .	..	..	1	4	1	1	2	..	..	1	..	1	11
Waste-pipe not trapped . . . . .	3	..	3	1	..	1	..	..	..	..	1	..	9
Water-closet defective . . . . .	1	3	3	8	1	1	..	..	1	..	1	1	20
Water-closet insufficiently supplied with water . . . . .	1	..	1	2	3	..	3	..	1	1	..	2	14
Water-closet offensive . . . . .	3	3	1	3	..	1	1	..	..	..	..	1	13
Water in cellar . . . . .	..	..	2	2	1	..	..	..	..	..	..	..	5
Total . . . . .	250	26	65	140	52	45	48	25	16	18	15	6	706

Number of nuisances abated . . . . .	706
Number of nuisances referred to Board of 1894 . . . . .	288.
Number of nuisances complained of . . . . .	994
Number of complaints (many covering more than one nuisance) . . . . .	515
Number of notices mailed . . . . .	502
Number of notices served by constables . . . . .	8

In addition to the above, many nuisances have been abated on verbal notice from the Agent, without action by the Board, and of which no record has been made.

*Glanders.*—Fourteen cases of glanders have occurred during the year. Prompt action was taken in every case, and the horses have been killed. We renew our request of previous years, that owners of horses notify the Board or its Agent, at once, on the appearance of this disease. In March last the Board sent a communication to the Committee on Highways requesting that the watering troughs be cleaned out occasionally, in order to prevent the spread of this disease.

*Sewer Outlet, Mystic Avenue.*—In the reports of this Board for the years 1891 and 1892, the bad condition of this sewer outlet was mentioned. It is still in a very offensive state. The drainage of a portion of Winter Hill empties on the northeasterly side of Mystic avenue into an open ditch, which crosses the marshes to a culvert under Middlesex avenue, and thence to the Mystic river. The filth collects at times in this ditch, and causes a nuisance which should receive attention from the Board of Aldermen.

*Sewers at Clarendon Hill, West Somerville.*—We also renew our request of last year for sewerage in Jay, Elmwood, and Gorham Streets and Cameron Avenue. The sewage of this district was formerly conveyed in an open ditch from a point about two hundred feet east of Elmwood Street to the Cambridge Line. During the past year this Board has caused to be laid a 15-inch Akron pipe drain, from the easterly line of Elmwood Street to the westerly line of Cameron Avenue. This only affords temporary relief, and we still urge the necessity of proper drainage in this district.

## PERMITS.

The record of permits to keep cows, swine, and goats, to collect grease, and to remove manure, is as follows:—

*Cows.*—Three applications were received for permits to keep eighteen cows. No fees are required for these permits.

*Swine.*—Thirty-five applications were received for permits to keep two hundred and six swine. Thirty-four permits were granted to keep two hundred and five swine, and one permit was refused. The fee is one dollar for each swine.

*Goats.*—Fifteen applications were received for permits to keep fifteen goats, all of which were granted. Fee for each goat, one dollar.

*Grease.*—Four applications were received for permits to collect grease, all of which were granted. The fee is two dollars. Three of the parties licensed reside in Somerville, and one in Charlestown.

*Manure.*—One permit was issued during the year for the carting of manure through the streets of the city, in the day time, between May 1 and November 1, and eight were issued for the removal of manure from stables in the city in the day time within the same period. No fee is charged for these permits.

## PEDLERS.

One hundred and fourteen certificates of registration were issued to hawkers and pedlers during the year;—an increase of twelve over the year 1892. These certificates are issued under Ordinance number thirty of the Revised Ordinances of 1891, and are good for an indefinite period. All pedlers are required to present their vehicles for inspection by the agent of the Board at the Police Station, the first Monday of each month, so that he may see that they are kept in a clean condition and are properly marked with the owner's name and number.

## ASHES.

The ashes and house-dirt were removed, during the year ending July 1, by Jeremiah McCarty, for the sum of forty-five hundred dollars; and from that date to December 31 they were removed by William J. McCarty, for four hundred and seventy-five dollars per month. The collections are made weekly, as follows:

Monday,	.	.	.	.	in district one.
Tuesday,	.	.	.	.	“ two.
Wednesday,	.	.	.	.	“ three.
Thursday.	.	.	.	.	“ four.
Friday,	.	.	.	.	“ five.
Saturday,	.	.	.	.	“ six.

Materials for removal must be free from filth and offal, must be placed in barrels or boxes, and must be set on the outer edge of the sidewalk before eight o'clock in the morning of the day when the collection is to be made.

The districts were established by the Board of Health of 1890, and are bounded as follows:—

**DISTRICT 1.**—Beginning at the Boston line, and bounded by the northeasterly line of Pearl Street, the southerly line of Walnut Street, the northeasterly line of Highland Avenue, the easterly line of Medford Street, the northerly line of Washington Street, the northwesterly line of Prospect Street, the northerly line of Concord Avenue, extended across Beacon street to the Cambridge line, and by the Cambridge and Boston lines.

**DISTRICT 2.**—Beginning at the Boston line, and bounded by the northeasterly line of Pearl Street, the southeasterly line of Walnut Street, the northeasterly line of Broadway, the northeasterly line of Main Street, and by the Medford and Boston lines.

**DISTRICT 3.**—Beginning at the Medford line, and bounded by the southeasterly line of Cedar Street, the northeasterly line of Highland Avenue, the southeasterly line of Walnut Street, the northeasterly line of Broadway, the northeasterly line of Main Street, and by the Medford line.

DISTRICT 4.—Beginning at the intersection of Medford and Washington Streets, and bounded by the northerly line of Washington Street, the northwesterly line of Prospect Street, the northeasterly line of Somerville Avenue, the southeasterly line of School Street, the northeasterly line of Summer Street, the southeasterly line of Cedar Street, the northeasterly line of Highland Avenue, and the easterly line of Medford Street to Washington Street.

DISTRICT 5.—Beginning at the intersection of Prospect Street and Somerville Avenue, and bounded by the northwesterly line of Prospect street, the northerly line of Concord Avenue prolonged to the Cambridge line, the Cambridge line (extending westwardly), the southeasterly lines of Oxford, Mossland, and Cedar Streets, the northeasterly line of Summer Street, the southeasterly line of School street, and the northeasterly line of Somerville Avenue to Prospect Street.

DISTRICT 6.—All of that portion of the city lying west of the easterly lines of Cedar, Mossland, and Oxford Streets.

It will be seen by these descriptions that the side lines of streets are used as boundaries, and not the middle lines; so that ashes are removed from the sidewalks on both sides of a street on the same day.

#### HOUSE OFFAL.

Under a contract for two years from June 26, 1892, the offal has been collected by Martin Gill, for the sum of sixty-eight hundred and fifty dollars per year, the wagons and sleds being owned by the city. The Board purchased during the year one new wagon of A. S. Symmes, for the sum of two hundred dollars. There are now in service seven wagons and three sleds. The offal has been removed to land leased to the city in 1892, for two years, on Melrose street, on the shore of the Mystic river.

The service has been very unsatisfactory, and we are of the same opinion as expressed in our last report, that it will be for the best interest of the city to abandon the contract system as soon as possible, and to have the offal collected by its own employees and with its own teams. The amount of house offal collected during the past year was about 732 cords.

## NIGHT SOIL.

The removal of night soil has been made by R. M. Johnson of Arlington, during the past year, and has been carried on by the "Oderless" process.

The contract price which the owner or occupant is charged is four dollars for every load, or part of a load, of eighty cubic feet. About 450 loads have been removed during the year. An order-box for the removal is kept at the Police Station on Bow Street.

## DEATHS.

There were 802 deaths and 42 still-births in the city during the year, as specified in the following table, which shows an increase of deaths over the previous year, of 84 :—





MORTALITY IN SOMERVILLE IN 1893.—Continued.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
<b>LOCAL DISEASES.</b>													
<b>GENITO-URINARY ORGANS.</b>													
Bright's disease . . . . .	1	1	2	..	2	2	2	2	2	1	3	2	20
Diabetes . . . . .	1	..	..	..	..	..	..	..	..	..	..	..	1
Cystitis . . . . .	..	1	..	..	1	1	..	..	..	..	..	..	3
Nephritis . . . . .	..	..	1	4	3	..	..	2	..	1	2	..	13
Uræmia . . . . .	..	1	..	..	..	..	1	1	..	..	..	..	3
Childbirth . . . . .	..	..	..	..	..	..	1	1	..	..	..	..	2
Eclampsia . . . . .	..	..	..	..	1	..	..	..	..	1	..	..	2
<b>DEVELOPMENTAL DISEASES.</b>													
<b>OF CHILDREN.</b>													
Inanition . . . . .	2	2	1	2	1	2	1	3	9	2	..	4	29
Premature birth and congenital debility . . . . .	2	1	1	..	1	2	1	1	2	4	1	4	20
<b>OF OLD PEOPLE.</b>													
Old age . . . . .	1	5	4	5	4	4	1	2	6	4	3	3	42
<b>VIOLENT DEATHS.</b>													
Railroad . . . . .	..	..	..	..	..	..	..	..	2	..	..	1	3
Suicide . . . . .	..	..	..	..	..	..	..	1	..	..	..	..	1
Asphyxia . . . . .	..	1	..	..	..	..	..	..	..	1	..	..	2
Sunstroke . . . . .	..	..	..	..	..	1	..	..	..	..	..	..	1
Accidental drowning . . . . .	..	..	..	1	..	..	..	..	1	..	..	..	2
Burning . . . . .	..	..	..	..	..	..	1	..	..	..	1	1	3
Alcoholism . . . . .	..	..	..	..	..	..	..	1	..	..	..	1	2
Fracture of skull . . . . .	..	..	..	..	1	..	..	1	..	..	1	..	3
Fracture of hip . . . . .	..	..	..	1	..	..	..	..	..	..	..	2	3
Concussion of brain . . . . .	..	..	..	..	..	..	..	..	..	1	..	..	1
Fracture of ribs . . . . .	..	..	..	..	..	..	1	..	..	..	..	..	1
Fracture of thigh . . . . .	..	..	..	1	..	..	..	..	..	..	..	..	1
Rupture of blood vessel . . . . .	..	..	..	..	..	..	..	..	..	1	..	..	1
Internal injuries . . . . .	..	..	..	..	..	..	..	..	..	1	..	..	1
<b>Total . . . . .</b>	<b>61</b>	<b>58</b>	<b>67</b>	<b>78</b>	<b>70</b>	<b>46</b>	<b>61</b>	<b>69</b>	<b>62</b>	<b>58</b>	<b>71</b>	<b>101</b>	<b>802</b>
Stillborn . . . . .	2	4	2	3	4	2	6	4	5	2	4	4	42

Population (estimated) . . . . . 50,000  
 Death rate per thousand . . . . . 16

## DISEASES DANGEROUS TO THE PUBLIC HEALTH.

This Board has adjudged small pox, scarlet fever, diphtheria, typhus fever, and typhoid fever to be contagious and dangerous to the public health, 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.

*Scarlet Fever.*—314 cases of scarlet fever, generally of a mild type, have been reported during the year, 19 of which resulted fatally. In 1892 there were 371 cases, 14 of which resulted fatally.

*Diphtheria.*—56 cases of diphtheria have been reported during the year, 11 of which were fatal. In 1892 there were 39 cases, 8 of which proved fatal. Warning cards are used in dealing with these two diseases, and the premises are fumigated immediately after the termination of a case. An inspection is made by the agent of the Board, of the premises where diphtheria is reported, and all sanitary defects discovered are required to be remedied, as soon as possible.

*Typhus Fever.*—This disease has not appeared in our city during the past year.

*Typhoid Fever.*—59 cases of typhoid fever have been reported during the year, 13 of which have proved fatal. In 1892 there were 74 cases reported, 11 of which were fatal.

*Small Pox.*—Friday evening, December 8, the City Physician was called to a patient, whom he found in a high fever. On inquiry the doctor learned that nine days before, the patient had visited a family in Boston in which a case of small pox was discovered a few days after such visit.

In the house with this patient were two families; one consisting of two adults and one child, with the patient as a boarder, and the other consisting of two adults and three children. Two of the children had been vaccinated about ten days before, and the doctor immediately vaccinated all the other members of both families.

The house was quarantined the next day, but the yellow flag was not displayed until Sunday, when it first became evident that the patient had small pox.

Against the orders of the City Physician, the fathers of the families left the house the morning after his first visit, and did not return; but all the other members of both families remained.

A female nurse was first obtained from a bureau in Boston, but on learning that she had not had the disease nor been successfully vaccinated, the doctor did not wish to accept her. She, however, was desirous of taking the case, and as a nurse was needed immediately, the doctor vaccinated her and took her to the house of the patient, where she remained until his recovery. Her vaccination proved successful. A male nurse, who had had the disease, was also employed later, and the patient was attended, throughout his illness, by the City Physician.

No other case of the disease has occurred, and Saturday, January 20, the patient was discharged, cured. This case has afforded a good illustration of the power of vaccination as a preventative.

In order to protect the public, four physicians, — one from each ward—have been employed by this Board to vaccinate all persons who might apply to them in the month of January, free of charge; and notice of this action has been given by publication in the newspapers, and by distributing circulars throughout the city.

*Tables.*—The prevalence of scarlet fever, diphtheria, and typhoid fever in the city during the several months of the year 1893, is shown by the following table, and in the table next following is given the number of deaths from these three diseases, by months, during the last ten years:—

SCARLET FEVER, DIPHTHERIA, AND TYPHOID FEVER  
REPORTED IN 1893.

MONTHS.	SCARLET FEVER.			DIPHTHERIA.			TYPHOID FEVER.		
	Cases Reported	Number of Deaths.	Percentage of Deaths.	Cases Reported.	Number of Deaths.	Percentage of Deaths.	Cases Reported.	Number of Deaths.	Percentage of Deaths.
January . . .	21	1	4.7	7	2	28.5	--	--	--
February . . .	17	-	-	4	1	25.	--	--	--
March . . . .	18	-	-	-	-	-	--	--	--
April . . . .	14	-	-	4	2	50.	5	1	20.
May . . . . .	16	-	-	4	2	50.	3	-	--
June . . . . .	7	-	-	3	-	-	-	-	--
July . . . . .	8	-	-	1	-	-	1	-	--
August . . . .	14	-	-	3	-	-	14	3	21.4
September . . .	24	2	8.	4	1	25.	8	2	25.
October . . . .	33	-	-	10	1	10.	15	3	20.
November . . .	70	9	12.6	12	2	16.6	12	2	16.6
December . . .	72	7	9.6	4	-	--	1	2	200.
Total . . . .	314	19	6.	56	11	19.6	59	13	22.

DEATHS FROM SCARLET FEVER, DIPHTHERIA, AND TYPHOID  
FEVER IN THE LAST TEN YEARS.

MONTHS.	SCARLET FEVER.										DIPHTHERIA.										TYPHOID FEVER.									
	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.
January . . . .	-	2	-	1	5	-	-	-	1	1	2	1	2	1	1	1	2	2	2	2	1	2	-	-	-	-	-	-	-	-
February . . . .	-	1	-	-	3	1	2	-	-	2	2	2	1	3	-	-	-	-	-	-	1	-	-	-	-	-	-	2	-	
March . . . . .	-	1	1	1	4	1	1	-	3	3	1	1	-	-	4	2	2	2	2	-	-	-	2	-	-	-	1	-	-	
April . . . . .	-	-	5	-	-	1	-	-	2	1	2	1	1	3	2	1	1	1	2	-	-	-	1	-	1	2	2	-	1	
May . . . . .	-	-	-	2	1	1	-	-	4	2	2	4	-	-	1	6	1	1	1	-	-	-	1	-	1	1	-	-	-	
June . . . . .	-	1	-	1	1	1	1	1	4	1	2	2	-	1	4	4	2	3	3	-	-	-	-	-	1	1	-	-	-	
July . . . . .	2	-	-	-	-	-	-	1	-	2	2	1	-	2	1	1	1	1	-	-	-	-	-	-	-	-	-	-		
August . . . . .	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	1	1	1	-	-	-	-	-	-	2	1	-	3		
September . . .	1	1	-	-	-	-	-	-	2	4	3	2	1	1	1	2	3	3	1	1	2	3	3	1	1	2	4	2		
October . . . .	1	-	-	6	-	1	-	1	-	2	1	2	3	4	2	1	3	3	2	1	1	2	1	1	1	2	3	3		
November . . .	3	2	-	11	-	-	-	-	9	4	5	2	1	4	1	3	4	4	1	2	1	2	3	3	1	2	2	-		
December . . .	1	1	-	10	-	2	1	3	7	1	4	3	2	1	5	2	3	3	-	1	-	-	2	-	-	-	2	-		
Total . . . .	8	14	3	31	15	7	5	2	14	21	28	20	11	21	28	21	18	8	11	8	11	3	11	17	7	10	11	13		



# MAP OF SOMERVILLE

1894

SHOWING HEALTH DISTRICTS



SEWERS SHOWN THUS - - - - -

## DISTRICTS.

The accompanying map shows the boundaries of the ten health districts into which the city was divided by the Board of Health of 1878 ; also the locations of common sewers.

A record has been kept from year to year of the number of deaths, the death rate per thousand, the prevalence of dangerous diseases, and the number of nuisances abated in these several districts, and is continued in the following tables.

The estimated population in the several districts was originally based on the number of assessed polls in each, and upon the population of the entire city ; the ratio of polls to population being presumed to be the same in all the districts. It has been assumed that the growth in population has been at the same rate as the increase in the number of assessed polls, and has been uniform throughout the city ; the census of every fifth year being taken as a basis for calculation.

TABLE OF DEATHS IN EACH DISTRICT DURING THE LAST TEN YEARS, EXCLUSIVE OF DEATHS IN THE McLEAN ASYLUM.

Districts . . . . .	I.		II.		III.		IV.		V.		VI.		VII.		VIII.		IX.		X.		Entire City.	
	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.
Area . . . . .	337 A.		107 A.		93 A.		171 A.		361 A.		285 A.		194 A.		482 A.		174 A.		456 A.		2,660 A.	
Population . . . . .	8,804		8,601		3,758		5,785		8,775		3,193		5,004		1,760		2,858		1,462		50,000	
Dwellings . . . . .	938		959		886		584		1,640		1,064		733		554		534		439		8,341	
Average in each dwelling . . . . .	9.3		8.9		4.1		9.8		5.3		3.		6.8		3.1		5.3		3.3		5.9	
YEAR.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.
1884 . . . . .	148	27	55	10	42	20	52	14	69	12	32	25	35	11	14	15	27	16	8	11	482	16
1885 . . . . .	152	28	56	11	40	19	72	20	78	14	31	24	53	17	14	14	25	15	11	15	531	18
1886 . . . . .	115	20	51	9	38	17	59	15	85	14	37	28	44	13	11	11	20	11	19	24	479	15
1887 . . . . .	182	29	54	9	45	19	81	19	87	13	37	25	62	13	20	19	26	14	12	14	606	18
1888 . . . . .	148	23	68	11	44	18	62	14	117	18	33	22	50	13	16	14	28	14	13	15	579	16
1889 . . . . .	125	16	67	9	48	17	85	17	105	14	28	17	62	15	19	15	26	12	17	17	582	15
1890 . . . . .	140	19	69	9	48	17	94	19	139	18	46	27	59	14	27	22	26	12	15	15	663	16
1891 . . . . .	169	22	71	9	68	23	103	20	120	15	75	42	77	17	33	25	33	14	12	12	761	18
1892 . . . . .	139	17	75	9	42	13	76	14	144	16	65	34	59	12	27	19	44	17	25	22	696	16
1893 . . . . .	161	18	80	9	63	16	94	16	180	20	64	20	72	14	23	13	26	9	27	18	790	15
Average death rate per 1000 for ten years		21		9		17		16		15		26		14		16		13		16		16

In 1893.



TABLE SHOWING THE FIVE PRINCIPAL CAUSES OF DEATH IN SOMERVILLE IN 1893, WITH THE NUMBER AND RATE IN EACH DISTRICT.

DISTRICTS.	CONSUMPTION.		HEART DISEASE.		PNEUMONIA.		CHOLERA INFANTUM.		OLD AGE.	
	Number of Deaths.	Number per 1,000 of pop.	Number of Deaths.	Number per 1,000 of pop.	Number of Deaths.	Number per 1,000 of pop.	Number of Deaths.	Number per 1,000 of pop.	Number of Deaths.	Number per 1,000 of pop.
I. . . . .	26	2.95	6	0.68	29	3.29	16	1.81	3	0.34
II. . . . .	5	0.58	5	0.58	10	1.16	1	0.11	3	0.34
III. . . . .	10	2.66	5	1.33	8	2.11	3	0.79	2	0.52
IV. . . . .	15	2.59	6	1.03	14	2.41	5	0.86	5	0.86
V. . . . .	18	2.06	17	1.93	22	2.50	6	0.68	19	2.16
VI. . . . .	8	2.50	3	0.93	9	2.81	2	0.62	1	0.31
VII. . . . .	6	1.19	4	0.79	8	1.59	—	—	4	0.79
VIII. . . . .	—	—	2	1.13	4	2.27	—	—	1	0.16
IX. . . . .	6	2.09	—	—	1	0.35	—	—	3	1.05
X. . . . .	3	2.05	1	0.65	3	2.05	1	0.68	1	0.68
Total . . . .	97	1.94	49	0.98	108	2.16	34	0.68	42	0.84

TABLE OF SCARLET FEVER, DIPHTHERIA, AND TYPHOID FEVER IN EACH DISTRICT IN 1893.

DISTRICTS.	SCARLET FEVER.				DIPHTHERIA.				TYPHOID FEVER.			
	Cases Reported.	Deaths.	Cases per 1,000 of pop.	Deaths per 1,000 of pop.	Cases Reported.	Deaths.	Cases per 1,000 of pop.	Deaths per 1,000 of pop.	Cases Reported.	Deaths.	Cases per 1,000 of pop.	Deaths per 1,000 of pop.
I. . . . .	78	5	8.66	0.57	10	2	1.13	0.23	12	1	1.36	0.11
II. . . . .	37	—	4.07	—	8	2	0.93	0.23	9	4	1.04	0.47
III. . . . .	36	2	9.58	0.53	3	1	0.79	0.27	6	—	1.59	—
IV. . . . .	33	5	5.70	0.86	2	—	0.35	—	2	1	0.34	0.17
V. . . . .	48	1	5.47	0.11	10	2	1.13	0.23	15	5	1.71	0.57
VI. . . . .	20	2	6.26	0.62	5	1	1.56	0.31	4	—	1.25	—
VII. . . . .	23	1	4.59	0.19	7	1	1.39	0.19	4	1	0.79	0.19
VIII. . . . .	10	1	5.68	0.57	2	—	1.13	—	3	1	1.70	0.65
IX. . . . .	16	—	5.59	—	5	—	1.75	—	4	—	2.73	—
X. . . . .	13	2	8.89	1.36	4	2	2.73	1.37	—	—	—	—
Total . . . .	314	19	6.28	0.38	56	11	1.12	0.22	79	13	1.18	0.26



NUISANCES ABATED IN EACH DISTRICT IN 1893.

	I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.	Total
Population (estimated) . . . . .	8,804	8,601	3,758	5,785	8,775	3,193	5,004	1,760	2,858	1,462	50,000
Cellar damp . . . . .	11	2	..	1	2	..	2	1	..	..	19
Cesspool offensive . . . . .	1	..	..	..	1	2	..	..	1	2	7
Cesspool overflowing . . . . .	3	..	..	..	1	..	1	..	..	4	9
Connections of drainage pipes defective . . . . .	7	2	..	3	1	..	1	..	..	..	14
Decomposed meat offensive . . . . .	..	1	..	..	..	..	..	..	..	..	1
Dogs kept in kitchen . . . . .	1	1	..	..	..	..	..	..	..	..	2
Dog house offensive . . . . .	..	..	..	..	..	..	1	..	..	..	1
Drainage defective . . . . .	2	3	1	..	6	1	1	..	..	1	15
Drainage emptying into cellar . . . . .	3	1	..	1	..	..	..	..	..	..	5
Drainage emptying on surface . . . . .	4	2	..	..	1	1	..	..	..	..	8
Drainage not ventilated . . . . .	..	1	..	..	..	..	..	..	..	..	1
Drain-pipe defective . . . . .	..	1	..	..	1	..	..	..	..	..	2
Hennery offensive . . . . .	1	..	..	1	1	1	2	..	..	..	6
Hens kept in cellar . . . . .	2	2	..	..	1	..	1	..	..	..	6
Horses kept in cellar . . . . .	1	..	..	..	..	..	..	..	..	..	1
Manure exposed and offensive . . . . .	6	3	1	1	1	2	5	..	1	1	21
Manure-pit defective . . . . .	1	1	1	..	1	..	1	..	..	..	5
Manure-pit too close to house . . . . .	..	..	..	..	1	..	1	..	..	..	2
Offal on land . . . . .	1	1	..	..	..	..	..	..	..	..	2
Offensive odor in and about dwellings . . . . .	6	2	..	2	3	..	2	..	..	3	18
Opening in drain-pipe in cellar . . . . .	1	..	..	..	..	..	..	..	..	..	1
Pigs kept without license . . . . .	1	..	1	1	..	..	1	..	..	..	4
Premises filthy . . . . .	17	4	..	2	3	..	..	..	1	..	27
Premises untidy . . . . .	26	6	..	3	6	..	2	..	..	..	43
Privy-vault defective . . . . .	39	1	2	2	1	2	..	..	..	..	47
Privy-vault full . . . . .	68	5	2	10	13	9	8	1	4	4	124
Privy-vault offensive . . . . .	103	8	3	12	17	9	11	2	2	9	176
Rubbish in cellar . . . . .	4	..	..	..	1	..	..	..	..	..	5
Sewage flowing under floor . . . . .	1	1	..	..	2	..	..	..	..	..	4
Sewer-gas in house . . . . .	2	..	..	1	4	..	1	..	2	..	10
Slops thrown on surface . . . . .	1	1	..	..	1	..	..	..	..	..	3
Stable infected with glanders . . . . .	8	3	..	..	1	..	2	..	..	..	14
Stable and stable premises filthy and offensive . . . . .	3	4	..	2	1	..	..	..	1	..	11
Stable without drainage . . . . .	1	4	..	..	1	..	2	..	..	..	8
Stagnant water on surface . . . . .	5	..	..	2	..	1	..	..	3	..	11
Ventilation under window offensive . . . . .	..	1	..	..	..	..	..	..	..	..	1
Waste-pipe defective . . . . .	6	1	..	2	1	..	..	..	..	1	11
Waste-pipe not trapped . . . . .	4	..	..	1	2	..	2	..	..	..	9
Water-closet defective . . . . .	1	1	2	1	4	2	2	1	4	2	20
Water-closet insufficiently supplied with water . . . . .	..	4	..	4	4	..	2	..	..	..	14
Water-closet offensive . . . . .	2	1	1	2	1	2	1	..	..	3	13
Water in cellar . . . . .	2	..	1	..	2	..	..	..	..	..	5
<b>Total . . . . .</b>	<b>345</b>	<b>68</b>	<b>15</b>	<b>54</b>	<b>86</b>	<b>32</b>	<b>52</b>	<b>5</b>	<b>19</b>	<b>30</b>	<b>706</b>

## REGULATIONS OF THE BOARD OF HEALTH.

Pub. Stat., Chap. 80, § 18.

IN BOARD OF HEALTH, CITY OF SOMERVILLE, }  
 March 22, 1892. }

WHEREAS, It is the opinion of the Board of Health of the City of Somerville, and it does hereby adjudicate that the following regulations are necessary for the public health and safety, respecting nuisances, sources of filth, and causes of sickness within the City of Somerville, and that it is necessary to make the following regulations for the public health and safety ; now therefore it is

*Ordered*, That the following regulations, designated, respectively, as Chapters I. to X., both inclusive, be and hereby are made and adopted, and all regulations previously adopted by this board are hereby repealed :—

## CHAPTER I.

## CONTAGIOUS DISEASES.

SECTION 1. It is adjudged that the diseases known as small-pox, scarlet fever, diphtheria, typhus fever, and typhoid fever are contagious and dangerous to the public health and safety, and may easily be contracted from persons or apartments, or at funerals from dead bodies which may be infected by such diseases, and that the following provisions of this chapter are necessary for the public health and safety in regard to said diseases.

SECT. 2. *Householder to give Notice*.—When a householder knows that a person within his family, or any member of his household, is sick of small-pox, scarlet fever, diphtheria, typhus fever, or typhoid fever, he shall immediately give notice thereof to the Board of Health.

SECT. 3. *Physician to give Notice*.—When a physician knows that a person whom he is called to visit is infected with

small-pox, scarlet fever, diphtheria, typhus fever, or typhoid fever, he shall immediately give notice thereof to the Board of Health.

SECT. 4. *Pupils not to attend School.*—No pupil shall attend the public schools while any member of the household to which such pupil belongs, or any occupant of the house in which such pupil resides, is sick of small-pox, scarlet fever, diphtheria, or typhus fever, or during a period of two weeks after the death, recovery, or removal of such sick person; and any pupil coming from such household shall be required to present to the teacher of the school which such pupil desires to attend a certificate from the attending physician or Board of Health of the facts necessary to entitle him or her to admission, in accordance with this regulation.

SECT. 5. *Dwelling to be Labelled.*—Every dwelling where a case of small-pox, scarlet fever, diphtheria, or typhus fever is known to exist shall be immediately conspicuously labelled at its entrance with a card marked “Small-pox here,” “Scarlet fever here,” “Diphtheria here,” or “Typhus fever here,” as the case may be, such card there to remain until removed by said Board or its agent, or by permission of said Board.

SECT. 6. *Label not to be removed or Persons to visit Dwelling.*—No person shall, without permission from the Board of Health, remove from any dwelling in said city any card affixed thereto by said Board, or its agent, or any other person, indicating that any of said diseases exist in said dwelling; nor shall any person obliterate or deface such card; nor shall the occupant of any dwelling to which such card may be affixed permit the same to be removed, obliterated, or defaced without immediately notifying said Board; nor shall any person, except members of the immediate family occupying the same, and those whose business calls them there, visit, or be permitted by the householder, or any occupant thereof, to visit, a dwelling labelled with a card as aforesaid without the written permission of said Board.

SECT. 7. *No Public Funeral.*—No Public funeral, and no funeral attended by other persons than members, occupying the dwelling in which the funeral is held, of the immediate family of which the deceased was a member, or those whose business calls them there, shall be held over the remains of any person having died of small-pox, scarlet fever, diphtheria, or typhus fever, except

by written consent of the Board of Health, and under such regulations as said Board may prescribe; and every householder, undertaker, or other person who shall attend or permit any funeral held in violation of the foregoing provisions of this section shall be liable to the penalty provided by law for violation of any regulation of the Board of Health. No persons, except members of the immediate family of which the deceased was a member, and those whose business calls them there, shall, without the written permission of said Board, be admitted to the house where such death has occurred until after the interment has taken place and the premises have been fumigated.

SECT. 8. *Undertaker to prepare Body and notify Board of Health, and Burial to be made immediately.*—In case of any person dying of small-pox, scarlet fever, diphtheria, or typhus fever the undertaker, his assistant, or agent shall immediately, upon the death of such person, or immediately upon his being notified of the death, or called upon to perform any services, wrap the entire body, including the face, in a sheet saturated with a ten per cent solution of chloride of zinc, and shall immediately place it in a tight coffin, which shall be securely fastened and shall not thereafter be opened. He shall notify the Board of Health or its agent of the time when the body is to be removed, and shall sign a certificate containing a true statement of the facts, that he has complied with the foregoing provisions of this section; and he, and every other person having charge or custody or the right of disposal of the body, shall cause the burial to take place immediately, and in all cases within not more than eight hours after the time of death, unless further time shall be allowed by the said Board of Health.

SECT. 9. *Patient or Body not to be carried in Public Carriage.*—No owner, driver, or other person having charge of any hackney carriage or other vehicle used as public conveyance shall receive, or permit to be placed, or convey in any manner, in or upon said carriage or other vehicle any person sick or infected with small-pox, scarlet fever, diphtheria, or typhus fever, or the body of any person who has died of either of said diseases, except by written consent of the Board of Health, and under such regulations as said board may prescribe.

SECT. 10. *Dwelling not to be visited until Fumigated.*—Upon the death, removal, or recovery of a person sick of small-pox, scarlet fever, diphtheria, or typhus fever, no persons except members of the immediate family of which such sick person was a member, and those whose business calls them there, shall thereafter visit, or be permitted by the householder or any other occupant thereof to visit, the dwelling in which such person was sick as aforesaid until such dwelling shall have been fumigated or disinfected by the Board of Health or its agent, or to their or his satisfaction.

## CHAPTER II.

### STABLES AND THE REMOVAL OF MANURE.

SECTION 1. *Washing of Carriages and Horses, Care of Stables and Yards, and Accumulation of Manure.*—The owners or occupants of livery or other stables within the city of Somerville shall not wash or clean carriages or horses, or cause them to be washed or cleaned, in the streets or public ways; they shall keep their stables and stable yards clean, and no manure shall be allowed to accumulate or remain uncovered outside of the stable building.

SECT. 2. *Removal of Manure at certain times, without permit, prohibited.*—No person shall remove any manure, or cause or suffer the same to be removed, between the first day of May and the first day of November, except between twelve o'clock at night and two hours after sunrise, without a written permit from the Board of Health.

SECT. 3. *Manner of removing Manure.*—No manure shall be removed or carried through the streets of this city except in a tight canvas-covered vehicle, with the covering so secured to the sides and ends of the vehicle as to prevent the manure in process of removal from being dropped or left in any street or way of the city. No manure shall be loaded into a vehicle in or upon any street, lane, or passageway, nor upon or across any sidewalk, without a written permit from the Board of Health.

## CHAPTER III.

### PRIVY-VAULTS, CESSPOOLS, AND DRAINS.

SECTION 1. *To be cleansed.*—If the owner, agent, or occupant of any premises where a privy-vault, cesspool, or drain

may be situated shall neglect or refuse to cleanse such vault, cess-pool, or drain after being notified by the chief of police or by the Board of Health or its agent that the same has become offensive, he shall be liable to the penalties provided by law.

SECT. 2. *Not to be emptied except as authorized by the Board of Health.*—No privy-vault or cesspool shall be emptied except by such parties, in such manner, and at such time as shall be specially authorized by the Board of Health. The owner, agent, or occupant of the premises where any privy-vault or cesspool may be situated shall always be liable for the expense of emptying the same.

SECT. 3. *Carting of Night-soil or other offensive matter through Streets.*—No person, unless specially authorized by the Board of Health, shall drive any cart, or other vehicle, containing, or used for conveying, night-soil or other offensive matter, in any street of the city, between the hours of 4 A. M. and 10 P. M., during the months of April, May, June, July, August, and September; nor between the hours of 5 A. M. and 9 P. M., during the months of October, November, December, January, February, and March; provided, however, that this regulation shall not be understood to conflict with the regulations of this Board concerning “Stables and the Removal of Manure” nor, to restrict the removal or carting of night-soil in carts such as are used in making such removal by what is commonly known as the “Odorless” process, provided such removal be made or carting done without emitting offensive odors in the streets.

## CHAPTER IV.

### HOUSE-OFFAL.

SECTION 1. *How to be kept.*—All house-offal and refuse animal or vegetable substances shall be placed in suitable vessels and kept in some convenient place, to be removed by the persons duly authorized for that purpose by the Board of Health. Such vessels shall be kept covered, and shall not be permitted to become offensive.

SECT. 2. *Not to be Removed without Permit or Contract.*—No person shall remove or carry in or through any street,



avenue, square, court, lane, place, or alley, within the city, any house-offal, or any offensive animal or vegetable substance, without a permit from, or contract with, the Board of Health, nor in any manner except such as shall be specified in such permit or contract.

## CHAPTER V.

### ASHES AND HOUSE-DIRT.

SECTION 1. *Removal of, etc.*—Ashes and house-dirt to be removed by the city shall be kept entirely free and apart from offal and filth of any kind, and shall be placed in barrels or other suitable vessels on the outer edge of the sidewalk, on such days and at such hours as the Board of Health shall from time to time designate, by notices left at the dwellings or otherwise.

## CHAPTER VI.

### DEAD ANIMALS AND OFFENSIVE SUBSTANCES.

SECTION 1. *Not to be thrown upon Ground or into any body of Water.*—No person shall deposit and leave exposed upon the surface of the ground, nor put into any body of water, in the city, any dead animal; nor shall any person throw or put into or upon any public or private way, lot of land, or body of water, any slops, decayed vegetables, fish, or other offensive substance whatsoever.

## CHAPTER VII.

### COLLECTING GREASE.

SECTION 1. *Permit for.*—No person shall collect or remove from any dwelling-house or other place in the city any grease, or refuse fatty matter, without first obtaining a permit so to do from the Board of Health, and in all respects complying with the conditions of such permit. All such permits shall expire on the first day of May, annually, and may be revoked at any time by the Board of Health; and no person shall receive such a permit without first paying to the clerk of said Board, for the use of the city, the sum of \$2.00.

## CHAPTER VIII.

## GOATS AND SWINE.

SECTION 1 *Permit to Keep*.—No person shall keep a goat or swine within the limits of the city without first obtaining a permit so to do from the Board of Health, and in all respects complying with the conditions of such permit. All such permits shall expire on the first day of May, annually, and may be revoked at any time by the Board of Health; and no person shall receive such a permit without first paying to the clerk of said Board, for the use of the city, the sum of \$1.00 for each goat or swine to be kept.

## CHAPTER IX.

## COWS.

SECTION 1. *Permit to Keep*.—No person shall keep, or allow to be kept, within the limits of the city, in any building, or on any premises, of which he may be the owner, lessee, tenant, or occupant, more than one cow, without a written permit from the Board of Health. Every person keeping a cow shall cause the place where it is kept to be well ventilated and drained, and kept at all times in a cleanly and wholesome condition. Such permit may be revoked at any time when such revocation shall appear to the Board to be necessary for the public health and safety. All such permits shall expire on the first day of May annually.

## CHAPTER X.

## RENDERING.

SECTION 1. *Forbidden except at Premises Assigned*.—By virtue of the authority given in chapter 80 of the Public Statutes, the Board of Health of the City of Somerville hereby forbids the exercise of the trade or employment of rendering tallow (other than fresh tallow), lard, grease, fat, bones, or other refuse animal matter, within the limits of the City of Somerville, except at such

places as have been or may hereafter be assigned by said Board ; such trade or employment being in the opinion of the Board a nuisance, hurtful to the inhabitants, and the exercise of which is attended by noisome and injurious odors.

Published in *Somerville Journal* of March 26, 1892.

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## CHAPTER XI.

IN RELATION TO THE SUPPRESSION OF CONTAGIOUS DISEASES  
AMONG DOMESTIC ANIMALS.

IN BOARD OF HEALTH,  
CITY OF SOMERVILLE, June 8. 1893. }

In pursuance of the power conferred upon the Board of Health by section three of chapter two hundred and fifty-two of the acts of the year eighteen hundred and eighty-seven, and of all other powers the said Board hereto enabling, and it being hereby adjudged that the following regulations are necessary for regulating and prohibiting the passage, from, to, or through the City of Somerville, or from place to place within the same, of any cattle or other domestic animals infected, or suspected of being infected, with any of the contagious diseases hereinafter referred to, and that the following regulations are necessary for suppressing and preventing the spread of said contagious diseases among animals within the limits of said city ; now, therefore, it is

ORDERED: That, whenever any agent duly appointed by this Board of Health finds any animal within the limits of said city suspected by him of having, or which in his judgment is infected with, any of the contagious diseases as follows, namely: glanders, farcy, contagious pleuro-pneumonia, tuberculosis, Texas fever, foot and mouth diseases, rinderpest, hog cholera, and rabies, such agent shall cause, in the name of this Board, such animal to be kept quarantined or isolated in such place (whether a portion of a building or other place) as he may designate, and may order that such animal shall be so kept isolated by the owner or the person or

persons in possession of such animal, and at the cost of such owner or person or persons, and shall not be removed from the place so designated until discharged therefrom by an order of this Board, or its duly authorized agent, or an order issued by the State Board of Cattle Commissioners or any of its members, and all persons are hereby forbidden to remove, or cause to be removed, said animal from the place or enclosure where it has been so quarantined or isolated; or to cause or allow said animal to pass from place to place within said city, or to be or remain in any place in said city, except the place designated as aforesaid; or to drive or transport, or cause to be driven or transported, any animal contrary to the regulations aforesaid; or to cause or allow any other animal to come in contact with said quarantined animal, or to enter the enclosure where such animal is confined.

That any person disobeying any provision of this order or any order made by the agent of this Board of Health as aforesaid, or driving or transporting any animal contrary to the said regulations, shall be punished by a fine not exceeding five hundred dollars or imprisonment not exceeding one year.

That these regulations shall be recorded upon the records of the Board of Health of the City of Somerville, and shall be published two days in the newspapers published in said Somerville, known as the *Somerville Journal* and the *Somerville Citizen*.

That whoever may be from time to time the agent of the Board of Health, appointed as such in accordance with the provisions of chapter eighty of the Public Statutes or any acts in amendment thereof, or in addition thereto, or otherwise appointed according to law, is hereby appointed as, and shall be, the agent of the Board of Health, who shall have the power to enforce the aforesaid prohibitions and regulations, and shall in general be the agent of this board for all the purposes mentioned in these regulations.

Published in *Somerville Journal* of June 10, and 17, and in the *Somerville Citizen* of June 9 and 16, 1893.

APPROPRIATION FOR HEALTH DEPARTMENT AND  
EXPENDITURES THEREFROM, 1893.

CREDIT.

Appropriation	.	.	.	.	\$12,000 00	
Receipts :						
For permits to keep swine and goats and to collect grease					228 00	
Rent of land on Melrose Street for use of offal					250 00	
Total credit					\$12,478 00	

DEBIT.

Expenditures :						
For Agent's salary					\$1,100 00	
collecting ashes					5,100 00	
collecting offal					6,850 00	
burying dead animals					116 00	
vaccine virus					32 64	
oil of peppermint					10 50	
care of Diphtheria case, (Harry Carney.)					218 65	
care of Small-pox case, (Henry Liscomb.)					77 00	
care of Diphtheria case (Lydia Bruce.)					180 00	
one offal wagon					200 00	
repairs of wagons					197 00	
lowering culverts, Gorham and Cameron Sts.					309 63	
labor, cleaning dumps					108 63	
disinfectant					16 64	
sulphur					13 33	
burning bedding					2 00	
<i>Amounts carried forward</i>					\$14,532 02	\$12,478 00

<i>Amounts brought forward</i>	\$14,532 02	\$12,478 00
For laundry work	1 70	
rent of post office box	4 00	
tools	7 75	
books, stationery, printing etc.	54 25	
car fare	36 75	
carriage hire	11 00	
rent of land Melrose Street	250 00	
incidentals	27 98	
	<hr/>	
Total debit		\$14,925 45
		<hr/>
Amount overdrawn		\$2,447 45

THOMAS M. DURELL, M. D., *Chairman.*

ALVANO T. NICKERSON.

ALVAH B. DEARBORN, M. D.

*Board of Health.*

INDEX

TO THE REPORT OF THE BOARD OF HEALTH.

Ashes . . . . .	375
Cows . . . . .	374
Dangerous diseases . . . . .	380
Death rate, 1893, (at end of mortality table). . . . .	379
Deaths . . . . .	377
Diphtheria . . . . .	380
Districts . . . . .	375
Expenses . . . . .	397
Glanders . . . . .	373
Goats . . . . .	374
Grease . . . . .	374
House offal . . . . .	376
Manure . . . . .	374
Night soil . . . . .	377
Nuisances . . . . .	371
Organization . . . . .	371
Pedlers . . . . .	374
Permits . . . . .	374
Population (at end of mortality table) . . . . .	379
Regulations . . . . .	388
Scarlet fever . . . . .	380
Sewer at Clarendon Hill, West Somerville . . . . .	373
Sewer outlet, Mystic avenue . . . . .	373
Small pox . . . . .	380
Swine . . . . .	374
Typhoid fever . . . . .	380

TABLES.

Mortality in Somerville, 1893 . . . . .	378
“ rates of, in districts, in last ten years . . . . .	384
Nuisances abated, 1893 . . . . .	372
“ “ in districts, 1893 . . . . .	387
Principal causes of death, in districts, 1893 . . . . .	385
Scarlet fever, diphtheria, and typhoid fever, 1893 . . . . .	382
“ “ “ “ deaths in last ten years . . . . .	382
“ “ “ “ in districts, 1893 . . . . .	385
“ “ “ “ in last seven years, . . . . .	386





REPORT  
OF THE  
OVERSEERS OF THE POOR.



## CITY OF SOMERVILLE.

---

IN BOARD OF ALDERMEN, February 14, 1894.

Referred to the committee on printing, to be printed in the annual reports. Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

---

IN COMMON COUNCIL, February 15, 1894.

Concurred in.

CHARLES S. ROBERTSON, *Clerk.*

# BOARD OF OVERSEERS OF THE POOR, 1893.

---

WILLIAM H. HODGKINS, *Chairman, ex-officio.*

NATHAN H. REED, *President* . . . . . Ward One.

EDWARD B. WEST . . . . . Ward Two.

JAMES G. HINCKLEY . . . . . Ward Three.

ALBERT W. EDMANDS . . . . . Ward Four:

---

## COMMITTEES :

*On Investigation and Relief* . . . . . MR. REED AND MR. WEST.

*On Finance* . . . . . MR. HINCKLEY AND MR. EDMANDS.

CHARLES C. FOLSOM, *General Agent.*

CORA F. LEWIS, *Secretary.*

ALVAH B. DEARBORN, M. D., *City Physician.*

*Office:* Police Building, Bow St.

## CITY OF SOMERVILLE.

---

OFFICE OF OVERSEERS OF THE POOR, }  
POLICE BUILDING, Bow St., January 31, 1894. }

*To the Honorable, the Mayor and the City Council of the City  
of Somerville.*

GENTLEMEN :—The annual report of the Overseers of the Poor, with the annexed tables, is herewith submitted :

### MEMBERSHIP.

Mr. Charles G. Brett, who had served on the Board for eight years—the last four years as its president—declined a re-election. His uniform courtesy and fairness as a presiding officer, and his punctual attendance rendered him a very valuable member. Ex-alderman Albert W. Edmands was *elected* in Mr. Brett's place. The other members of the board are the same as in 1892.

Miss Cora F. Lewis was elected secretary of the Board, the first of the year, and has proved efficient and correct in her work.

### IN-DOOR POOR, OR FULL SUPPORT.

Our full support cases have increased during the year. In January 1893, we had 39 insane persons for whose support we were paying ; in December 1893, there were 49, an increase of 10. 44 of these are in State Hospitals, and 5 are in private families. We receive re-imbusement for 2.

The insane are increasing to that extent that it will soon become a serious question whether we had not better have suitable accom-

modations for them in our own city; especially as a majority of them are mildly insane and could be cared for as well or better at home than where they are.

The number of sane persons wholly supported has not increased during the year. We have 11 in out-of-town alms houses and 11 in private families, and are also paying for the support of 2 children at the Mass. School for Feeble-minded, and 2 at the House of the Angel Guardian.

### OUT-DOOR POOR, OR PARTIAL SUPPORT.

We have aided this year, 894 persons—an increase of 155 over 1892. The number of families we have helped is 238—an increase of 54. The increase is due largely to the fact that so many are out of work. Quite a number of young men in the early part of the summer deserted their families. We are at a loss to know why this should be so this year more than any other, unless these men wished to attend the World's Columbian Exposition at Chicago, and did not feel able to take their families and left them for the city to support. We are responsible for 13 rents,—a slight decrease during the year. We have assisted in the burial expenses of 16 persons, and have given 5 permits to the Tewksbury Almshouse.

### TRAMPS.

Owing to the fact that some of the neighboring cities and towns have neglected to provide lodgings for tramps, we have had a very large increase during the latter part of the year. Previous to 1893 the tramps were lodged in the cells of the police station; but owing to the fact that all of the cell-room was needed for prisoners, we have caused to be fitted up in the basement of the police station a room exclusively for tramps, at a cost of \$249.90. 20 to 30 can be accommodated here, but owing to the above reason, and to the fact that many are out of work and are travelling from one town to another, we have been over-run since the cold weather set in.

In November and December 1892, only 133 applied for lodgings; in November and December last year 1,622 tramps were

lodged in this building. If this increase continues we shall feel obliged to ask the City Council for a suitable room in which to lodge this vast army of travellers. We believe there is a remedy for this state of affairs, and if we had suitable accommodation, we have no doubt but that this number could be reduced at least one half. Our remedy would be a good bath room and a large *wood pile*. All this could be arranged if we had an

### ALMSHOUSE.

During the early part of the year, permission was given this Board to hire a house for use in the boarding of paupers, as it was very hard to secure places for some of them; but owing to the fact that it was hard to find a suitable house, and that objections were made by owners and neighbors, we gave up the idea, hoping the city would soon build one. We would earnestly recommend that the city procure a suitable lot, at least, this year, so that in the very near future, we may have a house to accommodate our worthy poor and not be obliged to ask our neighbors to board our paupers for us; then the tramps could be lodged or worked, and we believe the number would be very much less. For additional facts and figures we refer to the annexed tables.

Respectfully submitted,

WILLIAM H. HODGKINS,

*Chairman ex-officio.*

NATHAN H. REED, *President*, Ward One.

EDWARD B. WEST, Ward Two.

JAMES G. HINCKLEY, Ward Three.

ALBERT W. EDMANDS, Ward Four.

*Board of Overseers of the Poor.*

TABLE No. 1.

## PARTIAL SUPPORT.

*(Out door relief.)*

Families aided . . . . .	238
Persons aided . . . . .	894
Burials . . . . .	16
Permits to the Tewksbury Almshouse. . . . .	5

TABLE No. 2.

## FULL SUPPORT.

*(During the year.)*

In Almshouses . . . . .	15
In private families . . . . .	19
In Boston hospitals . . . . .	21
In Massachusetts School for the Feeble minded . . . . .	3
In House of the Angel Guardian . . . . .	2
Insane persons in private families . . . . .	5
Insane persons in hospitals . . . . .	52

TABLE No. 3.

## FULL SUPPORT.

*(December 31, 1893.)*

In out-of-town almshouses . . . . .	11
In private families . . . . .	11
In private families 5—children . . . . .	4
Insane in hospitals (we are reimbursed for 2) . . . . .	44
Insane in private families . . . . .	5



TABLE No. 4.

## RECAPITULATION.

Appropriation . . . . .	\$14,000.00
Reimbursements . . . . .	2,339.35
	<hr/>
Total receipts. . . . .	\$16,339.35
Total expenditures . . . . .	17,799.58
	<hr/>
Account overdrawn . . . . .	\$1,460.23
Net expenditures . . . . .	\$15,460.23

TABLE No. 5.

## REIMBURSEMENTS.

Commonwealth of Massachusetts . . . . .	\$821.45
City of Boston . . . . .	245.21
" Cambridge . . . . .	97.95
" Lowell . . . . .	11.25
" Malden . . . . .	12.05
" Woburn . . . . .	10.00
" Medford . . . . .	4.00
" Waltham . . . . .	60.00
" Lawrence . . . . .	20.55
" Newburyport . . . . .	11.78
Town of Lexington . . . . .	97.50
" Revere . . . . .	81.70
" No. Adams . . . . .	5.60
" Canton . . . . .	108.15
" Sandwich . . . . .	2.00
" Stoneham . . . . .	52.16
" Melrose . . . . .	26.74
" Wakefield . . . . .	17.72
" No. Andover . . . . .	28.33
Guardians and Relatives . . . . .	603.01
Money not called for . . . . .	22.20
	<hr/>
	\$2,339.35

TABLE No. 6.

EXPENDITURES, IN DETAIL, FOR THE YEAR 1893.

1893.	Rent.	Board.	Groceries.	Towns and Cities.	Public Institutions.	Boots and Shoes.	Dry Goods.	Burial.	Salaries.	Fuel.	Sundries.	Total.
January .	\$97.86	\$77.76	\$244.50	\$399.18	\$1,603.53	—	—	\$30.00	\$145.84	\$161.38	\$177.05	\$2,937.10
February .	82.00	71.00	229.00	111.00	2.29	38.05	—	15.00	145.83	131.69	40.37	866.23
March . .	82.86	229.63	247.43	—	1,727.04	—	5.00	—	145.84	102.92	18.12	2,558.84
April . .	93.57	66.93	110.00	77.14	61.79	—	15.78	10.00	145.83	—	7.87	588.91
May . . .	93.86	118.33	113.25	4.75	381.08	—	—	25.00	145.83	—	28.91	911.01
June . . .	130.57	233.49	266.49	4.48	1,326.17	—	—	6.00	145.84	—	30.60	2,143.64
July . . .	87.00	119.19	156.04	399.33	589.04	11.25	—	21.00	145.83	—	18.00	1,546.68
August . .	97.00	87.54	143.93	235.08	13.00	—	—	10.00	145.83	—	22.85	755.23
September	92.00	222.19	257.00	172.00	1,260.67	17.00	—	25.00	145.84	—	13.87	2,205.57
October . .	78.00	111.54	257.79	—	957.02	8.25	—	25.00	145.83	—	11.55	1,594.98
November	78.00	103.87	213.96	27.57	—	5.50	—	—	145.83	179.61	10.18	764.52
December	73.00	122.68	291.38	—	48.00	39.40	18.98	20.00	145.83	140.22	27.38	926.87
Total .	\$1,085.72	\$1,564.15	\$2,530.77	\$1,430.53	\$7,969.63	\$119.45	\$39.76	\$187.00	\$1,750.00	\$715.82	\$406.75	\$17,799.58

TABLE No. 7.

GROSS EXPENDITURES FROM 1883 TO 1893, INCLUSIVE.

1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.
\$15,959.80	\$17,272.52	\$16,430.32	\$14,341.83	\$13,430.89	\$13,375.98	\$14,610.92	\$15,261.14	\$15,980.49	\$17,015.30	\$17,799.58

REPORT  
OF THE  
CITY PHYSICIAN.

## CITY OF SOMERVILLE.

---

IN BOARD OF ALDERMEN, February 14, 1894.

Referred to the committee on printing, to be printed in the annual reports. Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

---

IN COMMON COUNCIL, February 15, 1894.

Concurred in.

CHARLES S. ROBERTSON, *Clerk.*

## CITY OF SOMERVILLE.

---

OFFICE OF THE CITY PHYSICIAN. }  
January 1, 1894. }

*To His Honor, the Mayor and the City Council:—*

The following is a summary of my work as City Physician for the year ending December 31, 1893:—

Number of visits made 1348. Three hundred and fifty eight persons have been treated at my office.

Twenty eight visits were made, at the police station. Nine visits were made and certificates given where persons died unattended by a physician.

Three hundred and sixty-eight persons have been vaccinated. Thirteen women were attended in childbirth.

Nineteen persons were examined for the police force.

One hundred and twenty three persons have had teeth extracted.

Respectfully submitted,

ALVAH B. DEARBORN,

*City Physician.*



REPORT  
OF THE  
COMMITTEE ON HIGHWAYS.

## CITY OF SOMERVILLE.

---

IN BOARD OF ALDERMEN; February 14, 1894.

Referred to the committee on printing, to be printed in the annual reports. Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

---

IN COMMON COUNCIL, February 15, 1894.

Concurred in.

CHARLES S. ROBERTSON, *Clerk.*



# CITY OF SOMERVILLE.

---

IN COMMITTEE ON HIGHWAYS, January 1, 1894.

*To the City Council:*

GENTLEMEN:—The Committee on Highways presents the following report for the year ending December 31, 1893.

## HIGHWAYS ACCOUNT.

### CREDIT.

Appropriation . . . . .		\$60,000.00
Receipts and credits:—		
For labor and materials furnished prior to January 1, 1893, the bills for which remained un- collected that day . . . . .		503.61
Rent of dwelling at City Farm . . . . .	\$136.00	
less water rates . . . . .	15.13	
	<hr/>	120.87
New England Dressed Meat and Wool Co., use of steam road roller . . . . .		36.00
Value of gravel and sand taken from Wild Cat Hill . . . . .		1,537.75
Value of tools and property on hand January 1, 1893 . . . . .		12,214.35
Value of materials on hand January 1, 1893 . . . . .		2,485.00
		<hr/>
Total credit . . . . .		\$76,897.58

## DEBIT.

## Expenditures :—

For laying out Billingham, Fenwick, Henderson Joseph, Miner, Sewall, Windom Sts., Jenny Lind Avenue and York Terrace, (advertising notices of hearings,) . . . .	88.50
--	-------

## Construction of Streets :—

Albion Street, from Central St. to Cedar Street . . . .	\$2,787.80	
Ames Street, from Bartlett Street to Central Street . . . .	454.70	
Crocker Street, from Highland Avenue to Crown Street . . . .	917.05	
Hudson Street, from Central Street to Lowell Street . . . .	1,257.40	
	<hr/>	5,416.95
Street crossings . . . .		2,117.12
Street signs erected . . . .		63.72

## Repairs and improvements of streets and paving of gutters in connection with setting of edgestones :—

Aldrich Street, southwest side, Gilman Street to Railroad, paving . . . .	45.15	
Ames Street, both sides, Central to Bartlett Street, paving . . . .	296.90	
Bow Street, northwest side, Walnut to Wesley Park, paving . . . .	34.25	
Central Street, in front of estate of John Haigh, paving . . . .	38.55	
	<hr/>	
<i>Amounts carried forward</i> . . . .	\$414.85	<hr/> \$7,686.29

<i>Amounts brought forward</i> .	\$414.85	\$7,686.29
Concord Avenue, in front of O. S. Knapp schoolhouse, (resetting) paving . . . .	8.00	
Dana Street, northwest side, Pearl to Otis Streets, paving, repairs . . . . .	263.70 66.50	
Dana Street, in front of estate of G. P. Prior, paving . . . .	55.70	
Day Street, Davis Square to Cambridge Line, paving . . . .	303.25	
Elm street, Broadway to Kenwood Street, paving . . . .	127.50	
Elm Street, Kenwood Street to Summit Street, paving . . . .	77.75	
Flint Street, Cross to Aldrich Street, paving . . . . .	307.68	
Glen Street, westerly side, Oliver to Tufts Street, paving . . . .	224.50	
Grove Street, Lowell Railroad to Morrison Street, paving . . . .	117.25	
Highland Avenue, Davis Square to Grove Street, paving . . . .	89.80	
Jaques Street, southerly side, Chauncy Avenue to Wheatland Street, paving . . . . .	107.30	
Jaques Street, southerly side, Chauncey Avenue to Grant Street, paving . . . . .	121.50	
Medford Street, northerly side, School Street to Stickney Building, paving . . . . .	80.85	
Miner Street, both sides, Vernon . to Ames Street, paving . . . .	92.55	
Morrison Street, in front of estates of Locke, Vose, Philbrick and Lyons . . . . .	55.75	
<i>Amounts carried forward</i> .	<u>\$2,514.43</u>	<u>\$7,686.29</u>

<i>Amounts brought forward</i> .	\$2,514.43	\$7,686.29
Montgomery Avenue, both sides Broadway to Wellington Ave., paving . . . .	175.05	
Newton Street, northwest side, Fitchburg Railroad to Con- cord Avenue, paving . . . .	183.80	
Pearl Street, from No. 159 to Wal- nut Street, paving . . . .	275.70	
Pearl Street, Walnut Street to Gilman Square, paving . . . .	201.65	
Summer Street, Church to Quincy Street, paving . . . .	142.45	
Summer Street, School Street to Bow Street, paving . . . .	328.58	
repairs . . . . .	569.70	
Thurston Street, Medford Street, to Richdale Ave. paving . . . .	224.30	
Walnut Street, Grand View ave. to Pleasant Avenue, paving . . . .	54.95	
Washington Street, front of Parochial School, paving . . . .	60.20	
Wellington Avenue, Walnut Street to Montgomery Ave. paving . . . . .	220.10	
Willow Ave., in front of estate of Wilbur P. Rice, paving . . . .	47.05	
Winslow Avenue, Elm to Grove Street, paving . . . .	96.05	
repairs . . . . .	159.70	
	<hr/>	\$5,253.71
Ordinary repairs of streets :—		
Broadway, from Adams Street to Jenny Lind Avenue . . . .	\$478.70	
Broadway, from Charlestown Line to Cross Street . . . . .	8,996.42	
<i>Amounts carried forward</i> .	\$9,475.12	\$12,940.00

<i>Amount brought forward</i> . . . . .	\$9,475.12	\$12,940.00
Dover Street, from Davis Square to Cambridge Line . . . . .	241.10	
Elm Street, from Davis Square to Willow Avenue . . . . .	3,168.17	
Evergreen Avenue, from School to Marshall Street . . . . .	141.15	
Forster Street, from Central to Sycamore Street . . . . .	225.50	
Glen Street, from Oliver Street to Tufts Street . . . . .	300.60	
Grand View Avenue, from Wal- nut Street to Vinal Avenue . . . . .	451.25	
Grove Street, from Arlington Branch Railroad to Morrison Street . . . . .	288.55	
Jaques Street, from Chauncey Avenue to Wheatland Street . . . . .	177.00	
Maple Avenue, from School Street southeasterly . . . . .	77.35	
Medford street, from Somerville Avenue to Cambridge Line . . . . .	237.49	
Newton Street, from Fitchburg Railroad to Concord Avenue . . . . .	654.60	
Orchard Street, from Meacham Street to Chester Street . . . . .	287.25	
Partridge Avenue . . . . .	93.40	
Temple Street, from Broadway to Sydney Street . . . . .	1,242.55	
Tufts Street, from Cross Street to Washington Street . . . . .	577.10	
Winter Street, from Holland Street to Elm Street . . . . .	300.40	
general repairs . . . . .	10,936.63	
	<hr/>	\$28,875.21
<i>Amount carried forward</i> . . . . .		\$41,815.21

<i>Amount brought forward</i> . . . . .	\$41,815.21
Cost to City of sidewalks the bricks and edgestones, for which were furnished or paid for by the abutters (see Table D at the end of this report) . . . . .	1,270.82
removing snow and ice and care of slippery sidewalks . . . . .	4,883.31
repairs of brick sidewalks . . . . .	1,772.99
cleaning Streets . . . . .	5,963.05
setting trees . . . . .	115.80
trimming trees . . . . .	534.60
plans for enlarging City stables . . . . .	156.00
Glen Street sidewalk assessment . . . . .	98.63
Broadway sewer assessment . . . . .	440.24
constructing driveway at North Street gravel bank . . . . .	292.10
scraping Washington Street after paving . . . . .	73.40
lumber and right of driveway at gravel bank . . . . .	197.10
superintendent's salary . . . . .	1,600.00
board of superintendent's horses . . . . .	417.17
superintendent's telephone . . . . .	12.80
one-half cost of maintenance of Middlesex Av. enue bridge, the other half being paid by the City of Medford . . . . .	377.64
opening of Street at Beacon Terrace . . . . .	10.50
paving around stand pipes . . . . .	120.65
sundry small expenses . . . . .	62.52
books, stationery, and printing . . . . .	43.25
private work, the bills for which remain un- collected . . . . .	1,453.40
<i>Amount carried forward</i> . . . . .	<u>\$61,711.18</u>

<i>Amount brought forward</i> . . . . .		\$61,711.18
Value of materials on hand this day		480.00
Value of tools and personal property on hand this day:— . . . . .		
horses . . . . .	3,300.00	
carts and implements used with horses . . . . .	2,555.00	
harnesses and horse clothing . . . . .	399.00	
stable utensils and property . . . . .	76.35	
tools . . . . .	953.60	
stone crusher, engine and fittings	1,544.00	
steam road roller . . . . .	3,011.75	
	<hr/>	11,839.70
Net loss on tools, property and ma- terials . . . . .		2,225.26
		<hr/>
Total debit . . . . .		\$76,256.14
		<hr/>
Balance unexpended . . . . .		\$641.44
		<hr/> <hr/>

Labor and materials have also been furnished and property sold, for which payment has been received by the City Treasurer or credit received from other accounts. as follows:—

Private parties, constructing driveways and side- walks . . . . .	\$2,167.92
Fire Department Account, constructing drive- way at relief engine house, (Old Brastow School) . . . . .	112.18
Highways—Paving Somerville Avenue Account, use of city teams . . . . .	72.80
Public Grounds Account, repairing Library driveway . . . . .	73.70
Public Property Account, driveway at Prescott School . . . . .	21.90
Sidewalks Account, materials and use of horses	1,582.51
	<hr/>
Total . . . . .	\$4,031.01
	<hr/> <hr/>

<i>Amount brought forward</i> . . . . .	\$41,815.21
Cost to City of sidewalks the bricks and edgestones, for which were furnished or paid for by the abutters (see Table D at the end of this report) . . . . .	1,270.82
removing snow and ice and care of slippery sidewalks . . . . .	4,883.31
repairs of brick sidewalks . . . . .	1,772.99
cleaning Streets . . . . .	5,963.05
setting trees . . . . .	115.80
trimming trees . . . . .	534.60
plans for enlarging City stables . . . . .	156.00
Glen Street sidewalk assessment . . . . .	98.63
Broadway sewer assessment . . . . .	440.24
constructing driveway at North Street gravel bank . . . . .	292.10
scraping Washington Street after paving . . . . .	73.40
lumber and right of driveway at gravel bank . . . . .	197.10
superintendent's salary . . . . .	1,600.00
board of superintendent's horses . . . . .	417.17
superintendent's telephone . . . . .	12.80
one-half cost of maintenance of Middlesex Av. enue bridge, the other half being paid by the City of Medford . . . . .	377.64
opening of Street at Beacon Terrace . . . . .	10.50
paving around stand pipes . . . . .	120.65
sundry small expenses . . . . .	62.52
books, stationery, and printing . . . . .	43.25
private work, the bills for which remain un- collected . . . . .	1,453.40
<i>Amount carried forward</i> . . . . .	<u>\$61,711.18</u>



<i>Amount brought forward</i> . . . . .		\$61,711.18
Value of materials on hand this day		480.00
Value of tools and personal property on hand this day:— . . . . .		
horses . . . . .	3,300.00	
carts and implements used with horses . . . . .	2,555.00	
harnesses and horse clothing . . . . .	399.00	
stable utensils and property . . . . .	76.35	
tools . . . . .	953.60	
stone crusher, engine and fittings	1,544.00	
steam road roller . . . . .	3,011.75	
	<hr/>	11,839.70
Net loss on tools, property and ma- terials . . . . .		2,225.26
		<hr/>
Total debit . . . . .		\$76,256.14
		<hr/>
Balance unexpended . . . . .		\$641.44
		<hr/> <hr/>

Labor and materials have also been furnished and property sold, for which payment has been received by the City Treasurer or credit received from other accounts. as follows:—

Private parties, constructing driveways and side- walks . . . . .	\$2,167.92
Fire Department Account, constructing drive- way at relief engine house, (Old Brastow School) . . . . .	112.18
Highways—Paving Somerville Avenue Account, use of city teams . . . . .	72.80
Public Grounds Account, repairing Library driveway . . . . .	73.70
Public Property Account, driveway at Prescott School . . . . .	21.90
Sidewalks Account, materials and use of horses	1,582.51
	<hr/>
Total . . . . .	\$4,031.01
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The profit and loss account on city teams, tools, property and materials is as follows:—

## CREDIT.

Edgestones and paving stock . . . . .	\$753.72	
Stone Crusher and Fittings . . . . .	159.25	
Lime and cement . . . . .	3.46	
		<hr/>
Total . . . . .		\$916.43

## DEBIT.

Steam road roller (depreciation)	491.75	
Repairs of steam road roller . . . . .	273.61	
Tools (depreciation) . . . . .	341.52	
Repairs of tools . . . . .	262.52	
Holland Street ledge . . . . .	478.08	
Crushed stone (to which amount is charged repairs at crusher)	522.21	
City teams . . . . .	772.00	
		<hr/>
Total . . . . .		\$3,141.69
		<hr/>
Net excess of cost over charges (see page 423) . . . . .		<u>\$2,225.26</u>

No charge has been made for the use of the steam road roller used on the streets, except for the time of the engineer.

Crushed stone used on the streets has been charged at the same rate as previous years, namely, seventy-five cents for each single-horse load at the crusher, and for ballast used, ten cents per single-horse load.

Gravel and sand have been charged at the rate of twenty-five cents for each one-horse load at the bank, being the same price as charged in former years.

Number of loads of gravel taken from North Street bank . . . . .	4,391
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Number of loads of sand taken from North Street bank . . . . .	1,303
Number of loads of stone for crusher from Holland Street ledge . . . . .	3,632
Number of loads of stone for crusher from North Street bank . . . . .	160
Number of loads of stone crushed . . . . .	4,400

The charges to the city teams account are as follows :—

Horses (depreciation) . . . . .	\$1,085.00
Carts and implements used with horses (depreciation) . . . . .	444.00
Repairs of same . . . . .	668.66
Harnesses and horse clothing (depreciation) . . . . .	64.75
Repairs of same . . . . .	563.42
Stable utensils and property . . . . .	40.19
Stable expenses and repairs . . . . .	1,471.20
Grain and feed. . . . .	2,722.33
Hay and straw . . . . .	2,264.66
Horse shoeing . . . . .	644.80
Horse medicine and doctoring . . . . .	166.19
Total . . . . .	\$10,135.20

The above statement does not include the keeping or use of the superintendent of streets' team, the cost of which is kept separately, as stated in the schedule of expenditures. Each horse is credited at the rate of \$1.40 for each day he has worked during the year.

Two new horses have been purchased during the year, at a cost of four hundred and eighty-five dollars, and two horses have died; making the total number of horses in the department, including the two used by the superintendent of streets, the same as last year, namely, twenty-six.

## SIDEWALKS ACCOUNT.

## CREDIT.

Appropriation . . . . .	\$10,000.00
Credit for advertising notices of hearings paid in 1892 . . . . .	25.00
	<hr/>
Total credit . . . . .	\$10,025.00

## DEBIT.

## Expenditures :—

For 36 sidewalks, as per table C at the end of this report . . . . .	\$19,298.65
Abatement of sidewalk assessment Linden Avenue . . . . .	58.54
Thomas Groom & Co., books . . . . .	26.00
	<hr/>
	\$19,383.19
Less assessments . . . . .	9,583.68
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Cost to City . . . . .	\$9,799.51
	<hr/>
Balance unexpended . . . . .	\$225.49
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## EDGESTONES AND PAVING STOCK.

Lineal feet of edgestones set (including 3,654 feet reset), 18,138.4; square yards of brick paving laid (including 3,377 yards relaid), 16,937.6; square yards of stone paving laid, (including 1,226 relaid), 6,093.

HIGHWAYS—PAVING UNION SQUARE AND PARTS  
OF SOMERVILLE AND WEBSTER AVENUES  
ACCOUNT.

## CREDIT.

Balance unexpended Dec. 31, 1892 brought forward . . .	\$4,102.09	
Received from J. A. Merrifield, constructing driveway . . .	23.85	
Total credit . . .		\$4,125.94

## DEBIT.

Wm. H. Gore & Co., on ac- count of contract . . .	\$2,129.94	
extra work . . .	309.62	
Horatio Gore & Co on ac- count of contract . . .	992.23	
extra work . . .	26.50	
labor . . .	250.25	
City teams . . .	72.80	
Total debit . . .		3,781.34
Balance unexpended . . .		\$344.60

### HIGHWAYS.—PAVING WASHINGTON STREET, UNION SQUARE TO MEDFORD STREET ACCOUNT.

#### CREDIT.

Appropriation :	\$24,000.00
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#### DEBIT.

W. H. Gore, on account of contract . . . . .	\$7,731.20	
extra work . . . . .	138.90	
Paving blocks . . . . .	12,253.54	
Edgestones, circles, and flagging	764.49	
Bricks . . . . .	217.00	
Wharfage . . . . .	289.80	
Lumber . . . . .	24.37	
Tools . . . . .	20.00	
Raising fence . . . . .	18.00	
Labor . . . . .	589.35	
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Total debit . . . . .		\$22,046.65
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Balance unexpended . . . . .		\$1,953.35
		<hr/> <hr/>

### PAVING OF UNION SQUARE AND PARTS OF SOMERVILLE AND WEBSTER AVENUES.

During the year the final payments amounting to \$3,122.17 have been paid the contractors, Messrs. Horatio Gore & Company, and Messrs. William H. Gore & Company, which sums were reserved in 1892 under the terms of the contract. The contractors have also been paid for additional work, \$336.12, and the cost of removing the gravel which was placed on the paving during the construction amounted to \$323.05; making the expenditures during the year \$3,781.34. The entire expense for paving said square and avenues has been \$99,857.59.

## PAVING WASHINGTON STREET FROM UNION SQUARE TO MEDFORD STREET.

By authority of an order of the City Council, dated February 23, a contract was made with the Rockport Granite Company for the furnishing of such paving blocks as should be required for the paving of Washington Street, from Union Square to Medford Street. A contract was also made under authority of an order dated May 24, with Mr. William H. Gore for paving said street. The work has been completed at a cost of \$22,453.56, including a balance of \$406.91 which is due the contractor.

### RECOMMENDATION — PAVING.

The committee believes it would be a wise expenditure of money to pave Medford Street from Somerville Avenue to the Fitchburg railroad and also Somerville Avenue from Park Street to Elm Street, and recommends that a portion of said paving be done during the coming year.

### TABLES.

Tables are furnished herewith, giving lists of streets accepted, streets improved, sidewalks constructed for which one-half the cost was assessed, sidewalks constructed the bricks and edgestones for which were furnished by the abutters, driveways constructed at the abutters' expense, and crossings laid.

WILLIAM L. BARBER, *Chairman.*

WILLIAM P. MITCHELL, *Clerk.*

**TABLE A.**  
**STREETS ACCEPTED.**

NAME.	FROM.	TO.	LENGTH IN FEET.
Albion St. . . .	Central St. . . .	Cedar St. . . . .	2,742
Billingham St. . . .	William St. . . . .	Broadway . . . . .	563
Derby St. . . . .	Temple St. . . . .	Grant St. . . . .	1,031
Fenwick St. . . . .	Broadway . . . . .	Heath St. . . . .	340
Hudson St. . . . .	Lowell St. . . . .	Cedar St. . . . .	1,392
Jenny Lind Ave . . .	Medford St. . . . .	Broadway . . . . .	597
Joseph St. . . . .	Newton St. . . . .	Northwesterly	385
Miner St. . . . .	Ames St. . . . .	Vernon St. . . . .	244
Sewall St. . . . .	Grant St. . . . .	Temple St. . . . .	615
Windom St. . . . .	Elm St. . . . .	Summer St.. . . .	300
York Terrace. . . .	Central St. . . . .	Havard Place . . .	267

**TABLE B.**  
**STREETS IMPROVED.**

STREET.	FROM.	TO.	IMPROVEMENT.	FEET.
Broadway . . .	Adams St. . . .	Jenny Lind Ave	Gravelled . . .	500
Broadway . . .	Charlest'n Line	Cross St. . . .	Macadamized . .	2,500
Dana St. . . .	Pearl St. . . .	Otis St. . . .	Gravelled . . .	520
Dover St. . . .	Cambridge Line	Davis Sq. . . .	Macadamized . .	940
Elm St. . . . .	Davis Sq. . . .	Willow Ave. . .	Macadamized . .	2,000
Evergreen Ave .	School St. . . .	Marshall St. . .	Macadamized . .	440
Forster St. . .	Central St. . . .	Sycamore St. . .	Macadamized . .	450
Grand View Ave.	Walnut St. . . .	Vinal Ave. . . .	Macadamized . .	540
Grove St. . . .	Arlington R.R.	Morrison St. . .	Macadamized . .	330
Glen St. . . . .	Oliver St. . . .	Tufts St. . . .	Macadamized . .	700
Jaques St. . . .	Chauncey Ave.	Wheatland St.	Macadamized . .	200
Maple Ave. . . .	School St. . . .	Easterly . . . .	Gravelled . . .	300
Medford St. . .	Somerville Ave.	Cambridge Line	Macadamized . .	1,250
Newton St. . . .	Fitchburg R.R.	Concord Ave. . .	Macadamized . .	600
Orchard St. . .	Meacham St. . .	Chester St. . .	Macadamized . .	900
Partridge Ave. .	Medford St. . .	Broadway . . .	Gravelled . . .	480
Summer St. . . .	School St. . . .	Bow St. . . . .	Macadamized . .	1,100
Temple St. . . .	Broadway . . . .	Sydney St. . . .	Macadamized . .	1,250
Tufts St. . . . .	Cross St. . . .	Washington St.	Macadamized . .	940
Winslow Ave. . .	Elm St. . . . .	Grove St. . . .	Macadamized . .	520
Winter St. . . .	Holland St. . . .	Elm St. . . . .	Macadamized . .	430
Total length	improved	(in feet) . . .	. . . . .	16,890



TABLE C.  
SIDEWALKS CONSTRUCTED WHERE THE MATERIALS AND LABOR WERE FURNISHED BY THE CITY  
AND ONE-HALF THE COST WAS ASSESSED UPON THE ABUTTING ESTATES.

STREET.	SIDE.	FROM.	TO.	FEET OF EDGE-STONES.	YARDS OF BRICKS.	COST.
Ames	Both	Central Street	Bartlett Street	1,103.2	—	\$ 749.88
Berkely	Southerly	School Street	Central Street	—	1,009.3	1,014.00
Bow	Northeasterly	Walnut Street	Wesley Park	90.3	197.7	236.24
Broadway	Southerly	Arthur Street	Edmands Street	—	224.2	277.80
Concord Square	Northerly	In Front of	O. S. Knapp School	—	100.0	104.50
Dana	Westerly	Pearl Street	Bonair Street	715.4	—	644.22
Day	Northwesterly	Davis Square	Cambridge Line	832.6	—	497.92
Elm	Westerly	Chapel Street	Arlington Branch R. R.	—	823.8	799.05
Elm	Westerly	Kenwood Street	Broadway	410.9	—	364.55
Elm	Westerly	Summit Street	Kenwood Street	239.8	—	237.06
Flint	Southerly	Cross Street	Aldrich Street	737.0	—	453.07
Glen	Westerly	Flint Street	Oliver Street	—	138.0	126.50
Glen	Westerly	Oliver Street	Tufts Street	641.9	425.2	856.87
Grove	Westerly	Arlington Branch R. R.	Morrison Street	292.1	—	264.74
HIGHLAND AVE.	Northeasterly	Davis Square	Grove Street	425.0	474.6	714.59
Holland	Westerly	Davis Square	Broadway	14.0	2,496.7	2,264.09
Howe	Northerly	School Street	Marshall Street	—	296.8	325.90
Ivaloo	Southerly	Park Street	Beacon Street	—	443.5	466.05
Jaques	Northerly	Chauncey Avenue	Grant Street	447.3	—	283.95
Jaques	Northerly	Chauncey Avenue	Wheatland Street	210.3	—	160.77
Medford	Southerly	School Street	Stickney Building	379.3	—	263.73
Mills	Both	Walnut Street	Sargent Avenue	—	775.5	735.15
Miher	Both	Vernon Street	Ames Street	515.8	—	406.33
Montgomery Ave.	Both	Broadway	Wellington Avenue	545.5	—	410.84

TABLE C.—Continued.

STREET.	SIDE.	FROM.	TO	FEET OF EDGE STONES	YARDS OF BRICKS.	COST.
Newton	Northwesterly	Fitchburg Railroad	Easterly side of O. S. Knapp Schoolhouse	554.3	369.3	\$711.40
Pearl	Southerly	Walnut Street	Gilman Square	624.8	544.3	932.99
Pearl	Northerly	No. 159 Pearl Street	Walnut Street	943.8	—	709.62
Pleasant Ave.	Southerly	Walnut Street	Vinal Avenue	—	241.0	269.53
Prescott	Across South- erly end	Summer Street	Quincy Street	85.4	93.3	189.78
Prospect Hill Ave.	Westerly	Medford Street	High Street	—	287.8	309.15
Summer	Westerly	Church Street	School Street	308.0	274.2	535.46
Summer	Northeasterly	M. E. Church	Northwesterly Line of Mrs. Lowe's Estate	461.6	954.9	1,333.14
Thurston	Easterly	Broadway	Evergreen Avenue	—	578.9	577.50
Thurston	Both	Medford Street	Richdale Avenue	646.6	—	483.82
Wellington Ave.	Both	Walnut Street	Montgomery Avenue	381.2	—	265.75
Winslow Ave.	Northerly	Elm Street	Grove Street	410.9	—	322.71
Total				12,017.0	10,744.0	\$19,298.65

**TABLE D.**  
**SIDEWALKS CONSTRUCTED WHERE THE EDGESTONES AND**  
**BRICKS WERE FURNISHED OR PAID FOR BY THE**  
**ABUTTERS.**

FOR.	STREET.	FEET OF EDGE- STONES.	YARDS OF BRICKS
Mary A. Aldrich . . . .	246 Broadway . . . .	-	38.
Harrison G. O. Bowers . . . .	Cottage Ave. . . . .	144.7	68.
Samuel A. Brown . . . .	School St. . . . .	66.1	42.
Frank L. Blood . . . .	Aldrich St. . . . .	133.3	-
Manley O. Butler . . . .	202 Broadway . . . .	-	53.8
W. A. Chipman . . . .	21 Wellington Ave. . . .	36.6	-
W. W. Calkins . . . .	24 Wellington Ave. . . .	23.1	-
Barna S. Cole . . . .	22 Dana St. . . . .	34.2	-
James Connors . . . .	196 Broadway . . . .	-	54.
Justina Dennison . . . .	70 Highland Ave. . . .	-	44.4
Charles Drouet . . . .	Bow St. . . . .	-	15.5
Olive H. Durell . . . .	53 Chandler St. . . . .	50.	38.8
Rebecca A. Davlin . . . .	15 Kingman Court . . . .	30.	13.8
H. D. Dodge . . . .	21 Benedict St. . . . .	-	46.
E. G. Dodge . . . .	23 Benedict St. . . . .	16.6	28.5
Gulliver & Moore, Trustees . . . .	Lincoln St. . . . .	-	100.
Myron S. Gott . . . .	Highland Ave. . . . .	67.	9.
Anthony Haderbolets . . . .	Bow St. . . . .	-	72.
Henry E. Harvey . . . .	17 Wellington Ave. . . .	36.	-
Joseph O. Hobbs . . . .	Highland Ave. . . . .	-	100.
John Haigh . . . .	Central St. . . . .	161.7	122.2
Lydia F. Hale . . . .	Dana St. . . . .	28.7	-
George B. Howard . . . .	82 Belmont St. . . . .	52.5	35.5
Joseph W. Litchfield . . . .	181 Broadway . . . . .	-	113.
Samuel C. Lawrence . . . .	Walnut St. . . . .	-	196.6
F. M. Lyons . . . .	44 Morrison St. . . . .	61.3	44.4
Frank A. Loomis . . . .	34 Morrison St. . . . .	59.5	33.3
William A. Muzzey, Agent . . . .	Highland Ave. . . . .	-	2.
Fred E. Morrison . . . .	248 Broadway . . . . .	-	56.3
G. W. Maddox . . . .	193 Broadway . . . . .	-	60.
John W. Martin . . . .	Corner Wellington and Montgomery Ave. . . .	100.	-
W. F. Mansfield . . . .	287 Highland Ave. . . .	87.9	112.2
Christopher T. McGrath . . . .	Washington St. and King- man Court. . . . .	231.5	222.2
A. H. Merrill . . . .	200 Broadway . . . . .	-	53.8
Edward Owler . . . .	19 Wellington Ave. . . .	36.	-
George P. Prior . . . .	Dana St. . . . .	54.3	-
V. R. Pierce . . . .	15 Wellington Ave. . . .	36.	-
Charles C. Payson . . . .	69 Marshall St. . . . .	-	68.4
Heirs of Edgar S. Paine . . . .	Dana St. . . . .	40.6	-
Charles S. Philbrick . . . .	50 Morrison St. . . . .	-	16.6
O. B. Priestley . . . .	11 Kingman Court . . . .	30.	14.
Hattie L. Quinell . . . .	244 Broadway . . . . .	-	38.1
Matthias Rich . . . .	90 Flint St. . . . .	-	27.7
Wilbur P. Rice . . . .	Willow Ave. . . . .	152.9	155.5

TABLE D.—Continued.

FOR.	STREET.	FEET OF EDGE- STONES.	YARDS OF BRICKS.
Lyman B. Rich . . . . .	158 Highland Ave. . . . .	61.4	55.5
C. H. Ramsdell . . . . .	Pearl St. . . . .	72.5	—
John Stackpole . . . . .	242 Broadway . . . . .	—	65.4
Flora C. Spear . . . . .	203 Broadway . . . . .	—	96.
F. E. Shepard . . . . .	191 and 193 Broadway . . . . .	—	41.
Salmon L. Snow . . . . .	17 Howe St. . . . .	—	5.
John J. Sullivan . . . . .	Walnut St. . . . .	—	50.
Margaret A. Scott . . . . .	17 Kingman Court . . . . .	33.6	13.8
George A. Tourtelotte . . . . .	88 School St. . . . .	—	44.4
W. C. Trowbridge . . . . .	13 Kingman Court . . . . .	30.	13.8
Frank Vose . . . . .	42 Morrison St. . . . .	47.5	33.3
George D. Wemyss . . . . .	Dana St. . . . .	43.	—
W. G. Webber . . . . .	36 and 38 Morrison St. . . . .	95.	61.4
S. H. Wilkins . . . . .	Orchard St. . . . .	104.6	60.1
John A. Wessells . . . . .	288 Highland Ave. . . . .	45.	84.4
James Williams . . . . .	22 Wellington Ave. . . . .	23.	—
Samuel F. Woodbridge . . . . .	Elm St. . . . .	—	11.1
Esther O. White . . . . .	Walnut St. . . . .	141.3	85.8
Total . . . . .	. . . . .	2,467.4	2,816.6

TABLE E.

## DRIVEWAYS CONSTRUCTED AT EXPENSE OF ABUTTERS.

FOR.	LOCATION.
Thomas Carey . . . . .	95 Somerville Avenue . . . . .
City of Somerville (Fire Department)	Medford St., opp. Highland Avenue.
City of Somerville (Public Property)	at Prescott Schoolhouse . . . . .
W. O. Francis . . . . .	16 Webster Street . . . . .
Maurice Fitzgerald . . . . .	30 Summer Street . . . . .
Clarence Hunter . . . . .	34 Newbury Street . . . . .
Sarah J. Hall . . . . .	Irving Street . . . . .
G. F. Hodson . . . . .	15 Virginia Street . . . . .
George F. Kendall . . . . .	46 Cedar Street . . . . .
D. B. Mulcahey . . . . .	Tufts Street . . . . .
Walter J. Mower . . . . .	82 Marshall Street . . . . .
North Packing & Provision Co. . . . .	Medford Street . . . . .
J. F. O'Neil . . . . .	135 Linwood Street . . . . .
John P. Squire, Heirs of . . . . .	Medford Street . . . . .
E. W. Taylor . . . . .	49 Dartmouth Street . . . . .
William J. S. Thompson . . . . .	240 School Street . . . . .
S. E. Williams . . . . .	10 Oakland Avenue . . . . .
John M. Woods . . . . .	Spring Street . . . . .
Frank A. Ware . . . . .	54 Dartmouth Street . . . . .
Charles L. Wilder . . . . .	20 Gilman Street . . . . .
Augustus C. White . . . . .	46 Tufts Street . . . . .

## TABLE F.

## CROSSINGS CONTRUCTED.

Bow Street, in line with the easterly side of Walnut Street.

Cutter Square, in line with the easterly side of Russell Street.

Cutter Square, in line with the northerly side of Summer Street.

Elm Street, in line with the southerly side of Summit Street.

Glen Street, in line with the westerly side of Dell Street.

Glen Street, in line with the westerly side of Fountain Avenue.

Glen Street, in line with the westerly side of Oliver Street.

Meacham Street, in line with the northerly side of Orchard Street.

Meacham Street, in line with the southerly side of Orchard Street.

Marshall Street, in line with the westerly side of Evergreen avenue.

Marshall Street, easterly side, in front of Hose Two House.

Orchard Street, in line with the easterly side of Meacham Street.

School Street, in line with the westerly side of Summer Street.

Summer Street, in line with the easterly side of Cutter Avenue.

Webster Street, southerly side, in front of Hose One House.



REPORT  
OF THE  
COMMITTEE ON SEWERS.

## CITY OF SOMERVILLE.

---

IN BOARD OF ALDERMEN, March 14, 1894.

Referred to the committee on printing, to be printed in the annual reports. Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

---

IN COMMON COUNCIL, March 15, 1894.

Concurred in.

CHARLES S. ROBERTSON, *Clerk.*



# CITY OF SOMERVILLE.

IN COMMITTEE ON SEWERS, January 1, 1894.

*To the Board of Aldermen of Somerville:—*

The committee on sewers presents the following final report for the year 1893:—

CREDIT.

Appropriation . . . . .	\$17,000.00	
Unexpended balance of 1892 . . . . .	3,106.25	
	\$20,106.25	\$20,106.25

Receipts and Credits:—

For catch-basin curbs in sidewalks, received credit from sidewalks account . . . . .	45.12	
fee for drainage of Asylum buildings into Fitchburg Street sewer . . . . .	50.00	
fee for draining estates into Elm Street and Line Street sewers	347.20	
labor and materials furnished in 1892, the bills for which re- mained uncollected January 1, 1893 . . . . .	54.65	
dividend from private sewer built in 1890 . . . . .	4.77	
edgestones around catch-basins	8.42	
	510.16	
unpaid bills of 1893 . . . . .		6,115.49
Value of materials on hand, January 1, 1893 . . . . .		168.60
Value of tools and property on hand January 1, 1893		657.45
Total credit . . . . .		\$27,557.95

## DEBIT.

## Expenditures :—

For twenty-six sewers, as per accompanying table . . . .	\$30,771.74	
less assessments . . . .	17,169.80	
	<hr/>	\$13,601.94
sewer Orchard Street, from end of sewer laid in 1881, westerly 75.5 feet, (not assessed) . . . . .		45.23
advertising hearings, sewers Leland Street and Congress Place, (not built) . . . . .		22.50
thirty-eight catch-basins (average cost \$80.04)		3,041.52
five-ninths cost of removing deposit from mouth of Bridge Street sewer . . . . .		1,353.98
rebuilding three catch-basins . . . . .		102.56
abatement of sewer assessments . . . . .		229.86
repairing sewers and drains . . . . .		305.71
flushing sewers and filling catch-basins . . . . .		443.87
cleaning sewers . . . . .		627.39
examining sewers . . . . .		83.77
inspecting house drains . . . . .		665.54
soundings for ledge . . . . .		3.21
repairing catch-basins . . . . .		214.19
examining catch-basins . . . . .		132.25
changing lines and grades of catch-basins . . . . .		254.54
cleaning catch-basins . . . . .		1,685.54
opening mouths of catch-basins . . . . .		274.71
changing lines and grades of manholes . . . . .		132.86
cleaning manholes. . . . .		44.75
cleaning ditches . . . . .		4.13
arranging tools and property . . . . .		22.63
repairs of tools and property . . . . .		38.21
unpaid bills of 1892 . . . . .		2,213.88
books, stationery, and printing . . . . .		41.75
sundry expenses . . . . .		92.06
		<hr/>
<i>Amount carried forward</i> . . . . .		\$25,678.58

<i>Amount brought forward</i> . . . . .	\$25,678.58
Depreciation in value of tools, property and materials . . . . .	192.14
Value of materials on hand Dec. 31, 1893 . . . . .	122.67
Value of tools and property on hand December 31, 1893, (including purchases during the year, \$315.99) . . . . .	823.60
	<hr/>
Total debit . . . . .	\$26,816.99
	<hr/>
Balance unexpended . . . . .	\$740.96

Labor and materials have also been furnished and credit has been received for the same as follows:—

Board of Health, cleaning culverts . . . . .	\$309.63
Miscellaneous account, setting fountain Gilman Square . . . . .	101.63
Public Grounds account, changing grade of catch-basin Broadway Parkway . . . . .	8.37
Public Grounds account, setting stone posts at Cemetery . . . . .	17.22
Public Property account, catch-basin at Cummings School . . . . .	35.74
Puddling sewer trenches . . . . .	10.70
West End Street Railway Co., building manhole Union Square in 1892 . . . . .	43.95
	<hr/>
Total . . . . .	\$527.24

Appended hereto is a table of sewers built during the year.

The sewer in Granite Street, from Somerville Avenue to Osgood Street, which was commenced in 1892, was finished during the year by contract with Charles Linehan at a cost of \$1,083.51, of which \$73.26 was paid from the appropriation of 1892.

The sewer in Paulina Street, Broadway and Liberty Avenue, from Holland Street to near Powder House Terrace, was completed

during the year at an expense of \$18,364.24. Of this sum \$3,855.81 was paid in 1892, under contract for that portion in Paulina Street and Broadway from Holland Street to Wallace Street, and \$680.45 on that part in Broadway between Wallace Street and College Avenue.

The sewer in Orchard Street, from the end of the sewer laid in 1881, was extended westerly 75.5 feet at a cost of \$45.23, for the purpose of connecting with two catch-basins which were much needed, the city bearing the entire expense.

All the sewers which remained unfinished at the close of the year 1892 (see table in annual reports of 1892, page 358) have been finished during the year.

Twenty-six sewers have been constructed during the year, being four in excess of the number built in 1892.

Thirty-eight catch-basins have been built, while in 1892 there were twenty-six.

The bills unpaid (see page 439) amounting to \$6,115.49, are balances on contracts and for drain pipe.

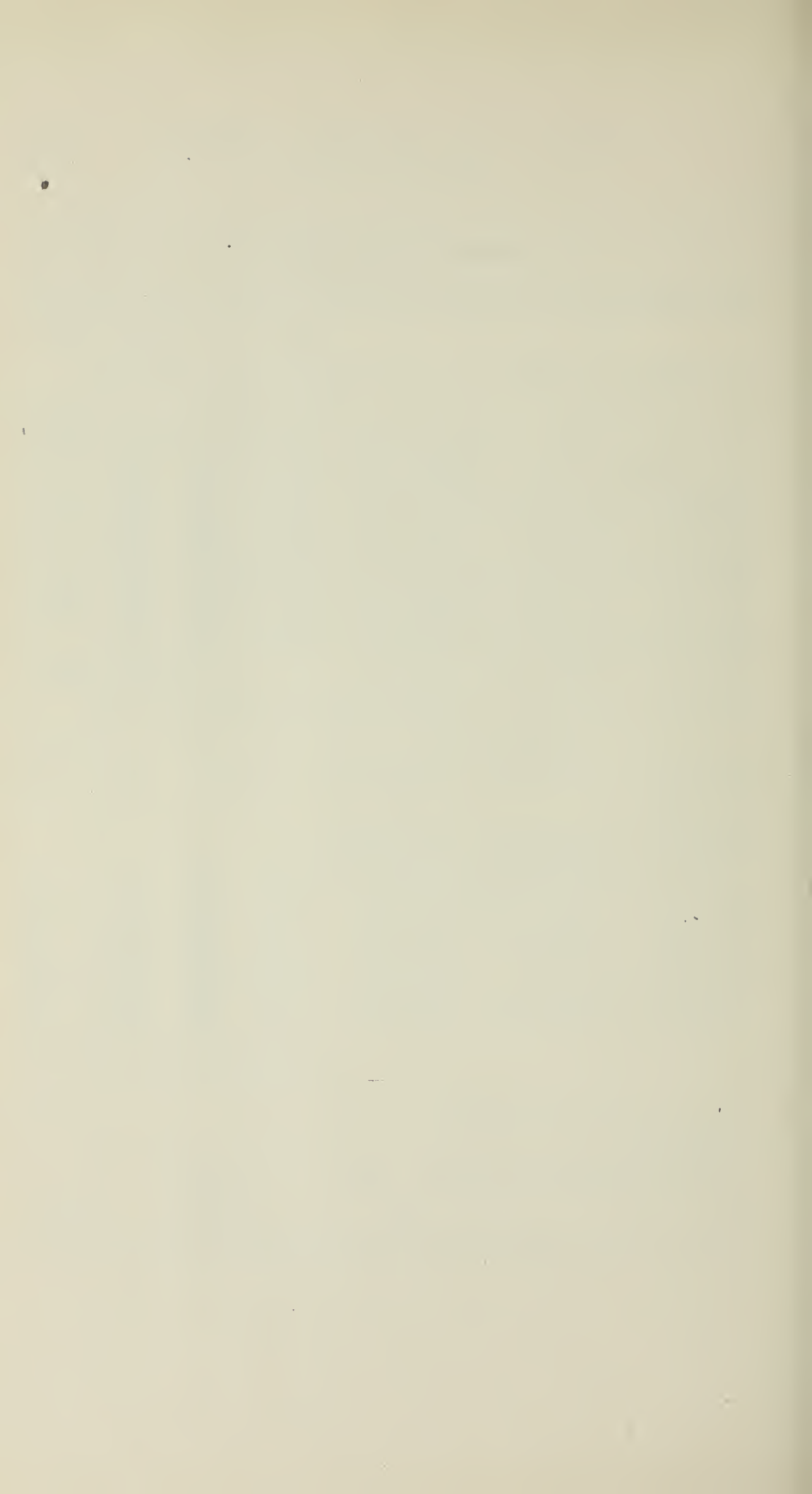
For the committee,

CHARLES B. SANBORN, *Chairman.*

WILLIAM P. MITCHELL, *Clerk.*

SEWERS BUILT IN 1893.

STREET.	FROM.	TO.	LENGTH IN FEET.	TOTAL COST.	ASSESSMENT.	COST TO CITY.
Banks Street	Elm Street	Northeasterly Near Summer Street	362.5	\$ 476.81	\$ 427.08	\$ 49.73
Benton Avenue	Highland Ave.	Summit Street	803.	821.39	820.76	.63
Billingham St.	Broadway	Northeasterly	383.2	969.73	453.69	516.04
Billingham St.	William Street	Near Curtis St.	181.2	678.53	222.30	456.23
Broadway	Paulina Street	Southwesterly	981.3	2,187.54	1,596.48	591.06
Chandler Street	Broadway	Gordonia Road	159.6	265.31	261.44	3.87
Charnwood Road	William Street	Northwesterly	633.	672.48	670.92	1.56
Ellington Road	Highland Ave.	Near Summit St.	252.5	197.11	126.10	71.01
Elm Street	Broadway	Osgood Street	662.4	1,961.88	1,104.30	857.58
Granite Street	Somerville Ave.	Southeasterly	468.	1,083.51	584.29	499.22
Hall Avenue	Elm Street	Near Elm St.	376.2	861.57	431.33	430.24
Kenwood Street	Billingham St.	Cutler Street	220.	742.26	266.28	475.98
Lawrence Street	Wilton Street	Broadway	201.9	176.14	174.80	1.34
Paulina Street, Broadway Liberty Ave.	Holland Street, Paulina Street Broadway	Liberty Ave. near Powder House Ter- race	3,854.7	18,364.24	5,703.13	12,661.11
Private Lands	Albion Street northeasterly & southeasterly	Lowell St.				
Lowell Street	Private Lands	Woodbine St. extension	1,310.6	1,052.62	899.94	152.68
Private Lands and Woodbine St. Centre Street	Lowell Street Woodbine St.	Centre Street near Albion St.				
Richdale Ave.	Essex Street	Southeasterly	172.7	180.74		
Rogers Avenue	Near Morrison Avenue	Frederick Ave.	331.5	403.32	399.16	4.16
School Street	Madison Street	Southwesterly	150.3	180.67	179.14	1.53
Summit Street	Billingham St.	Near Elm St.	161.1	632.90	271.20	361.70
Tower Street	Highland Ave.	Crown Street	586.8	747.00	745.31	1.69
Vine Court	Vine Street	Northwesterly	135.6	57.93	57.66	.27
Wallace Street	Broadway	Southwesterly	160.6	257.92	184.39	73.53
Warwick Street	Cedar Street	Southeasterly	682.	1,861.82	959.23	902.59
West Street	Heath Street	Southwesterly	274.3	377.16	283.37	93.79
Winslow Ave.	Villa Avenue	Northwesterly	120.1	78.34	74.67	3.67
York Terrace	Central Street	Harvard Place	267.9	273.08	272.83	.25
			13,893.0	\$35,562.00	\$17,169.80	\$18,211.46
Less amount paid from appropriation of 1892. (See Annual Reports of 1892, page 358.)		\$4,609.52				4,609.52
And cost of constructing Richdale Avenue Sewer, paid for by abutters and not assessed.		180.74	4,790.26			
Total amount paid from appropriation of 1893,				\$30,771.74		\$13,601.94



REPORT  
OF THE  
CITY ENGINEER.

## CITY OF SOMERVILLE.

---

IN BOARD OF ALDERMEN, February 14, 1894.

Referred to the committee on printing, to be printed in the annual reports. Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

---

IN COMMON COUNCIL, February 15, 1894.

Concurred in.

CHARLES S. ROBERTSON, *Clerk.*



# CITY OF SOMERVILLE.

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OFFICE OF CITY ENGINEER, }  
SOMERVILLE, February 14, 1894. }

*To his Honor the Mayor and the City Council:—*

In compliance with City Ordinance, Chapter 9, Section 9, the following report of the City Engineer for the year ending December 31, 1893, is respectfully submitted:—

## ENGINEERING DEPARTMENT.

The number of persons permanently employed during the year 1893 has been nine. The expenses of the department have been as follows:

Salary of city engineer . . . . .	\$2,400.00
Salary of assistants . . . . .	5,610.53
Supplies . . . . .	167.16
Car fares . . . . .	70.12
Transit . . . . .	260.00
Tapes and plumbs . . . . .	20.42
Use of transit, 1892 and 1893 . . . . .	91.00
Repairs and adjustment of instruments and tools	65.20
	\$8,684.43

The items of expenditures for salaries of assistants are as follows:—

Giving lines and grades for edgestone and brick sidewalks, examining titles of abutters, and computing assessments and cost . . . . .	\$806.89
---	----------

<i>Amount brought forward</i> . . . . .	\$806.89
Giving lines and grades for defining street lines, for grading and macadamizing streets, revising acceptance plans, and examining titles of abutters . . . . .	433.63
Making surveys and giving lines and grades for public sewers, examining titles of abutters, computing assessments and making assessment plans, locating and recording private drains, giving lines and grades for building catch-basins, and rebuilding old sewers . . . . .	1,519.79
Giving lines and grades for laying water-pipe, making surveys and plans, locating and recording locations of mains, services and plans for a wooden building at the High-Service Station. and affixing house numbers to service applications . . . . .	386.40
City survey . . . . .	363.94
Grade and lines, and clerical work for department of public grounds . . . . .	149.62
Surveys and plans, grades, lines Nathan Tufts Park . . . . .	704.07
Preparing plans for numbering streets and affixing street numbers to houses . . . . .	374.79
Indexing note-books and plans and keeping office records . . . . .	173.42
Copying plans at Middlesex Registry of Deeds and work done for the assessors' department . . . . .	65.83
City map . . . . .	93.68
Surveys, lines and grades for street railroads . . . . .	29.23
Surveys and lines for Somerville Electric Light Co. . . . .	6.23
Surveys, plans, grades. lines and estimates for paving Washington Street from Union Square to the easterly line of Medford Street . . . . .	124.84
Miscellaneous, including sketches and plans for police and law departments, to be used in accident and criminal cases, surveys and estimates for the public property department, lines and grades for public buildings . . . . .	378.17
	<hr/>
	\$5,610.52

## CITY SURVEY.

This subject was brought to the attention of the City Council of 1893, in the annual report of the City Engineer for that year. It is not necessary to repeat what was printed in the last report, nor is it hardly possible to make a stronger statement of reasons why some progress should be made during the year 1894.

The laying out of streets, setting edgestone, paving streets, laying sewers, water and gas main, drains and services, can all be better carried on and recorded if some systematic survey is made.

Plans for street widenings and extensions cannot be made, with such information as we now possess, without a great deal of delay by reason of the time taken for making surveys.

Such work, when done in a hurry, is often rough and inaccurate and not of much value. Frequent changes and corrections are required and the quality of the work presented is often of little value to the city, and is no credit to the engineer.

It is probable that the City Council may soon be called upon to discuss the question of requiring all electric lighting, telephone, telegraph and fire alarm wires to be placed under ground in conduits to be built and maintained by the city; and if at any time the City Council should decide in favor of this plan, it would seem that, in view of the extended use made of the streets in this city for electric light, telephone and fire alarm wires, it would be almost impossible to do the necessary engineering work with only the information at present on file in their office, and a new survey would be a necessity. There should be no further delay in this work. I would respectfully call your attention to the annual reports of the city engineer for the year 1891 and 1892, and would recommend that an appropriation of \$500 be made for this purpose.

It will be seen, in the items of expenditure on page 448, that \$363,94 has been spent during the year on work that can be called a part of the city survey. Only such work has been done as was absolutely necessary for the completion of sewer assessment and street numbering plans, and has necessarily been distributed over small areas in widely scattered districts. Under the present method the amount of work done depends entirely on the amount of work done by the sewer department in building new sewers.

## STREET MONUMENTS.

The attention of the City Council of 1893 was called by the city engineer in the annual report of 1892, to the importance of setting stone monuments at street angles and intersections, and a recommendation was made that the sum of \$500 be appropriated for the purpose, but without result.

The importance of properly defining street lines by immovable records of location must be evident to any one at all conversant with municipal affairs. It is not enough that plans shall be filed and note books kept, on which are represented offsets to buildings or fences from street lines.

The buildings shown on office records are often moved; fences are taken down, and the evidences of their existence entirely removed. In such cases, how can the street line be re-established and the identical location be determined? It often happens that the street line cannot be re-established with any assurance that the new location is correct, and if surveys of abutting property were made from the original location, it becomes impossible to reconcile the old survey with one made from a second location of the street line, and disputes and suits arise as a consequence.

Another difficulty under the present system is that offsets from buildings are seldom interpreted by two men alike. As a consequence delays occur and the office is often obliged to do work which private surveyors would do if the street lines were otherwise defined.

To prevent all disputes and provide an immovable location of street lines, stone monuments should be set at deflections in street lines and at intersections. These monuments should be marked with some letter or device, that they may be readily distinguished, and that they may be respected by owners of adjacent estates and be allowed to remain in their original positions.

The attention of the City Council is again called to the reference to this matter in the annual report for the year 1892, and the recommendation is repeated that the sum of \$500 be appropriated for placing stone monuments at such points as may be necessary to properly define street lines.

## OFFICE ACCOMMODATIONS.

The room now occupied by the city engineer's department is entirely too small to properly accomplish the work demanded. The table area is such that, when the whole force is engaged on office work, not half room enough can be found for the plans and materials in use. The cases for filing plans are over-crowded, and plans are liable to injury because of the lack of room, even if the utmost care is taken in handling them.

The safe is so crowded with plans and note-books that it will be impossible to use it another season unless some plans and books are kept on the office tables. The construction of the vault is such that, if the city building were destroyed by fire, the plans and note-books stored therein would be entirely destroyed.

The value of note-books containing surveys made during twenty years, of plans showing the location and depth of sewers and appurtenances, the location of inlets, house drains, the location and depth of ledge in sewer trenches, the amount of sewer assessment with the frontages and areas on which such assessments are based; showing taking of land for sewers and highways; the laying out of streets, dating back to 1860; the subdivision of land of even earlier dates, which plans, if destroyed, could not be duplicated; of plans showing water distribution; of records of sidewalk assessments and of books containing abstracts of deeds dating back to 1872, and compiled for purposes of sewer and sidewalk assessments, cannot be estimated; and, if destroyed, could never be replaced.

If the contents of this vault were destroyed there would then be no record of street lines in existence. A survey of the entire city would be needed before street lines could be re-established, and at a very great expenditure of time and money.

The information recorded on sewer plans could not be duplicated without an enormous expenditure of time and money. It does not seem as though such a detailed description of the value of the office records were necessary, or that so much need be written concerning the importance of providing a suitable fire-proof room for filing plans and books, and the danger to which the city property is subjected every day the matter remains unattended to.

The same arguments were advanced in the annual report

of the city engineer for the year 1892, and no action has yet been taken, yet the arguments then advanced can be used with greater strength to-day than last year.

An urgent recommendation is hereby made that this matter receive the early attention of the City Council, and that immediate steps be taken to afford a fire-proof room for plans and more suitable accommodations for the department.

#### PAVING WASHINGTON STREET.

The condition of the Washington Street roadway from Union Square to Medford Street has been for many years as bad as any city thoroughfare could be. The amount and character of the travel was such that no macadam road could be maintained in safe condition for travel more than a few months without extensive repairs. The cross-section of the roadway was such that there was no crown on the northerly half; and it was so distorted by the grades established for edgestone, and the crown of the street between the car track and the southerly edgestone was so great, that the road surface, as fast as it became worn, was thrown into the gutters, thus preventing drainage and destroying the surface of the road.

During the year Washington Street from Union Square to the easterly line of Medford Street has been paved with granite blocks. The edgestones on both sides of the street have been re-set and the grades adjusted to obtain a proper cross-section of roadway. The sidewalks on both sides of the street were re-laid at the new grades, so adjusted as not to cause any material damage to abutting estates. The changes were made at a nominal expense to the city, the only charge being for re-building fences in front of two estates.

The area between the edgestone and the outside rails of the street railway tracks and the area between the tracks was paved by the city. The area between the rails of each track was paved by the West End Street Railway Co. with blocks furnished by the company.

The pavement was laid on a gravel foundation not less than four inches in depth, the joints filled with gravel and one inch of

gravel spread on the surface after the blocks had been rammed. The edgestones were re-set, pointed on joints and faces, and the brick sidewalks re-paved.

The average cut due to the change in grade was three inches, and the depth of excavation for the gravel foundation was eleven inches; making the total average depth of excavation fourteen inches. The specifications required the blocks to be of the following dimensions:—width,  $3\frac{1}{2}$  to  $4\frac{1}{2}$  inches; length, 8 to 12 inches, to average not less than 10 inches; depth, 7 to 8 inches. The average number of blocks per square yard laid was about twenty-six.

The blocks used by the city were furnished by the Rockport Granite Company and delivered at the wharf of the West End power station, East Cambridge. The crossings were laid with two rows of granite flagging, twenty-four inches wide, and were delivered on the work by the city.

The paving blocks were hauled from the wharf by the contractor and at his expense. The gravel was furnished and delivered by the contractor, and the cost included in the price submitted for paving and regulating.

The contract for paving and regulating was awarded to William H. Gore, and the work was done in a thorough and satisfactory manner. A canvas of bids will be found in Appendix E.

The items of quantities and cost are as follows:—

172, 585 granite blocks, including wharfage, culling, piling, tools, lumber, and sundries . . . . .	\$12,937.93
2,603.1 lin. ft. edgestone reset . . . . .	650.78
46 lin. ft. edgestone furnished and delivered . . . . .	22.60
2,060.8 sq. ft. granite flagging delivered \$0.36 . . . . .	741.89
15,500. bricks delivered . . . . .	217.00
6,667.6 sq. yds. granite block paving . . . . .	6,100.85
2,654.5 sq. yds. sidewalk relaid . . . . .	1,061.80
288.6 sq. yds. crossings laid . . . . .	324.68
Forty-one days inspecting of materials and work . . . . .	205.00
<i>Amount carried forward . . . . .</i>	<u>\$22,262.53</u>

<i>Amount brought forward</i> . . . . .	\$22,262.53
Labor at dump, piling cobble stones from old gutters, and spreading surplus material from excavation . . . . .	135.81
Labor and materials, raising fence at Nos. 224 and 230 . . . . .	18.00
Extra work, re-setting edgestone . . . . .	3.09
Repairing paving . . . . .	12.75
Lumber . . . . .	19.78
Car fares . . . . .	1.60
	<hr/>
	\$22,453.56
The cost of changing grades of catch-basins and manholes was . . . . .	93.71
	<hr/>
Total cost of paving . . . . .	\$22,547.27

#### PLANS AT MIDDLESEX REGISTRY OF DEEDS.

Tracings have been made of all plans of real estate, in Somerville filed at the Registry of Deeds during the past year, and the index of streets, owners and surveyors' names, date and record and number of plans on record has been revised.

A plan and profile has been made showing the established grade of Broadway from the Boston City line to Cross Street.

#### SEWER DEPARTMENT.

Assessments have been levied for thirteen thousand eight hundred and ninety-three linear feet, or two and six-tenths miles of sewers. Of this amount two thousand four hundred thirty-four linear feet were constructed in 1892, under contracts not completed in that year, and were not assessed until 1893. The total cost of construction for which assessments were levied in 1893 was \$35,415.00. The amount of assessments for these sewers was \$17,350.52; the balance, \$18,064.48, was assumed by the city and paid from Funded Debt account.



Fifty-five feet of brick sewer have been rebuilt at a cost of \$150.81, and the cost charged to maintenance account.

The sewer in Paulina Street, Broadway and Liberty Avenue, completed this year, was begun in the fall of 1892. The drainage area of this sewer is about one hundred twenty-nines acres, although but forty-five acres are comprised in the area drained by this sewer with its laterals as constructed to date. Eighty-four acres is comprised in the Tufts College lands; but there is no reason to expect that sewers will be required in this area for a long time.

The lateral sewers have all been constructed in this district. The entire cost of the main sewer with laterals was \$22,639.62, and the cost to the city was \$14,819.99.

The necessity for the construction of the sewer in Private Lands, Lowell Street, Woodbine and Centre Streets, has been urged by the Board of Health and the city engineer for several years. Its completion will obviate a long-continued nuisance.

#### SEWER IN GLEN STREET AND PRIVATE LANDS.

About fifty-five feet of this sewer were rebuilt during the year, and completes the work of rebuilding begun in 1892. The cost of the work done in 1893 was \$150.81, and the total cost of rebuilding was \$742.16.

A description of the original construction of this sewer, the defects in its construction, and the manner of rebuilding will be found in the report of the city engineer for the year 1892.

The total length of public sewers build in the city to January 1, 1894, is two hundred ninety-seven thousand seven hundred thirteen and five-tenths feet.

In Appendix A will be found a table showing the location, size, length, average cut, average cost per linear foot itemized, total cost, assessment, and cost to the city of sewers built in the year 1893.

#### RICHDALE AVENUE SEWER.

This sewer was laid in 1886, by private parties, and at no expense to the city. That part between Essex and School Streets has been relaid by the city, substituting twelve inch pipe for eight inch. A manhole was built near the School Street end.

The change was made because the sewer was too small to properly dispose of the drainage from the houses during heavy rains and to carry the storm water collected in this part of the street.

#### PRIVATE DRAINS.

Four hundred and four permits for laying house drains and thirty for repairs of drains were issued during the year.

Drains have all been located, the locations referred to the house, properly recorded in note-books, plotted on the assessment plans, and indexed.

The cost of the inspection of drains was \$643.66. The inspection of the past year has been more thorough than in years before. More attention has been paid to the manner of laying drains, and the contractor has been required to lay the whole length of the drain from the sewer to the house before back filling; thereby obtaining a better control of the work than has ever been had. More attention has been paid to the method of back filling trenches and to the condition of the surface of the street after the trench is filled.

#### CATCH BASINS.

Thirty-nine catch basins were built during the year at a cost of \$3,077.26. Three have been rebuilt at a cost of \$102.56. The number of catch basins in use January 1, 1894, was seven hundred fifty.

Seventeen catch-basins have been repaired at a cost of \$214.19; an average cost of \$12.60.

The cost of changing the grade and line of thirty-three catch-basins was \$254.54; an average cost of \$7.71 per catch-basin.

Eleven hundred twenty catch-basins were cleaned, 2,280 loads, or 2,670 cubic yards of material were removed and disposed of at a cost of \$1,530.17; an average cost of \$1.37 per basin, \$0.67 per load and \$0.57 per cubic yard.

The cost of removing snow, ice, and street dirt from the openings of catch basins was \$209.00.

Fifteen miles of pipe sewers were flushed at a cost of \$358.12, an average cost per mile of \$23.88, or \$4.52 per thousand feet.

The cost of cleaning outfall ditches at Winthrop Avenue, Austin, North Union, and Waverly Streets was \$226.44.

The material taken from catch-basins and sewers is composed almost entirely of gravel and dirt washed from the street to the gutters, and thence carried by the heavy rains to the catch-basins and sewers. The material which accumulates in the gutters during a rain is washed to the gutters near the catch-basins, and there accumulates and remains until a succeeding rain carries to the catch-basin. This accumulation works injury in two ways; first, by the filling of gutters the storm water runs on the road bed to the injury of its surface, and, second, by an unnecessary increase in the quantity of material and the increased cost of removing it from the sewers.

If the work of cleaning gutters cannot be done by the Highway Department, it would be much cheaper for the Sewer Department to remove the material as it is deposited in the gutters, than to remove it from the catch-basin or sewer.

The cost of changing the grade and line of thirty manholes was \$132.86; an average cost of \$4.43 per manhole.

The cost of cleaning nineteen manhole dirt catchers was \$72.75.

#### BRIDGE STREET OUTLET.

The cost of dredging was . . . . . \$2,437.15

The items of cost are as follows:—

3,361.5 cubic yards material dredged,		
at \$0.65 . . . . .	\$2,184.97	
Labor, advertising, teaming, water,		
and clothing . . . . .	252.18	
	<hr/>	\$2,437.15

Five-ninths of this amount—\$1,353.98—was paid by the City of Somerville, the balance by the City of Cambridge.

#### EXTENSION OF THE WINTHROP AVENUE SEWER.

In the annual report of the city engineer for the year 1888, the attention of the City Council was first called to the necessity for remedying the serious trouble occasioned by the discharge of sewage

at the end of this sewer at Mystic Avenue into an open ditch eight hundred feet long, thence to be discharged into a small creek leading to the Mystic River. It is not necessary that the arguments advanced in 1888 and continued through successive reports should be repeated, but it is hoped that some action will be taken in the line of the suggestion made in previous reports to which your attention is respectfully directed.

The recommendations made in previous years are continued, that some action be taken by the City Council, which will result in abating the serious consequences which may follow if the present outlet is maintained.

#### INTERCEPTING SEWER IN THE LOCATION OF THE BOSTON AND LOWELL RAILROAD.

The urgent need of making some change in the sewerage system of that part of the city between Highland Avenue, Willow Avenue, Broadway, Cross Street, and Medford Street, whereby a different method of storm water disposal may be provided, and an outlet made for considerable areas of unoccupied land which must be provided with sewers on the separate system, has been presented to the City Council in the several annual reports of the city engineer since the year 1888.

In this area several streets have been laid out, and macadamized during the past year, on which there is no way of disposing of storm water except by running the water in the gutters for long distances, or until some point of discharge is found where it can be disposed of through some water course or ditch dug across private land. If the water is run in the gutters for long distances, the gutters soon run overfull, and the surface of the road is washed away. The accumulation of water in the streets inconveniences the public, and the discharge of water from the streets in open ditches through private land frequently results in injury to property.

Storm water cannot be admitted to the sewer in these streets because the main sewers into which they discharge are over-charged, during heavy rain-falls, and a further increase will result in injury to property by the flooding of basements and cellars.

On many sections of this district, no streets can be laid out by the city or buildings erected because the elevation of the land is

below that of the land in the nearest existing sewers, and until this intercepting sewer is built, the land must remain idle.

On many other streets, where separate sewers have been built and no provision made for storm water, complaints are very frequently made that storm water has flooded cellars, and until this sewer is built no remedy can be suggested and such injury must continue.

Many of the existing sewers which were designed to carry storm water are too small; even with rains with moderate intensity, these sewers are often over-charged, the water is forced back through the house drains into the cellars, and a great deal of injury to private property and the health of the occupants may result.

The evils above mentioned will increase from year to year, and if longer delayed, will result in serious injury.

The outlet for this intercepting sewer would undoubtedly be located at the Mystic River near the Middlesex Avenue Bridge; and if the extension of the Winthrop Avenue sewer is to be made as recommended it would be practical and economical to combine the two systems at some point on Middlesex Avenue, and continue in one sewer to the Mystic River.

The attention of the City Council is respectfully directed to the previous reports of the city engineer and the statements there presented and the recommendation made are repeated. Action should be taken at once and the Committee on Sewers authorized to report to the City Council plans and estimates of cost of the construction of this intercepting sewer.

#### CLARENDON HILL DISTRICT.

The area bounded by Holland Street, Broadway, Alewife Brook, the Cambridge City line, Boston & Maine Railroad, (Bedford and Billerica Branch), has no system of sewerage.

Through the southeasterly corner of this district a small stream formerly ran in a westerly direction, and emptied into Alewife Brook. This stream, which now runs in a covered channel from Thorndike Street to the westerly line of Cameron Avenue and continues in an open ditch to Alewife Brook in Cambridge crossing the Cambridge line at a point about eighteen hundred feet east of Alewife Brook, is the channel through which the only method of

sewage and storm water disposal is obtained in this district. Except, that on the higher part of this district, in the immediate vicinity of Holland Street and extending from Cameron Avenue to Elmwood Street, a small area is drained into the Holland Street sewer.

There are in this district forty dwellings that drain into the brook and fifty that drain into cesspools; these dwellings contain about five hundred sixty people. In but very few of these houses is the sewage carried directly to the brook above referred to; in most cases the house drains are connected with cesspools. The subsoil is sand and forms a ready means of disposing of the liquid waste from the houses. Many of these cesspools have been in use several years, and it is probable that the subsoil is becoming gradually filled with waste filtered from them; but whether the filtration has been carried to such an extent as to be dangerous to public health cannot be stated. It is certain that a locality so thickly populated cannot long continue to be free from diseases due to such improper methods of drainage as now exist in this district, and it is certain that some action should be taken at once in the matter of laying sewers, and making connection with these sewers compulsory on the owners of the property effected.

This subject was referred to in the report of the city engineer for the year 1892, but no action was taken by the Committee on Sewers. The Board of Health took the subject under advisement, and on the recommendation of the city engineer, caused about two hundred feet of pipe drain to be laid between Cameron Avenue and Elmwood Street where this brook formerly ran in a wide, shallow, and stagnant stream, among dwelling houses in the most populous part of this district. It was very effective in preventing the accumulation of storm water in the lower parts of this district and more readily disposed of the dry weather flow.

#### HIGHWAY DEPARTMENT.

The following description of work done in the Highway Department has been compiled from the report of the Committee on Highways, the records of this office, and from information obtained from the superintendent. The work has been done under

the direction of Thomas H. Eames, the superintendent, to whom I am indebted for assistance furnished, and to whom I am greatly obliged for his uniform courtesy.

The items of expenditures are as follows:—

The appropriation for highways for 1893 was	\$60,000.00
Add for collections for work done in former years, income from city dwellings and road roller, materials on hand, tools and property, gravel and sand taken from North Street Gravel Bank, and loss on tools and property . . . . .	2,352.62
	62,352.62

The items of expenditure are as follows:—

Laying out streets, advertising notices of hearings	\$88.50
Construction of new streets . . . . .	5,416.95
Street crossings . . . . .	2,117.12
Street signs erected . . . . .	63.72
Repairs and improvement of streets in connection with setting edgetone . . . . .	5,253.71
Ordinary repairs of streets . . . . .	17,938.58
General repairs of streets . . . . .	11,057.28
Cleaning streets . . . . .	5,963.05
Trimming trees . . . . .	534.60
Planting trees . . . . .	115.80
Labor laying brick and edgestone for single estates	1,270.82
Repairs of brick sidewalks . . . . .	1,772.99
Repairs on Middlesex Avenue bridge, and drawtenders' salary . . . . .	377.64
Removing snow and ice from streets and sidewalks	4,883.31
Work done on sidewalks not assessed . . . . .	10.50
Plans for enlarging the City Stables . . . . .	156.00
Sidewalk assessment, Glen Street . . . . .	98.63
	\$57,119.20
<i>Amount carried forward . . . . .</i>	

<i>Amount brought forward</i> . . . . .	\$57,119.20
Sewer assessment, Broadway . . . . .	440.24
Cost of right of way and driveway, North Street gravel bank . . . . .	489.20
Cleaning Washington Street paving . . . . .	73.40
Superintendent's salary, board of horses and telephone . . . . .	2,029.97
Books, stationery, and printing . . . . .	43.25
Sundry expenses . . . . .	62.52
Private work not paid for in 1893 . . . . .	1,453.40
	<hr/>
Total cost of work done . . . . .	\$61,711.18
Balance unexpended . . . . .	641.44
	<hr/>
	\$62,352.62

## EDGESTONE AND BRICK SIDEWALKS.

The appropriation for edgestone and brick side- walks was . . . . .	\$10,000.00
Advertising hearings paid from appropriation of 1892 . . . . .	25.00
	<hr/>
	\$10,025.00
Thirty-six sidewalks laid in 1893 (see Appendix B)	\$19,298.65
Abatements . . . . .	58.54
Books . . . . .	26.00
	<hr/>
	\$19,383.19
Less assessments . . . . .	9,583.68
	<hr/>
Cost to City . . . . .	\$9,799.51
Balance unexpended . . . . .	225.49
	<hr/>
	\$10,025.00



The work done is itemized as follows:—

Fourteen thousand four hundred eighty-four and four-tenths feet of edgestone.

Thirteen thousand five hundred sixty and six tenths square yards of brick sidewalk.

The repairs made on the main avenues in the city were confined to Broadway from the Boston Line to Cross Street, Elm Street, Willow Avenue to Davis Square, and Medford Street from the Cambridge line to Somerville Avenue.

In addition to this, Washington Street was paved from the easterly line of Medford Street to Union Square.

A detailed account of the method and cost of paving will be found under "City Engineer's Department" on page 452.

#### REPAIRS ON BROADWAY.

On that portion of Broadway between the Boston line and Cross Street, the cross section of the roadway previous to the repairs was such that the northeasterly side was about one foot four inches above the southwesterly side. The grade at which the street railway tracks had been laid previous to 1892, was such that the roadway between the northeasterly sidewalk and the car tracks was nearly level in cross section so that water was retained on its surface, and it was impossible to keep it in a decent condition for travel.

In 1892, the street railway tracks were re-laid, and it was deemed advisable at that time to so adjust the grades of tracks and roadway that a correct form of cross section of the street could be made, and the defect in the original construction of the street remedied. On the southwesterly side of the street the old surface was broken up and covered with six inches of broken stone from the Salem Ledge, and one half-inch of gravel. On the northeasterly side, the roadway was graded to sub-grade, and the same depth of broken stone and gravel used.

The material excavated was used in repairing Mystic Avenue.

The cost of the repairs, including teaming of old material removed as stated in the report of the Committee on Highways was \$8,996.42.

The work was done in a thorough manner, and with its completion, the entire roadway from the Boston line to Main Street can now be said to be in excellent condition.

#### ELM STREET.

Elm Street from Willow Avenue to Davis Square was repaired at a cost of \$3,168.17.

The old surface was broken up and covered with four inches of Waltham stone and one-half inch of gravel.

#### PAVING MEDFORD STREET.

Medford St. from the Cambridge City line to Somerville Ave. was repaired at a cost of \$237.49. About four inches of broken stone and one-half inch of gravel were used, previous to which the old surface was removed. This part of Medford Street was repaired in 1892 at a cost of \$1,408.80, and in 1890 from the Cambridge City line to the Fitchburg Railroad at a cost of \$1,235.56. Now, if the cost of repairs on this last named section be increased in the proportion that the distance from the Fitchburg Railroad to Somerville Avenue bears to the length of the section repaired this year, the cost, on the basis of repairs made in 1890, would be \$1,900.00; and the cost of repairs in four years would be \$3,581.45, or an average cost per year of about \$900, a sum sufficient to capitalize \$22,500 at four per cent.

This sum is nearly sufficient to pave this street with granite blocks on a concrete foundation, which, with the cost of setting and re-setting edgestone and relaying brick sidewalks, would not exceed \$27,000.

When it is stated that the repairs made this year were very slight, only sufficient to make the street passable for the time being, it is evident that for a fair comparison the cost of maintenance for four years should be considerably increased, possibly to \$4,700., or an average cost per year of nearly \$1,200., a sum which would exceed the interest on the cost of granite block paving, as above referred to. An important fact to be noticed is, that, so long as this

roadway is macadamized, there will be an annual expense of \$1,200. to maintain its surface in a passable condition ; and, further, that when the surface is once repaired it will not remain so but a few months before it will be worn out. If a granite paving was laid, it would undoubtedly last at least fifteen years without any extensive repairs. It would afford a good road-bed, passable for all kinds of travel at all times of the year.

The attention of the City Council is directed to the reference made to this subject in the report of the city engineer for the year 1892, in which this question is further discussed.

#### REPAIRS AND IMPROVEMENTS OF STREETS IN CONNECTION WITH SETTING EDGESTONES.

Edgestones were set on twenty-five streets. The cost of street repairs per linear foot of edgestone set, including gutters, was \$0.56. The cost of paved gutters per linear foot of edgestone was \$0.34 ; per square yard, \$1.02. The gutters were laid with cobble stone. The cost of macadam road was \$0.30 per square yard. About four inches of stone and one inch of gravel were used.

#### CONSTRUCTION OF STREETS.

The average cost per linear foot of streets constructed in 1893 has been \$1.22 ; per square yard of gravel road, has been \$0.27 ; of macadam road, \$0.37. (See Appendix C.)

#### EDGESTONE AND BRICK SIDEWALKS.

In Somerville, December 31, 1893. 294,719 linear feet, or 55.82 miles of edgestone ; 191,286 linear feet, or 36.23 miles of brick sidewalk.

#### DRINKING FOUNTAIN, GILMAN SQUARE.

A substantial, attractive cast-iron drinking fountain, (with bowls for watering horses and dogs, and faucets and drinking cups for man,) surmounted by a wrought-iron electric light pole, on which has been placed an arc light, has been erected in Gilman Square. The fountain was furnished by M. D. Jones of Boston, and was erected by the Sewer Department.

## MUNICIPAL CONTROL OF GAS LIGHT COMPANIES.

The two companies now supplying this city with gas are authorized by their charters to enter upon any street to lay and repair their mains and service pipes, or for any other purpose connected with this work, and this without asking permission from any city department. The city has no control whatever of these companies; they can enter upon any street at any time, place, season, or opportunity, whether in winter or summer, and are not subject to any restraint as to which side of the street they may occupy, nor is it possible to find any record of the location of mains, except by the courtesy of the officers of these companies. All other companies, whether it be electric light, street railway or telephone, and all other underground constructions, whether water or sewer, are subject to the control of the Mayor and Aldermen or of some of the different departments. In view of the fact that public opinion is strongly in favor of placing all electric lines and wires under ground, the probable future demands of rapid transit which may require subways to be built under some of our thoroughfares, and that a knowledge of the location of gas mains is necessary in order to properly locate all such conduits and subways, and because of the fact that our streets, when once paved or macadamized, should not be disturbed for several years, except in cases of absolute necessity, there should be some action taken whereby the city shall acquire entire control of the rights these gas companies have in the streets, and that some record of the locations taken by these companies shall be made by some city department. I urgently recommend that immediate action be taken by the City Council.

## TABLES.

In Appendix B will be found a table showing the location and cost of edgestone and brick sidewalks and paved gutters, and of roadway constructed in streets where edgestones have been laid.

In Appendix C will be found a table showing the location and cost of street improvements made during the year.

In Appendix D will be found a table showing the length and width of streets accepted in 1893.

In Appendix F will be found a table showing the location and length of public and private streets.

#### STREET NUMBERING.

Previous to May 1, the street numbers on houses were compared with the street numbering plans, corrections and additions were made and numbers were affixed to houses on which no numbers were found.

The preliminary numbering plans made in 1890 have been duplicated in the form of record plans when the office work would permit.

The numbers used were furnished by the city.

#### NATHAN TUFTS PARK.

The work of grading the roads and walks was begun on May 15, and was continued until July 26, when the work was stopped, the appropriation having become exhausted. An additional appropriation was obtained in August, work was resumed August 28, and continued until November 23, when the work was brought to a close, as the appropriation had been again exhausted.

The details of the work done are as follows:—

Both driveways have been completed to the sub-grade from the entrance at Elm Street to the Powder House Terrace; the loam strips between the sidewalks and gutters have been filled with loam; the rubbish and debris from the burned pickle factory buildings and the homestead have been removed; the cellars filled and the adjacent grounds graded to conform with the slopes from the driveway. A considerable quantity of ledge was removed from the site of the homestead.

The Powder House Terrace has been graded from Liberty Avenue westerly about sixty feet. The slopes of the driveway have all been graded and loamed, the walks stoned, and about one-half of the area between the Powder House and Elm Street graded and loamed.

The parapet wall, to be built along the top of the bluff is completed for about one-half its length.

To improve the appearance of the Powder House and to make the walks connecting with the driveways more easy of ascent, it was necessary to grade about two feet below the original surface of the ground. But, as the original foundation was laid only two and one-half feet below the surface, it was necessary, before the grading could be done, that the foundation should be carried down at least four feet below the new surface grade. This was successfully done by excavating in small sections and underpinning with stone as fast as the earth was removed.

The door and window in the Powder House have been rebuilt with granite. Their side walls are carried up vertically and covered with a full centre arch. The stone is of very dark color; the method of cutting and the proportions of the walls and arches are in keeping with the general appearance of the building.

Previous to the time the changes were made, the wall over the door and window was supported by wooden lintels. The settlement occasioned by the deflection of these lintels causes several cracks to appear in the walls. These cracks were filled and pointed after the new work was done.

In removing the old window, parts of an iron hinge were found embedded in the brick work, that were probably used to support shutters at some very early period of its construction. The parts of the old hinge were preserved and are now in this office.

The floor of the Powder House was lowered to conform to the grade of the walks and covered with cement concrete; the inside and outside walls were pointed, and the inside wall covered with two coats of whitewash.

An ornamental wrought-iron grille and door have been placed in the building, and a bronze tablet placed on the door on which are given the names of the Mayor, the Committee on Public Grounds for the year 1893, and the city engineer.

A water service has been laid through the grounds from Elm Street, and a temporary shed erected to provide storage for tools and supplies.

The work remaining to be done consists in paving gutters, macadamizing the driveways and walks, constructing walks on

Elm Street, Broadway and Liberty Avenue, and Powder House Terrace ; grading the slopes and grass areas ; completing the parapet wall ; grading and loaming the top of the bluff ; planting trees and shrubbery and sowing grass seed ; grading and macadamizing Elm Street, Broadway and Liberty Avenue, and the erection of fences on the south boundary line.

The items of expenditure have been as follows :—

Christopher Burke, reserve due on contract of 1892 for grading roads and walks . . . . .		\$870.85
Grading roads and walks,		
labor . . . . .	\$7,011.59	
teaming . . . . .	2,507.73	
	<hr/>	\$9,519.32
Credit teaming charged to Sewer Department . . . . .		71.32
		<hr/>
		9,448.00
Filling . . . . .		786.86
Tool house . . . . .		143.70
Out buildings . . . . .		13.40
Labor on wall . . . . .		713.81
Laying water pipe, labor, pipe and fittings . . . . .		197.59
Lumber and stakes . . . . .		27.02
Tools . . . . .		121.67
Repairing tools . . . . .		50.09
Fence . . . . .		5.84
Repairs on Powder House.		
laying new foundation . . . . .	\$192.52	
pointing inside and out and whitening inside . . . . .	73.30	
cement concrete floor . . . . .	30.08	
Ashlar masonry at window and door . . . . .	696.60	
grille for window and door . . . . .	60.00	
tablet on door . . . . .	35.00	
	<hr/>	1,087.50
		<hr/>
		\$13,466.33

## PUBLIC GROUNDS.

The work done on Public Grounds has been almost entirely in the line of maintenance. At the Somerville Avenue Cemetery some new work was done, and at the Broadway Parkway the improvement begun last year has been completed.

The appropriation for 1893 was \$7,500. Some of the work has not been done that it was expected would be done when the amount to be appropriated was voted upon. A considerable amount of work has been done which was not anticipated during the year, yet the amount expended has been less than the amount appropriated.

## CENTRAL HILL PARK.

The walks and grass have received their usual care. At the battery two additional seats have been placed on the wings, the wooden steps have been rebuilt, the hand-railing extended, the concrete walk in front of the seats widened, and a hand-rail constructed from the steps near Medford Street to near the battery.

## BROADWAY PARKWAY.

The new work done consists in loaming the area maintained by the West End Street Railroad Company, and the erection of a wire fence enclosing the Parkway.

## SOMERVILLE AVENUE CEMETERY.

As the city has recently acquired control of this cemetery, it is proper that a record should be made of what is known concerning its history.

In the year 1804, a piece of land comprising the present cemetery and containing twenty-seven thousand two hundred twenty-five square feet, was deeded by Samuel Tufts to Timothy Tufts, Esq., Nathaniel Hawkins, Esq., Samuel Kent, Samuel Shed, and John Stone, yeomen, all of Charlestown, and their associates, in consideration of one dollar and other causes thereunto moving, paid by the said Tufts, Hawkins, Kent, Shed, and



Stone. The conditions were that the same be improved for no other purpose than for a burying place, and that it be fenced at all times without any cost or expense to the said Samuel Tufts, his heirs or assigns; reserving to himself his heirs or assigns a right in common with said associates to the use of said piece of land for the purpose aforesaid.

The deed was recorded at the Middlesex Registry of Deeds May 31, 1808, in Book 179, page 242.

In 1873, a strip of land four feet wide was taken from the cemetery lot by the widening of Somerville Avenue.

So far as can be ascertained, no deeds of lots in the cemetery were given to those who have used the place for burial purposes. The five owners had tombs or lots, and others who wanted to use the cemetery secured lots from the owners and took possession.

In later years after the death of the original owners, Mr. Samuel T. Frost, the heir of Samuel Tufts, assumed the care of the cemetery, and is said to have given permits when burials were to be made. He spent much time and money on the burial ground, and this way originated the erroneous idea that he was the owner.

In the earlier years of its use the south and west sides were the only portions occupied; the remainder was used by the boys who attended a neighboring schoolhouse. Later, the cemetery began to fill up faster, and between 1850 and 1860 the town buried all its paupers there. From a casual examination of the place it appears as though the lots were all occupied and only occasional burials occur. No plan of lots or list of owners or burials can be found.

The unsightly condition of the cemetery had long been a subject of remark, and the necessity of taking some steps to better control and care for the cemetery had been considerably agitated by the local papers, and in 1892 the Somerville Improvement Society presented a petition to the City Council favoring a city control of the place.

The Committee on Public Grounds reported that the heirs of Samuel T. Frost refused to release to the city, and it did not appear that the control desired could be obtained. The committee reported inexpedient to take any action. In 1893, the mayor was

authorized to petition the General Court for authority to grant and vote such sum as might be needed to care for and enclose the cemetery. This authority was given by chapter 104 of the Acts of the year 1893.

The historical account above given was taken from an article published in the Somerville Journal, dated July 23, 1892, volume 22, No. 35. The following list of the heirs of the original owners was also obtained from the same source.

“The heirs of Timothy Tufts, with their addresses are: Timothy Tufts, corner of Elm Street and Willow Avenue; George Tufts, Arlington Street, near North Avenue, North Cambridge; Mrs. Isaac Tufts, widow of Isaac Tufts, 39 River Street, Cambridgeport; Mrs. Granville Tufts, widow of Granville Tufts, Linden Avenue, corner of Kneeland Street, Malden; and her children, viz.: Jean Tufts, Mrs. Ida Sawyer, and Miss Edith Tufts; Miss Caroline Tufts, 39 River Street, Cambridgeport; Miss L. T. Sawyer, Miss E. M. Sawyer, Miss C. L. Sawyer, and Miss M. A. B. Sawyer, 75 Elm Street; Mrs. E. A. Whitney, 139 North Avenue, Cambridge; and George M. Tufts, Allston Mass.

“The following are the heirs of Nathaniel Hawkins, who died in 1817: Nathaniel C. Hawkins, Lancaster, Mass.; Mrs. Alice C. Mann, widow of Guy C. Hawkins, now remarried, and Mrs. Alice E. Lake, 63 Linden Avenue, Malden; Mrs. Victoria Dorset, Virginia; Mrs. Rebecca Cutler, Northwood, N. H.; Mrs. Eunice Walker, Cambridgeport; Albro Griffin, Washington Street, Somerville; Mrs. W. French Smith, and Miss Hannah M. Griffin, Somerville Avenue; and Mrs. Sophia Hatch. Nathaniel Hawkins had brothers and sisters in Rhode Island, but concerning their descendants nothing has been ascertained.

“The heirs of Samuel Kent, who died in 1835, are: Charles Munroe and Miss Ann E. Munroe, 19 Eliot Street Cambridge; Miss Ella Kent, Appleton Street, Cambridge; Miss Mary Thomas, 48 Green Street, Charlestown; Thomas G. Kent, a lawyer, of Worcester; Miss Mary Kent, Malden; Mrs. Josephine Gillespie, 4 Columbus Avenue, Dorchester; Samuel Davis Kent, Concord, Mass.; Samuel Kent, Lynn; Mrs. Harriet Garrison, Malden; Mrs. Elizabeth Chandler, Worcester; Mrs. Annie K. Varney, Sanborn Avenue, Dorchester; Mrs. Laura Hooper, Brooklyn,

N. Y., at present summering at Castleton, Vt.; Miss Isabel Kent and Mrs. Josephine Copeland, Appleton Street, Cambridge; and Miss Rebecca R. Munroe, inmate of McLean Asylum, Somerville. All of these are grandchildren of Samnel Kent."

Concerning the heirs of Samuel Shed no information can be obtained.

"The heirs of John Stone are: Jonathan Stone, Central Street; Mrs. Richard H. Sturtevant, Walnut Street; Quincy A. Vinal, Aldersey Street; David A. Sanborn, 35 Prospect Street; John W. Vinal, Columbus Avenue; Mrs. Eliza Goodhue, corner of Washington Street and Bonner Avenue; Miss Lucy M. Stone, Central Street; Miss A. Louise Vinal, Walnut Street; Mrs. Marie A. Kidder, Summit Avenue; Mrs. Alice M. Rich, Walnut Street; Arthur P. Vinal, Walnut Street; Miss Martha E. Libby, 38 Columbus Avenue; William H. Bonner, Columbus Avenue; Mrs. Lydia M. Runey, Lexington; Mrs. Margaret F. Burt, 702 Tremont Street, Boston; Alfred E. Vinal, corner Elton and Sagamore Streets, Dorchester; Mrs. Emeline A. Wilder, Madison, N. J.; James Wood and Miss Sarah Wood, North Avenue, Cambridge; Charles W. Vinal; Miss Mary A. Leland, and Mrs. Annie F. Mitchell, Parlin Street, Everett; Warren A. Leland, Lincoln, Neb.; Frederic W. Leland, Englewood, Chicago; Caleb W. Leland, Chicago; Mrs. Annie R. Sanborn, widow of Daniel Sanborn, and Mrs. Mary L. Buchanan, 234 Lincoln Place, Brooklyn; William A. Sanborn, Farmington Avenue, Hartford, Conn.; Frank Warner, Miss Emeline Warner, and Miss Lydia Warner, Hallowell, Me.; and Benjamin Grover, Concord, N. H."

The Mayor and City Council of the City of Somerville was authorized by chapter 104 of the acts and resolves of the Legislature of 1893, to grant and vote such sums as they may judge necessary for the enclosing, care, and improvement of the burial ground on Somerville Avenue known as the "Somerville Cemetery."

The care of the cemetery was placed in charge of the Committee on Public Grounds, and the work of improving the grounds was commenced at once. The shrubbery and trees were trimmed, such portions of the grounds as were not enclosed by fence were covered with loam and seeded, the borders were sodded, the walks and driveways repaired and graded, the open spaces not in use were

ornamented with bedding plants, and the grass has been cut during the season.

A contract was made with W. A. Snow & Co. for a wrought-iron fence to be erected on the front line of the cemetery. The fence is of light, ornamental construction, supported on granite posts. Three entrances are provided; two, ten feet wide, and one, three feet wide. These entrances are furnished with suitable wrought-iron gates.

The granite posts were furnished by the Rockport Granite Company, and were set by the city, by the day. The fence was erected by W. A. Snow & Co. The cost of the stone work in place was \$241.95; the cost of the iron work was \$639.75; the total cost was \$881.70. A tool house was built at a cost of \$36.83.

The act of 1893 above referred to should be supplemented by further legislation enabling the city to obtain entire control of the cemetery and the manner, times, and methods of interment.

If it be found impossible or impracticable to acquire possession by a release or by purchase from the lot owners or holders, the city should be granted authority to make regulations controlling interments and removals in some way that will prevent the indiscriminate use of the lots and tombs, as is now the case.

It is, at least, an open question whether the opening of graves and tombs for removal or interment may not become dangerous to the public health in a situation so nearly central in our city and completely surrounded by buildings; further, by reason of the fact that the cemetery is now in an attractive condition and is open to the public and that children are allowed to go in and out at all times, it would seem that public sentiment demands that, if interments continue to be made, the work should at least be done under some regulation and subject to some inspection as to methods of burial. Some method should be adopted whereby the work already done in improving the grounds may not be ruined by work done by careless workmen who are responsible only to the undertaker.

Interments or removals should not be made without a permit. It would seem that justice requires that burials should not be made without first recording the name of the deceased and the location of the grave; at least, some regulation should be made which will prevent an indiscriminate and possibly illegal use of the graves and

tombs as is possible if undertakers are not restricted and liable to some penalty for a possible unlawful burial.

The lot-holders should be required to keep their lots in order. The fences should be kept painted, the tombs kept in repair, and the lots be kept in as neat a condition as possible.

The items of expenditure on Public Grounds are as follows:—

CITY HALL AND LIBRARY GROUNDS.

*Maintenance.*

Labor, care of walks and grass . . . . .	\$168.63	
Repairing driveways . . . . .	30.35	
Manure and fertilizer . . . . .	4.10	
Plants . . . . .	11.71	
	<hr/>	\$214.79

HIGH SCHOOL GROUNDS.

*Maintenance.*

Labor, care of walks and grass . . . . .	\$62.50	
Repairing driveways . . . . .	43.35	
Grass seed . . . . .	3.43	
	<hr/>	\$109.28

CENTRAL HILL.

*Maintenance.*

Labor, care of walks and grass . . . . .	\$1,041.02	
Horse hire . . . . .	34.50	
Loam, seed, fertilizer, and manure . . . . .	20.45	
Sodding at Battery . . . . .	72.61	
Repairing and painting settees . . . . .	21.70	
Repairing and painting fences . . . . .	57.51	
Tools and property, oil, and repairs . . . . .	33.60	
Plants . . . . .	27.00	
Electric lighting four months . . . . .	40.00	
Police service . . . . .	38.00	
Sand used on snow and ice . . . . .	16.00	
Fence for celebration July 4 . . . . .	23.96	
Repairing tool house . . . . .	29.41	
Rebuilding steps at Battery . . . . .	32.70	
	<hr/>	\$1,488.46
Sewer assessment . . . . .		112.71

ornamented with bedding plants, and the grass has been cut during the season.

A contract was made with W. A. Snow & Co. for a wrought-iron fence to be erected on the front line of the cemetery. The fence is of light, ornamental construction, supported on granite posts. Three entrances are provided: two, ten feet wide, and one, three feet wide. These entrances are furnished with suitable wrought-iron gates.

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Repairing driveways . . . . .	43.35	
Grass seed . . . . .	3.43	
	<hr/>	\$109.

CENTRAL HILL.

*Maintenance.*

Labor, care of walks and grass . . . . .	\$1,041.02	
Horse hire . . . . .	34.50	
Loam, seed, fertilizer, and manure . . . . .	20.45	
Sodding at Battery . . . . .	72.61	
Repairing and painting settees . . . . .	21.70	
Repairing and painting fences . . . . .	57.51	
Tools and property, oil, and repairs . . . . .	33.60	
Plants . . . . .	27.00	
Electric lighting four months . . . . .	40.00	
Police service . . . . .	38.00	
Sand used on snow and ice . . . . .	16.00	
Fence for celebration July 4 . . . . .	23.96	
Repairing tool house . . . . .	29.41	
Rebuilding steps at Battery . . . . .	32.70	
	<hr/>	\$1,488.
Sewer assessment . . . . .		112.

*Improvements.*

Hand rail . . . . .	\$341.19	
Seats at Battery . . . . .	82.91	
Concreting on Battery . . . . .	55.80	
Extending hand rail on Battery . . . . .	29.50	
Wings . . . . .	16.44	
	<hr/>	\$525.84

## BROADWAY PARK.

*Maintenance.*

Labor, care of walks and grass . . . . .	\$1,211.26	
Trimming shrubs . . . . .	41.00	
Trimming trees . . . . .	108.78	
Horse hire, grain and hay, . . . . .	114.83	
Electric lighting, four months . . . . .	80.00	
Police service . . . . .	328.00	
Raising and lowering flagstaff . . . . .	21.00	
Plants and labor . . . . .	81.00	
Tools and repairs of same . . . . .	41.25	
Hose . . . . .	90.50	
Oil . . . . .	1.95	
Loam . . . . .	32.75	
Cleaning outlet of pond . . . . .	6.50	
Manure . . . . .	4.45	
Gravelling walks . . . . .	231.70	
Repairing walks . . . . .	10.00	
	<hr/>	\$2,404.97

*Improvements.*

Signs . . . . .	\$16.43	
Concreting floor of shelter . . . . .	38.07	
Laying blind drains at east end of Park to dispose of surface water, labor . . . . .	76.25	
Materials . . . . .	13.50	
	<hr/>	\$144.25



## BROADWAY PARKWAY.

*Maintenance.*

Labor, care of grass . . . . .	\$223.36	
Repairing tools . . . . .	3.45	
Changing grade of catch-basin . . . . .	8.37	
Re-seeding . . . . .	187.47	
	<hr/>	\$422.65

*Improvements.*

Grading area maintained by West End St. Ry. Co., labor . . . . .	\$304.97	
Loam and teaming . . . . .	204.69	
Manure and teaming . . . . .	18.92	
Seed . . . . .	7.81	
	<hr/>	\$536.39
Credit by amount received from W. E. St. Ry. Co. . . . .	536.39	
	<hr/>	\$000.00

Fence enclosing Parkway, labor . . . . .	\$80.25	
Materials . . . . .	49.32	
Signs . . . . .	16.43	
Lumber . . . . .	11.08	
	<hr/>	\$157.08

## SOMERVILLE CEMETERY.

*Maintenance.*

Care of walks, and grass . . . . .	\$148.62	
Police service . . . . .	25.00	
Plants . . . . .	4.00	
Oil, tools and repairs . . . . .	26.60	
Repairing fences . . . . .	2.29	
Re-seeding . . . . .	13.00	
	<hr/>	\$219.51

*Improvements.*

Cleaning and improving grounds,		
labor . . . . .	170.00	
Use of horse . . . . .	13.75	
Loam . . . . .	86.00	
Manure . . . . .	18.45	
Building tool house . . . . .	36.83	
Relaying entrance driveways . . . . .	40.00	
		<hr/>
	\$365.03	
Credit, amount received from lot owners . . . . .	13.53	
		<hr/>
	\$351.50	
12 stub posts delivered on wharf at \$3.50 . . . . .	\$42.00	
4 gate posts delivered at \$18.00 . . . . .	72.00	
2 corner posts at \$13.00 . . . . .	26.00	
2 gate rests, at \$5.00 . . . . .	10.00	
Teaming posts from wharf . . . . .	10.00	
Labor setting posts . . . . .	54.88	
Cement and teaming . . . . .	27.07	
Iron fence, including gates, in place . . . . .	639.75	
		<hr/>
		\$1,233.20
		<hr/>
Total expenditure, . . . . .		\$7,088.79

## BRIDGES.

*Bridges over the Boston & Lowell Railroad.*

Cross, Central, and Cedar Streets and Broadway bridges. These bridges are all of recent construction, and are in good condition.

## WALNUT-STREET BRIDGE.

This bridge is of very light construction, and is not safe for the condition of travel and the heavy teaming that now pass over the bridge, and is in a generally unsatisfactory condition.

The floor is light and deflects perceptibly under light loads. The southerly abutment has moved toward the tracks, and is not safe.

Action should at once be taken in the matter of requiring the County Commissioners to cause a new bridge to be built this season.

#### SYCAMORE-STREET BRIDGE.

The approaches and bridge are in good condition. The surface water should be collected at each abutment and be diverted into the railroad ditches. Under existing conditions the water runs over the north westerly wing wall, and is washing out the earth behind the wall. The condition of the wall is such that its safety depends upon making the improvement above recommended.

#### *Bridges over the Fitchburg Railroad.*

#### PROSPECT STREET BRIDGE.

The bridge and approaches are in good condition. The northerly abutment is not in as good condition as in 1892 and should be rebuilt.

#### WASHINGTON-STREET BRIDGE.

This bridge is in good condition.

#### BEACON-STREET BRIDGE.

This bridge is in the same condition as in 1892. The southerly abutment shows signs of movement toward the tracks.

#### *Miscellaneous Bridges.*

#### BROADWAY BRIDGE OVER ALEWIFE BROOK.

The retaining walls need pointing, and are in a worse condition than in 1892.

The surface water should be collected in catch-basins and not be allowed to run over and through the walls and the arch.

## BOSTON-AVENUE BRIDGE.

The surface water should be collected and disposed of by means of catch-basins.

It should not be allowed to run through the abutments. The floor stringers are considerably decayed at the ends that rest on the southerly pier, and the sidewalk support is weak on the westerly side of the same pier.

## MIDDLESEX-AVENUE BRIDGE.

The planking on the sidewalk and the easterly pier and the fence rails are considerably decayed, and should be relaid. The faces of the channel way should be replanked, and the cross bracing in the pier be replaced.

## WATER WORKS.

Lines and grades for laying water pipe have been given, and all mains and services laid during the year have been located and recorded in the usual manner.

No extensions of the High Service have been made during the year. The twelve-inch main on Highland Avenue, and the ten-inch main on Summer Street, recommended in the special High Service report of 1889, should be relaid this year. The existing mains in these streets are wrought iron cement lined pipe, and are likely to break at any time under the increased pressure from the High Service, or an unusual consumption of water that may be required should a large fire take place.

The need of a second tank on Winter Hill is as evident as in 1893. The investigations now being made by the State Board of Health in connection with the proposed system of Metropolitan Water Supply may lead to the introduction of a general system of high service to be supplied from pumping works centrally located and distributed over the high lands in the entire Metropolitan District.

The result of the investigation will be submitted to the legislature of 1895 and until some action is taken that will decide the





policy of the State as to the method of furnishing a high service supply in the Metropolitan District it would be wise to defer further action in the matter of purchasing additional land for the location of a second tank, or the purchase of an auxiliary high service pump.

A table showing the location, diameter, and length of pipe laid in 1893 will be found in the report of the Water Board.

A line of sixteen-inch pipe was laid in Mansfield Street and in Prospect Street from Washington Street to Somerville Avenue.

Twelve-inch mains were laid in Elm Street from Willow Avenue to Day Street in place of six-inch pipe; on Willow Avenue from Elm Street to Highland Avenue in place of six-inch pipe; a twelve-inch on Dane Street from Somerville Avenue to the Fitchburg Railroad, and a twenty-inch on Washington Street from Medford Street to Prospect Street in place of eight and twelve-inch.

As will be observed important changes were made in the diameter of the mains as relaid, and are in line with the policy of the Water Board to largely increase the capacity of the works that the increase consumption due to the great increase in population may be provided for.

HORACE L. EATON,  
*City Engineer.*

APPENDIX B.

TABLE SHOWING THE LOCATION AND COST OF EDGESTONE AND BRICK SIDEWALKS, OF PAVED GUTTERS AND ROADWAY CONSTRUCTED IN STREETS WHERE EDGESTONE WAS LAID.

STREET.	SIDE.	FROM	TO	WIDTH OF SIDEWALK.	MATERIALS.			PAVED GUTTERS.		GRAVEL.		MACADAM.	
					Gravel and Edgestones, Lineal Feet.	Bricks, Sq. Yds.	Cost.	Sq. Yds.	Cost.	Sq. Yds.	Cost.	Sq. Yds.	Cost.
Ames . . . . .	Both	Central St.	Bartlett St.	6.67	1,103.2	1,009.3	\$ 749.88	308	\$296.90	..	..	1,300	\$454.70
Berkeley . . . . .	Southwest	School St.	Central St.	6.67	..	1,014.00	..	..	..	..	..	..	..
Bow . . . . .	Northwest	Walnut St.	Wesley Park	7.5	90.3	197.7	236.24	30	34.25	..	..	..	..
Broadway . . . . .	Southwest	Arthur St.	Edmonds St.	15.0	..	224.2	277.80	..	..	..	..	..	..
Concord Square . . . . .	North	E. line Knapp School lot.	W. line Knapp School lot.	6.67	..	100.0	104.50	10	8.00	..	..	..	..
Dana . . . . .	West	Pearl St.	Bonair St.	6.67	715.4	..	644.22	238	233.70	..	..	..	..
Day . . . . .	Northwest	Davis Sq.	Cambridge line	6.67	832.6	..	497.92	278	303.25	..	..	..	..
Elm . . . . .	Northwest	Arlington Br. R. R.	Chapel St.	10.0	..	823.8	799.05	..	..	..	..	..	..
Elm . . . . .	Northwest	Summit St.	Kenwood St.	10.0	239.8	..	237.06	80	77.75	..	..	..	..
Elm . . . . .	Northwest	Kenwood St.	Broadway	10.0	410.9	..	364.55	137	127.50	..	..	..	..
Flint . . . . .	Southwest	Cross St.	Aldrich St.	6.67	737.0	..	453.07	246	307.58	..	..	..	..
Glen . . . . .	Northwest	Tufts St.	Oliver St.	6.67	641.9	425.2	856.87	214	224.50	..	..	1,940	300.60
Glen . . . . .	Northwest	Oliver St.	Flint St.	6.67	..	133.0	126.50	..	..	..	..	..	..
Grove . . . . .	Northwest	Morrison St.	Arlington Br. R.	6.67	292.1	..	264.74	97	117.25	..	..	920	288.55
Highland Ave. . . . .	Northwest	Davis Sq.	Grove St.	10.0	425.0	474.6	714.59	175	89.80	..	..	..	..
Holland . . . . .	Southwest	Davis Sq.	Broadway	10.0	14.0	2,496.7	2,264.04	..	..	..	..	..	..
Howe . . . . .	Northeast	School St.	Marshall St.	6.67	..	296.8	325.90	..	..	..	..	..	..
Ivaloo . . . . .	Southwest	Park St.	Beacon St.	6.67	..	443.5	466.05	..	..	..	..	..	..
Jaques . . . . .	Northeast	Chauncey Av.	Grant St.	6.67	447.3	..	283.95	149	121.50	..	..	..	..
Jaques . . . . .	Southwest	Chauncey Av.	Wheatland St.	6.67	210.3	..	160.77	70	107.30	..	..	445	177.00
Medford . . . . .	Northwest	School St.	W. line Stickney Building	8.33	379.3	..	263.73	126	80.85	..	..	..	..
Mills . . . . .	Both	Walnut St.	Sargent Ave.	6.67	..	775.5	735.15	..	..	..	..	..	..
Miner . . . . .	Both	Vernon St.	Ames St.	6.67	515.8	..	406.33	172	92.55	..	..	..	..
Montgomery Ave. . . . .	Both	Broadway	Wellington Av.	6.67	545.5	..	410.84	182	175.50	..	..	..	..



APPENDIX B — Continued.

STREET.	SIDE.	FROM.	TO.	WIDTH OF SIDEWALK.	MATERIALS.			PAVED GUTTERS.		GRAVEL.		MACADAM.	
					Gravel and Edgestones, Lineal Feet.	Sq. Yds.	Cost.	Sq. Yds.	Cost.	Sq. Yds.	Cost.	Sq. Yds.	Cost.
Newton . . . . .	North	Fitchburg R.	E. line Knapp School lot . . .	6.67	554.3	369.3	\$71 1.40	185	\$183.80	..	..	1,300	\$654.60
Pearl . . . . .	Southwest	Gilman Sq. .	Walnut St. . .	8.33	624.8	544.3	\$62,99	208	201.65	..	..	..	..
Pearl . . . . .	Northwest	Walnut St. .	No. 159 Pearl St.	8.33	943.8	..	709.62	315	275.70	..	..	..	..
Pleasant Ave. . . . .	Southwest	Walnut St. .	Vinal Ave. . . .	6.67	..	241.0	269.53	..	..	..	..	..	..
Prescott . . . . .	South	Summer St. . .	Quincy St. . . .	15.0	85.4	83.3	189.78	28	30.24	..	..	..	..
Prospect Hill Ave.	Northwest	Medford St. .	High St. . . . .	6.67	..	287.8	309.15	..	..	..	..	..	..
Summer . . . . .	Northeast	Wesley Sq. . .	W. line Love	..	..	..	..	..	..	..	..	..	..
Summer . . . . .	Southwest	Church St. . .	Estate . . . . .	7.5	461.6	954.9	1,333.14	154	328.58	..	..	1,680	569.70
Thurston . . . . .	Southeast	Broadway . . .	School St. . . .	7.5	308.0	274.2	363.46	103	112.21	..	..	..	..
Thurston . . . . .	Both	Medford St. .	Evergreen Av. .	6.67	646.6	578.9	577.50	..	..	..	..	..	..
Wellington Ave. . .	Both	Walnut St. . .	Richdale Av. . .	6.67	410.9	..	483.82	216	224.30	..	..	..	..
Winslow Ave. . . . .	Northeast	Elm St. . . . .	Montgomery Av.	6.67	..	..	265.75	127	220.10	..	..	1,160	159.70
Winslow Ave. . . . .	Northeast	Elm St. . . . .	Grove St. . . . .	6.67	..	..	322.71	137	96.05	..	..	..	..
Totals . . . . .					12,017.0	10,744.0	\$19,298.65	4,045	\$4,100.81	580	\$66.50	8,745	\$2,604.85

## APPENDIX C.

TABLE SHOWING LOCATION AND COST OF STREET IMPROVEMENTS.

NAME OF STREET.	GRAVEL.		MACADAM.	
	Sq. Yds.	Cost.	Sq. Yds.	Cost.
Albion . . . . .	..	..	7,610	\$ 2,787.80
Broadway, (Charlestown line to Cross Street) . . . . .	..	..	13,890	8,996.42
Broadway, (Adams St. to Jenny Lind Avenue) . . . . .	2,500	\$ 478.70	..	..
Crocker . . . . .	1,470	1,033.30	..	..
Dover . . . . .	..	..	2,090	241.10
Elm, (Davis Sq. to Willow Ave.) Evergreen Ave. (School Street to Marshall Street) . . . . .	..	..	7,780	3,168.17
Forster . . . . .	..	..	980	141.15
Grand View Avenue . . . . .	..	..	1,000	225.50
Hudson, (Central St. to Lowell St.) Maple Avenue . . . . .	..	..	1,200	451.25
Medford, (Somerville Avenue to Cambridge line) . . . . .	830	77.35	3,800	1,257.40
Orchard, (Meacham St. to Chester Street) . . . . .	..	..	..	..
Partridge Avenue, (Medford Street to Broadway) . . . . .	..	..	4,170	237.49
Temple, (Broadway to Sidney St.) Tufts . . . . .	1,330	93.40	2,000	287.25
Winter . . . . .	..	..	5,550	1,242.55
	..	..	2,100	577.10
	..	..	950	300.40
Totals . . . . .	6,130	\$1,682.75	53,120	\$19,913.58

APPENDIX D.  
STREETS ACCEPTED IN 1893.

NAME OF STREET.	FROM	To	Width in Feet.	Length in Feet.
Albion . . . .	Central St. . .	Cedar St. . .	40	2,742
Billingham . .	Broadway . .	William St. .	40	563
Derby . . . .	Wheatland St. .	Temple St .	40	1,031
Fenwick . . . .	Broadway . .	Heath St. . .	40	340
Hudson . . . .	Lowell St. . .	Cedar St. . .	40	1,392
Jenny Lind Ave.	Medford St. . .	Broadway . .	40	597
Joseph . . . .	Newton St. . .	Northwesterly	40	385
Miner . . . . .	Vernon St. . .	Ames St. . .	40	244
Sewall . . . . .	Grant St. . .	Temple St. .	40	615
Windom . . . .	Elm St . . . .	Summer St. .	40	300
York Terrace .	Central St. . .	Harvard Place	40	267

APPENDIX E.

CANVASS OF BIDS FOR PAVING WASHINGTON STREET FROM UNION SQUARE TO EASTERLY LINE OF MEDFORD STREET, MAY 23, 1893.

QUANTITIES.	SOULE, DILLINGHAM & Co.		HORATIO GORE & Co.		ALBERT A. LIBBY & Co.		WM. H. GORE.	
	Price	Amount.	Price	Amount.	Price	Amount.	Price	Amount.
6400 sq. yards paving	.95	\$6,080.00	.95	\$6,080.00	.96	\$6,144.00	.915	\$5,856.00
2660 lineal feet edge-stones set and reset	.27	718.20	.25	665.00	.25	665.00	.25	665.00
2800 sq. yards sidewalk relaid . . . ,	.45	1,260.00	.45	1,260.00	.39	1,092.00	.40	1,120.00
225 sq. yards crossing relaid . . . . .	\$1.25	281.25	\$1.20	270.00	\$1.07	240.75	\$1.125	253.12
Totals . . . . .		\$8,339.45		\$8,275.00		\$8,141.75		\$7,894.12

APPENDIX F.

TABLE SHOWING THE LOCATION, LENGTH, AND WIDTH OF PUBLIC AND PRIVATE STREETS.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Adams	Broadway	Medford St.	Public.	40	900	-
Adrian	Marion St.	Joseph St.	Private.	40	-	530
Albion	Central St.	Cedar St.	Public.	40	2,742	-
Albion	Broadway	Medford Line	Private.	50	-	100
*Albro	Hollis St.	Southwesterly	Private.	30	-	410
Aldersey	Walnut St.	Vinal Ave.	Public.	40	508	-
Aldrich	Pearl St.	B. & L. R. R.	Public.	40	611	-
Alfred	Broadway	Medford Line	Private.	50	-	50
Allen	Somerville Ave.	Charlestown St.	Private.	25	-	680
Allen Ct.	Park St.	Northwesterly	Private.	20	-	150
Alpine	Cedar St.	Southeasterly	Private.	30	-	670
Alston	Cross St.	Shawmut Place	Private.	40	-	420
Ames	Bartlett St.	Robinson St.	Public.	40	580	-
Appleton	Willow Ave.	Clifton St.	Public.	40	510	-
Appleton	Clifton St.	Liberty Ave.	Private.	40	-	120
Arlington	Franklin St.	Lincoln St.	Public.	40	440	-
Arnold Ct.	Beacon St.	Northeasterly	Private.	10	-	115
Arthur Ct.	Linden St.	Easterly	Private.	about 10	-	100
Arthur	Broadway	Bonair St.	Public.	40	438	-
Ashland	Summer St.	Sartvell Ave.	Private.	30	-	470
Asylum Ave.	Washington St.	McLean Asylum	Private.	about 30	-	2,000
Atherton	Central St.	Beech St.	Private.	40	-	264
Auburn Ave.	Cross St.	B. & L. R. R.	Private.	30	-	600
Austin	Broadway	Mystic Ave.	Public.	40	680	-
Autumn	Broadway	Bonair St.	Private.	20	-	420
Avon	School St.	Central St.	Private.	40	-	1,360
Avon Place	Cross St.	B. & L. R. R.	Private.	25	-	150
Ayer Ave.	Morrison Ave.	Boston Ave.	Private.	70	-	1,500
Banks	Elm St.	Summer St.	Private.	40	-	639
Bartlett	Vernon St.	Broadway	Private.	40	-	1,550
Bartlett	Washington St.	Asylum Gr'ds	Private.	20	-	200
Bay State Ave.	Broadway	Fosket St.	Private.	40	-	1,197
Beach Ave.	Webster Ave.	Columbia St.	Private.	about 20	-	200
Beacon Place	Beacon St.	Northeasterly	Private.	15	-	200
Beacon	Cambridge Line	Somerville Ave.	Public.	66	6,100	-
Bean's Ct.	Cutter St.	Southeasterly	Private.	16	-	100
Bedford	South St.	Cambridge Line	Private.	30	-	160
Beech	Somerville Ave.	Spring St.	Public.	40	800	-
Bellevue Terrace	Albion St.	Northeasterly	Private.	20	-	90
Belmont	Somerville Ave.	Highland Ave.	Public.	40	2,175	-
Belmont Place	Belmont St.	Southeasterly	Private.	25	-	175
Benedict Ave.	Broadway	Benedict St.	Private.	20	-	200
Benedict	Union St.	Austin St.	Public.	40	600	-
Bennett Ct.	Bennett St.	Prospect St.	Private.	10	-	100
Bennett	Prospect St.	Bennett Ct.	Private.	40 to 25	-	400
Benton Ave.	Summer St.	Hudson St.	Private.	40	-	1,210
Berkeley	School St.	Central St.	Public.	40	1,360	-
Berwick	Lawrence St.	Northwesterly	Private.	20	-	170
Bigelow	Boston St.	High St.	Private.	50	-	203
Billingham	Broadway	William St.	Public.	40	563	-
Bishop's Place	Glen St.	Easterly	Private.	10	-	75
Blaikie Ct.	Somerville Ave.	Northeasterly	Private.	24	-	110
Blakeley Ave.	Winthrop Ave.	Cross St.	Private.	40	-	630
Bleachery Ct.	Somerville Ave.	Fitchburg R. R.	Private.	30	-	450
Bolton	Oak St.	Houghton St.	Private.	40	-	500
Bonair	Cross St.	Walnut St.	Public.	40	1,470	-
Bond	Broadway	Jaques St.	Public.	40	640	-
Bonner Ave.	Washington St.	Columbus Ave.	Public.	40	450	-
Boston Ave.	Medford Line	Mystic River	Public.	60	910	-

\*Proposed.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
*Boston Ave.	Cedar St.	Medford Line	Private.	50	-	1,200
Boston	Washington St.	Prospect Hill Av	Public.	45	630	-
Boston	Prospect Hill Av	Walnut St.	Public.	40	1,250	-
Bow	Union Sq.	Wesley Sq.	Public.	60	600	-
Bow	Wesley Pk.	Somerville Ave.	Public.	50	500	-
Bowdoin	Washington St.	Southerly	Private.	40	-	370
Bow St. Pl.	Bow St.	Northwesterly	Private.	40	-	300
Bradford Ave.	School St.	Southeasterly	Private.	40	-	150
Bradley	Pearl St.	Walter St.	Private.	40	-	765
Brastow Ave.	Lowell St.	Porter St.	Public.	40	686	-
Broadway	Charlest'n Line	Cross St.	Public.	100	2,590	-
Broadway	Cross St.	Marshall St.	Public.	100 to 200	2,060	-
Broadway	Marshall St.	Main St.	Public.	100	1,570	-
Broadway	Main St.	Top of Hill	Public.	100 to 90	1,030	-
Broadway	Top of Hill	Albion St.	Public.	90	2,540	-
Broadway	Albion St.	Willow Ave.	Public.	90 to 70	1,030	-
Broadway	Willow Ave.	Paulina St.	Public.	70	3,250	-
Broadway	Paulina St.	Arlington Line	Public.	65	3,220	-
Broadway Pl.	Broadway	Southwesterly	Private.	22	-	250
Brook	Glen St.	Cross St.	Public.	40	500	-
Brook	Dover St.	Northerly	Private.	40	-	200
Browning Road	Sycamore St.	Central St.	Private.	40	-	679
Buckingham	Beacon St.	Dinick St.	Public.	40	300	-
Burnside Ave.	Elm St.	Summer St.	Private.	40	-	720
Caldwell Pl.	Washington St.	Southerly	Private.	20	-	210
Calvin	Beacon St.	Dimick St.	Private.	40	-	250
Calvin	Dimick St.	Washington St.	Private.	30	-	395
Cambria	Central St.	Benton Ave.	Private.	40	-	488
Cameron Ave.	Holland St.	Cambridge Line	Private.	60	-	1,000
Campbell Pk.	Meacham St.	Kingston St.	Private.	40	-	395
Campbell Pk. Pl.	Campbell Pk.	Arlington Br.R.	Private.	20	-	84
Carlton	Somerville Ave.	Lake St.	Public.	40	300	-
Carver	Porter St.	Northwesterly	Private.	40	-	156
Cedar	Elm St.	Broadway	Public.	40	4,150	-
Cedar Ave.	Cedar St.	Linden Ave.	Private.	22	-	290
Cedar St. Pl.	Murdock St.	Southwesterly	Private.	20	-	220
Central	Somerville Ave.	Summer St.	Public.	33	1,150	-
Central	Summer St.	Medford St.	Public.	40	2,480	-
Central	Medford St.	Broadway	Public.	45	1,070	-
Centre	Albion St.	B. & L. R. R.	Private.	35	-	200
Chandler	Park Ave.	Broadway	Public.	40	1,232	-
Chapel	Elm St.	Chandler St.	Public.	40	273	-
Chapel Ct.	Sycamore St.	Northwesterly	Private.	12	-	130
Charles	Washington St.	Asylum Gr'nds	Private.	30	-	200
Charlestown	Allen St.	Easterly	Private.	15	-	400
Charnwood Road	Willow Ave.	Gordonia Road	Private.	40	-	588
Chauncey Ave.	Broadway	Mystic Ave.	Public.	50	1,320	-
*Chelsea	Mystic Ave	Melrose St.	Private.	50	-	1,390
Cherry	Elm St.	Highland Ave.	Public.	45	1,450	-
Chester	Elm St.	Cambridge Line	Public.	40	850	-
Chester Ave.	Medford St.	Angle	Public.	about 22	220	-
Chester Ave.	Angle	Cross St.	Private.	20	-	445
Chester Pl.	Chester St.	Northwesterly	Private.	40	-	200
Chestnut	Poplar St.	Southeasterly	Private.	40	-	540
Church	Summer St.	Somerville Ave.	Public.	40	560	-
Church (south)	Somerville Ave.	Lake St.	Public.	40	340	-
Church St. Pl.	Church St.	Northwesterly	Private.	25	-	170
Claremon	Holland St.	Cambridge Line	Private.	40	-	560
Clarendon Ave.	Broadway	Cambridge Line	Private.	40	-	1,210
Clark	Newton St.	Northwesterly	Private.	35	-	450
Clifton	Appleton St.	Morrison St.	Public.	40	240	-
Clifton	Morrison St.	Arlington Br.R.	Private.	40	-	220
Clyde	Cedar St.	Murdock St.	Private.	30	-	600
College Ave.	Broadway	Medford Line	Public.	50	1,700	-

\*Proposed.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Columbia	Glass House Ct.	Cambridge Line	Private.	40	-	550
Columbia Ct.	Columbia St.	Webster Ave.	Private.	9	-	150
Columbus Ave.	Land of Clark.	Walnut St.	Public.	40	1,000	-
Columbus Ct.	Washington St.	Northerly	Private.	30	-	100
Concord Ave.	Prospect St.	Leon St.	Public.	40	1,500	-
Concord Ave.	Leon St.	Beacon St.	Private.	30	-	470
Congress Pl.	Linwood St.	Southwesterly	Private.	16	-	200
Conlon Ct.	Columbia St.	Easterly	Private.	20	-	200
Conwell	Highland Ave.	Southwesterly	Private.	35	-	360
Conwell Ave.	Curtis St.	Westerly	Private.	40	-	600
Cook	Marion St.	W. So. Wyatt St.	Private.	40	-	450
Cooney	Beacon St.	Line St.	Private.	26	-	220
Cottage Ave.	Russell St.	Chester St.	Public.	40	500	-
Cottage Pl.	Washington St.	Northwesterly	Private.	about 11	-	150
Craigie	Somerville Ave.	Summer St.	Public.	50	1,250	-
Crescent	Washington St.	Pearl St.	Private.	30 to 38	-	650
Crocker	Highland Ave.	Crown St.	Public.	40	528	-
Cross	Medford St.	Broadway	Public.	45	2,650	-
Cross	Broadway	Mystic Ave.	Public.	40	1,100	-
Crown	Porter St.	Lowell St.	Private.	30	-	700
Curtis	Broadway	Medford Line.	Public.	40	2,300	-
Cutler	Lawrence St.	Northwesterly	Private.	20	-	170
Cutter	Broadway	Webster St.	Public.	40	740	-
Cutter Ave.	Summer St.	Highland Ave.	Private.	40	-	450
Cypress	Central St.	Beech St.	Private.	40	-	262
Dana	Bonair St.	Pearl St.	Public.	40	690	-
Dane	Somerville Ave.	Washington St.	Public.	40	1,270	-
Dane Ct.	Dane St.	Easterly	Private.	30	-	600
Dartmouth	Medford St.	Broadway	Public.	40	1,450	-
Day	Elm St.	Cambridge Line	Public.	40	940	-
*Dean Ave.	Morrison Ave.	Boston Ave.	Private.	40	-	1,145
Delaware	Aldrich St.	Pearl St.	Private.	40	-	450
Dell	Glen St.	Tufts St.	Private.	40	-	465
Derby	Temple St.	Wheatland St.	Public.	40	1,031	-
Dexter	Broadway	Medford Line	Private.	50	-	25
Dickinson	Springfield St.	Beecon St.	Public.	40	770	-
Dimick	Concord Ave.	Calvin St.	Private.	40	-	860
Distillhouse	South St.	Cambridge Line	Private.	35	-	150
Dix Pl.	Linwood St.	Southwesterly	Private.	10	-	100-
Dover	Elm St.	Cambridge Line	Public.	40	940	-
Dow	North St.	Easterly	Private.	40	-	645
Downer Pl.	Downer St.	B. & L. R. R.	Private.	20	-	125
Downer	Nashua St.	Southeasterly	Private.	20	-	120
Durham	Beacon St.	Hanson St.	Private.	40	-	450
Earle	South St.	Fitchburg R. R.	Private.	30	-	500
Eastman Pl.	Highland Ave.	Southwesterly	Private.	40	-	300
East Newton	Prospect St.	Webster Ave.	Public.	25	470	-
*Edgeworth	Mystic Ave.	Melrose St.	Private.	50	-	1,380
Edmands	Broadway	Southwesterly	Private.	40	-	440
Eliot	Vine St.	Park St.	Public.	40	260	-
Ellington Road	Highland Ave.	Northeasterly	Private.	35	-	120
Ellington Road	West St.	Northwesterly	Private.	30	-	405
Ellsworth	Cross St.	Rush St.	Public.	40	210	-
Elm Ct.	Villa Ave.	Northwesterly	Private.	18	-	70
Elm Pl.	Harvard St.	East'ly & west'ly	Private.	30	-	400
Elm	Somerville Ave.	Cherry St.	Public.	63	1,500	-
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.	Medford Line	Public.	60	4,300	-
Elmwood	Holland St.	Cambridge Line	Private.	40	-	970
Elston	Elm St.	Summer St.	Public.	40	396	-

\* Proposed.

STREET.	FROM.	TO.	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Emerson	Everett St.	Newton St.	Private.	30	-	170
Emery	Fitchburg R. R.	South St.	Private.	30	-	530
Endicott Ave.	Broadway	Southwesterly	Private.	40	-	800
Essex	Medford St.	Richdale Ave.	Public.	40	232	-
Eustis	Beacon St.	Southwest	Private.	30	-	150
Everett	Webster Ave.	Newton St.	Private.	30	-	350
Everett Ave.	Cross St.	Dana St.	Public.	40	800	-
Evergreen Ave.	Marshall St.	Sycamore St.	Public.	40	1,320	-
Evergreen Sq.	Porter St.	Southeasterly	Private.	8	-	200
Fairlee	Cherry St.	Northwesterly	Private.	30	-	150
Fairmount Ave.	Curtis St.	Northwesterly	Private.	40	-	700
Fanning Ave.	Highland Ave.	Lexington Ave.	Private.	50	-	375
Farragut Ave.	Broadway	Southwesterly	Private.	40	-	840
Fenwick	Broadway	Heath St.	Public.	40	340	-
Fisk Ave.	Hinckley St.	Lowell St.	Private.	20 & 25	-	460
Fitchburg Ct.	Fitchburg St.	Southeasterly	Private.	10	-	225
Fitchburg	Linwood St.	B. & L. R. R.	Private.	40	-	400
Fitchburg	Linden St.	Easterly	Private.	20	-	300
Flint Ave.	Flint St.	Northerly	Private.	40	-	200
Flint	Franklin St.	Aldrich St.	Public.	40	1,773	-
Florence	Washington St.	Perkins St.	Public.	40	1,280	-
Folger	Broadway	Fairmount Ave.	Private.	40	-	280
Forrest	Beacon St.	Cambridge Line	Public.	40	150	-
Forster	Sycamore St.	Central St.	Private.	30	-	430
Fosket	Willow Ave.	Liberty Ave.	Private.	40	-	670
Fountain Ave.	Cross St.	Glen St.	Private.	30	-	550
Francesca Ave.	Elm St.	Liberty Ave.	Public.	40	762	-
Francis	Porter St.	Conwell St.	Private.	30	-	180
Franklin Ave.	Washington St.	Franklin St.	Private.	20	-	500
Franklin Ct.	Somerville Ave.	B. & L. R. R.	Private.	-	-	200
Franklin Place	Franklin St.	Southeasterly	Private.	15	-	100
Franklin	Broadway	Washington St.	Public.	40+	2,230	-
*Frederick Ave.	Willow Ave.	Cedar St.	Private.	45	-	1,360
Fremont	Main St.	Northeasterly	Private.	40	-	600
Fremont Ave.	Parker St.	Easterly&west'y	Private.	30	-	235
Frost Ave.	Somerville Ave.	Dane St.	Private.	35	-	550
Garden Ct.	Somerville Ave.	Fitchburg R.R.	Private.	25	-	370
Garfield Ave.	Broadway	Mystic Ave.	Private.	40	-	1,150
Garrison Ave.	Broadway	Southwesterly	Private.	40	-	850
George	Broadway	Lincoln Ave.	Private.	40	-	350
Gibbens	Central St.	Benton Ave.	Public.	40	492	-
Giles Place	Walnut St.	Northwesterly	Private.	32.71	-	168
Gill's Ct.	Franklin St.	Westerly	Private.	10	-	100
Gilman	Cross St.	Walnut St.	Public.	40	1,430	-
Gilman Terrace	Pearl St.	Northeasterly	Private.	40	-	360
Glass House Ct.	Webster Ave.	Easterly	Private.	40	-	200
Glen	Broadway	Tufts St.	Public.	40	2,300	-
Glover Circle	Meacham St.	Southeasterly	Private.	20	-	110
Gordonia Road	Summer St.	Charnwood Raod	Private.	40	-	263
Gorham	Holland St.	Howard St.	Public.	40	763	-
Gould Ave.	Porter St.	Southeasterly	Private.	16	-	156
Grand View Ave.	Walnut St.	Vinal Ave.	Public.	40	470	-
Granite	Somerville Ave.	Osgood St.	Private.	40	-	400
Grant	Broadway	Mystic Ave.	Private.	40	-	1,350
Greene	Summer St.	Laural St.	Public.	40	555	-
Greenville	Medford St.	High St.	Public.	40	660	-
Grove	Elm St.	Morrison St.	Public.	40	985	-
Hadley Ct.	Franklin St.	Westerly	Private.	20	-	150
Hall	Cedar St.	Cherry St.	Private.	30	-	350
Hall Ave.	Elm St.	Liberty Ave.	Private.	40	-	910
Hamlet	Highland Ave.	Southwesterly	Private.	30	-	400
Hammond	Dickinson St.	Concord Ave.	Private.	40	-	273

STREET.	FROM.	TO.	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Hancock	Elm St.	Summer St.	Private.	40	-	770
Hanson Ave.	Hanson St.	Easterly	Private.	30	-	252
Hanson	Washington St.	Vine St.	Private.	35	-	750
Harding	South St.	Cambridge Line	Private.	30	-	115
Harris	Beacon St.	Cambridge Line	Private.	35	-	150
Harrison	Ivaloo St.	Mondamin Ct.	Public.	40	335	-
Harrison	Mondamin Ct.	Kent St.	Private.	40	-	335
Harrison	Elmwood St.	Southeasterly	Private.	40	-	210
Harvard	Summer St.	Beech St.	Public.	40	650	-
Harvard Place	Harvard St.	Easterly&west'y	Private.	35	-	400
Hathorn	Broadway	Arlington St.	Public.	40	330	-
Hawkins	Somerville Ave.	Washington St.	Public.	40	330	-
Hawthorne	Willow Ave.	Northwesterly	Private.	30	-	700
Hayden Terrace	Linden Ave.	Easterly	Private.	20	-	120
Heath	Temple St.	Bond St.	Public.	45	1,043	-
Heath	Bond St.	Moreland St.	Private.	45	-	750
Henderson	Richardson St.	B. & L. R. R.	Private.	20	-	535
Hennessey Ct.	Medford St.	Fisk Ave.	Private.	20	-	250
Henry Ave.	Highland Ave.	Lexington Ave.	Private.	40	-	290
Heroert	Chester St.	Day St.	Public.	40	360	-
Hersey	Berkeley St.	Oxford St.	Private.	40	-	230
High	Boston St.	Monroe St.	Private.	50	-	1,100
Highland Ave.	Medford St.	Davis Sq.	Public.	60	9,100	-
Hillside Ave.	Pearl St.	Southwesterly	Private.	30	-	150
Hillside Park	Walnut St.	Northwesterly	Private.	40	-	245
Hinckley	Broadway	Lawrence St.	Private.	30	-	430
Hodgdon Place	Dane Ct.	Northeasterly	Private.	about 20	-	150
Holland	Davis Sq.	Broadway	Public.	60	2,650	-
Hollis	Cameron Ave.	Westerly	Private.	30	-	422
Holmes	Cameron Ave.	Westerly	Private.	30	-	422
Holt Ct.	Wyatt St.	Westerly	Private.	10	-	70
Holt's Ave.	Oak St.	Southeasterly	Private.	10	-	100
Homer Sq.	Bonner Ave.	Northwesterly	Private.	30+	-	200
Horace	South St.	Fitchburg R. R.	Private.	30	-	510
Houghton	Prospect St.	Springfield St.	Private.	40	-	750
Howard	Thorndike St.	Gorham St.	Private.	40	-	430
Howard	Whipple St.	Willow Ave.	Private.	30	-	255
Howe	Marshall St.	School St.	Public.	40	445	-
Hudson	Central St.	Cedar St.	Public.	40	2,760	-
Hunting	South St.	Cambridge Line	Private.	30	-	125
Irving	Holland St.	Broadway	Public.	40	1,180	-
Ivaloo	Beacon St.	Park St.	Public.	40	650	-
Jackson	Medford St.	Maple St.	Private.	30	-	150
James	Pearl St.	Veazie St.	Public.	40	320	-
Jaques	Chauncey Ave.	Temple St.	Public.	40	1,200	-
Jaques	Temple St.	Bond St.	Public.	45	1,050	-
*Jasper	Pearl St.	Gilman St.	Private.	40	-	300
Jay	Holland St.	Howard St.	Private.	40	-	525
Jenny Lind Ave.	Vernon St.	Broadway	Public.	40	1,507	-
Jerome Ct.	Sycamore St.	Jerome St.	Private.	10	-	150
Jerome	Montrose St.	Jerome Ct.	Private.	20	-	125
Joseph	Newton St.	Northwesterly	Public.	40	385	-
Josephine Ave.	Morrison Ave.	Broadway	Private.	45	-	1,715
Joy	Washington St.	Poplar St.	Private.	30	-	1,150
Joy St. Place	Joy St.	Southwesterly	Private.	30	-	175
Kensington Ave.	Broadway	Blakeley Ave.	Private.	40	-	440
Kent Ct.	Kent St.	Northerly	Public.	about 25	-	420
Kent	Somerville Ave.	Fitchburg R.R.	Private.	40	-	300
Kent	Fitchburg R.R.	Beacon St.	Private.	25	-	400
Kenwood	Elm St.	Billingham St.	Private.	40	-	322
Kidder Ave.	Elm St.	Willow Ave.	Private.	40	-	1,280
Kilby	Somerville Ave.	Southwesterly	Private.	20	-	180

\*Proposed.



STREET.	FROM.	To.	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Kingman Ct.	Washington St.	Fitchbrug R.R.	Private.	25	-	400
Kingston	Meacham St.	Campbell Pk.	Private.	40	-	620
Knapp	School St.	Granite St.	Private.	40	-	350
Knowlton	Oliver St.	Tufts St.	Private.	40	-	925
Lake	Hawkins St.	Church St.	Public.	40	860	-
Lamson Ct.	Linwood St.	Poplar St.	Private.	20	-	370
Landers	School St.	Westerly	Private.	40	-	280
Laurel Ct.	Laural St.	Northwesterly	Private.	20	-	125
Laurel	Somerville Ave.	Summer St.	Public.	40	940	-
Lawrence	Hinckley St.	B. & L. R. R.	Private.	35	-	650
Lawrence	Boston Ave.	Southwesterly	Private.	35	-	710
Lawson Terrace	Putnam St.	Easterly	Private.	5	-	200
Lee	Medford St.	Richdale Ave.	Private.	40	-	385
Leland	Washington St.	Northeasterly	Private.	40	-	250
Leon	Concord Ave.	Dickinson St.	Private.	40	-	150
Leonard Place	Joy St.	Northeasterly	Private.	13+	-	98
Lesley Ave.	Highland Ave.	Lexington Ave.	Private.	40	-	333
Leslie Place	Highland Ave.	Northerly	Private.	12	-	75
Lester Place	Meacham St.	Northwesterly	Private.	20	-	190
Lexington Ave.	Willow Ave.	Cedar St.	Private.	50	-	1,360
Liberty Ave.	Appleton St.	Broadway	Private.	40	-	1,495
Lincoln Ave.	Lincoln St.	Mt. Vernon St.	Private.	40	-	450
Lincoln Place	Lincoln Ave.	Northerly	Private.	9	-	120
Lincoln	Broadway	Perkins St.	Public.	40	550	-
Linden	Somerville Ave.	Fitchburg R.R.	Private.	30	-	705
Linden Ave.	Elm St.	Summer St.	Public.	45	1,050	-
Linden Ave.	Summer St.	Northeasterly	Private.	45	-	250
Linden Place	Linden Ave.	Northwesterly	Private.	20	-	160
Line	Washington St.	Cambridge line	Private.	33	-	1,750
Linehan Ct.	Linwood St.	Chestnut St.	Private.	about 15	-	200
Linwood Place	Linwood St.	Southwesterly	Private.	about 12	-	150
Linwood	Somerville Ave.	Washington St.	Public.	50	2,050	-
London	Linwood St.	B. & L. R. R.	Private.	40	-	340
Loring	Somerville Ave.	Northeasterly	Private.	40	-	400
Louisburg Pl.	Autumn St.	Easterly	Private.	13	-	90
Lowell	Somerville Ave.	Albion St.	Private.	33+	-	2,580
Lowell	B. & L. R. R.	Medford St.	Private.	33+	-	1,200
Lowden	Broadway	Fosket St.	Private.	40	-	1,205
Madison	School St.	Sycamore St.	Public.	40	891	-
Main	Broadway	Medford line	Public.	50	950	-
*Malden	Mystic Ave.	Melrose St.	Private.	50	-	1,360
Mallet	Willow Ave.	Liberty Ave.	Private.	40	-	580
Malloy Ct.	Somerville Ave.	Merriam Ave.	Private.	30	-	255
Mansfield	Somerville Ave.	Washington St.	Private.	40	-	730
Maple Ave.	School St.	Southeasterly	Private.	40	-	300
Maple	Poplar St.	Jackson St.	Private.	30	-	470
Maple Place	Marshall St.	Maple Ave.	Private.	5	-	125
Marion	Concord Ave.	Adrian St.	Private.	40	-	170
Marshall	Broadway	Pearl St.	Public.	40	1,650	-
Mason Ave.	Orchard St.	Cambridge line.	Private.	35	-	220
May Place	Hawkins St.	Easterly	Private.	12	-	100
McGregor Pl.	Wigglesworth St	Walnut St.	Private.	about 10	-	250
Meacham	Orchard St.	Cambridge line.	Public.	40	100	-
Meacham	Arlington B.R.R.	Orchard St.	Private.	40	-	600
Meacham	Mt. Vernon Ave.	Medford line	Private.	40	-	800
Mead	Cameron Ave.	Moore St.	Private.	40	-	340
Medford	Cambridge line	Central St.	Public.	50	8,150	-
Medford	Central St.	Broadway	Public.	55	1,950	-
Melrose	Mystic Ave.	Middlesex Ave.	Private.	50	-	2,310
Melvin	Bonair St.	Northeasterly	Private.	35	-	150
Melvin	Broadway	Southwesterly	Private.	40	-	317
Merriam Ave.	Merriam St.	Malloy Ct.	Private.	15	-	255
Merriam	Somerville Ave.	Charlestown St.	Private.	30	-	500

\* Proposed.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Middlesex Ave.	Mystic Ave.	Medford Line	Public.	60	3,400	-
Milk St. Pl.	Somerville Ave.	Southwesterly	Private.	about 30	-	100
Miller	Sacramento St.	Northwesterly	Private.	33	-	350
Mills	Walnut St.	Sargent Ave.	Public.	40	560	-
Miner	Vernon St.	Ames St.	Public.	40	244	-
Minnie Ave.	Meacham St.	Northeasterly	Private.	40	-	705
Mondamin Ct.	Ivaloo St.	Harrison St.	Private.	25	-	250
Montgomery Ave	Broadway	Wellington Ave	Public.	40	265	-
Montrose Ct.	Montrose St.	B. & L. R. R.	Private.	12	-	110
Montrose	School St.	Sycamore St.	Public.	40	886	-
Moore	Holland St.	Mead St.	Public.	40	695	-
Moreland	Main St.	Meacham St.	Private.	40	-	700
Morgan	Beacon St.	Park St.	Public.	40	-	350
Morrison Ave.	Willow Ave.	Cedar St.	Private.	50	-	1,366
Morrison Pl.	Morrison St.	Northerly	Private.	20	-	190
Morrison Pl.	Morrison Pl.	Easterly	Private.	15	-	175
Morrison	Willow Ave.	Elm St.	Public.	40	1,700	-
Mortimer Pl.	Marshall St.	Southeasterly	Private.	20	-	150
Morton	Glen St.	Knowlton St.	Private.	40	-	285
Mossland	Somerville Ave.	Elm St.	Public.	40	350	-
Mountain Ave.	Linden Ave.	Porter St.	Private.	22	-	310
Mousal Pl.	North Union St.	B. & M. R. R.	Private.	20	-	200
Mt. Pleasant Av.	Curtis St.	Northwesterly	Private.	40	-	700
Mt. Pleasant Ct.	Perkins St.	Southwesterly	Private.	40	-	260
Mt. Pleasant	Broadway	Perkins St.	Public.	33	570	-
Mt. Vernon Ave.	Main St.	Meacham St.	Private.	50	-	800
Mt. Vernon	Washington St.	Pearl St.	Public.	40	600	-
Mt. Vernon	Pearl St.	Perkins St.	Public.	50	450	-
Mt. Vernon	Perkins St.	Broadway	Public.	40	600	-
Monroe	Walnut St.	High St.	Private.	40	-	400
Murdock	Cedar St.	Clyde St.	Private.	30	-	900
Murray	Washington St.	Southerly	Private.	30	-	250
Museum	Beacon St.	Cambridge Line	Private.	40	-	170
Myrtle Ct.	Myrtle St.	Easterly.	Private.	10	-	100
Myrtle	Washington St.	Perkins St.	Public.	40	1,400	-
Mystic Ave.	Charlest'n Line	Union St.	Public.	60	350	-
Mystic Ave.	Union St.	Medford Line	Public.	66	6,900	-
Mystic	Washington St.	Somerville Ave.	Public.	40	360	-
Mystic	Benedict St.	Mystic Ave.	Private.	40	-	330
Nashua	Richardson St.	B. & L. R. R.	Private.	35	-	640
Nevada Ave.	Village St.	Hanson St.	Private.	20	-	200
Newberne	Appleton St.	Morrison St.	Private.	40	-	200
Newbury	Holland St.	Cambridge Line	Public.	40	1,250	-
Newman Place	Cedar St.	Southeasterly	Private.	10+	-	100
Newton Place	Newton St.	Easterly	Private.	about 10	-	100
Newton	Webster Ave.	Concord Ave.	Public.	40+	650	-
Norfolk	Webster Ave.	Cambridge Line	Public.	40	200	-
North	Broadway	Medford Line	Public.	40	2,550	-
North Union	Mystic Ave.	Northeasterly	Private.	30	-	600
Norton	Nashua St.	Southeasterly	Private.	20	-	200
Norwood Ave.	Broadway	Medford St.	Public.	40	350	-
Oak	Prospect St.	Angle	Public.	40	670	-
Oak	Angle	Cambridge Line	Private.	30	-	530
Oak St. Place	Oak St.	Northerly	Private.	4	-	85
Oakland Ave.	Marshall St.	School St.	Public.	40	440	-
Olive Ave.	Linden Ave.	Southeasterly	Private.	25	-	155
Olive Sq.	Lake St.	Southerly	Private.	about 15	-	100
Oliver	Franklin St.	Cross St.	Public.	40	1,050	-
Orchard	Cambridge Line	Meacham St.	Public.	40	1,625	-
Osgood	Granite St.	Easterly&west'ly	Private.	40	-	450
Otis	Cross St.	Wigglesworth St	Public.	40	1,200	-
Oxford	School St.	Central St.	Private.	30+	-	1,330
Oxford	Beacon St.	Cambridge Line	Public.	50	100	-

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Packard Ave.	Broadway	Medford Line.	Private.	60	-	2,000
Palmer Ave.	Franklin St.	Northwesterly	Private.	20	-	200
Park Ave.	Elm St.	Wallace St.	Public.	40	450	-
Park Place	Laurel St.	Easterly	Private.	30	-	220
Park Place	Park Pl.	Northeasterly	Private.	20	-	150
Park	Somerville Ave.	Beacon St.	Public.	50	1,300	-
Parker Place	Porter St.	Northwesterly	Private.	20	-	150
Parker	Washington St.	Fremont Ave.	Private.	35	-	200
Partridge Ave.	Vernon St.	Broadway	Public.	40	1,457	-
Patten Ct.	Cutter St.	Southeasterly	Private.	8	-	100
Paulina	Broadway	Holland St.	Private.	40	-	775
Pearl	Crescent St.	Mt. Vernon St.	Public.	40	300	-
Pearl	Mt. Vernon St.	Medford St.	Public.	50	4,450	-
Pearl St. Place	Pearl St.	Northeasterly	Private.	20	-	200
*Pearson Ave.	Morrison Ave.	Boston Ave.	Private.	45	-	1,300
Pembroke Ct.	Pembroke St.	Southwesterly	Private.	25	-	130
Pembroke	Central St.	Sycamore St.	Private.	40	-	440
Perkins Place	Perkins St.	Northeasterly	Private.	20	-	200
Perkins	Franklin St.	Charlestown line	Public.	40	1,350	-
Pinckney Place	Pinckney St.	Southeasterly	Private.	24	-	125
Pinckney	Washington St.	Perkins St.	Public.	40	1,170	-
Pitman	Beech St.	Spring St.	Private.	30	-	380
Pitman	Spring St.	Belmont St.	Private.	26	-	390
Pleasant Ave.	Walnut St.	Vinal Ave.	Public.	40	470	-
Poplar Ct.	Poplar St.	Southeasterly	Private.	10	-	80
Poplar	Somerville Ave.	Linwood St.	Private.	30	-	350
Poplar	Linwood St.	Joy St.	Private.	35	-	300
Porter Av.	Porter St.	Northwesterly	Private.	20	-	220
Porter Place	Porter St.	Northwesterly	Private.	20	-	195
Porter	Elm St.	Summer St.	Public.	45	1,150	-
Porter	Summer St.	Highland Ave.	Private.	45	-	830
Prescott	Summer St.	Highland Ave.	Public.	50	1,050	-
Preston	School St.	Summer St.	Public.	40	800	-
Professors' Row	College Ave.	Curtis St.	Private.	40	-	1,900
Prospect	Washington St.	Cambridge Line	Public.	50	2,050	-
Prospect Hill Av	Medford St.	High St.	Public.	40	450	-
Prospect Place	Prospect St.	E. Newton St.	Private.	20	-	130
Putnam	Summer St.	Highland Ave.	Public.	50	1,240	-
Quincy	Somerville Ave.	Summer St.	Public.	40	700	-
Randolph Pl.	Cross St.	Westerly	Private.	15	-	244
Raymond Ave.	Curtis St.	North St.	Public.	40	1,345	-
Record's Place	Broadway	Southwesterly	Private.	10	-	110
Reed's Ct.	Oliver St.	Southwesterly	Private.	20	-	105
Remick Ct.	Cutter St.	Southeasterly	Private.	10	-	100
Richardson	Lowell St.	Lawrence St.	Private.	35	-	480
Richdale Ave.	School St.	Sycamore St.	Public.	40	875	-
Richmond hi'hds	Madison St.	Southerly	Private.	30	-	150
Roberts	Lawrence St.	Northwesterly	Private.	20	-	170
Robinson	Central St.	Bartlett St.	Private.	40	-	645
Rogers Ave.	Morrison Ave.	Broadway	Private.	45	-	1,700
Roseland	Beacon St.	Cambridge Line	Public.	40	100	-
Rossmore	Somerville Ave.	Washington St.	Private.	40	-	525
Rush	Broadway	Flint St.	Public.	40	1,400	-
Russell	Elm St.	Cambridge Line	Public.	40	700	-
Sacramento	Somerville Ave.	Cambridge Line	Private.	40	-	600
Sanborn Ave.	Warren Ave.	Walnut St.	Public.	40	280	-
Sargent Ave.	Broadway	Mills St.	Public.	40	522	-
Sartwell Ave.	Cedar St.	Cherry St.	Private.	35	-	400
School	Somerville Ave.	Highland Ave.	Public.	40	1,870	-
School	Highland Ave.	Broadway	Public.	50	2,500	-
Sellon Pl.	Marshall St.	Northwesterly	Private.	12	-	120
Sewall Ct.	Sewall St.	Southwesterly	Private.	25	-	190

\* Proposed.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Sewall	Grant St.	Temple St.	Public.	40	615	-
Shawmut Pl.	Shawmut St.	Alston St.	Private.	30	-	200
Shawmut	Washington St.	Cross St.	Public.	40	550	-
Shedd	Somerville Ave.	Merriam Ave.	Private.	40	-	310
Sherman Pl.	Sargent Ave.	Marshall St.	Private.	10	-	250
Sherman	Somerville Ave.	Frost Ave.	Private.	35	-	270
Sibley Ct.	Cutter St.	Northwesterly	Private.	10	-	100
Sibley Pl.	Cutter St.	Northwesterly	Private.	10	-	100
Simpson Ave.	Broadway	Holland St.	Private.	40	-	825
Skehan	Dane St.	Durham St.	Private.	30	-	720
Smith Ave.	Beacon St.	Line St.	Private.	25+	-	200
Snow Pl.	Belmont St.	Easterly	Private.	30	-	160
Snow Pl.	Snow Place	Northerly	Private.	25	-	100
Snow Terrace	Jaques St.	Southwesterly	Private.	16	-	120
Somerville Ave.	E. Camb Line.	Union Sq.	Public.	75	2,300	-
Somerville Ave.	Union Square	N. Camb. Line	Public.	70	8,800	-
South	Medford St.	Westerly	Private.	30	-	940
*Southwick Ave.	Morrison Ave.	Boston Ave.	Private.	40	-	990
Spring Ct	Somerville Ave.	Westerly	Private.	20	-	200
Spring	Somerville Ave.	Summer St.	Public.	40	1,200	-
Springfield	Concord Ave.	Cambridge Line	Public.	40	800	-
Stamford Terrace	Beacon St.	Northeasterly	Private.	20	-	200
Stickney Ave.	Marshall St.	School St.	Private.	40	-	450
Stiles	Cameron Ave.	Cambridge Line	Private.	40	-	200
St. James Ave.	Elm St.	Summer St.	Public.	40	488	-
Stone Ave.	Union Sq.	Columbus Ave.	Public.	40	676	-
Stone Pl.	Stone Ave.	Southeasterly	Private.	30	-	145
Summer	Bow St.	Elm St.	Public.	45	7,700	-
Summit Ave.	Walnut St.	Vinal Ave.	Public.	45	470	-
Summit	Elm St.	Billingham St.	Public.	40	262	-
Sumner	Lawrence St.	Northwesterly	Private.	20	-	175
Sunnyside Ave.	Walnut St.	Wigglesworth St	Private.	35	-	250
Sycamore	Broadway	Medford St.	Public.	45	1,250	-
Sycamore	Medford St.	Richdale Ave.	Private.	40	-	550
Sycamore	Richdale Ave.	Highland Ave.	Private.	35	-	800
Sydney	Wheatland St.	Temple St.	Private.	40	-	925
Talbot	Packard Ave.	Southeasterly	Private.	40	-	500
Taunton	So. Wyatt St.	Easterly to angle	Private.	30	-	170
Taunton	Angle	Marion St.	Private.	20	-	95
Taylor Pl.	Somerville Ave.	Southerly	Private.	15	-	200
Taylor	Mystic Ave.	Sidney St.	Private.	40	-	310
Temple	Broadway	Mystic Ave.	Public.	66	1,540	-
Tenney Ct.	Mystic Ave.	Northeasterly	Private.	30	-	400
Tennyson	Forster St.	Medford St.	Public.	40	469	-
Tennyson	Medford St.	Pembroke St.	Private.	40	-	400
Thorndike	Holland St.	Kingston St.	Private.	40	-	580
Thorpe Pl.	Highland Ave.	Southwesterly	Private.	30	-	450
Thurston	Broadway	Richdale Ave.	Public.	40	1,660	-
Tower Ct.	Tyler St.	Northeasterly	Private.	25	-	150
Tower	Crown St.	Highland Ave.	Private.	40	-	550
Tremont Pl.	Tremont St.	Southeasterly	Private.	about 10	-	75
Tremont	Webster Ave.	Cambridge Line	Public.	40	589	-
Trull	Vernon St.	Medford St.	Private.	40	-	1,050
Trull Lane	Highland Ave.	Oxford St.	Private.	15	-	200
Tube Works Ct.	Somerville Ave.	Southwesterly	Private.	20	-	150
Tufts	Washington St.	Cross St.	Public.	40	940	-
Tyler	Vine St.	Dane St.	Public.	40	404	-
Union	Broadway	Mystic Ave.	Public.	40	330	-
Union Pl.	Linwood St.	Southwesterly	Private.	10	-	100
Veazie	Walnut St.	Bradley St.	Private.	40	-	650
Vernon	Central St.	Jenny Lind Ave.	Public.	40	740	-
Vernon	Jenny Lind Ave	Lowell St.	Private.	30	-	600

\*Proposed.

STREET.	FROM.	TO.	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Villa Ave.	Winslow Ave.	Arlington B R R	Private.	35	-	200
Village	Dane St.	Vine St.	Private.	25	-	370
Vinal Ave.	Summer St.	Highland Ave.	Public.	45	1,400	-
Vinal	Richardson St.	Northeasterly	Private.	20	-	200
Vine Ct.	Vine St.	Northwesterly.	Private.	25	-	140
Vine	Somerville Ave.	Hanson St.	Private.	40	-	780
Vine	Hanson St.	Beacon St.	Private.	25	-	650
Virginia	Aldrich St.	Jasper St.	Public.	40	405	-
Wade Ct.	Cedar St.	Westerly	Private.	20	-	180
Waldo	Highland Ave.	Hudson St.	Private.	40	-	287
Wallace	Holland St.	Broadway	Public.	40	1,350	-
Walnut	Bow St.	Broadway	Public.	40	3,830	-
Walter Pl.	Walter St.	Southeasterly	Private.	40	-	222
Walter	Walnut St.	Bradley St.	Private.	40	-	548
Ward	Medford St.	Earl St.	Private.	30	-	610
Warren Ave.	Union Sq.	Columbus Ave.	Public.	40	650	-
Warren	Medford St.	Cambridge Line	Private.	30	-	100
Warwick	Cedar St.	Southeasterly	Private.	40	-	630
Washington Ave	Washington St.	Northerly	Private.	18	-	350
Washington	Charlestown line	Franklin Ave.	Public.	75	1,060	-
Washington	Franklin Ave.	Fitchburg R. R.	Public.	60 to 100	3,870	-
Washington	Fitchburg R. R.	Cambridge Line	Public.	60	2,380	-
Water	South St.	Northerly	Private.	25	-	250
Waverly	Washington St.	Southerly	Private.	35	-	200
Ware	Curtis St.	Northwesterly	Private.	40	-	700
Webster Ave.	Union Sq.	Cambridge Line	Public.	49.5	1,950	-
Webster	Franklin St.	Cross St.	Public.	40	1,000	-
Wellington Ave.	Walnut St.	Montgomery Av.	Public.	40	215	-
Wellington Ave.	Montgomery Av	Easterly	Private.	40	-	85
Wesley Pk.	Wesley Sq.	Northeasterly	Public.	40	405	-
Wesley	Pearl St.	N. East to angle	Private.	40	-	350
Wesley	Angle	Otis St.	Private.	30	-	165
West	Broadway	Heath St.	Private.	30	-	250
West	Hawthorne St.	Arlington B R R	Private.	30	-	590
Weston Ave.	Clarendon Ave.	Broadway	Private.	40	-	525
Wheatland	Broadway	Jaques St.	Public.	40	495	-
Wheatland	Jaques St.	Mystic Ave.	Private.	40	-	855
Wheeler	Pinckney St.	Mt. Vernon St.	Private.	40	-	269
Whipple	Hawthorne St.	Arlington B R R	Private.	30	-	575
White	Elm St.	Cambridge Line	Private.	20	-	300
White St. Pl.	White St.	Southeasterly	Private.	20	-	200
Wigglesworth	Bonair St.	Pearl St.	Private.	40	-	740
William	Chandler St.	Elm St.	Public.	40	381	-
Williams Ct.	Porter St.	Northwesterly	Private.	30	-	150
Willoughby	Central St.	Sycamore St.	Private.	30	-	400
Willow Ave.	Elm St.	Broadway	Public.	50	3,440	-
Willow Pl.	Cambridge Line	South St.	Private.	25	-	150
*Willowdale	Willow Ave.	Easterly	Private.	40	-	550
Wilson Ave.	Broadway	B. & L. R. R.	Private.	20	-	310
Wilton	Lowell St.	Lawrence St.	Private.	35	-	470
Windom	Elm St.	Summer St.	Public.	40	300	-
Winslow Ave.	Elm St.	Grove St.	Public.	40	514	-
Winslow Ave.	Grove St.	Clifton St.	Private.	40	-	572
Winter	Elm St.	Holland St.	Private.	30	-	430
Winter Hill Cir.	Broadway	Northeasterly	Private.	25	-	177
Winthrop Ave.	Broadway	Mystic Ave.	Public.	50	1,170	-
Woodbine	Centre St.	Lowell St.	Private.	30	-	600
*Woods Ave.	North St.	Alewife Brook	Private.	40	-	1,350
Wyatt Ct.	South Wyatt St.	Westerly	Private.	13	-	200
Wyatt (South)	Concord Ave.	Northerly	Private.	40	-	400
Wyatt (North)	Washington St.	Southerly	Private.	40	-	350
York Terrace	Central St.	Harvard Pl.	Public.	40	267	-
Total . . .	. . . . .	. . . . .	. . . . .	. . . . .	263,450	179,741

Public, 49.9 miles ; private, 34.04 miles.

\*Proposed.



REPORT  
OF THE  
COMMITTEE ON FIRE DEPARTMENT.

## CITY OF SOMERVILLE.

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IN BOARD OF ALDERMEN, January 10, 1894.

Referred to the committee on printing, to be printed in the annual reports. Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

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IN COMMON COUNCIL, January 10, 1894.

Concurred in.

CHARLES S. ROBERTSON, *Clerk.*



## CITY OF SOMERVILLE.

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IN COMMITTEE ON FIRE DEPARTMENT, }  
January 1, 1894. }

*To the City Council of Somerville:—*

The following is the final report of the Committee on Fire Department for the year ending December 31, 1893:—

The manual force of the department consists of eighty-five men, including the chief and assistant engineers.

The apparatus in service consists of two steam-fire engines, one ladder truck, four hose wagons, and one combination hose, chemical and ladder wagon.

A valuable addition to the apparatus has been made by the purchase of a third size rotary engine, with a capacity of seven hundred gallons per minute. This engine is not in continual service, but is kept perfectly equipped for immediate use in case of a large fire, accident, or repairs to the engines in service. For convenience it is known as the relief engine.

### BUILDINGS.

The several buildings used by the department are in fair condition. Hose house No. 1, Webster Street, has been repaired and painted, both inside and out, the heating apparatus put in good condition and the building made comfortable and presentable.

Hose houses No.'s 2, 3, and 5, ladder house 1 and engine house 4 have each received the repairs necessary to keep them in good condition. No repairs have been made on the house of engine No. 1. This building is used as headquarters of the fire alarm

service. In the cellar is placed the battery, and in an upper room are the instruments so vitally important in giving a correct alarm. This room is also used as a sleeping room for the firemen permanently employed at this station. The building does not require extensive repairs, but an addition should be made for the accommodation of a chemical engine. Previous committees have often advised this, and the committee of 1891 had plans prepared, by the direction of the City Council, for such enlargements, to furnish accommodations for a chemical engine and the fire-alarm telegraph system.

Your committee was desirous of carrying out these plans, but the City Council did not see fit to furnish the necessary appropriation. Nothing, therefore, has been done toward enlarging the fire-alarm system or placing in service a chemical engine.

Your committee desires to emphasize the necessity of carrying forward these important projects. As the entire city is now dependent on three circuits where there should be ten, and as much property is jeopardized by the lack of signal boxes, while neither circuits nor boxes can be added until a larger battery room is supplied, we urge either the enlarging of the house of engine No. 1, or the early erection of the proposed building on Highland Avenue near Cedar Street with a ample room therein for the battery.

The removal of the Unitarian church will necessitate the purchase of a new fire-alarm bell, which can be placed in the tower of engine house No. 1.

The building at the junction of Medford Street and Highland Avenue, formerly known as the Brastow School house, has, by order of the City Council, been placed in charge of the Committee on Fire Department. In it are kept the relief engine and hose carriage, ready for immediate use, and supplies for the alarm system.

### HYDRANTS.

The economy of having hydrants at frequent intervals should be so well understood that whenever a street water pipe is laid they should be placed within two hundred and fifty feet of each other. When so placed, short pieces of hose only are needed to

reach fires, and such lines give effective streams, owing to less friction. Good hose costs about seventy cents per foot and soon decays; while a hydrant ready for service costs fifty dollars and will last twenty five years at least. The cost of a hydrant will buy but about seventy feet of hose. A stream of water from a one-inch nozzle through one thousand feet of hose, with a hydrant pressure of forty pounds, will reach a height of thirty-four feet and will discharge fifty-nine gallons per minute. With three hundred feet of hose and the same conditions the height reached will be fifty-nine feet, and the quantity discharged will be one hundred and three gallons, or nearly double the amount that can be used through the long line. The cost of the long line is about seven hundred dollars, and of the short, effective one, but two hundred and ten dollars. This shows the economy of placing hydrants near together.

### CHEMICAL ENGINE.

The value of a chemical engine for extinguishing small fires is so well understood that we renew the recommendation of former years that a chemical engine be bought and placed in service. It should be located on Central Hill, where it would be equally serviceable for wards one, two and three. If the City Council, for any reason, should not desire to make the necessary alterations in the house of engine No. 1 for this apparatus it could be placed in the relief fire station on Medford Street. The cost of fitting up this building, including a suitable stable, would be only a few hundred dollars.

### HOSE.

There are now seventy-eight hundred feet of hose in service. None was purchased last year but some will be required the coming year.

To sum up our city's immediate wants for fire protection, we would specify an enlargement of the Fire Alarm Telegraph System, the placing in service on Highland Avenue near Cedar Street of a

hook and ladder truck, and an addition to engine house No. 1 and the placing therein of a chemical engine.

Your committee are quite familiar with the operations of the department and cheerfully commend the officers and other members for their promptness and efficiency; but we are not unmindful that the liability of, and conditions for, a disastrous conflagration increase every day. It is a fact not generally known, that Somerville has more dwelling houses to the acre than any other city in the State. This close proximity of buildings (especially as they are of wood with shingle roofs) furnishes the conditions for such a conflagration. With this knowledge we lay these matters before the City Council, believing that if our recommendations are adopted our city will be well well protected until greater growth necessitates further additions.

The appropriation, receipts and expenditures are shown by the following statements:—

#### FIRE DEPARTMENT ACCOUNT.

		CREDIT.	
Appropriation	.	.	\$41,000.00
Receipts:—			
For manure sold	.	\$57.80	
old copper and zinc		39.53	96.53
			96.53
Total credit	.	.	\$41,096.53
		DEBIT.	
Expenditures:—			
For salaries of permanent men	.	15,861.93	
salaries of call men	.	8,646.00	
substitute drivers	.	3,210.27	
new hose	.	225.00	
improvements and repairs of apparatus and vehicle	.	972.08	
			972.08
<i>Amounts carried forward</i>	.	\$28,915.28	\$41,096.53

<i>Amounts brought forward</i> . . . . .	\$28,915.28	\$41,096.53
new vehicle and apparatus . . . . .	120.00	
improvements and repairs of buildings and furniture and new furniture . . . . .	1,467.63	
maintenance and extension of fire-alarm telegraph . . . . .	1,914.43	
hose and hose pipe and repair- ing same . . . . .	418.25	
grain and feed . . . . .	762.97	
hay and straw . . . . .	1,127.65	
horse shoeing . . . . .	413.51	
horse medicine and doctoring . . . . .	118.11	
harnesses and repairing same . . . . .	147.80	
fuel . . . . .	757.64	
supplies . . . . .	133.66	
water for hydrants . . . . .	3,220.00	
water for department buildings . . . . .	130.00	
gas . . . . .	671.36	
ice . . . . .	37.50	
washing and ironing . . . . .	230.39	
telephones . . . . .	144.50	
hand fire extinguishers . . . . .	180.60	
insurance . . . . .	74.00	
incidentals . . . . .	1,220.16	
	<hr/>	
total debit . . . . .		\$42,205.44
		<hr/>
amount overdrawn . . . . .		\$1,108.91

For the committee,

FRANK E. FITTS, *Chairman.*

WILLIAM P. MITCHELL, *Clerk.*



REPORT  
OF THE  
CHIEF ENGINEER OF FIRE  
DEPARTMENT.

## CITY OF SOMERVILLE.

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IN BOARD OF ALDERMEN, January 24, 1894.

Referred to the committee on printing, to be printed in the annual reports. Sent down for concurrence.

GEORGE I. VINCENT, *Clerk*.

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IN COMMON COUNCIL, January 25, 1894.

Concurred in.

WILLIAM P. MITCHELL, *Clerk pro tem*.



# CITY OF SOMERVILLE.

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OFFICE OF CHIEF ENGINEER OF FIRE DEPARTMENT }  
December 31, 1893. }

*To the Committee on Fire Department:—*

GENTLEMEN,—I herewith present to you a report of the operations of this department for the year 1893. It includes a statement of the number of fire alarms, both bell and still alarms, the loss of property by fire and the amount of insurance thereon, a roster of the manual force, the apparatus in service, and other interesting information.

I desire to express to his Honor, the Mayor and to the Committee, my sincere thanks for their co-operation in all matters appertaining to the efficiency of the department.

## MANUAL FORCE.

The manual force of the department consists of

One Chief Engineer . . . . .	1
One Assistant Engineer . . . . .	1
Two Steam fire engine Companies of 14 men each	28
Four Hose Companies of 10 men each . . . . .	40
One Ladder Company . . . . .	16
Total . . . . .	<hr/> 86

## APPARATUS IN SERVICE.

The apparatus in service consists of two steam fire engines, each of a capacity of 700 gallons per minute; five hose wagons,

each equipped with 900 feet of  $2\frac{1}{2}$  inch hose, 43 feet of ladders and two pony chemical extinguishers; one ladder truck with 370 feet of ladders, jumping canvas, gun for firing a life line, and numerous small tools. The total amount of hose is 8,000 feet. Reserve apparatus consists of one steam fire engine, one hose carriage and one ladder truck.

### FIRE ALARM TELEGRAPH.

The fire alarm telegraph has 53 signal boxes from which an alarm can be given. All of these boxes are locked and require keys to open them before an alarm can be given, except one (Box 443, Davis Square). Any responsible citizen can have a key by applying to the chief engineer.

The locations of Signal boxes are as follows:—

12. Junction Somerville avenue and Linwood street.
13. McLean Asylum.
14. Cross street, corner Gilman street.
15. Washington street, corner Myrtle street.
16. Webster street, (Hose House No. 1).
17. Lincoln street, corner of Perkins street.
18. Broadway, corner of Mt. Vernon street.
19. Medford street, corner of Washington street.
21. Medford street, corner of South street.
23. South street, (Howe & Putney Pork House).
24. Webster avenue, (School house).
25. Washington street, corner of Prospect street, (Hose House No. 3).
26. Concord Square, corner of Springfield street.
27. Bow street, (Police Station).
28. Somerville avenue, corner of Laurel street.
29. Washington street, opposite Dane street.
31. Highland avenue, corner of Walnut street, (Engine House No. 1).
32. Bonair street, opposite Dana street.
33. Medford street, corner of Dartmouth street.
34. Marshall street, (Hose House No. 2).

- 35. Broadway, Junction of Main street.
- 36. Central street, corner of Vernon street.
- 37. Magoun Square.
- 38. Cedar street, corner of Clyde street.
- 4. Powder House Square.
- 41. Summer street, corner of Cedar street.
- 42. Beacon street, corner of Kent street.
- 43. Holland street, between Wallace and Irving streets.
- 45. Summer street, between Spring and Belmont streets.
- 46. Junction of Elm street and Somerville avenue.
- 46. Duplicate ; Hose House, No. 5, Somerville Avenue.
- 47. Highland avenue, corner of Grove street, (Engine House, No. 4).
- 48. Broadway, corner of Curtis street.
- 49. Professors' Row, College Hill
- 112. John P. Squire & Co's, Somerville avenue.
- 113. Fitchbug Railroad Company Freight Yard.
- 115. Franklin street, opposite Oliver street.
- 116. Broadway, near Autumn street.
- 119. Somerville avenue, corner of Medford street.
- 217. Summer street, corner of School street.
- 221. North Packing and Provision Co's, Medford street.
- 224. Prospect street, near Oak street.
- 225. Union Square, Masonic Building.
- 227. American Tube Works, Frost avenue.
- 228. Middlesex Bleachery, Somerville avenue.
- 231. Boston street, corner of Greenville street.
- 331. Gilman square.
- 332. Pearl street, corner of Aldrich street.
- 334. Wheatland street, corner of Jaques street.
- 335. Melrose street, off Mystic avenue.
- 421. Highland avenue, corner Central street.
- 443. Davis square.
- 447. Elm street, corner of William street.

SPECIAL SIGNALS.

- 55. No. school.
- 6-6-6. Police call.
- 7-7-7. Military call.

Additional signal boxes are necessary in the following locations:—

Bartlett street, corner of Ames street.  
 Beacon street, corner of Concord avenue.  
 Bond street, corner of Heath street.  
 Bradley street, corner of Veazie street.  
 Broadway, corner of Cedar street.  
 Broadway, corner of Franklin street.  
 Campbell Park.  
 Curtis street, corner of Conwell avenue.  
 Elm street, corner of Cherry street.  
 Elm street, corner of Willow avenue.  
 Holland street, corner of Elmwood street.  
 Houghton street, corner of Oak street.  
 Linwood street, corner of Poplar street.  
 Mystic avenue, near North Union Street.  
 Orchard street, corner of Day street.  
 Somerville Hospital.  
 Temple street, corner of Derby street.  
 Washington street, corner of Mt. Vernon street.  
 Washington street, opposite Wyatt street.

#### FIRE ALARMS AND CAUSES.

Total number of bell alarms	. . . . .	93
Total number of still alarms	. . . . .	24
Total loss by fire	. . . . .	\$26,655.35
Total insurance on property	. . . . .	\$214,225.00

The causes for which the bell alarms were given were as follows:—

Breaking and explosion of kerosene lamp	. . . . .	6
Burning of electric light switch box	. . . . .	3
Burning of rubbish	. . . . .	4
Children playing with matches	. . . . .	5
Defective chimney	. . . . .	11

Drying plastering . . . . .	2
Explosion of grease tank . . . . .	1
Fire crackers on roof . . . . .	4
Gas jet in contact with wood work . . . . .	1
Hot ashes in wooden box . . . . .	2
Igniting of alcohol . . . . .	1
Igniting of Naphtha . . . . .	2
Igniting of oil from defective pipe . . . . .	2
Igniting of oil rags in closet . . . . .	2
Igniting of oil waste . . . . .	1
Making a fire with kerosene oil . . . . .	1
Over-heated oil stove . . . . .	6
Smoke house . . . . .	1
Smoke mistaken for fire . . . . .	2
Sparks from locomotive engine . . . . .	1
Sparks from tin-man's stove . . . . .	1
Sparks from tobacco pipe . . . . .	2
Sparks on roof . . . . .	6
Steam mistaken for fire . . . . .	1
Supposed incendiary . . . . .	3
Thawing of water pipe . . . . .	1
Fires in Boston . . . . .	3
Fire in Cambridge . . . . .	1
Fires in Medford . . . . .	3
False alarm . . . . .	1
Unknown . . . . .	13
<b>Total</b> . . . . .	<hr/> 93

NUMBER OF FIRE ALARMS EACH DAY OF THE WEEK.

Sunday . . . . .	9
Monday . . . . .	15
Tuesday . . . . .	14
Wednesday . . . . .	11
Thursday . . . . .	13
Friday . . . . .	13
Saturday . . . . .	18
<b>Total</b> . . . . .	<hr/> 93

## NUMBER OF ALARMS IN EACH MONTH.

January	.	.	.	.	.	.	.	.	.	11
February	.	.	.	.	.	.	.	.	.	7
March	.	.	.	.	.	.	.	.	.	11
April	.	.	.	.	.	.	.	.	.	7
May	.	.	.	.	.	.	.	.	.	3
June	.	.	.	.	.	.	.	.	.	3
July	.	.	.	.	.	.	.	.	.	11
August	.	.	.	.	.	.	.	.	.	9
September	.	.	.	.	.	.	.	.	.	11
October	.	.	.	.	.	.	.	.	.	6
November	.	.	.	.	.	.	.	.	.	7
December	.	.	.	.	.	.	.	.	.	7

## NUMBER OF BELL ALARMS DURING THE DAY AND NIGHT.

From 7 A. M. to 7 P. M.	.	.	.	.	.	.	.	.	63
From 7 P. M. to 7 A. M.	.	.	.	.	.	.	.	.	30

## STATEMENT OF THE NUMBER OF MILES RUN BY EACH COMPANY.

Engine Company, No. 1	.	.	.	.	.	118 miles
Engine Company, No. 4	.	.	.	.	.	112 miles
Hose Company, No. 1	.	.	.	.	.	128 $\frac{1}{4}$ miles
Hose Company, No. 2	.	.	.	.	.	120 miles
Hose Company, No. 3	.	.	.	.	.	61 miles
Hose Company, No. 5	.	.	.	.	.	124 miles
Ladder Company, No. 1	.	.	.	.	.	224 miles

## STATEMENT OF THE NUMBER OF FEET OF HOSE LAID BY EACH COMPANY.

Engine Company, No. 1	.	.	.	.	.	10,000 feet
Engine Company, No. 4	.	.	.	.	.	9,400 feet
Hose Company, No. 1	.	.	.	.	.	12,350 feet
Hose Company, No. 2	.	.	.	.	.	7,500 feet
Hose Company, No. 3	.	.	.	.	.	10,750 feet
Hose Company, No. 5	.	.	.	.	.	8,500 feet

STATEMENT OF THE NUMBER OF FEET OF LADDERS USED BY EACH COMPANY.

Engine Company No. 1	. . . . .	13 feet
Engine Company No. 4	. . . . .	630 feet
Hose Company No. 1	. . . . .	865 feet
Hose Company No. 2	. . . . .	260 feet
Hose Company No. 3	. . . . .	90 feet
Hose Company No. 5	. . . . .	126 feet
Ladder Company No. 1	. . . . .	2,757 feet

NUMBER OF STILL ALARMS ANSWERED BY EACH COMPANY.

Engine Company No. 1	. . . . .	4
Engine Company No. 4	. . . . .	2
Hose Company No. 1	. . . . .	15
Hose Company No. 2	. . . . .	2
Hose Company No. 3	. . . . .	4
Hose Company No. 5	. . . . .	2
Ladder Company No. 1	. . . . .	4

HYDRANTS.

For prompt and efficient work, more hydrants should be located than at present, and I would particularly recommend the location of the same at or near the following places.

- Ashland street, 400 feet from Summer street.
- Auburn avenue, opposite No. 6.
- Bonair street, opposite No. 48.
- Broadway, corner of Clarendon avenue.
- Cherry street, between Summer street and Sartwell avenue.
- Cherry street, opposite Sartwell avenue.
- Claremon street, 300 feet south of Holland street.
- Corner of Central and Atherton streets.
- Corner of Central street and York Terrace.
- Corner of Chandler and William streets.
- Corner of Chester avenue and Cross street.

- Corner of Cross street and Everett avenue.
- Corner of Elm end Chapel streets.
- Conrer of Flint and Rush streets.
- Corner of Francesca and Liberty avenues.
- Corner of Hancock and Elm streets.
- Corner of Highland and Lesley avenues.
- Corner of Lesley and Lexington avenues.
- Corner of Pitman and Harvard streets.
- Corner Sacramento and Miller streets.
- Corner of Somerville avenue and Belmont street.
- Corner of Summer and Elston streets.
- Corner of Throndike and Howard streets.
- Flint street, opposite No. 102.
- Florence street, opposite No. 54.
- Franklin street, opposite No. 22.
- Gorham street, 300 feet south of Holland street.
- Linden avenue, opposite Linden place.
- Otis street, opposite No. 25.
- Porter street, opposite Evergreen Square.



ROSTER OF THE FIRE DEPARTMENT OF THE CITY  
OF SOMERVILLE OF 1893.

*Chief Engineer*, JAMES R. HOPKINS.

*Assistant Engineer*, NATHANIEL C. BARKER.

**ENGINE COMPANY No. 1.**

NAME.	RANK.	AGE.	OCCUPATION	RESIDENCE.
Frank Langer . .	Captain . .	32	Wood-moulder	Oxford St.
Benjamin H. Pond	Lieutenant . .	26	Merchant . .	Vinal Ave.
Wm. H. Whitcomb	Hoseman . .	31	Janitor . . .	Highland Ave.
Geo. L. Blackbird	Hoseman . .	39	Janitor . . .	Highland Ave.
Fred S. Young . .	Hoseman . .	25	Janitor . . .	School St.
Sewall M. Rich . .	Hoseman . .	26	Real estate . .	Medford St.
Oscar J. Lingley . .	Hoseman . .	32	Milkman . . .	Church St.
Fred A. Blackburn	Hoseman . .	23	Laborer . . .	Prescott St.
Walter N. Milliman	Hoseman . .	27	Cab-driver . .	Homer Sq.
Joseph Young . .	Hoseman . .	59	Janitor . . .	Highland Ave.
Henry A. Byrnes	Engineman . .	53	Engineman . .	Walnut St.
Wm. A. Burbank	A't. Engine'n . .	51	Asst. Eng'man . .	Gilman St.
Wm. A. Perry . .	Driver . . .	40	Driver . . .	Grand View Av.
Geo. H. Harris . .	Driver . . .	35	Driver . . .	Engine 1 House

**ENGINE COMPANY No. 4.**

NAME.	RANK.	AGE.	OCCUPATION	RESIDENCE.
Sam'l H. Stevens	C'pt. & Driv. . .	50	Driver . . .	Engine 4 House
Edwin F. Trefren	Lieutenant . .	37	Water Works . .	Morrison St.
Danforth S. Steele	Hoseman . .	41	Cabinet maker . .	Highland Ave.
Eugene H. Jones	Hoseman . .	28	Lineman . . .	Park Ave.
John F. Burton . .	Hoseman . .	37	Painter . . .	Highland Ave.
James J. Watkins	Hoseman . .	41	Tinsmith . . .	Broadway.
James I. King . .	Hoseman . .	28	Painter . . .	Cottage Ave.
Ephraim P. Cook	Hoseman . .	51	Janitor . . .	Winter St.
Joseph A. Sander	Hoseman . .	29	Teamster . . .	Howard St.
Lindolph D. Bixby	Engineman . .	51	Engineer . . .	Highland Ave.
John Gillooly . .	A't. Engine'n . .	38	Asst. Engineer . .	Winslow Ave.
Chas. H. Stearns	Driver . . .	38	Driver . . .	Highland Ave.
Frank A. Hersey	Hoseman . .	38	Fireman . . .	Meacham St.
Arthur M. Gilman	Hoseman . .	28	Fireman . . .	Holland St.

## HOSE COMPANY No. 1.

NAME.	RANK.	AGE.	OCCUPATION.	RESIDENCE.
Thomas H. Daley	C'pt. & Driv.	48	Driver . . .	Webster St.
John Frizzell . .	Lieutenant .	37	Painter . . .	Everett Ave.
Edgar F. Shaw .	Hoseman .	40	Rest'ant keeper	Cross St.
Clarence J. Cook	Hoseman .	36	Rubber worker	Pearl St.
George North . .	Hoseman .	30	Stair builder .	Greenville St.
Elisha Grant . .	Hoseman .	39	Carpenter . .	Cross St.
Jas. W. McDonald	Hoseman .	36	Milkman . .	Webster St.
Wm. J. Logan .	Hoseman .	52	Painter . . .	Cross St.
Jas. E. Lovejoy .	Hoseman .	30	Undertaker .	Webster St.
Arthur C. Sellon	Hoseman .	32	Light trimmer	Glen St.

## HOSE COMPANY No. 2.

NAME.	RANK.	AGE.	OCCUPATION.	RESIDENCE.
Frank W. Ring .	Captain . .	40	Teamster . .	Wheatland St.
Daniel R. Spike .	Lieutenant .	48	Janitor . . .	Broadway
Chas. H. Timson	Hoseman .	34	Teamster . .	Marshall St.
Edwin R. Perham	Hoseman .	43	Expressman .	Marshall St.
Chas. A. Woodbury	Hoseman .	40	Teamster . .	Sargent Ave.
Wm. F. Marble .	Hoseman .	42	Fish dealer .	Jaques St.
Albert Irish . .	Hoseman .	38	Grocer . . .	Marshall St.
Harry Spike . .	Hoseman .	21	Printer . . .	Broadway
Melville Webber .	Hoseman .	22	Coal dealer .	Jaques St.
Edward W. Ring	Driver . .	47	Driver . . .	Marshall St.

## HOSE COMPANY No. 3.

NAME.	RANK.	AGE.	OCCUPATION.	RESIDENCE.
Charles Trull . .	C'pt. & Driv.	62	Driver . . .	Prospect St.
Alfred R. Higgins	Lieutenant .	43	Cooper . . .	Everett St.
Frank L. Draper .	Hoseman .	41	Machinist . .	Medford St.
Chas. H. Bridges	Hoseman .	44	Machinist . .	Medford St.
John H. Cuddy .	Hoseman .	41	Laborer . . .	Bow-St. Place
Thomas W. Joy .	Hoseman .	39	Cooper . . .	Allen St.
Henry J. Turner .	Hoseman .	28	Teamster . .	May Place
Joseph A. Cribby	Hoseman .	28	Teamster . .	Washington St.
Jas. F. Henderson	Hoseman .	42	Painter . . .	Kingman Court
Francis S. Brown	Hoseman .	47	Cooper . . .	Washington St.

HOSE COMPANY No. 5.

NAME.	RANK.	AGE.	OCCUPATION.	RESIDENCE.
Irving C. Jackson	C'pt. & Driv.	46	Driver . . .	Belmont St.
Wm. J. Blaisdell .	Lieutenant .	47	Painter . . .	Quincy St.
James H. Banks .	Hoseman .	41	Coffin mfr. .	Beacon St.
Charles H. Hilt .	Hoseman .	46	Coffin mfr. .	Beacon St.
Fred. G. Jones .	Hoseman .	28	Paper hanger .	Somerville Ave.
Oscar P. Sheltus	Hoseman .	38	Coffin mfr. .	Somerville Ave.
Wm. H. Hutchins	Hoseman .	30	Driver . . .	Dane St.
Danl W McDermott	Hoseman .	49	Painter . . .	Somerville Ave.
Martin E. Driscoll	Hoseman .	23	Painter . . .	Somerville Ave.
Thomas Lingley .	Hoseman .	27	Carpenter . .	Church St.

LADDER COMPANY No. 1.

NAME.	RANK.	AGE.	OCCUPATION.	RESIDENCE.
Melvin B. Ricker	C'pt. & Driv.	52	Driver . . .	Washington St.
Horace P. Ewell .	Lieutenant .	36	Carpenter . .	Bow-St. Place.
Wm. A. McLane	Ladderman .	34	Engineer . . .	Clark St.
John E. Hill . .	Ladderman .	48	Salesman . . .	Cherry St.
Patrick J. Follan .	Ladderman .	34	Upholsterer .	Washington St.
James M. Gould .	Ladderman .	48	Printer . . .	Harvard Pl.
Jas. D. Perkins, Jr.	Ladderman .	33	Paper hanger .	Allen St.
Chas. A. Southwick	Ladderman .	36	Laborer . . .	Clark St.
Martin S. Leacy .	Ladderman .	31	Painter . . .	Prospect St.
Wm. J. Jones . .	Ladderman .	39	Machinist . .	School St.
George A. Page .	Ladderman .	38	Laborer . . .	Webster Ave.
Charles E. Shaw .	Ladderman .	39	Paper hanger .	Highland Ave.
Richard F. Clarkson	Ladderman .	34	Foreman . . .	Allen St.
Jas. E. Thompson	Ladderman .	23	Laborer . . .	Webster St.
Chas. W. Ferguson	Ladderman .	26	Carpenter . .	Florence St.

JAMES R. HOPKINS,

*Chief of Fire Department.*



REPORT

OF THE

COMMITTEE ON FUEL AND STREET  
LIGHTS.



REPORT

OF THE

COMMITTEE ON FUEL AND STREET  
LIGHTS.

## CITY OF SOMERVILLE.

---

IN BOARD OF ALDERMEN, January 10, 1894.

Referred to the committee on printing, to be printed in the annual reports. Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

---

IN COMMON COUNCIL, January 10, 1894.

Concurred in.

CHARLES S. ROBERTSON, *Clerk.*



# CITY OF SOMERVILLE.

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IN COMMITTEE ON FUEL AND STREET LIGHTS, }  
January 1, 1894. }

*To the City Council of Somerville:—*

The following is the final report of the Committee on Fuel and Street Lights for the year ending December 31, 1893.

## SCHOOL FUEL ACCOUNT.

### CREDIT.

Appropriation . . . . .	\$8,000.00
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### DEBIT.

Expenditures:—

For fuel to Beach-street School	\$149.68
Bell School .	457.85
Bennett School .	160.38
Bingham School .	120.83
Burns School .	85.13
Cedar-street School	38.69
Cummings School .	80.25
Davis School .	284.46
Edgerly School .	724.89
Forster School .	539.60
Franklin School .	206.83
Glines School .	431.66

<i>Amounts carried forward .</i>	<u>\$3,280.25</u>	<u>\$8,000.00</u>
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<i>Amounts brought forward</i>	\$3,280.25	\$8,000.00
Harvard School	42.75	
High School	435.75	
Highland School	735.30	
Jackson School	214.58	
Knapp School	722.08	
Lincoln School	202.57	
Morse School	648.43	
Prescott School	468.59	
Pope School	1,130.25	
Prospect Hill School	216.75	
Webster School	206.75	
	<hr/>	
	\$8,304.05	
Thomas Groom & Co., (books.)	8.00	
	<hr/>	
Total debit	.	\$8,312.05
		<hr/>
Amount overdrawn	.	<u>\$312.05</u>

STREET LIGHTS ACCOUNT.

CREDIT.

Appropriation.	\$42,000.00	
Receipts, for old iron sold	8.33	
	<hr/>	
Total credit	.	\$42,008.33

DEBIT.

Expenditures :—		
For electric lighting	\$39,305.55	
lighting and care of oil lamps	39.45	
moving street lamps	35.13	
changing locations of electric lights and poles	22.41	
	<hr/>	
Total debit	.	\$39,402.54
		<hr/>
Balance unexpended	.	<u>\$2,605.79</u>

## FUEL.

Under an order dated July 26, authorizing this committee to make contracts with the Baker-Hunnewell Company, Horatio Wellington & Company, B. F. Wild & Company, and George M. Winslow & Company, for the furnishing of such fuel as might be required at the various school houses and public buildings to October 1, at the following prices :

FURNACE COAL.	EGG COAL.	STOVE COAL.	SOFT WOOD.	HARD WOOD.
\$5.35	\$5.35	\$5.35	\$5.75	\$7.75

the fuel was furnished as authorized by said order and placed in the various school houses and public buildings. The price paid for coal during the year was fifteen cents a ton in advance of the contract price for 1892.

## STREET LIGHTS.

The three oil lamps on Boston Avenue near the Medford line, which are cared for by the Wheeler Reflector Company, have been continued during the past year, at an expense of \$39.45. The remainder of the city is lighted by electricity, under the contract made October 1, 1892, for five years, with the Somerville Electric Light Company. The price per year paid for the arc lights is \$120.00 each and for the incandescent lights \$25.00, burning every night and all night. The number of arc lights Jan. 1, 1893, was 276, and of incandescent lights, 222. During the year there have been added 42 arc lights and 14 incandescents, and 26 incandescent lights have been discontinued; making a total of 318 arc lights in the city December 31, 1893, and 210 incandescents.

The street lights were under the charge of Mr. Thomas R. Roulstone, inspector of buildings and superintendent of public

buildings and lights, until May 24, when, in pursuance of a change made in the city ordinances, relieving the superintendent of public buildings of the care of the street lights, Mr. Leighton W. Manning was appointed Superintendent of electric lines and lights. This change has worked to good advantage, as the new superintendent gives all his time to the supervision of the lights and the poles and wires in the city. Much better service has been obtained, and already our streets show a decided improvement in the style and condition of the poles and wires therein.

	OIL LAMPS.	ARC ELECTRIC LAMPS.	INCANDESCENT ELECTRIC LAMPS.	TOTAL.
Lamps in the city January 1, 1893, as per last report . . . . .	3	276	222	501
Erected during the year . . . . .	—	42	14	56
Discontinued during the year . . . . .	—	—	26	26
Lamps now in service . . . . .	3	318	210	531

For locations of lights see report of the superintendent of electric lines and lights.

For the Committee,

CHARLES B. SANBORN, *Chairman.*

WILLIAM P. MITCHELL, *Clerk.*

REPORT  
OF THE  
SUPERINTENDENT OF LIGHTS.

## CITY OF SOMERVILLE.

---

IN BOARD OF ALDERMEN, January 10, 1894.

Referred to the committee on printing, to be printed in the annual reports. Sent down for concurrence.

GEORGE I. VINCENT, *Clerk*.

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IN COMMON COUNCIL, January 10, 1894.

Concurred in.

CHARLES S. ROBERTSON, *Clerk*.

## CITY OF SOMERVILLE.

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OFFICE OF SUPERINTENDENT OF ELECTRIC LINES }  
AND LIGHTS, CITY HALL, January 1, 1893. }

*To His Honor the Mayor and City Council:—*

GENTLEMEN,—I have the honor to submit my report relating to street lights for the year 1893.

There were in the city, on January 1, 1893, 501 street lamps. During the year 42 electric arcs and 14 incandescents have been added, and 26 incandescents discontinued, making the number in the city During 31, 1893, 3 oil lamps, 318 electric arcs, and 210 incandescents. Three of the arc lights are situated on city parks, one on Central Hill and two on Broadway.

The arc and incandescent lights are to burn, by terms of the contract made for five years from October 1, 1892, 3,828 hours in each year. A schedule of the time of lighting and extinguishing is given to the company each month by me.

A fine of six cents per hour for arc and one cent per hour for incandescent lights is imposed on the company for all lights out during the time they should be in service. The way of obtaining the outs is by the police patrolmen, the best way yet devised, as the police cover the whole city, and a report from them each morning comes as near being correct as any that can be obtained without great expense. At present the Electric Light Co. has but one man to patrol the entire city. On account of the increase of lights and time of burning, this is an insufficient force. I would therefore recommend that the Electric Light Company appoint an additional

patrolman. I would also recommend the purchase of an am-meter and also a volt-meter for general tests in ascertaining the quantity of light.

In many places we are not getting the best results from our lamps on account of the trees which shade our streets. The only remedy for this will be a general trimming, which it is hoped can be done before the trees leaf out in the spring.

The electric arc lamps in streets are placed as follows: Four upon iron extensions which belong to the city, one (in Union Square) on iron extension belonging to West End Street Railway Company, three suspended across the street, twenty-two upon wooden poles and two hundred eighty-five upon arms.



ELECTRIC STREET LIGHTS.

The following table gives the location of lights, their kinds, and how placed:—

ELECTRIC ARC LIGHTS.	ON POLES.	ON ARMS.	SUSPENDED.	ON IRON EXTENSIONS.
Adrian street, near Knapp School . . . . .	..	1	..	..
Albion street, cor. Centre street . . . . .	..	1	..	..
Albion street, near Cedar street . . . . .	..	1	..	..
Alpine street . . . . .	..	1	..	..
Ames street, opp. Miner street . . . . .	..	1	..	..
Appleton street, cor. Newberne street . . . . .	..	1	..	..
Arlington street, near Hathorn street . . . . .	..	1	..	..
Arthur street, between Broadway and Bonair . . . . .	..	1	..	..
Ashland street, cor. Sartwell avenue . . . . .	..	1	..	..
Auburn avenue, in front of estate No. 21 . . . . .	..	1	..	..
Austin street, cor. Benedict street . . . . .	1	..	..	..
Bartlett street, opp. Robinson street . . . . .	..	1	..	..
Beach street, at bend . . . . .	..	1	..	..
Beacon street, between Sacramento and Harris sts. . . . .	..	1	..	..
Beacon street, cor. Kent street . . . . .	..	1	..	..
Beacon street, cor. Sacramento street . . . . .	..	1	..	..
Beacon street, cor. Washington street . . . . .	..	1	..	..
Beacon street, opp. Buckingham street . . . . .	..	1	..	..
Beacon street, opp. Concord Avenue . . . . .	..	1	..	..
Beacon street, opp. Forest street . . . . .	..	1	..	..
Beacon street, opp. Ivaloo street . . . . .	..	1	..	..
Beacon street, opp. Park street . . . . .	..	1	..	..
Belmont street, cor. Belmont place . . . . .	..	1	..	..
Benton avenue, opp. Gibbens street . . . . .	..	1	..	..
Berkeley street, cor. Hersey street . . . . .	..	1	..	..
Bonair street, cor. Arthur street . . . . .	..	1	..	..
Bond street, at elbow . . . . .	..	1	..	..
Boston street, cor. Greenville street . . . . .	..	1	..	..
Boston street, cor. Prospect Hill avenue . . . . .	1	..	..	..
Bow street, cor. Bow-street place . . . . .	..	1	..	..
Bow street, cor. Walnut street . . . . .	..	1	..	..
Bow street, cor. Wesley park . . . . .	..	1	..	..
Brastraw avenue . . . . .	..	1	..	..
Broadway, at Willow Bridge over B. & L. R. R. . . . .	..	1	..	..
Broadway, cor. Adams street . . . . .	..	1	..	..
Broadway, cor. Benedict avenue . . . . .	..	1	..	..

ELECTRIC STREET LIGHTS.— *Continued.*

ELECTRIC ARC LIGHTS.	ON POLES.	ON ARMS.	SUSPENDED.	ON IRON EXTENSIONS.
Broadway, cor. Cedar street . . . . .	::	1	::	::
Broadway, cor. Dartmouth street . . . . .	::	1	::	::
Broadway, cor. Elm street . . . . .	1	::	::	::
Broadway, cor. Endicott avenue . . . . .	::	1	::	::
Broadway, cor. Fenwick avenue . . . . .	::	1	::	::
Broadway, cor. Holland street . . . . .	1	::	::	::
Broadway, cor. Main street . . . . .	1	::	::	::
Broadway, cor. Marshall street . . . . .	::	::	::	1
Broadway, cor. Medford street . . . . .	::	1	::	::
Broadway, cor. North street . . . . .	1	::	::	::
Broadway, opp. Packard avenue . . . . .	::	1	::	::
Broadway, cor. Union street . . . . .	::	1	::	::
Broadway, cor. Wallace street . . . . .	::	1	::	::
Broadway, cor. Willow avenue . . . . .	::	1	::	::
Broadway, front of estate No. 285 . . . . .	::	1	::	::
Broadway, opp. Cross street . . . . .	::	1	::	::
Broadway, opp. Franklin street . . . . .	::	1	::	::
Broadway, opp. Glen street . . . . .	::	1	::	::
Broadway, opp. Partridge avenue . . . . .	::	1	::	::
Broadway, opp. School street . . . . .	::	1	::	::
Broadway Parkway . . . . .	4	::	::	::
Carlton street, cor. Lake street . . . . .	::	1	::	::
Cedar street, opp. Clyde street . . . . .	1	::	::	::
Central street, at Berkeley street . . . . .	::	1	::	::
Central street, between estates No. 192 and 194 . . . . .	::	1	::	::
Central street, opp. Albion street . . . . .	::	1	::	::
Central street, opp. Forster street . . . . .	::	1	::	::
Central street, opp. Vernon street . . . . .	::	1	::	::
Chandler street, near Chapel street . . . . .	::	1	::	::
Chandler street, near William street . . . . .	::	1	::	::
Chauncey avenue . . . . .	::	1	::	::
Chestnut street . . . . .	::	1	::	::
Church street . . . . .	::	1	::	::
Claremon street . . . . .	::	1	::	::
Columbia street . . . . .	::	1	::	::
Columbus avenue, cor. Bonner avenue . . . . .	::	1	::	::
Columbus avenue, cor. Warren avenue . . . . .	::	1	::	::
Concord avenue, at Leon street . . . . .	1	::	::	::
Concord avenue, at Springfield street . . . . .	::	1	::	::
Concord square, opp. Knapp School . . . . .	::	1	::	::
Cottage avenue, in front of estate No. 21 . . . . .	::	1	::	::
Craigie street . . . . .	::	1	::	::
Crescent street, cor. Pearl street . . . . .	::	1	::	::
Crocker street, at Hospital . . . . .	1	::	::	::

ELECTRIC STREET LIGHTS.—*Continued.*

ELECTRIC ARC LIGHTS.	ON POLES.	ON ARMS.	SUSPENDED.	ON IRON EXTENSIONS.
Cross street, at Lowell Railroad Bridge . . . . .	1	..	..	..
Cross street, cor. Oliver street . . . . .	..	1	..	..
Cross street, cor. Otis street . . . . .	..	1	..	..
Cross street, cor. Pearl street . . . . .	..	1	..	..
Cross street, opp. estate No. 62 . . . . .	..	1	..	..
Curtis street, cor. Professors' Row . . . . .	..	1	..	..
Curtis street, opp. Fairmount avenue . . . . .	..	1	..	..
Cutter street, near Sibley court . . . . .	..	1	..	..
Cypress street, between Central and Beach street	..	1	..	..
Dana street, cor. Otis street . . . . .	..	1	..	..
Dane street, opp. Dane court . . . . .	..	1	..	..
Davis square . . . . .	..	..	..	1
Day street, cor. Orchard street . . . . .	..	1	..	..
Day street, opp. Herbert street . . . . .	..	1	..	..
Delaware street, at elbow . . . . .	..	1	..	..
Elm street, at White street . . . . .	..	1	..	..
Elm street, cor. Beach street . . . . .	1	..	..	..
Elm street, cor. Chester street . . . . .	..	1	..	..
Elm street, cor. Kenwood street . . . . .	..	1	..	..
Elm street, cor. Mossland street . . . . .	..	1	..	..
Elm street, cor. Russell street . . . . .	..	1	..	..
Elm street, cor. William street . . . . .	..	1	..	..
Elm street, opp. Davenport street . . . . .	..	1	..	..
Elm street, opp. Morrison street . . . . .	..	1	..	..
Elm street, opp. Porter street . . . . .	..	1	..	..
Elm street, opp. Winter street . . . . .	..	1	..	..
Elmwood street, in front of estate No. 22 . . . . .	..	1	..	..
Everett avenue, opp. estate No. 23 . . . . .	..	1	..	..
Evergreen avenue, at Dartmouth street . . . . .	..	1	..	..
Evergreen avenue, at Marshall street . . . . .	..	1	..	..
Evergreen avenue, at School street . . . . .	..	1	..	..
Evergreen avenue, at Thurston street . . . . .	1	..	..	..
Flint street, opp. Flint place . . . . .	..	1	..	..
Flint street, opp. Rush street . . . . .	..	1	..	..
Florence street, between estates No. 33 and 35 . . . . .	..	1	..	..
Fountain avenue, opp. estate No. 12 . . . . .	..	1	..	..
Franklin street, opp. Flint street . . . . .	..	1	..	..
Franklin street, opp. Perkins street . . . . .	..	1	..	..
Fremont street, between estates No. 11 and 17 . . . . .	..	1	..	..
Frost avenue, at bend . . . . .	..	1	..	..
Gilman square . . . . .	..	..	..	1
Gilman street, cor. Aldrich street . . . . .	..	1	..	..
Gilman street, opp. Jasper street . . . . .	..	1	..	..
Glen street, between Pearl and Flint streets . . . . .	..	1	..	..
Glen street, opp. Brook street . . . . .	..	1	..	..

ELECTRIC STREET LIGHTS.—*Continued.*

ELECTRIC ARC LIGHTS.	ON POLES.	ON ARMS.	SUSPENDED.	ON IRON EXTENSIONS.
Gorham street, near Howard street . . . . .	..	1	..	..
Grand View avenue . . . . .	..	1	..	..
Grant street, cor. Sewall street . . . . .	..	1	..	..
Greene street, at bend . . . . .	..	1	..	..
Hancock street . . . . .	..	1	..	..
Harvard street, cor. Harvard place . . . . .	..	1	..	..
Heath street, opp. estate No. 44 . . . . .	..	1	..	..
High street, opp. Prospect Hill avenue . . . . .	..	1	..	..
Highland avenue, at Central street . . . . .	..	..	1	..
Highland avenue, cor. Belmont street . . . . .	..	1	..	..
Highland avenue, cor. Cedar street . . . . .	..	1	..	..
Highland avenue, cor. Cherry street . . . . .	..	1	..	..
Highland avenue, cor. Grove street . . . . .	..	1	..	..
Highland avenue, cor. Medford street . . . . .	..	1	..	..
Highland avenue, cor. Porter street . . . . .	..	1	..	..
Highland avenue, cor. School street . . . . .	..	1	..	..
Highland avenue, cor. Walnut street . . . . .	..	1	..	..
Highland avenue, cor. West street . . . . .	..	1	..	..
Highland avenue, cor. Willow avenue . . . . .	..	1	..	..
Highland avenue, opp. Prescott street . . . . .	..	1	..	..
Highland avenue, opp. Trull lane . . . . .	..	1	..	..
Holland street, cor. Cameron avenue . . . . .	..	1	..	..
Holland street, opp. Gorham street . . . . .	..	1	..	..
Holland street, opp. Wallace street . . . . .	..	1	..	..
Hudson street, near Benton avenue . . . . .	..	1	..	..
Hudson street, cor. Lowell street . . . . .	..	1	..	..
Irving street, near Holland street . . . . .	..	1	..	..
Jaques street, cor. Temple street . . . . .	..	1	..	..
Jenny Lind avenue, between Medford and Ver- non streets . . . . .	..	1	..	..
Joy street, cor. Leonard place . . . . .	..	1	..	..
Kingman court . . . . .	..	1	..	..
Kingston street, opp. Campbell Park . . . . .	..	1	..	..
Laurel street, near Greene street . . . . .	..	1	..	..
Lincoln street, at Lincoln avenue . . . . .	..	1	..	..
Linden avenue, cor. Linden place . . . . .	..	1	..	..
Linden avenue, near Elm street . . . . .	..	1	..	..
Line street, cor. Cooney street . . . . .	..	1	..	..
Linwood street, between Poplar and Washington streets . . . . .	..	1	..	..
Linwood street, cor. Poplar street . . . . .	1	..	..	..
Lowell street, between Summer street and Som- erville avenue . . . . .	..	1	..	..
Lowell street, cor. Fiske avenue . . . . .	..	1	..	..
Lowell street, opp. Wilton street . . . . .	..	1	..	..

ELECTRIC STREET LIGHTS. — *Continued.*

ELECTRIC ARC LIGHTS.	ON POLES.	ON ARMS.	SUSPENDED.	ON IRON EXTENSIONS.
Madison street . . . . .	..	1	..	..
Main street, cor. Moreland street . . . . .	..	1	..	..
Maple street . . . . .	..	1	..	..
Marion street, cor. Cook street . . . . .	1	..	..	..
Marshall street, cor. Stickney avenue . . . . .	..	1	..	..
Marshall street, opp. Howe street . . . . .	..	1	..	..
Meacham street, opp. Kingston street . . . . .	..	1	..	..
Medford street, at Central square . . . . .	..	1	..	..
Medford street, cor. Central street . . . . .	..	1	..	..
Medford street, cor. Essex street . . . . .	..	1	..	..
Medford street, cor. Jenny Lind avenue . . . . .	..	..	1	..
Medford street, cor. Norwood avenue . . . . .	..	1	..	..
Medford street, cor. School street . . . . .	..	1	..	..
Medford street, cor. Somerville avenue . . . . .	..	1	..	..
Medford street, cor. South street . . . . .	..	1	..	..
Medford street, cor. Sycamore street . . . . .	..	1	..	..
Medford street, cor. Thurston street . . . . .	..	1	..	..
Medford street, cor. Walnut street . . . . .	..	1	..	..
Medford street, cor. Ward street . . . . .	..	1	..	..
Medford street, in front of estate No. 137 . . . . .	..	1	..	..
Miller street . . . . .	..	1	..	..
Montrose street . . . . .	..	1	..	..
Moore street, cor. Mead street . . . . .	..	1	..	..
Morgan street, at bend . . . . .	..	1	..	..
Morrison street, opp. Clifton street . . . . .	..	1	..	..
Morrison street, opp. Grove street . . . . .	..	1	..	..
Mt. Pleasant street . . . . .	..	1	..	..
Mt. Vernon street, at Lincoln avenue . . . . .	..	1	..	..
Myrtle street, at top of hill . . . . .	..	1	..	..
Myrtle street, near Washington street . . . . .	..	1	..	..
Mystic avenue, cor. North Union street . . . . .	..	1	..	..
Mystic street (Ward 1) . . . . .	..	1	..	..
Newton street, cor. Joseph street . . . . .	..	1	..	..
Newbury street . . . . .	..	1	..	..
Oak street, at bend . . . . .	..	1	..	..
Oakland avenue, cor. School street . . . . .	..	1	..	..
Oliver street, cor. Glen street . . . . .	..	1	..	..
Orchard street, cor. Chester street . . . . .	..	1	..	..
Orchard street, cor. Dover street . . . . .	..	1	..	..
Orchard street, cor. Russell street . . . . .	..	1	..	..
Park avenue, opp. Chandler street . . . . .	..	1	..	..
Park street, between Somerville avenue and Fitchburg Railroad . . . . .	..	1	..	..

ELECTRIC STREET LIGHTS.—*Continued.*

ELECTRIC ARC LIGHTS.	ON POLES.	ON ARMS.	SUSPENDED.	ON IRON EXTENSIONS.
Parker street, cor. Fremont avenue . . . . .	..	1	..	..
Partridge avenue, between Medford and Vernon streets . . . . .	..	1	..	..
Pearl street, cor. Aldrich street . . . . .	..	1	..	..
Pearl street, cor. Bradley street . . . . .	..	1	..	..
Pearl street, cor. Florence street . . . . .	..	1	..	..
Pearl street, cor. Franklin street . . . . .	..	1	..	..
Pearl street, cor. Glen street . . . . .	..	..	1	..
Pearl street, cor. Mt. Vernon street . . . . .	..	1	..	..
Pearl street, cor. Walnut street . . . . .	..	1	..	..
Perkins street, cor. Mt. Pleasant street . . . . .	..	1	..	..
Perkins street, opp. Pinckney street . . . . .	..	1	..	..
Pinckney street, between Pearl and Washington streets . . . . .	..	1	..	..
Prescott street . . . . .	..	1	..	..
Preston street, near School street . . . . .	..	1	..	..
Professors' row, at College avenue . . . . .	..	1	..	..
Professors' Row, at Packard avenue . . . . .	..	1	..	..
Prospect street, cor. Prospect place . . . . .	..	1	..	..
Prospect street, opp. Oak street . . . . .	..	1	..	..
Putnam street, midway between Highland avenue and Summer street . . . . .	..	1	..	..
Richardson street, opp. Henderson street . . . . .	1	..	..	..
Richdale avenue, opp. Lee street . . . . .	..	1	..	..
Rossmore street, midway between Somerville avenue and Washington street . . . . .	..	1	..	..
Rush street, cor. Brook street . . . . .	..	1	..	..
Sargent Avenue, cor. Sherman place . . . . .	..	1	..	..
School street, opp. Berkeley street . . . . .	..	1	..	..
School street, opp. Montrose street . . . . .	..	1	..	..
Sewall street, opp. Sewall court . . . . .	..	1	..	..
Springfield street, opp. Houghton street . . . . .	..	1	..	..
Somerville avenue, at Central street . . . . .	..	1	..	..
Somerville avenue, at Craigie street . . . . .	..	1	..	..
Somerville avenue, at Fitchburg Railroad Bridge . . . . .	1	..	..	..
Somerville avenue, at Fitchburg R. R. crossing . . . . .	..	1	..	..
Somerville avenue, at Spring street . . . . .	..	1	..	..
Somerville avenue, cor. Franklin court . . . . .	..	1	..	..
Somerville avenue, cor. Granite street . . . . .	..	1	..	..
Somerville avenue, cor. Laurel street . . . . .	..	1	..	..
Somerville avenue, cor. Prospect street . . . . .	..	1	..	..
Somerville avenue, cor. Sacramento street . . . . .	..	1	..	..
Somerville avenue, cor. School street . . . . .	..	1	..	..
Somerville avenue, cor. Washington street . . . . .	..	1	..	..
Somerville avenue, near Bow street . . . . .	..	1	..	..

ELECTRIC STREET LIGHTS.— *Continued.*

ELECTRIC ARC LIGHTS.	ON POLES.	ON ARMS.	SUSPENDED.	ON IRON EXTENSIONS.
Somerville avenue, near Mystic street . . .	..	1	..	..
Somerville avenue, near Oil Works at Fitchburg Railroad Crossing . . . . .	..	1	..	..
Somerville avenue, opp. Hawkins street . . .	..	1	..	..
Somerville avenue, opp. Poplar street . . .	..	1	..	..
Spring street, near estate No. 42 . . . . .	..	1	..	..
St. James avenue . . . . .	..	1	..	..
Summer street, cor. Belmont street . . . . .	..	1	..	..
Summer street, cor. Benton avenue . . . . .	..	1	..	..
Summer street, cor. Cedar street . . . . .	..	1	..	..
Summer street, cor. Central street . . . . .	..	1	..	..
Summer street, cor. Cherry street . . . . .	..	1	..	..
Summer street, cor. Porter street . . . . .	..	1	..	..
Summer street, cor. Prescott street . . . . .	..	1	..	..
Summer street, cor. Preston street . . . . .	..	1	..	..
Summer street, cor. Putnam street . . . . .	..	1	..	..
Summer street, cor. School street . . . . .	..	1	..	..
Summer street, cor. Spring street . . . . .	..	1	..	..
Summer street, cor. Willow avenue . . . . .	..	1	..	..
Summer street, opp. Windom street . . . . .	..	1	..	..
Summit street, cor. Billingham street . . . . .	..	1	..	..
Sycamore street, in front of estate No. 141 . . . . .	..	1	..	..
Sycamore street, near Madison street . . . . .	..	1	..	..
Temple street, opp. Derby street . . . . .	..	1	..	..
Tennyson street, between Forster and Medford streets . . . . .	..	1	..	..
Thorndike street . . . . .	..	1	..	..
Tremont street . . . . .	..	1	..	..
Tufts street, cor. Glen street . . . . .	..	1	..	..
Union square . . . . .	..	..	..	2
Vernon street, cor. Trull street . . . . .	1	..	..	..
Vinal avenue, opp. Aldersey street . . . . .	..	1	..	..
Vinal avenue, opp. Pleasant avenue . . . . .	..	1	..	..
Vine street, cor. Eliot street . . . . .	..	1	..	..
Wallace street . . . . .	..	1	..	..
Walnut street, cor. Columbus avenue . . . . .	..	1	..	..
Walnut street, opp. Mills street . . . . .	..	1	..	..
Walnut street, cor. Summit avenue . . . . .	..	1	..	..
Ware street . . . . .	..	1	..	..
Warren avenue, cor. Sanborn avenue . . . . .	..	1	..	..
Washington street, at Fitchburg Railroad Bridge	1	..	..	..
Washington street, at Medford street . . . . .	..	1	..	..
Washington street, cor. Bonner avenue . . . . .	..	1	..	..
Washington street, cor. Bowdoin street . . . . .	..	1	..	..
Washington street, cor. Calvin street . . . . .	..	1	..	..

ELECTRIC STREET LIGHTS. — *Concluded.*

ELECTRIC ARC LIGHTS.	ON POLES.	ON ARMS.	SUSPENDED.	ON IRON EXTENSIONS.
Washington street, cor. Florence street . . .	..	1	..	..
Washington street, cor. Mt. Vernon street . . .	..	1	..	..
Washington street, cor. Mystic street . . .	..	1	..	..
Washington street, cor. Washington avenue . . .	..	1	..	..
Washington street, opp. Franklin street . . .	..	1	..	..
Washington street, opp. Tufts street . . .	..	1	..	..
Washington street, opp. Joy street . . .	..	1	..	..
Webster avenue, junc. Newton street, at Fitchburg Railroad . . .	..	1	..	..
Webster avenue, opp. Everett street . . .	..	1	..	..
Webster avenue, opp. Norfolk street . . .	..	1	..	..
Webster avenue, opp. Prospect street . . .	..	1	..	..
Webster street, opp. Cutter street . . .	..	1	..	..
Webster street, opp. Rush street . . .	..	1	..	..
Wellington avenue, opp. Montgomery avenue . . .	..	1	..	..
Wheatland street, cor. Jaques street . . .	..	1	..	..
Willow avenue, opp. Morrison street . . .	..	1	..	..
Wilton street, cor. Lawrence street . . .	..	1	..	..
Wyatt street . . .	..	1	..	..
	—	—	—	—
Total . . . . .	22	285	3	5



## LOCATIONS OF INCANDESCENT LIGHTS.

LOCATION.	LOCATION.
Adams street, opposite No. 18.	College avenue. (2)
Adams street, opposite No. 36.	Concord avenue, between Concord square and Prospect street.
Allen street, at end.	Craigie street, opposite No. 74.
Allen street, near Somerville avenue.	Crescent avenue, opposite No. 10.
Arnold court.	Curtis street, between Weare street and Raymond avenue.
Autumn street, cor. Louisburg place.	Dane court.
Avon street, first from School street.	Dane street, at Fitchburg railroad.
Avon street, opposite No. 24.	Dane street, corner Frost avenue.
Beach street, near Spring street.	Dane street, opposite No. 23.
Belmont street, between Highland avenue and Summer street.	Dell street.
Belmont street, corner Snow place.	Dickinson street, opposite Hammond street.
Benedict street, between Nos. 3 and 5.	Dover street.
Bleachery court. (2)	Elm place, near westerly end.
Bolton street.	Elm street, corner Chapel street.
Bolton street, corner Oak street.	Emerson street.
Bonair street, corner Cross street.	Everett street, opposite Emerson street.
Bonair street, corner Melvin street.	Fairmount avenue.
Bonair street, corner Wigglesworth street.	Fitchburg street.
Bonair street, in front of No. 85.	Flint street.
Bond street, near Broadway. (2)	Florence street, between Perkins and Pearl streets.
Boston street, corner High street.	Forster street, cor. Tennyson street.
Bow-street place.	Franklin avenue.
Bowdoin street, at Fremont avenue.	Franklin street, between Washington street and Hadley court.
Bradford avenue.	Franklin street, cor. Oliver street.
Broadway, between Liberty and Willow avenues.	Garden court. (2)
Broadway, near Arlington line.	George street.
Broadway place.	Giles place.
Cedar street, at Lowell R. R. bridge.	Gilman street, between Aldrich and Cross streets.
Cedar street, at railroad crossing.	Gilman street, cor. Walnut street.
Cedar street, opposite No. 14.	Granite street, opp. Knapp street.
Cedar street, opposite Sartwell Ave.	Hall street.
Central street, at Lowell R. R. bridge.	Hamlet street. (2)
Central street, opp. Hndson street.	Hanson street, cor. Durham street.
Central street, opposite No. 26.	Hanson street, cor. Skehan street.
Central street, opposite No. 32.	Harris street, near Beacon street.
Chapel court.	Heath street, opposite West street.
Chester avenue, opposite No. 19.	Hillside avenue.
Chester place.	Hinckley street, opp. Fiske avenue.
Cherry street, between Sartwell Ave. and Elm street.	Holt place, corner Oak street.
Church street, near Somerville Ave.	Homer square.
Claremon street, near Mead street.	Houghton street, opp. Bolton street.
Clarendon avenue, opposite Weston avenue.	Howe street, corner School street.
Clark street.	
Clyde street, corner Murdock street.	

ELECTRIC STREET LIGHTS.— *Concluded.*

ELECTRIC ARC LIGHTS.	ON POLES.	ON ARMS.	SUSPENDED.	ON IRON EXTENSIONS.
Washington street, cor. Florence street . . . . .	..	1	..	..
Washington street, cor. Mt. Vernon street . . . . .	..	1	..	..
Washington street, cor. Mystic street . . . . .	..	1	..	..
Washington street, cor. Washington avenue . . . . .	..	1	..	..
Washington street, opp. Franklin street . . . . .	..	1	..	..
Washington street, opp. Tufts street . . . . .	..	1	..	..
Washington street, opp. Joy street . . . . .	..	1	..	..
Webster avenue, junc. Newton street, at Fitchburg Railroad . . . . .	..	1	..	..
Webster avenue, opp. Everett street . . . . .	..	1	..	..
Webster avenue, opp. Norfolk street . . . . .	..	1	..	..
Webster avenue, opp. Prospect street . . . . .	..	1	..	..
Webster street, opp. Cutter street . . . . .	..	1	..	..
Webster street, opp. Rush street . . . . .	..	1	..	..
Wellington avenue, opp. Montgomery avenue . . . . .	..	1	..	..
Wheatland street, cor. Jaques street . . . . .	..	1	..	..
Willow avenue, opp. Morrison street . . . . .	..	1	..	..
Wilton street, cor. Lawrence street . . . . .	..	1	..	..
Wyatt street . . . . .	..	1	..	..
	—	—	—	—
Total . . . . .	22	285	3	5

## LOCATIONS OF INCANDESCENT LIGHTS.

LOCATION.	LOCATION.
Adams street, opposite No. 18.	College avenue. (2)
Adams street, opposite No. 36.	Concord avenue, between Concord square and Prospect street.
Allen street, at end.	Craigie street, opposite No. 74.
Allen street, near Somerville avenue.	Crescent avenue, opposite No. 10.
Arnold court.	Curtis street, between Weare street and Raymond avenue.
Autumn street, cor. Louisburg place.	Dane court.
Avon street, first from School street.	Dane street, at Fitchburg railroad.
Avon street, opposite No. 24.	Dane street, corner Frost avenue.
Beach street, near Spring street.	Dane street, opposite No. 23.
Belmont street, between Highland avenue and Summer street.	Dell street.
Belmont street, corner Snow place.	Dickinson street, opposite Hammond street.
Benedict street, between Nos. 3 and 5.	Dover street.
Bleachery court. (2)	Elm place, near westerly end.
Bolton street.	Elm street, corner Chapel street.
Bolton street, corner Oak street.	Emerson street.
Bonair street, corner Cross street.	Everett street, opposite Emerson street.
Bonair street, corner Melvin street.	Fairmount avenue.
Bonair street, corner Wigglesworth street.	Fitchburg street.
Bonair street, in front of No. 85.	Flint street.
Bond street, near Broadway. (2)	Florence street, between Perkins and Pearl streets.
Boston street, corner High street.	Forster street, cor. Tennyson street.
Bow-street place.	Franklin avenue.
Bowdoin street, at Fremont avenue.	Franklin street, between Washington street and Hadley court.
Bradford avenue.	Franklin street, cor. Oliver street.
Broadway, between Liberty and Wil- low avenues.	Garden court. (2)
Broadway, near Arlington line.	George street.
Broadway place.	Giles place.
Cedar street, at Lowell R. R. bridge.	Gilman street, between Aldrich and Cross streets.
Cedar street, at railroad crossing.	Gilmar street, cor. Walnut street.
Cedar street, opposite No. 14.	Granite street, opp. Knapp street.
Cedar street, opposite Sartwell Ave.	Hall street.
Central street, at Lowell R. R. bridge.	Hamlet street. (2)
Central street, opp. Hudson street.	Hanson street, cor. Durham street.
Central street, opposite No. 26.	Hanson street, cor. Skehan street.
Central street, opposite No. 32.	Harris street, near Beacon street.
Chapel court.	Heath street, opposite West street.
Chester avenue, opposite No. 19.	Hillside avenue.
Chester place.	Hinckley street, opp. Fiske avenue.
Cherry street, between Sartwell Ave. and Elm street.	Holt place, corner Oak street.
Church street, near Somerville Ave.	Homer square.
Claremon street, near Mead street.	Houghton street, opp. Bolton street.
Clarendon avenue, opposite Weston avenue.	Howe street, corner School street.
Clark street.	
Clyde street, corner Murdock street.	

LOCATIONS OF INCANDESCENT LIGHTS.— *Continued.*

LOCATION.	LOCATION.
<p>Irving street. (3)  Ivaloo street.  James street.  Jaques street, between Grant and Temple streets.  Jerome street, at bend.  Joseph street, corner Adrian street.  Joy street, opposite No. 68.  Kent court. (2)  Kent street, at railroad.  Lake street, between Hawkins and Carlton streets.  Lake street, cor. South Church street.  Lake street, corner Olive Square.  Laurel street, opposite No. 27.  Leon street, at Dickinson street.  Line street, between Cambridge line and Smith avenue.  Line street, between Cooney street and Smith avenue.  Line street, cor. Smith avenue.  Line street, near Washington street.  Linden street. (2)  London street.  Loring street, at end.  Loring street, cor. Somerville ave.  Lowell street, cor. Richardson street.  Lowell street, cor. Vernon street.  Madison street, near School street.  Maple avenue.  Marshall street, cor. Sherman court.  Mason avenue.  May place.  McGregor place.  Meacham street, opp. Orchard street.  Medford street, at Fitchburg railroad  Medford street, at J. P. Squires' fact'y  Medford street, cor. Adams street.  Medford street, cor. Greenville st.  Medford street, near Highland ave.  Medford street, opp. N. E. Dressed Meat and Wool Co.'s Works.  Mills street, opp. No. 23.  Mondamin court, junc. Harrison St.  Montrose street, cor. Sycamore st.  Munroe street, between Bigelow and Greenville streets.  Munroe street, between Boston street and Prospect Hill avenue.</p>	<p>Munroe street, between Walnut and Bigelow streets.  Murdock street. (2)  Myrtle street, between Perkins and Pearl streets.  Mystic avenue, cor. Austin street.  Mystic avenue, near Boston line.  Oakland avenue, opp. No. 10.  Otis street, opp. No. 25.  Oxford street, between Hersey and Central streets.  Oxford street, between Trull Lane and School street.  Oxford street, cor. Hersey street.  Park street, cor. Ivaloo street.  Pearl street, between Franklin street and Hillside avenue.  Pearl street, cor. Rush street.  Pearl-street place.  Pembroke street, near Sycamore st.  Perkins place.  Perkins street, cor. Mt. Vernon st.  Perkins street, opp. Florence street.  Perkins street, opp. Myrtle street.  Pitman street.  Pleasant avenue.  Poplar street, opp. Chestnut street.  Porter street, cor. Williams court.  Prospect street, between Oak street and Cambridge line.  Putnam street, opp. No. 65.  Quincy street, opp. No. 4.  Quincy street, opp. No. 23.  Richdale avenue.  School street, between Preston and Osgood streets.  Skehan street, cor. Dane street.  Somerville avenue, at Beach street.  Somerville avenue, at Belmont street.  Somerville avenue, in front of Estate No. 63.  South street, cor. Hunting street.  Summer street, between Harvard and Central streets.  Summer street, cor. Craigie street.  Stickney avenue, opp. No. 8.  Stickney avenue, opp. No. 24.  Summit avenue  Sunnyside avenue.</p>

LOCATIONS OF INCANDESCENT LIGHTS.— *Concluded.*

LOCATION.	LOCATION.
Sycamore street, opp. Forster street.	Walnut street, near Broadway.
Temple street, opp. No. 19.	Warwick street. (2)
Tenney court.	Washington street, between Kingman court and Hawkins street.
Thorpe place. (2)	Washington street, between Prospect street and Somerville avenue.
Tufts street, cor. Dell place.	Washington street, cor. Hanson st.
Tyler street, opp. Tower court.	Washington street, cor. Wyatt street.
Vernon street, cor. Jenny Lind ave.	Waverly street, at end.
Vernon street, opp. Bartlett street.	Webster street, near Franklin street.
Vernon street, opp. Miner street.	Wesley park.
Vinal avenue, cor. Summer street.	Wesley park, opp. No. 11.
Vine street, opp. Eliot street.	Wesley street, near Pearl street.
Vine street, opp. Hanson street.	Wilson avenue.
Vine street, opp. Tyler street.	Wigglesworth street, opp. Otis street.
Virginia street.	Wyatt street, cor. Cook street.
Waldo street.	
Walnut street, cor. Veazie street.	

Respectfully submitted,

LEIGHTON W. MANNING,

*Superintendent of Electric Lines and Lights.*



REPORT

OF THE

COMMITTEE ON PUBLIC PROPERTY.

CITY OF SOMERVILLE.

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IN BOARD OF ALDERMEN, January 10, 1894.

Referred to the committee on printing, to be printed in the annual reports. Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

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IN COMMON COUNCIL, January 10, 1894.

Concurred in.

CHARLES S. ROBERTSON, *Clerk.*



# CITY OF SOMERVILLE.

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IN COMMITTEE ON PUBLIC PROPERTY, }  
January 1, 1894. }

*To the City Council of Somerville:—*

The committee on public property presents the following report for the year 1893 :—

## POLICE STATION INCIDENTALS ACCOUNT.

### CREDIT.

Appropriation . . . . .	\$3,500.00	
Receipts for rent of armory . . . . .	400.00	
	<hr/>	
Total credit . . . . .		\$3,900.00

### DEBIT.

#### Expenditures :—

For janitor's salary . . . . .	\$850.00	
gas . . . . .	841.63	
fuel . . . . .	520.00	
water . . . . .	105.70	
repairs and improvements of building and furniture . . . . .	361.02	
incidentals . . . . .	61.31	
	<hr/>	
Total debit . . . . .		\$2,739.66
		<hr/>
Balance unexpended . . . . .		\$1,160.34

## SCHOOLHOUSE INCIDENTALS ACCOUNT.

## CREDIT.

Appropriation . . . . .	\$12,000.00	
Received from adjoining owners, part cost of division fences at Chas. G. Pope and Beach Street schools	54.34	
Insurance on Prospect Hill School	237.27	
Rental of ward-room Prescott School	1.00	
		<hr/>
Total credit . . . . .		\$12,292.61

## DEBIT.

## Expenditures:—

For repairs . . . . .	\$7,207.84	
improvements . . . . .	1,017.71	
furniture . . . . .	937.44	
repairing furniture and putting down same . . . . .	561.34	
repairing heating apparatus . . . . .	1,018.61	
insurance . . . . .	467.25	
repairing blackboards . . . . .	245.73	
emptying privy vaults . . . . .	104.00	
heat, rent, etc. (superintendent of schools' office) . . . . .	387.65	
school supplies . . . . .	188.39	
sidewalk assessments . . . . .	246.70	
books . . . . .	10.00	
carriage hire . . . . .	27.00	
incidentals . . . . .	20.45	
		<hr/>
Total debit . . . . .		\$12,440.11
		<hr/>
Amount overdrawn . . . . .		\$147.50
		<hr/> <hr/>

The expenditures at the various schoolhouses were as follows:—

*Beach-street.*

Repairs . . . . .	\$22.82	
Improvements . . . . .	230.53	
Repairing heating apparatus . . . . .	70.99	
Repairing furniture . . . . .	3.00	
Removing night soil . . . . .	20.00	
	<hr/>	347.34

*Luther V. Bell.*

Repairs . . . . .	\$352.36	
Improvements . . . . .	16.00	
Furniture . . . . .	37.75	
Repairing furniture . . . . .	13.00	
Repairing heating apparatus . . . . .	7.35	
Insurance . . . . .	38.30	
	<hr/>	464.76

*Bennett.*

Repairs . . . . .	577.93	
Furniture . . . . .	29.58	
Repairing furniture . . . . .	4.00	
Removing night soil . . . . .	20.00	
Insurance . . . . .	35.16	
	<hr/>	666.67

*Bingham.*

Repairs . . . . .	\$23.68	
Repairing heating apparatus . . . . .	4.73	
Repairing blackboards . . . . .	39.19	
	<hr/>	67.60

*Brastow.*

Repairs . . . . .		6.00
		<hr/>

*Amount carried forward . . . . .* \$1,552.37

*Amount brought forward* . . . . \$1,552.37

*Burns.*

Repairs . . . . .	\$105.90	
Repairing heating apparatus . . . . .	3.10	
	<hr/>	109.00

*Cedar-street.*

Repairs . . . . .	\$47.16	
Furniture . . . . .	18.00	
Removing night soil . . . . .	8.00	
Insurance . . . . .	13.70	
	<hr/>	86.86

*Cummings.*

Repairs . . . . .	\$238.12	
Repairing heating apparatus . . . . .	4.05	
Insurance . . . . .	10.25	
	<hr/>	252.42

*Davis.*

Repairs . . . . .	\$595.56	
Improvements . . . . .	167.40	
Furniture . . . . .	17.75	
Repairing furniture . . . . .	9.00	
Repairing heating apparatus . . . . .	15.85	
Sidewalk assessment . . . . .	133.67	
	<hr/>	939.23

*Edgerly.*

Repairs . . . . .	\$459.67	
Improvements . . . . .	293.78	
Furniture . . . . .	151.41	
Repairing furniture . . . . .	253.09	
Repairing heating apparatus . . . . .	12.45	
Insurance . . . . .	89.26	
	<hr/>	1,259.66

*Amount carried forward* . . . . \$4,199.54

*Amount brought forward* . . . . . \$4,199.54

*Forster.*

Repairs . . . . .	\$255.32	
Furniture . . . . .	25.45	
Repairing furniture . . . . .	52.00	
Repairing heating apparatus . . . . .	42.37	
Repairing blackboards . . . . .	65.60	
	<hr/>	440.74

*Franklin.*

Repairs . . . . .	\$200.45	
Furniture . . . . .	1.00	
Repairing furniture . . . . .	4.00	
Repairing heating apparatus . . . . .	3.10	
Removing night soil . . . . .	12.00	
Insurance . . . . .	65.62	
	<hr/>	286.17

*Jacob T. Glines.*

Repairs . . . . .	\$213.88	
Furniture . . . . .	252.40	
Repairing furniture . . . . .	9.00	
Repairing heating apparatus . . . . .	6.89	
	<hr/>	582.17

*Harvard.*

Repairs . . . . .	\$63.18	
Furniture . . . . .	3.00	
Repairing heating apparatus . . . . .	11.35	
Removing night soil . . . . .	8.00	
Insurance . . . . .	18.75	
	<hr/>	104.28

*High.*

Repairs . . . . .	\$180.48	
Furniture . . . . .	4.00	
Repairing furniture . . . . .	58.75	
Repairing heating apparatus . . . . .	4.88	
Insurance . . . . .	61.00	
	<hr/>	309.11

*Amount carried forward* . . . . . \$5,922.01

*Amount brought forward* . . . . . \$1,552.37

*Burns.*

Repairs . . . . .	\$105.90	
Repairing heating apparatus . . . . .	3.10	
	<hr/>	109.00

*Cedar-street.*

Repairs . . . . .	\$47.16	
Furniture . . . . .	18.00	
Removing night soil . . . . .	8.00	
Insurance . . . . .	13.70	
	<hr/>	86.86

*Cummings.*

Repairs . . . . .	\$238.12	
Repairing heating apparatus . . . . .	4.05	
Insurance . . . . .	10.25	
	<hr/>	252.42

*Davis.*

Repairs . . . . .	\$595.56	
Improvements . . . . .	167.40	
Furniture . . . . .	17.75	
Repairing furniture . . . . .	9.00	
Repairing heating apparatus . . . . .	15.85	
Sidewalk assessment . . . . .	133.67	
	<hr/>	939.23

*Edgerly.*

Repairs . . . . .	\$459.67	
Improvements . . . . .	293.78	
Furniture . . . . .	151.41	
Repairing furniture . . . . .	253.09	
Repairing heating apparatus . . . . .	12.45	
Insurance . . . . .	89.26	
	<hr/>	1,259.66

*Amount carried forward* . . . . . \$4,199.54

*Amount brought forward* . . . . . \$4,199.54

*Forster.*

Repairs . . . . .	\$255.32	
Furniture . . . . .	25.45	
Repairing furniture . . . . .	52.00	
Repairing heating apparatus . . . . .	42.37	
Repairing blackboards . . . . .	65.60	
	<hr/>	440.74

*Franklin.*

Repairs . . . . .	\$200.45	
Furniture . . . . .	1.00	
Repairing furniture . . . . .	4.00	
Repairing heating apparatus . . . . .	3.10	
Removing night soil . . . . .	12.00	
Insurance . . . . .	65.62	
	<hr/>	286.17

*Jacob T. Glines.*

Repairs . . . . .	\$213.88	
Furniture . . . . .	252.40	
Repairing furniture . . . . .	9.00	
Repairing heating apparatus . . . . .	6.89	
	<hr/>	582.17

*Harvard.*

Repairs . . . . .	\$63.18	
Furniture . . . . .	3.00	
Repairing heating apparatus . . . . .	11.35	
Removing night soil . . . . .	8.00	
Insurance . . . . .	18.75	
	<hr/>	104.28

*High.*

Repairs . . . . .	\$180.48	
Furniture . . . . .	4.00	
Repairing furniture . . . . .	58.75	
Repairing heating apparatus . . . . .	4.88	
Insurance . . . . .	61.00	
	<hr/>	309.11

*Amount carried forward* . . . . . \$5,922.01

*Amount brought forward* . . . . . \$5,922.01

*Highland.*

Repairs . . . . .	\$422.70	
Furniture . . . . .	62.25	
Repairing furniture . . . . .	27.00	
Repairing heating apparatus . . . . .	66.25	
	<hr/>	578.20

*Jackson.*

Repairs . . . . .	\$364.58	
Repairing furniture . . . . .	4.00	
Repairing heating apparatus . . . . .	2.75	
Removing night soil . . . . .	20.00	
	<hr/>	391.33

*O. S. Knapp.*

Repairs . . . . .	\$292.21	
Improvements . . . . .	310.00	
Furniture . . . . .	160.35	
Repairing furniture . . . . .	14.00	
Repairing heating apparatus . . . . .	126.60	
Repairing blackboards . . . . .	76.54	
Sidewalk assessment . . . . .	52.25	
	<hr/>	1,031.95

*Lincoln.*

Repairs . . . . .	\$430.54	
Furniture . . . . .	7.40	
Repairing furniture . . . . .	4.00	
Repairing heating apparatus . . . . .	70.02	
	<hr/>	511.96

*Amount carried forward* . . . . . \$8,435.45



*Amount brought forward* . . . . \$8,435.45

*Morse.*

Repairs . . . . .	\$161.53	
Repairing furniture . . . . .	15.00	
Repairing heating apparatus . . . . .	119.07	
	<hr/>	295.60

*Charles G. Pope.*

Repairs . . . . .	\$220.04	
Furniture . . . . .	33.00	
Repairing furniture . . . . .	15.00	
Repairing heating apparatus . . . . .	14.00	
Insurance . . . . .	40.00	
	<hr/>	322.04

*Prescott.*

Repairs . . . . .	\$1,179.58	
Furniture . . . . .	34.10	
Repairing furniture . . . . .	66.50	
Repairing heating apparatus . . . . .	92.23	
Repairing blackboards . . . . .	64.40	
	<hr/>	1,436.81

*Prospect Hill.*

Repairs . . . . .	\$682.93	
Repairing furniture . . . . .	8.00	
Repairing heating apparatus . . . . .	305.63	
Insurance . . . . .	45.80	
	<hr/>	1,042.36

*Spring Hill.*

Repairs . . . . .	\$32.98	
Repairing furniture . . . . .	2.00	
Repairing heating apparatus . . . . .	8.10	
	<hr/>	43.08

*Amount carried forward* . . . . \$11,575.34

*Amount brought forward* . . . . \$11,575.34

*Webster.*

Repairs . . . . .	\$78.24	
Repairing heating apparatus . . . . .	26.85	
Removing night soil . . . . .	16.00	
Insurance . . . . .	49.41	
	<hr/>	170.50

*Superintendent of Schools' Office.*

Rent . . . . .	\$292.00	
Heat . . . . .	50.00	
Furniture . . . . .	45.65	
	<hr/>	387.65
		<hr/>
		\$12,133.49

School supplies (mats, dusters, shovels &c.) . . . . .	\$188.39	
Carriage hire . . . . .	27.00	
Books . . . . .	10.00	
Sidewalk assessment, (Elm Street school lot.) . . . . .	60.78	
Incidentals . . . . .	20.45	
	<hr/>	306.62

Total expenditure, as above . . . . .		<hr/> <hr/>
		\$12,440.11

SCHOOLHOUSE, EDGERLY ADDITION ACCOUNT.

CREDIT.

Balance unexpended December 31, 1892 . . . . .	\$8,782.50	
Appropriated in 1893 . . . . .	3,500.00	
	<hr/>	
Total credit . . . . .		\$12,282.50
		<hr/>
<i>Amount carried forward</i> . . . . .		\$12,282.50

*Amount brought forward* . . . . . \$12,282.50

DEBIT.

Expenditures:—

George M. Starbird, on account contract . . . . .	\$5,851.00
George M. Starbird, extra work . . . . .	518.33
Samuel D. Kelley, architect . . . . .	566.00
Smith Warming and Ventilating Co., on account contract . . . . .	2,089.50
Furniture . . . . .	701.00
Electrical work . . . . .	145.00
Plastering . . . . .	385.00
Blackboards . . . . .	219.30
Door checks . . . . .	26.00
Wire guards . . . . .	38.96
Edgestones, circles and setting same . . . . .	334.84
Labor on sidewalk . . . . .	50.00
Concreting . . . . .	900.90

Total expenditure . . . . . \$11,825.83

Balance unexpended . . . . . \$456.67

SCHOOLHOUSE IN WARD THREE ACCOUNT.

(Jacob T. Glines School.)

CREDIT.

Appropriation . . . . . \$1,500.00

DEBIT.

Expenditures:—

Grading and setting edgestones . . . . .	\$694.65
Edgestones . . . . .	55.20
Concreting . . . . .	167.20
Furniture . . . . .	258.80
Putting down desks and chairs . . . . .	16.75
Expressing . . . . .	8.08

Total expenditures . . . . . 1,200.68

Balance unexpended . . . . . \$299.32

## SCHOOLHOUSE IN WARD FOUR ACCOUNT.

(South of Fitchburg Railroad.)

## CREDIT.

Appropriation . . . . .	\$15,000.00	
Less transfer to Schoolhouse, English High account . . . . .	7,500.00	
	<hr/>	
Net credit . . . . .		\$7,500.00

## DEBIT.

Paid Heirs of Samuel Knight, for land (13,883 feet) . . . . .	\$3,193.09	
City of Somerville, taxes for 1893 . . . . .	43.40	
Advertising for proposals . . . . .	18.90	
	<hr/>	
Total debit . . . . .		\$3,255.39
		<hr/>
Balance unexpended . . . . .		\$4,244.61
		<hr/> <hr/>

## BINGHAM SCHOOLHOUSE ADDITION ACCOUNT.

## CREDIT.

Appropriation . . . . .	\$10,000.00	
Transfer from Schoolhouse, English High account . . . . .	4,000.00	
Total credit . . . . .		\$14,000.00

## DEBIT.

Paid John Kelley on account of contract . . . . .	\$5,500.00	
Loring & Phipps, architects' ser- vices . . . . .	200.00	
Insurance . . . . .	10.00	
	<hr/>	
Total debit . . . . .		\$5,710.00
		<hr/>
Balance unexpended . . . . .		\$8,290.00
		<hr/> <hr/>

SCHOOLHOUSE, ENGLISH HIGH, ACCOUNT.

CREDIT.

Appropriation . . . . .	\$80,000.00	
Transfer from Schoolhouse in Ward Four acct.	\$7,500.00	
Less transfer to Bingham School Addition ac- count . . . . .	\$4,000.00	
	<u>          </u>	\$3,500.00
Total credit . . . . .		\$83,500.00

DEBIT.

Paid Hartwell & Richardson (archi- tects' services) . . . . .	\$2,000.00	
Advertising for proposals . . . . .	18.00	
	<u>          </u>	
Total debit . . . . .		\$2,018.00
Balance unexpended . . . . .		<u><u>\$81,482.00</u></u>

SCHOOL CONTINGENT ACCOUNT.

(Janitors' Salaries.)

CREDIT.

Appropriation . . . . .	\$10,000.00
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DEBIT.

Expenditures:—

For salaries paid janitors . . . . .	\$10,160.63
Amount overdrawn . . . . .	<u><u>\$160.63</u></u>

## SCHOOLHOUSE IN WARD FOUR ACCOUNT.

(South of Fitchburg Railroad.)

## CREDIT.

Appropriation . . . . .	\$15,000.00	
Less transfer to Schoolhouse, English High account . . . . .	7,500.00	
	<hr/>	
Net credit . . . . .		\$7,500.00

## DEBIT.

Paid Heirs of Samuel Knight, for land (13,883 feet) . . . . .	\$3,193.09	
City of Somerville, taxes for 1893 . . . . .	43.40	
Advertising for proposals . . . . .	18.90	
	<hr/>	
Total debit . . . . .		\$3,255.39
		<hr/>
Balance unexpended . . . . .		\$4,244.61
		<hr/> <hr/>

## BINGHAM SCHOOLHOUSE ADDITION ACCOUNT.

## CREDIT.

Appropriation . . . . .	\$10,000.00	
Transfer from Schoolhouse, English High account . . . . .	4,000.00	
Total credit . . . . .		\$14,000.00

## DEBIT.

Paid John Kelley on account of contract . . . . .	\$5,500.00	
Loring & Phipps, architects' ser- vices . . . . .	200.00	
Insurance . . . . .	10.00	
	<hr/>	
Total debit . . . . .		\$5,710.00
		<hr/>
Balance unexpended . . . . .		\$8,290.00
		<hr/> <hr/>

SCHOOLHOUSE, ENGLISH HIGH, ACCOUNT.

CREDIT.

Appropriation . . . . .	\$80,000.00	
Transfer from Schoolhouse in Ward Four acct.	\$7,500.00	
Less transfer to Bingham School Addition ac- count . . . . .	\$4,000.00	
	<u>          </u>	\$3,500.00
Total credit . . . . .		\$83,500.00

DEBIT.

Paid Hartwell & Richardson (archi- tects' services) . . . . .	\$2,000.00	
Advertising for proposals . . . . .	18.00	
	<u>          </u>	
Total debit . . . . .		\$2,018.00
Balance unexpended . . . . .		<u><u>\$81,482.00</u></u>

SCHOOL CONTINGENT ACCOUNT.

(Janitors' Salaries.)

CREDIT.

Appropriation . . . . .	\$10,000.00
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DEBIT.

Expenditures:—

For salaries paid janitors . . . . .	\$10,160.63
Amount overdrawn . . . . .	<u><u>\$160.63</u></u>

EXPENDITURES BY THIS COMMITTEE FROM MISCELLANEOUS ACCOUNT.

City Hall expenses:—

electric lighting . . . . .	\$300.00	
gas . . . . .	36.39	
fuel . . . . .	227.20	
water . . . . .	13.60	
telephone connections . . . . .	101.70	
furniture . . . . .	69.25	
repairing furniture . . . . .	56.89	
ice . . . . .	35.00	
labor on electric wires, &c . . . . .	54.58	
repairs of building . . . . .	135.06	
repairs of heating apparatus . . . . .	58.68	
labor . . . . .	83.00	
incidentals . . . . .	110.11	
	<hr/>	\$1,281.46
Rent of telephones in public buildings		105.00
Preparing rooms for elections and caucuses . . . . .		\$187.86
Care of rooms for elections and caucuses . . . . .		105.00
Rent of rooms for elections and caucuses . . . . .		25.00
Ballot boxes . . . . .		55.00
Repairing ballot boxes . . . . .		7.85
Fuel . . . . .		1.35
Building band stand . . . . .		52.46
Moving band stand . . . . .		18.45
Carriage hire . . . . .		22.00
Ringling bells February 22, June 17, July 4, and election days		12.00
Incidentals . . . . .		180.04
		<hr/>
<i>Amount carried forward . . . . .</i>		\$2,053.47



<i>Amount brought forward</i> . . . . .	\$2,053.47
City Messenger's team:—	
maintenance, (including one new buggy, \$275.00) . . . . .	967.41
City Engineer's team:—	
maintenance . . . . .	273.00
Total . . . . .	<hr/> \$3,293.88

In pursuance of an order dated June 14, 13,883 feet of land situated at the corner of Beacon and Kent Streets, were purchased of the heirs of Samuel Knight for 23 cents per foot, amounting in the aggregate to \$3,193.09.

By authority of orders dated June 14, and September 27, plans and estimates were received for the erection of a four-room brick schoolhouse on said lot, and the plans presented by Samuel D. Kelley, architect, were adopted. Proposals were also received, and the committee has recommended the awarding of contracts to Frank G. Coburn and Co., for the erection of the building for the sum of \$12,065.00, and to A. A. Sanborn for the heating and ventilating apparatus for the sum of \$1,934.00; but the contracts have not yet been awarded.

In pursuance of an order dated September 27, contracts were made with John Kelley for the erection of a four-room addition to the Bingham schoolhouse, situated on Lowell Street, for the sum of \$10,100.00, and with A. A. Sanborn for heating and ventilating apparatus for said building—both the original building and the addition—for the sum of \$3,623.00. This addition is nearly completed, and will be ready for occupancy early in the spring.

In pursuance of an order dated November 22, a contract was made with Walter S. Sampson for the construction of an English High School building to be located on Central Hill, for the sum of \$79,429.00, in accordance with plans made by Hartwell & Richardson. These figures do not include the cost of the heating and ventilating or the plumbing, for which bids have not, as yet, been received. The excavation has been made for the cellar, but

it was deemed inadvisable to begin work upon the foundation in the winter season. This building is designed to be one of the finest schoolhouses in the city.

In pursuance of an order, dated March 22, the property of the First Congregational Society of Somerville, consisting of the church and land situated on Highland Avenue, in front of the site for the English High Schoolhouse, was purchased by the city for the sum of \$45,000.00.

A detailed statement of improvements of school and other public buildings, may be found in the report of the superintendent of public buildings.

For the Committee,

EDRIC ELDRIDGE, *Chairman.*

WILLIAM P. MITCHELL, *Clerk.*

REPORT  
OF THE  
INSPECTOR OF BUILDINGS.

## CITY OF SOMERVILLE.

---

IN BOARD OF ALDERMEN, January 10, 1894.

Referred to the committee on printing, to be printed in the annual reports. Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

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IN COMMON COUNCIL, January 10, 1894.

Concurred in.

CHARLES S. ROBERTSON, *Clerk.*

# CITY OF SOMERVILLE.

OFFICE OF INSPECTOR OF BUILDINGS, }  
January 1, 1894. }

*To his Honor the Mayor and the City Council:—*

GENTLEMEN,—In accordance with city ordinance the following report of this department for the year ending December 31, 1893, is respectfully submitted.

The number of building permits issued during the year was 401, covering 482 buildings, classified as follows:—

	WARDS.				TOTAL.
	1	2	3	4	
Single dwellings . . . . .	11	58	130	127	326
Dwellings in blocks . . . . .	5	6	4	2	17
Additions and alterations to buildings . . . . .	10	23	17	17	67
Stables . . . . .	7	13	15	13	48
Apartment houses . . . . .	brick 1	1	..	..	2
Dwellings with stores . . . . .	..	1	2	1	4
Stores . . . . .	1	..	1	3	5
Shops . . . . .	..	2	..	1	3
Club house . . . . .	..	..	..	1	1
Storage-shed for lumber . . . . .	..	..	..	1	1
Wagon-shed . . . . .	4	1	..	2	7
Boiler-house . . . . .	..	brick 1	..	..	1
	39	106	169	168	482

Examinations have been made in all buildings in the course of construction or alteration for which permits were issued, and suggestions made as to strength of floor timbers, unsafe chimneys, fire-

places, etc. ; and special attention has been given to the following cases where violations of the ordinance occurred, or the public safety was endangered :—

Strength of floor timbers insufficient, (new building)	. . .	3
Cellar walls improperly laid, (new building)	. . .	13
Unsafe building, (new building)	. . .	1
Chimney unsafe	. . .	6
Fire escape needed on dwelling, (new building)	. . .	1
Violation of ordinance, (new building)	. . .	3
Fire door ordered, (new building)	. . .	1

The total number of permits for plumbing was 285, covering 288 buildings. The soil-pipes in 210 buildings were tested with the water test.

The experience that your inspector of buildings has had in the erection of wooden buildings leads him to believe that they cannot or will not be properly fire-stopped when built with ledger boards for the support of floor beams ; and he would therefore respectfully recommend that the building ordinance be so amended as to compel the use of girts instead of ledger boards in the construction of wooden buildings.

Respectfully submitted,

THOMAS R. ROULSTONE,

*Inspector of Buildings.*

REPORT  
OF THE  
SUPERINTENDENT OF PUBLIC  
BUILDINGS.

## CITY OF SOMERVILLE.

---

IN BOARD OF ALDERMEN, January 10, 1894.

Referred to the committee on printing, to be printed in the annual reports. Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

---

IN COMMON COUNCIL, January 10, 1894.

Concurred in.

CHARLES S. ROBERTSON, *Clerk.*



## CITY OF SOMERILLE.

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OFFICE OF SUPERINTENDENT OF PUBLIC BUILDINGS, }  
January 1, 1894. }

*To the Honorable the Mayor and City Council:—*

GENTLEMEN,—In compliance with city ordinance No. 19, section 8, this report is respectfully submitted.

The number of public buildings receiving care and attention was twenty-seven; being one less than in the year 1892.

The following is a brief statement of the work done at the various buildings:—

*Police Station.*—The halls above the first story have been painted and general repairs have been made throughout the building.

*City Hall.*—General repairs have been made to roof, conductors, windows, etc.

*Beach-street School.*—Has had slight repairs.

*Luther V. Bell School.*—Repairs have been made to roof, floors, and plumbing, a new copper tank has been provided for hot water heater, and a portion of the yard has been concreted.

*Bennett School.*—New plumbing has been placed in the building, old tile drains discontinued, ceilings whitened, walls painted in halls and school rooms, and picture moulding put in school rooms.

*Bingham School.*—Four rooms are being added to north-east side of building, old boiler taken out and two new ones put in, and the ventilation in old part improved. The building will probably be completed about March 1.

*Brastow School.*—This building is now occupied by the Fire Department.

*Burns School.*—The building has had but slight general repairs. Gas has been provided in the basement and in one room that is used for voting, the basement whitewashed and boiler repaired.

*Cedar-street School.*—Has had but slight repairs, extensive repairs having been made to the building during the previous year.

*Cummings School.*—Repairs have been made to roof, tin roof painted, catch-basin for surface water constructed in yard, plumbing repaired, basement whitewashed, and grading done to yard.

*Davis School.*—Was painted on the outside, ceilings whitened and walls painted, ceiling of basement plastered, concrete laid in yard on Glen Street side, and picture moulding placed in all the rooms.

*Edgerly School.*—Was occupied last April as a twelve room school. It has the Smith system of heating and ventilating. The system is not satisfactory. The building has had besides the addition of four rooms, a new toilet room, four closets, eleven book cases, all the seats re-arranged, six rooms of the old part re-lathed and plastered, gas piping in the two lower front rooms that are used for voting, picture moulding in all the rooms, the entire lot curbed, and about 1,000 feet of concrete placed in yard.

*Forster School.*—The outside wood work and tin roof have been painted, porch and fence repaired and painted, furniture of three rooms re-dressed and varnished, closets shelved, and other minor repairs made.

*Franklin School.*—General repairs were made to building, and new plank walks laid.

*Glines School.*—Extensive repairs were made to furnaces, the grounds were graded and partially fenced, stone curbing placed in front of building, two extra stone steps with two posts were set, one upper room was furnished with lid desks and adjustable stands for seat and desk, roll top desk for principal's office, plumbing altered and repaired.

*Harvard School.*—Building was painted on the outside and slight repairs made.

*High School.*—Tin roof painted, outside door changed so as to open outward, fire buckets placed in the halls, and general repairs to boilers, etc.

*Highland School.*—New floor in principal's office, air boxes enlarged, general repairs to furniture, etc.

*Jackson School.*—Slight general repairs were made to building.

*O. S. Knapp School.*—A door put in from girls' basement to stairs, iron screens painted, division fence built, basement whitewashed and painted, one small room fitted with adjustable school furniture, concrete walks made, gas put in basement and in the school room used for voting.

*Lincoln School.*—An office made for the principal with closet for books, basement whitewashed, storm windows repaired, and other slight repairs made.

*Morse School.*—Walls in four dressing rooms painted, basement whitewashed and wood work painted, tin roof painted.

*Charles G. Pope School.*—Snow guards put on roof and slight general repairs made to building.

*Prescott School.*—Outside wood work painted, iron core was taken out of boiler chimney and brick work carried up fifteen feet, for additional draft, walls painted and ceilings whitened, furniture in three of the rooms re-dressed and varnished, supply closet fitted up, a portion of the portico enclosed on the girls' side, picture mouldings put in two upper rooms, slate blackboard in principal's room.

*Prospect Hill School.*—The ceilings of all the rooms were whitened and walls painted, new floor laid in hall, two new furnaces put in, the woodwork of one room painted, plank walks repaired, platform and steps on easterly side rebuilt.

*Spring Hill School.*—Slight repairs have been made; at present the building is not in use for school purposes, but was occupied during a part of the year.

*Webster School.*—General repairs were made to roof, walks, etc. The building is unfit for use having been badly damaged by fire.

In addition to the above, repairs have been made to fences, walks, steps, blackboards, stoves, plumbing, furnaces, furniture, electrical apparatus, sanitariums, roofs, drains, boilers, clocks, etc.

All of the buildings are in very fair condition, yet there will always be repairs that must be made, and some of the older ones, if they are to be retained for school purposes should have new floors,

and some simple mode of ventilation for the schoolrooms. There still remain buildings that should be painted in order to preserve them, although much has been done in that direction the past two years.

Furnaces for heating our eight and twelve-room schoolhouses should be discarded and steam substituted as fast as practicable. Furnaces require too much of the janitor's time, are expensive as regards consumption of fuel and are generally unsatisfactory for heating large schoolhouses.

I would recommend steam heating for all eight and twelve-room school buildings.

Respectfully submitted,

THOMAS R. ROULSTONE,

*Superintendent of Public Buildings.*

REPORT

OF THE

COMMITTEE ON PUBLIC GROUNDS.

and some simple mode of ventilation for the schoolrooms. There still remain buildings that should be painted in order to preserve them, although much has been done in that direction the past two years.

Furnaces for heating our eight and twelve-room schoolhouses should be discarded and steam substituted as fast as practicable. Furnaces require too much of the janitor's time, are expensive as regards consumption of fuel and are generally unsatisfactory for heating large schoolhouses.

I would recommend steam heating for all eight and twelve-room school buildings.

Respectfully submitted,

THOMAS R. ROULSTONE,

*Superintendent of Public Buildings.*

REPORT  
OF THE  
COMMITTEE ON PUBLIC GROUNDS

## CITY OF SOMERVILLE.

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IN BOARD OF ALDERMEN, February 14, 1894.

Referred to the committee on printing, to be printed in the annual reports. Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

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IN COMMON COUNCIL, February 15, 1894.

Concurred in.

CHARLES S. ROBERTSON, *Clerk.*



# CITY OF SOMERVILLE.

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IN COMMITTEE ON PUBLIC GROUNDS }  
January 1, 1894. }

*To the City Council of Somerville:—*

The following is the final report of the Committee on Public Grounds for the year ending December 31, 1893.

## PUBLIC GROUNDS ACCOUNT.

### CREDIT.

Appropriation . . . . .	\$7,500.00	
Receipts and credits:—		
From Nathan Tufts Park account, labor . . . . .	29.38	
George H. Bishop, repairing burial lot . . . . .	10.00	
E. H. Marsh, loam for burial lot . . . . .	3.53	
West End Street R. R. Co., grading &c. . . . .	536.39	
Total credits . . . . .		\$8,079.30

### DEBIT.

Expenditures:—		
For care of Broadway Park . . . . .	\$2,425.85	
for care of Broadway Parkway . . . . .	1,078.43	
<i>Amounts brought forward . . . . .</i>	\$3,504.28	\$8,079.30

<i>Amounts brought forward</i> . . . . .	\$3,504.28	\$8,079.30
for care of Central Hill Park . . . . .	2,158.26	
for care of City Hall and Public Library Grounds . . . . .	235.68	
for care of High School Lawn . . . . .	39.18	
for care of Unitarian Church lot (recently purchased by the city) . . . . .	18.50	
for improvements and care of Somerville Avenue Cemetery . . . . .	1,429.17	
for tools and repairing same . . . . .	277.02	
carriage hire . . . . .	6.00	
	<hr/>	
Total debit . . . . .		\$7,668.09
		<hr/>
Balance unexpended . . . . .		\$411.21
		<hr/> <hr/>

## NATHAN TUFTS PARK ACCOUNT.

## CREDIT.

Appropriation , . . . . .	\$10,000.00	
Balance unexpended in 1892 . . . . .	3,408.55	
From Sewers account, removing surplus earth . . . . .	52.12	
	<hr/>	
Total credit . . . . .		\$13,460.67

## DEBIT.

## Expenditures:—

For labor, constructing roads &c. teaming, ballast, &c. . . . .	\$7,689.70	
Christopher Burke, on account contract . . . . .	836.35	
cutting window in Powder House stone and mason work and teaming . . . . .	550.00	
	447.54	
	<hr/>	
<i>Amounts carried forward</i> . . . . .	\$12,829.43	\$13,460.67

<i>Amounts brought forward</i> . . . . .	\$12,829.43	\$13,460.67
window and door guards . . . . .	60.00	
lumber and hardware . . . . .	128.53	
tools . . . . .	187.79	
blacksmithing . . . . .	42.14	
pipe . . . . .	153.70	
tablet . . . . .	35.00	
use of derrick . . . . .	81.86	
	<hr/>	
Total debit . . . . .		\$13,518.45
		<hr/>
Amount overdrawn . . . . .		\$57.78
		<hr/> <hr/>

### BROADWAY PARK.

At the Broadway Park, the walks have received care and are in good condition; the grass has been cut from time to time as required, flowers have been set out in various places and the trees have received attention. The cost of maintaining the park the past year was \$2,425.85.

### BROADWAY PARKWAY.

The Broadway Parkway has also received attention that was necessary during the year at a cost of \$1,078.43.

### CENTRAL HILL PARK.

Much attention has been given to this park. Quite a number of men have been employed cutting grass, during the summer months, and cleaning the paths of snow during the winter season. No public place in the city is more enjoyed than this. Situated on high ground it commands a fine view of other cities and towns. A hand rail has been placed on the side of the walk leading from the battery to the steps at the Winter Hill depot, to aid pedestrians going to and from the depot in the winter season. The sum expended during the year was \$2,158.26.

## NATHAN TUFTS PARK.

At this park much has been done by way of constructing walks, laying out driveways and grading the grounds, and a new door and window have been placed in the Old Powder House. A tablet has also been affixed to the building by the Society of the Sons of the Revolution, of Massachusetts. The Old Powder House with some 68,357 feet of land was given to the city by the heirs of Nathan Tufts, Sr., in the year 1892, and the city purchased of said heirs 129,497 feet of land adjoining, at 15 cents per foot, amounting to \$19,424.55. During the year 1892 there was also expended above the amount paid for the land, \$2,337.40, and in 1893 the city expended \$13,518.45; making the entire cost to date \$35,280.40. We would earnestly urge the City Council of 1894 to make an appropriation sufficient to finish the park during the coming year.

## SOMERVILLE AVENUE CEMETERY.

By an act of the Legislature of 1893, (chapter 104) the city was authorized by a vote of two-thirds of all the members of each branch of the City Council taken by yeas and nays and approved by the mayor, to grant and vote such sums as they may judge necessary for the enclosing, care, and improvement of the burial ground on Somerville Avenue. By authority of this act the city has removed the old wooden fence and replaced it with a neat iron fence, the sunken graves have been repaired, the walks re-constructed, old shrubbery removed, and the grass cut. The cemetery now bears marks of receiving proper care, and the city has been relieved from what was once a neglected and disgraceful spot. The amount expended during the year was \$1,429.17.

The committee recommends that the ordinance be so changed that a city forester shall be appointed, whose duty it shall be to care for the parks and public grounds of the city, together with all the trees on the highways.

For the committee,

CHAS. A. G. WINTHER, *Chairman.*

WILLIAM P. MITCHELL, *Clerk.*

REPORT  
OF THE  
INSPECTOR OF MILK.

## CITY OF SOMERVILLE.

---

IN BOARD OF ALDERMEN, December 27, 1893.

Referred to the next City Council, to be printed in the annual reports. Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

---

IN COMMON COUNCIL, December 27, 1893.

Concurred in.

CHARLES S. ROBERTSON, *Clerk.*

## CITY OF SOMERVILLE.

---

OFFICE OF THE INSPECTOR OF MILK, }  
December 27, 1893. }

*To his Honor the Mayor and the City Council:—*

GENTLEMEN,—In accordance with the laws of the State, it is an important part of my duty to report to you in regard to my services the past year as milk inspector of this city.

Somerville numbers nearly or about 50,000 inhabitants. Hence the quantity of milk required for supply is very large, and it is obtained from many and various sources. The largest part is received from the country via railroad, through milk contractors, of whom there are quite a number.

These contractors furnish milk to the milkmen, of whom there are 231. These milkmen supply 330 stores by the can, also a large number of families at retail. We have also a supply of milk from 450 cows, kept by our own citizens and the citizens of surrounding towns. I am free to state that this large business, in my opinion, is conducted in an honorable and honest manner by those who have it in hand. It will compare favorably with any line of business in the city. Milk licenses have to be renewed annually, and I have this year granted 231 licenses to milkmen and 43 registers to stores. Registers are only renewed in case of change of locality or of proprietor. I have also granted 15 licenses to sell oleomargarine, butterine, etc. The law also re-

quires the inspector to examine milk as to quality, in any and all places, wherever or however sold, if in his judgment, or from information received from others, he has reason to fear that the milk sold is of poor quality. It is *then* his duty to get samples and have the same tested. During the past year I have had only six complaints of poor milk. In every case I have followed the matter until I found the cause. In nearly every instance the fault has been *distant* from the party from whom the sample was obtained. The trouble has always been remedied, so that good milk has been afterwards kept. I have however, from time to time during the year, taken and tested 297 samples.

Hoping that this report will give you all the information you require, and that it may meet with your approval.

I remain respectfully your servant,

THOMAS CUNNINGHAM.

*Milk Inspector.*



REPORT  
OF THE  
INSPECTOR OF PROVISIONS  
AND OF  
ANIMALS INTENDED FOR SLAUGHTER  
OR  
KEPT FOR THE PRODUCTION OF MILK.

## CITY OF SOMERVILLE.

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IN BOARD OF ALDERMEN, December 27, 1893.

Referred to the next City Council, to be printed in the annual reports. Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

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IN COMMON COUNCIL, December 27, 1893.

Concurred in.

CHARLES S. ROBERTSON, *Clerk.*

## CITY OF SOMERVILLE.

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OFFICE OF THE INSPECTOR OF PROVISIONS AND OF ANIMALS INTENDED FOR SLAUGHTER OR KEPT FOR THE PRODUCTION OF MILK. }

December 27, 1893.

*To His Honor, the Mayor, and the City Council:—*

GENTLEMEN,—I herewith make my annual report as inspector of provisions and of animals intended for slaughter or kept for the production of milk. My last semi-annual report was submitted July 1. This report covers the intervening time. As usual, according to the instructions of the Cattle Commissioners of the Commonwealth, in October, I sent to them the following return of inspection to that date:—

Total number of cattle in the city	.	.	.	.	.	428
“ “ “ cows in milk	.	.	.	.	.	411
“ “ “ cows dry	.	.	.	.	.	6
“ “ “ cows fattening	.	.	.	.	.	6
“ “ “ bulls	.	.	.	.	.	3
“ “ “ young stock	.	.	.	.	.	2

These cattle are owned by 119 different citizens of Somerville and were all, with *one* exception, in good healthy condition. The exception was an over-fed cow, and the trouble temporary. I have also examined 31 places where provisions of various kinds are kept for sale, and 11 places where fish of various kinds were sold. These places were all in good order, clean, and with no cause for complaint.

## CITY OF SOMERVILLE.

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GEORGE I. VINCENT, *Clerk.*

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IN COMMON COUNCIL, December 27, 1893.

Concurred in.

CHARLES S. ROBERTSON, *Clerk.*

## CITY OF SOMERVILLE.

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GEORGE I. VINCENT, *Clerk.*

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IN COMMON COUNCIL, December 27, 1893.

Concurred in.

CHARLES S. ROBERTSON, *Clerk.*

## CITY OF SOMERVILLE.

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It is well-known, by your honorable board, that we have in our city, *three large* butchering establishments, and *one small* one.

No. 1 "New England Dressed Meat and Wool Company."

Number of working days per week . . . . .	6
Average number of cattle killed per week . . . . .	25
“ “ “ calves “ “ “ . . . . .	600
“ “ “ sheep and lambs killed per week . . . . .	8,000
Source of supply 3 months of the year, the South.	
“ “ 3 “ “ “ Canada.	
“ “ 6 “ “ “ the West.	

From 20 to 40 small calves, unfit for veal, are sold per week to farmers of Brighton. The general market is the United States. This establishment is kept in a very neat and cleanly condition.

No. 2 is John P. Squire's, on Medford Street. Animals killed, hogs.

Number of working days per week . . . . .	6
Number of hogs killed per day, from 2,200 to 2,500.	
Source of supply is from the Western States.	
General market is New England, the South, and Europe.	
The animals are all inspected by one of their own employees.	
The entire premises are in elegant and first-class order.	

No. 3, "North Packing and Provision Company."

Number of working days per week equals six.

Animals killed are hogs.

Average number killed per week equals 12,000.

Source of supply, the Western States.

General market, the United States and Europe.

All hogs killed are subjected to both ante and post-mortem examination by a United States Government inspector. It is almost



unnecessary to add that this gigantic slaughtering establishment is also in the most attractive and perfect order.

No. 4. The small butchering establishment is located at 104 North Street. It is managed and owned by H. Gunsenheiser.

Number of working days per week are four.

Average number of cattle killed per week	.	.	.	25
“ “ calves “ “	.	.	.	40

General market is the Jewish population in this vicinity. All the cattle slaughtered are in good and healthy condition, and the place compares favorably with the others in the city.

This report is very respectfully submitted.

Your faithful servant,

THOMAS CUNNINGHAM,

*Inspector.*

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*Inspector.*



REPORT  
OF THE  
SUPERINTENDENT OF ELECTRIC  
LINES.

## CITY OF SOMERVILLE.

---

IN BOARD OF ALDERMEN, February 28, 1894.

Referred to the committee on printing, to be printed in the annual reports. Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

---

IN COMMON COUNCIL, March 1, 1894.

Concurred in.

CHARLES S. ROBERTSON, *Clerk.*

## CITY OF SOMERVILLE.

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OFFICE OF SUPERINTENDENT OF ELECTRIC LINES }  
CITY HALL, January 1, 1894. }

*To the Honorable the City Council:—*

GENTLEMEN,—I have the honor to herewith submit the annual report of the department for the Inspection of Wires.

During the year the city has been furnished by the Somerville Electric Light Co. and the New England Telephone Co. with a large number of white arms which have been put at the top of poles, stencilled “City Wires” and the wires of the city placed thereon.

All of the fire alarm wires throughout the city and the larger part of the police wires have been placed above all other lines. It is intended by another fall to have all police wires on the top arm. The agreement of the various companies to place their wires on one and the same line of poles as far as practicable, has greatly reduced the number of poles in the city. Poles have been printed and stencilled by their owners.

A large number of dead wires have been removed. Many inferior round poles have been replaced by hard pine square poles. The above work has made a decided improvement in the appearance of the streets.

A number of houses have been inspected for electric light wiring, and the workmanship has been kept up to the standard at time of wiring.

### FIRE ALARM AND POLICE.

During the year a bridge metallic telephone line has been constructed connecting all of the fire department houses, the

## CITY OF SOMERVILLE.

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## CITY OF SOMERVILLE.

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### FIRE ALARM AND POLICE.

During the year a bridge metallic telephone line has been constructed connecting all of the fire department houses, the

police station and city hall, thus giving a complete and direct communication between the different departments of the city.

It is necessary that a suitable place for a battery room be provided, as the present one is even now crowded to its utmost capacity, thereby rendering it impossible to admit the new boxes needed. If it is the intention of the City Council to erect a central fire station on the Brastow schoolhouse lot, I would recommend that the battery room and fire alarm headquarters be placed there.

I would recommend an eight-circuit repeater and that a number of new boxes be placed in parts of the city at present unprotected. My reasons for recommending an eight-circuit repeater are these. The entire city is now covered by three circuits; should there be a break in one of these circuits a third of the city is left unprotected. With an eight-circuit repeater the city could be so divided, and the boxes so arranged, that if one circuit is broken the box nearest the one desired can be used.

Owing to the large increase of electric wires through electric lighting, West End Railroad trolley system and numerous telephone and telegraph lines, the liability of broken wires and the danger thereby incurred to the public from the delay in reaching and repairing the breaks, are increased. I would therefore recommend that a wagon be procured for the carrying of tools and material necessary for repairing breaks, for general work on fire and police wires, and for dispatch in reaching places of accident. This wagon should be placed at the headquarters of the fire-alarm system.

I would suggest that a striker be put on Clarendon Hill, on the Lincoln School, perhaps, to notify the children of that part of the city of no school and also for general fire-alarm purposes. Also that one be placed at Winter Hill; the Congregational Church would be a good location.

For the police system, I would recommend the addition of three boxes, the shortening of circuits and the placing of the wires above all other lines throughout the city.

Respectfully submitted,

LEIGHTON W. MANNING,

*Supt. of Electric Lines.*

REPORT  
OF THE  
CITY SOLICITOR.

## CITY OF SOMERVILLE.

---

IN BOARD OF ALDERMEN, April 11, 1894.

Referred to the committee on printing, to be printed in the annual reports. Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

---

IN COMMON COUNCIL, April 11, 1894.

Concurred in.

CHARLES S. ROBERTSON, *Clerk.*

## CITY OF SOMERVILLE.

---

SOMERVILLE, April 11, 1894.

*To the Honorable the Mayor and City Council:—*

I respectfully submit my report as city solicitor for the year ending December 31, 1893.

The following were the cases pending in the courts during the year 1893 in which the City of Somerville was a party; and, so far as disposed of, they were disposed of as hereinafter stated:—

1. *Parker vs. Somerville*—Before County Commissioners of Middlesex County. Damages on account of land alleged to have been taken for a sewer by the city.

2. *Squire vs. Somerville*—Before Superior Court in Middlesex County. Damages for conversion of box drain.

3. *Boston & Lowell R. R. Co. vs. Somerville*—Before Superior Court in Middlesex County. Petition in regard to repairs and reconstruction of bridges across railroad location in Somerville, and assessment of expenses thereof.

4. *Philbrook vs. Somerville*—Before United States Circuit Court. Action for damages for alleged violation of the Knibbs patent for a relief valve on steam fire engines. This action was commenced May 20, 1887, and similar actions were brought against other cities. Somerville and the other defendant cities put their cases in the hands of Livermore & Fish, patent solicitors. The case against the City of Haverhill was made a test case, and at a hearing November 14, 1888, the court decided for the defendant; and the appeal from that decision is pending in the United States

## CITY OF SOMERVILLE.

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GEORGE I. VINCENT, *Clerk.*

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IN COMMON COUNCIL, April 11, 1894.

Concurred in.

CHARLES S. ROBERTSON, *Clerk.*

## CITY OF SOMERVILLE.

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Supreme Court, before which, the case is expected to be argued this spring.

5. *Norwood vs. Somerville*—Before Superior Court, Middlesex County—went to Supreme Court on exceptions. Action for personal injuries alleged to have been received upon Cedar Street, November 2, 1889. Verdict for \$2,000 for plaintiff.

6. *Kelly vs. Somerville*—Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received upon Somerville Avenue, November 25, 1890.

7. *Williams vs. Somerville*—Before Superior Court for Middlesex County. Action for damages on account of alleged injuries to cattle by the employees of the Gypsy Moth Commission.

8. *Cole, collector vs. Charles H. North*—Before Superior Court for Suffolk County. Action to recover personal estate taxes for 1890.

9. *McCarthy vs. Somerville*—Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received upon Somerville Avenue, October 31, 1892. \$200 paid April 25, 1893. A suit brought by the city to recover said amount from the contractor for paving Somerville Avenue.

10. *Mayor and Aldermen of Somerville vs. Fitchburg and Boston & Albany R. R.*—Before Superior Court for Middlesex County. Petition for appointment of commissioners in regard to grade crossings on Somerville Avenue.

11. *Klarfeld vs. Somerville*—Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received upon Harding Street, May 31, 1892. \$100 paid in settlement, January 4, 1893.

12. *O'Brien vs. Somerville*—Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received on Somerville Avenue, February 2, 1893.

13. *Reardon vs. Somerville*—Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received on Somerville Avenue, March 11, 1893.

14. *Somerville vs. Gore, et al.*—Before Superior Court for Middlesex County. Action to recover \$200 paid in suit McCarthy vs. Somerville on account of injuries on October 31, 1892 on Somerville Avenue.



15. *Somerville vs. Town of Canton*—Before Superior Court for Middlesex County. Claim for \$108.15 on account of support of pauper. Defendant paid the same.

16. *Bevins vs. Somerville*—Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received on Perkins Street on March 3, 1893.

17. *Emerson vs. Somerville*—Before Superior Court for Middlesex County. Petition for assessment of damages on account of alleged taking of lands and buildings at Nathan Tufts Park.

18. *Smith vs. Somerville*—Before Superior Court for Middlesex County. Action for injuries to horse and carriage alleged to have been received on Medford Street on August 28, 1893.

19. *White vs. Somerville*—Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received on September 22, 1892, on Somerville Avenue.

20. *Tower et al. vs. Somerville*—Before Superior Court for Middlesex County. Appeal from award for alleged taking of land for sewer on Tower Street.

21. *Willard vs. Somerville*—Before Superior Court for Middlesex County. Action for injuries alleged to have been caused March 1, 1893, to house on corner of Grand View and Vinal Avenues by bursting of water pipe.

22. *Graham vs. Somerville*—Before Superior Court for Middlesex County. Action for personal injuries alleged to have been received on Franklin Street on December 5, 1892.

In most of the cases which came before the Committee on Claims, the petitioners were given leave to withdraw; and as we have not heard from such cases since, I need not trouble you with a recital of them.

All of which is respectfully submitted.

S. Z. BOWMAN.

*City Solicitor.*



REPORT  
OF THE  
CITY CLERK.

## CITY OF SOMERVILLE.

---

IN BOARD OF ALDERMEN, January 24, 1894.

Accepted and referred to the committee on printing, to be printed in the annual reports. Sent down for concurrence.

GEORGE I. VINCENT, *Clerk.*

---

IN COMMON COUNCIL, January 25, 1894.

Accepted and referred to the committee on printing, to be printed in the annual reports, in concurrence.

WILLIAM P. MITCHELL, *Clerk pro tem.*

## CITY OF SOMERVILLE.

---

OFFICE OF THE CITY CLERK, }  
January 24, 1894. }

*To the Honorable the Mayor and the City Council:—*

GENTLEMEN,—The following is respectfully submitted as the twenty-second annual report of the city clerk of the city of Somerville, and is for the year ending December 31, 1893.

### CASH.

The receipts and payments were as follows:—

#### RECEIPTS.

Balance from year 1892, being for dog licenses issued in December, 1892,—2 males at \$2.00 . . . . .	\$4.00	
Less city clerk's fees paid to the city treasurer in December, 1892, 2 at .20 . . . . .	40	
		\$3.60
For dog licenses issued in 1893:—		
1,198 males . . . . at \$2.00	\$2,396.00	
129 females . . . . at 5.00	645.00	
		\$3,041.00
<i>Amount carried forward</i> . . . . .		\$3,044.60

<i>Amount brought forward</i> . . . . .			\$3,044.60
recording mortgages, assignments, etc., 684 papers . . . . .	\$441.55		
marriage certificates, 532 at \$0.50 . . . . .	266.00		
furnishing copies of records . . . . .	9.00		
licenses:—			
to collect junk . 37 at \$2.00 . . . . .	74.00		
(apothecaries') to sell liquor, 1 at 1.00 . . . . .	1.00		
for billiard and pool tables and bowling alleys, 3 licenses, for 10 table and 3 alleys, 13 at 2.00 . . . . .	26.00		
to auctioneers . 19 at 2.00 . . . . .	38.00		
for intelligence offices 10 at 2.00 . . . . .	20.00		
to sell fireworks . 65 at 1.00 . . . . .	65.00		
for amusements . 1 at 50.00 and 61 at 1.00 . . . . .	111.00		
to street musicians, 15 licenses, for 31 persons at \$0.50 . . . . .	16.50		
to private detectives, 2 at 10.00 . . . . .	20.00		
for night-lunch wagon stands (permits) 2 at 2.00 . . . . .	4.00		1,092.05
Total receipts . . . . .			<u>\$4,136.65</u>

## PAYMENTS.

To Joseph O. Hayden, county treasurer, June 1 and December 1, receipts for dog licenses from December 2, 1892, to November 30, 1893, both inclusive,—

1,199 males . . . . . at \$2.00 . . . . .	\$2,398.00		
128 females . . . . . at 5.00 . . . . .	640.00		
	<u>\$3,038.00</u>		
Less city clerk's fees, 1,327 at .20 . . . . .	265.40		
	<u>265.40</u>		\$2,772.60
<i>Amount carried forward</i> . . . . .			<u>\$2,772.60</u>

<i>Amount brought forward</i> . . . . .		\$2,772.60
To John F. Cole, city treasurer, monthly, city clerk's fees for issuing dog licenses, 1,327 at .20 . . . . .	265.40	
All the "receipts" above speci- fied, except for dog licenses	1,092.05	1,357.45
	<hr/>	<hr/>
Total payments . . . . .		\$4,130.05

Balance January 1, 1894,—

receipts for dog licenses issued in December,—		
1 male . . . . . at 2.00	\$2.00	
1 female . . . . . at 5.00	5.00	
	<hr/>	
	\$7.00	
Less city clerk's fees paid to city treasurer, . . . . . 2 at .20	.40	
	<hr/>	
		<u>\$6.60</u>

Of the amount in the hands of the receiver of the Maverick National Bank, January 1, 1893, (being a portion of the receipts of this office for the year 1891,) as stated in my last annual report, viz. . . . . \$296.94

dividends on the original claim of \$1,484.66 have been received and paid to the county treasurer, as follows:—		
June 15, 1893, 5 per cent. . . . .	\$74.23	
December 1, 1893, 2½ " . . . . .	37.11	
	<hr/>	
		111.34

Balance in hands of receiver January 1, 1894 \$185.60

BIRTHS.

Number of births in Somerville in 1893 registered . . . . .	1,298
More than previous year . . . . .	140

Males . . . . .	687	
Females . . . . .	610	
Sex not reported . . . . .	1	
	<hr/>	1,298
Born of American parents . . . . .	453	
“ “ foreign “ . . . . .	562	
“ “ American father and foreign mother . . . . .	153	
“ “ foreign father and American mother . . . . .	126	
“ “ parents of unknown nationality . . . . .	1	
“ “ foreign father and mother of unknown nationality . . . . .	1	
“ “ American mother and father of unknown nationality . . . . .	2	
	<hr/>	1,298
Number of cases of twins . . . . .		11

## MARRIAGES.

Number of intention certificates issued . . . . .	532	
More than previous year . . . . .	2	
Marriages registered . . . . .	572	
More than previous year . . . . .	28	
Both parties American . . . . .	256	
“ “ foreign . . . . .	181	
American groom and foreign bride . . . . .	68	
Foreign groom and American bride . . . . .	67	
	<hr/>	572 couples
First marriage of . . . . .	1,042	
Second “ “ . . . . .	98	
Third “ “ . . . . .	4	
	<hr/>	572 couples
Oldest groom aged . . . . .	65	
“ bride “ . . . . .	58	
Youngest groom aged . . . . .	19	
“ bride “ . . . . .	16	
Youngest couple aged,—		
Groom . . . . .	19	
Bride . . . . .	16	



DEATHS.

Number of deaths in Somerville in 1893 . . . . .	802
More than previous year . . . . .	84
Males . . . . .	406
Females . . . . .	396
	<hr/>
	802

Under 10 years of age . . . . .	266
Between 10 and 20 years of age . . . . .	39
"    20    "    30    "    "    .    .    .    .    .    .	76
"    30    "    40    "    "    .    .    .    .    .    .	80
"    40    "    50    "    "    .    .    .    .    .    .	64
"    50    "    60    "    "    .    .    .    .    .    .	69
"    60    "    70    "    "    .    .    .    .    .    .	86
"    70    "    80    "    "    .    .    .    .    .    .	75
"    80    "    90    "    "    .    .    .    .    .    .	42
"    90    "    100    "    "    .    .    .    .    .    .	3
Of unknown age . . . . .	2
	<hr/>
	802

Age of oldest person deceased . . . . .	93
Born in Somerville . . . . .	251
"    other places in the United States . . . . .	313
Of foreign birth . . . . .	236
Birthplace unknown . . . . .	2
	<hr/>
	802

Number of deaths in January . . . . .	61
"    "    February . . . . .	58
"    "    March . . . . .	67
"    "    April . . . . .	78
"    "    May . . . . .	70
"    "    June . . . . .	46
"    "    July . . . . .	61
"    "    August . . . . .	69
"    "    September . . . . .	62
"    "    October . . . . .	58
"    "    November . . . . .	71
"    "    December . . . . .	101
	<hr/>
	802

The number of still-births recorded during the year was . 42

The causes of death may be found in the report of the board of Health.

## VOTERS.

## MEN'S LISTS.

WARD.	PRECINCT.	Dec. 1, 1892.	Added in Sept., 1893.	Total.	Revised Lists of October 1, 1893.	Added in Oct., 1893.	Nov. 1, 1893.	Added in Nov., 1893.	Dec. 1, 1893.	Voted Nov. 7, 1893.	Voted Dec. 5, 1893.
Ward 1 . . .	Precinct 1 . .	385	—	385	336	36	372	1	373	319	223
“ 1 . . .	“ 2 . . .	386	—	386	322	29	351	1	352	284	207
“ 1 . . .	“ 3 . . .	439	—	439	401	70	471	7	478	388	252
“ 1 . . .	“ 4 . . .	441	—	441	344	43	387	-1	386	326	217
		1,651	—	1,651	1,403	178	1,581	8	1,589	1,317	899
Ward 2 . . .	Precinct 1 . .	560	—	560	508	55	563	2	565	491	340
“ 2 . . .	“ 2 . . .	597	—	597	548	53	601	1	602	526	377
“ 2 . . .	“ 3 . . .	350	1	351	306	29	335	3	338	290	201
“ 2 . . .	“ 4 . . .	538	—	538	475	81	556	7	563	445	264
“ 2 . . .	“ 5 . . .	402	—	402	339	61	400	2	402	331	195
		2,447	1	2,448	2,176	279	2,455	15	2,470	2,083	1,377
Ward 3 . . .	Precinct 1 . .	623	3	626	559	77	636	1	637	532	331
“ 3 . . .	“ 2 . . .	453	—	453	401	44	445	—	445	380	240
“ 3 . . .	“ 3 . . .	552	1	553	500	44	544	1	545	479	339
“ 3 . . .	“ 4 . . .	421	—	421	405	57	462	2	464	394	238
		2,049	4	2,053	1,865	222	2,087	4	2,091	1,785	1,148
Ward 4 . . .	Precinct 1 . .	434	2	436	390	39	429	9	438	361	251
“ 4 . . .	“ 2 . . .	348	—	348	322	65	387	5	392	315	192
“ 4 . . .	“ 3 . . .	385	—	385	346	49	395	2	397	339	251
“ 4 . . .	“ 4 . . .	543	1	544	510	53	563	3	566	478	301
		1,710	3	1,713	1,568	206	1,774	19	1,793	1,493	995
City . . . . .	. . . . .	7,857	8	7,865	7,012	885	7,897	46	7,943	6,678	4,419

WOMEN'S LISTS.

WARD.	PRECINCT.	Dec. 1, 1892.	Revised Lists of Nov. 11, 1893.	Added in Nov., 1893.	Dec. 1, 1893.	Voted Dec. 5, 1893.
Ward 1 . . . . .	Precinct 1 . . . . .	6	—	2	2	—
“ 1 . . . . .	“ 2 . . . . .	10	—	1	1	1
“ 1 . . . . .	“ 3 . . . . .	9	—	3	3	3
“ 1 . . . . .	“ 4 . . . . .	—	—	—	—	—
		25	—	6	6	4
Ward 2 . . . . .	Precinct 1 . . . . .	21	1	2	3	1
“ 2 . . . . .	“ 2 . . . . .	24	3	4	7	2
“ 2 . . . . .	“ 3 . . . . .	1	—	—	—	—
“ 2 . . . . .	“ 4 . . . . .	4	—	1	1	—
“ 2 . . . . .	“ 5 . . . . .	5	—	1	1	1
		55	4	8	12	4
Ward 3 . . . . .	Precinct 1 . . . . .	5	—	3	3	3
“ 3 . . . . .	“ 2 . . . . .	14	2	6	8	2
“ 3 . . . . .	“ 3 . . . . .	23	1	9	19	4
“ 3 . . . . .	“ 4 . . . . .	7	—	4	4	2
		49	3	22	25	11
Ward 4 . . . . .	Precinct 1 . . . . .	12	6	3	9	5
“ 4 . . . . .	“ 2 . . . . .	6	2	1	3	2
“ 4 . . . . .	“ 3 . . . . .	5	1	—	1	—
“ 4 . . . . .	“ 4 . . . . .	13	3	2	5	3
		36	12	6	18	10
City . . . . .		165	19	42	61	29

## CITY OF SOMERVILLE.

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By order of the City Council, approved March 15, 1894, the committee on printing was instructed to have printed in the annual reports and also in a separate pamphlet, all ordinances and regulations of the city not contained in the Municipal Manual of 1892.

GEORGE I. VINCENT, *City Clerk.*

## CITY OF SOMERVILLE.

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NO. 36.

AN ORDINANCE FOR THE BETTER PROTECTION OF HEALTH.

*(Repealed by No. 43.)*

*Be it ordained by the City Council of the City of Somerville, as follows:—*

*Section 1.*—All persons who supply ice to persons in this city for domestic purposes, shall before the twentieth day of July in this year, and before the fifteenth day of April in each succeeding year, give notice thereof in writing to the Board of Health, which notice shall state particularly the source from which their supply of ice is taken for that year.

*Section 2.* All persons who supply ice to persons in this city, for domestic purposes, shall permit the inspector of provisions and of animals intended for slaughter or kept for the production of milk, at all reasonable times, to have access to and freely examine the ice intended for such supply, and shall permit samples to be taken from time to time for the purpose of analysis.

*Section 3.* Some time during the month of July in this year, and hereafter during the month of April in each year, and at such other times as he may deem proper, the inspector of provisions and of animals intended for slaughter or kept for the production of milk, shall examine, or cause to be examined the ice and the sources of supply of ice which is offered for sale and distribution in this city for domestic use, and shall take samples and cause careful analysis to be made of the same by a state assayer or some other competent person.

*Section 4.* The said inspector shall immediately upon receiving the result of any analysis made by virtue of this ordinance make a full report thereof to the Board of Health of this city and to the City Council, which reports shall be open to public inspection.

*Section 5.* Whoever violates the provisions of either of the first two sections of this ordinance shall be punished by a fine not exceeding twenty dollars for each offence.

A true copy of an ordinance passed to be ordained by the Common Council and by the Board of Aldermen and approved by the mayor July 1, 1892.

Attest :

GEORGE I. VINCENT,

*City Clerk.*

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No. 37.

AN ORDINANCE IN RELATION TO FLOWING WATER OVER SIDEWALKS  
OR UPON STREETS.

*Be it ordained by the City Council of the City of Somerville, as follows:—*

*Section 1.* Chapter fifteen, entitled “Highways,” of the Revised Ordinances of 1891, is hereby amended by adding thereto the following section, namely:—

*Section 33.* No person shall wash or clean a carriage or horse in any street, or cause it to be there washed or cleaned, and no person using water for washing carriages or for other purposes shall so use it, or cause, or allow it to be so used, thrown, discharged, or to so escape as to flow or collect upon any street, or to flow upon or across the surface of any sidewalk to any street, gutter, or sewer.

*Section 2.* This ordinance shall take effect upon its passage.

A true copy of an ordinance passed by the Common Council October 27, and by the Board of Aldermen November 9, and approved by the mayor November 16, 1892.

Published, by order of the City Council, in the Somerville Journal of November 26, 1892.

Attest :

GEORGE I. VINCENT,  
*City Clerk*

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No. 38.

AN ORDINANCE TO AMEND SECTIONS SIX AND SEVEN OF CHAPTER FOUR OF THE REVISED ORDINANCES OF 1891.

*Be it ordained by the City Council of the City of Somerville, as follows:—*

*Section 1.* Section six of chapter four of the Revised Ordinances of 1891 is hereby amended by striking out the word “twelfth,” in the last clause of said section, and inserting in place thereof the word:—“fourteenth.”

*Section 2.* Section seven of said chapter four is hereby amended by striking out the word “twelfth,” in the first clause of said section seven and inserting in place thereof the word: “fourteenth.”

*Section 3.* This ordinance shall take effect upon its passage.

A true copy of an ordinance passed by the Common Council March 15, and by the Board of Aldermen March 22, and approved by the mayor March 27, 1893.

Published, by order of the City Council, in the Somerville Citizen of March 31, 1893.

Attest :

GEORGE I. VINCENT,  
*City Clerk.*

## NO. 39

AN ORDINANCE TO SO AMEND CHAPTERS NINETEEN AND TWENTY OF THE REVISED ORDINANCES OF 1891, THAT THE SUPERINTENDENT OF ELECTRIC LINES SHALL ALSO BE SUPERINTENDENT OF LIGHTS.

*Be it ordained by the City Council of the City of Somerville, as follows.—*

*Section 1.*—Section one, of Chapter twenty, of the Revised Ordinances of 1891 is hereby amended by inserting at the end thereof the following words: He shall also be superintendent of lights, and shall be an electrician. He shall supervise the lighting, care, and repair of the street lights, whether the same be done under contract or otherwise; and if not done under contract, he shall hire such labor as shall be necessary for performing the duties of the department, at such a price, for such a period, and under such rules and regulations as the committee on fuel and street lights may direct. Whenever any street, bridge, or public place of the city, for the care and maintenance of which the city is legally liable, shall, from the construction of public improvements therein, or from any other cause, be unsafe for travel, the said superintendent shall make it his especial concern to keep, or to cause to be kept, or to see that those whose duty it is shall keep, a sufficient number of lighted lanterns every night about the place of danger, until the said street, bridge, or place is restored to a condition safe and convenient for public travel. He shall in general perform such other duties, and render such other services in relation to the street lights, not herein before specified, as may be required of him by the mayor and aldermen, the committee on public property, or the committee on fuel and street lights.

*Section 2.* Section one, of Chapter nineteen, of the Revised Ordinance of 1891 is hereby amended by striking out the words “and lights” in the first clause of said section. Section Four, of said Chapter nineteen, is hereby amended by striking out the words “and on fuel and street lights.” Section Seven, of said Chapter nineteen, is amended by striking out the words “and street lights.” Said Chapter Nineteen is further amended by striking out Sections



Five and Six thereof. The title, "Duties of the Superintendent of Public Buildings and Lights," is hereby amended where it appears before Section Two, of said Chapter nineteen, by striking out the words "and lights."

*Section. 3.* This ordinance shall take effect upon its passage.

A true copy of an ordinance passed by the Common Council and by the Board of Aldermen April 12, and approved by the mayor April 15, 1893.

Published by order of the City Council, in the Somerville Journal of April 29, 1893.

Attest:

GEORGE I. VINCENT,  
*City Clerk.*

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No. 40.

AN ORDINANCE RELATING TO ITINERANT MUSICIANS, BEARS IN THE STREETS, AND THE RINGING OF DOOR-BELLS FOR DISTRIBUTION OF CIRCULARS.

*Be it ordained by the City Council of the City of Somerville, as follows:—*

*Section 1.*—No person shall sing, or play, or perform on any musical instrument, in the streets or public places of the City of Somerville, except in connection with a funeral, a military parade, or a procession of a political, civic, or charitable organization for which a police escort is provided, unless licensed thereto by the Board of Aldermen of the City of Somerville, as hereinafter set forth.

*Section 2.*—Two or more persons joining together to sing or perform on musical instruments for gain in the streets or public places of said city will be considered a band, a collective license for which may be granted to one or more persons, and the membership of the band may be changed from time to time without additional license fee, provided the number of members be not increased.

*Section 3.*—The Board may grant licenses to persons or bands to sing or play or perform on musical instruments in the streets and

public places of the city, and to solicit and receive compensation therefor from bystanders or the public; but no such licensed person or band shall perform as part of any procession, parade or assemblage in the streets or public places of the city, except as provided in Section 1.

*Section 4.*—No musician or band shall perform in the streets or public places of the city before nine o'clock A. M., nor after ten o'clock P. M., nor on Sunday, except as a part of a funeral or military procession, or at a concert given by the city (and then not within three hundred feet of any place of worship, while worship is being held therein); nor within three hundred feet of any building, any occupant of which notifies him or them to desist, or has notified the Board of Aldermen in writing that he objects to such performances.

*Section 5.*—Every license herein before provided for shall expire on the first day of May next succeeding its date; the fee for such license shall be fifty cents for each and every person included therein. The license shall not be transferable, and shall be revocable by the Board of Aldermen at its discretion, and may be suspended by the chief of police pending any charges to said Board against the licensee; and in case of revocation no portion of the license fee shall be refunded.

*Section 6.*—No person shall in any street or public place of the City of Somerville lead or exhibit any bear, or permit any bear to be in any such street or public place, unless licensed thereto by the Board of Aldermen of said city, and any license so granted shall expire on the first day of May next succeeding its date; and the fee for such license shall be one dollar. The license shall not be transferable and shall be revocable by the Board of Aldermen at its discretion.

*Section 7.*—The ringing of any door-bell by any person in distributing circulars or for the purpose of peddling is hereby prohibited.

*Section 8.*—Whoever violates any provision of this ordinance shall be liable to a penalty of not more than twenty dollars for each offence.

*Section 9.*—This ordinance shall take effect upon its passage.

A true copy of an ordinance passed by the Common Council June 14, 1893, and by the Board of Aldermen June 28, 1893, and approved by the mayor June 29, 1893.

Published, by order of the City Council, in the Somerville Citizen of June 30, 1893.

Attest :

GEORGE I. VINCENT,  
*City Clerk.*

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No. 41.

AN ORDINANCE CHANGING OFFICE HOURS AT THE CITY HALL.

*Be it ordained by the City Council of the City of Somerville, as follows:—*

*Section 1.*—From and after the passage of this ordinance, the offices at the City Hall shall be kept open to the public daily (Sundays and legal holidays excepted), as follows:—

The office of the treasurer and collector of taxes, Saturdays, from 8 A. M. to 12 M.; other days from 8 A. M. to 2 P. M.

The office of the city engineer, Saturdays, from 8 A. M. to 12 M.; other days from 8 A. M. to 5 P. M.

And the offices of the assessors, the city clerk, and the clerk of committees, Saturdays, from 8 A. M. to 12 M.; other days from 8 A. M. to 4 P. M.

*Section 2.* Sections 5 and 8 of chapter VI., section 3 of chapter VII., and section 10 of chapter IX. of the Revised Ordinances of 1891 are hereby repealed.

A true copy of an ordinance passed by the Board of Aldermen and by the Common Council and approved by the mayor June 28, 1893.

Published, by order of the City Council, in the Somerville Journal, of July 1, 1893.

Attest :

GEORGE I. VINCENT,  
*City Clerk.*

## No. 42.

AN ORDINANCE IN RELATION TO EVENING SESSIONS OF THE  
BOARD OF REGISTRARS OF VOTERS.

*Be it ordained by the City Council of the City of Somerville, as follows:—*

*Section 1.* The board of registrars of voters shall hold at least two evening sessions for the registration of voters in each ward in the month of October in each year at such time and place as said Board shall determine.

*Section 2.* This ordinance shall take effect upon its passage.

A true copy of an ordinance passed by the Common Council July 26, 1893, and by the Board of Aldermen September 6, 1893, and approved by the mayor September 7, 1893.

Published, by order of the City Council, in the Somerville Citizen of September 15, 1893.

Attest :

GEORGE I. VINCENT,  
*City Clerk.*

## No. 43.

AN ORDINANCE TO REPEAL ORDINANCE NO. 36, ENTITLED “AN  
ORDINANCE FOR THE BETTER PROTECTION OF HEALTH.”

*Be it ordained by the City Council of the City of Somerville, as follows:—*

*Section 1.* Ordinance number thirty-six, entitled “An Ordinance for the Better Protection of Health,” is hereby repealed.

A true copy of an ordinance passed by the Common Council July 26, 1893, and by the Board of Aldermen September 6, 1893, and approved by the mayor September 7, 1893.

Published, by order of the City Council, in the Somerville Journal of September 16, 1893.

Attest :

GEORGE I. VINCENT,  
*City Clerk.*

## No. 44.

## AN ORDINANCE IN RELATION TO THE RIDING OF BICYCLES.

*Be it ordained by the City Council of the City of Somerville, as follows:—*

*Section 1.*—Every person riding a bicycle on any street or way of the city shall be provided with a bell, gong, whistle, horn or trumpet, which shall be loudly sounded whenever such rider approaches a street or way, which intersects that on which he is riding, and whenever he approaches any person crossing any street or way or walking in the carriage-way thereof, and whenever he approaches any horse from behind.

No person shall ride a bicycle in any public street or way of the city at a greater rate of speed than ten miles an hour, except in such streets or parts of streets, and during such periods, as may from time to time, be designated by the City Council.

*Section 2.*—Whoever violates any of the provisions of this ordinance shall be liable to a penalty of not more than twenty dollars for each offence.

*Section 3.* This ordinance shall take effect upon its passage.

A true copy of an ordinance passed by the Common Council September 13, and by the Board of Aldermen September 27, and approved by the mayor September 27, 1893.

Published, by order of the City Council, in the Somerville News of September 30, 1893.

Attest:

GEORGE I. VINCENT,  
*City Clerk.*

## No. 45.

## AN ORDINANCE FOR THE REGULATION OF PLUMBING.

*Be it ordained by the City Council of the City of Somerville, as follows:—*

*Section 1.* No person, firm, or corporation not now engaged in or working at the business of plumbing shall hereafter engage in or work at said business in this city, either as a master or employ-

ing plumber or as a journeyman plumber, unless such person, firm, or corporation first receives a license therefor in accordance with the provisions of chapter four hundred seventy-seven of the acts of the general court of the year eighteen hundred and ninety-three; and the application for such license shall be made to the inspector of buildings of this city.

*Section 2.* The inspector of buildings shall, subject at all times to the direction and control of the mayor and aldermen, have control of the regulations regarding plumbing and the general supervision of the business and inspection of plumbing, and of the enforcement of all laws and ordinances in regard thereto.

*Section 3.* The rules and regulations in this ordinance contained are prescribed for the materials, construction, alteration, and inspection of all pipes, tanks, faucets, valves, and other fixtures by and through which waste water or sewerage is used and carried, and no such pipes, tanks, faucets, valves, or other fixtures shall be placed in any building in this city except in accordance with plans which shall, before such placing of any such fixtures, be submitted to and approved by the Board of Health of this city, or such person or persons as said Board of Health may designate, and which shall conform to the provisions of this ordinance, and no plumbing work shall be done, except in the case of repair of leaks, without a permit being first issued therefor by the inspector of buildings; and every person before doing any such plumbing work in a building shall file in the office of the inspector of buildings, upon blanks provided for that purpose, a notice of the work to be performed, with such specifications in regard to such work as said inspector shall require, and shall obtain from such inspector a permit to do such work; and no such work or any plumbing work shall be done in any building except subject to the approval of the inspector of buildings, and in accordance with the aforesaid plans, notice, specifications, permit, and any ordinance of the city or any law applicable to such work.

*Section 4.* Every person carrying on the business of plumbing shall register his name and place of business in the office of the inspector of buildings, and notice of any change in the place of business of a registered plumber shall be immediately given to the inspector of buildings.

*Section 5.* The plumbing of every building shall be separately and independently connected with the public sewer, when such sewer is provided, or with a proper and sufficient drain connected thereto outside of the building; and if a sewer is not accessible, with a proper cesspool; and in no case shall the drain or soil-pipe be used for more than one dwelling in a block of two or more houses, but a block of two houses may be connected with the public sewer through one pipe, connections being made five feet outside of the building.

*Section 6.* Pipes and other fixtures shall not be covered or concealed from view until inspected and approved by the inspector of buildings, or under his direction by an inspector of plumbing, who shall examine the same within two working days after notice that they are ready for inspection.

*Section 7.* Plumbing work shall not be used unless the same has first been tested in the presence of the inspector of buildings, or under his direction by an inspector of plumbing, with the water test, or, if that is not practicable, with peppermint or other reliable test, approved by the inspector of buildings; and connections must be made of all pipes, traps, and other fixtures that are to be concealed, before the test of plumbing is made.

*Section 8.* Drain and connecting ventilating pipes shall be of sufficient size and made of cast or standard wrought iron within the building, and for a distance of at least five feet outside, except that lead pipes may be used for short connections. Such pipes, if of wrought iron, shall be of standard weight and strength, and if of cast iron, shall be of uniform thickness throughout, and when placed below the cellar floor and for a space of two feet up from the floor shall have an average weight of not less than that below specified, namely:—

2 inch pipe	.	.	.	.	.	.	5½ pounds per foot
3	“	.	.	.	.	.	9½ “ “
4	“	.	.	.	.	.	13 “ “
5	“	.	.	.	.	.	17 “ “
6	“	.	.	.	.	.	20 “ “
8	“	.	.	.	.	.	33½ “ “
10	“	.	.	.	.	.	45 “ “
12	“	.	.	.	.	.	54 “ “

All such pipes shall be properly secured.

*Section 9.* Drain-pipes shall be properly secured by irons to walls, laid in trenches to uniform grade, or suspended to floor timbers by strong iron hangers. Every drain-pipe shall be supplied with a suitable trap, placed, with an accessible clean-out, at or near the point where it leaves the building, and shall have a proper fall. Drain-pipes shall be carried above the roof, open and undiminished in size, and to a sufficient height, not less than two feet above the roof and not less than five feet above the top of any window within ten feet. Changes in direction shall be made with curved pipes, and connections with horizontal or vertical pipes shall be made with Y branches. All drain-pipes shall be exposed to sight where practicable within the building, and shall not be exposed to pressure where they pass through walls. Every part of every drain-pipe below a cellar floor shall be laid in a brick trench with a concrete base, and shall be accessible through sufficient unattached covers.

*Section 10.* Rain water leaders, when connected with soil or drain-pipes, shall be suitably trapped.

*Section 11.* Iron pipes used in plumbing shall be coated inside and out with coal-tar pitch, applied hot, or with paint, or with some equivalent substance. Joints shall be run full with molten lead, and thoroughly calked and made tight. Connections of lead pipes with iron pipes shall be made with brass ferrules, properly soldered and calked to the iron.

*Section 12.* The waste-pipe of every sink, basin, bath-tub, water-closet, slop-hopper, and of each set of trays or other fixtures shall be furnished with a trap, which shall be placed as near as practicable to the fixture that it serves. Traps shall be protected from siphonage or air-pressure by special cast or wrought-iron air-pipes of a size not less than the waste-pipes they serve, placed outside or below the trap. Lead air-pipes may be used only where they are exposed to view, or cased with movable casing. Air-pipes for water-closet traps shall be of two-inch bore if thirty feet or less in length, and of three-inch bore if more than thirty feet in length. Air-pipes shall be run as direct as practicable. Two or more air-pipes may be connected together or with a drain-pipe; but in every case of connection with a drain-pipe such connection shall be above the upper fixture of the building.

*Section 13.* Drip or overflow pipes, from safes under water-closets and other fixtures, or from tanks or cisterns, shall be run to



some place in open sight, and in no case shall any such pipe be connected directly with a drain-pipe. No waste-pipe from a refrigerator, or other receptacle in which provisions are stored, shall be connected with a drain-pipe or other waste-pipe.

*Section 14.* Every water-closet, or line of water-closets on the same floor, shall be supplied with water from a tank or cistern, and shall have a flushing-pipe of not less than one-inch in diameter; but this requirement shall not apply to water-closets substituted for vaults, where the same are located outside of the building proper, and such water-closets may be arranged so as to receive their supply directly from the main, with proper fixtures approved by the inspector, the water board, and the board of health.

*Section 15.*—No steam-exhaust shall be connected with any public sewer or with any soil or waste-pipe or drain which communicates with a public sewer.

*Section 16.*—Water-pipes in exposed places shall be properly protected from frost.

*Section 17.* A grease-trap shall be constructed under the sink of every hotel, eating-house, restaurant, or other public cooking establishment, in such a manner as to be easily accessible for inspection and cleaning.

*Section 18.* Sections seventy-eight to eighty-nine, both inclusive, and sections ninety-one, ninety-two, and ninety-seven of chapter nineteen of the revised ordinances of 1891 are hereby repealed.

*Section 19.* Any owner, lessee, contractor, workman, agent, or any other person, who shall violate any of the provisions of this ordinance shall be liable to a penalty of not more than twenty dollars for each offence.

*Section 20.* This ordinance shall take effect upon its passage.

A true copy of an ordinance passed by the the Common Council and by the Board of Aldermen and approved by the mayor December 4, 1893.

Published, by order of the City Council, in the Somerville Journal of December 16, 1893.

Attest :

GEORGE I. VINCENT,  
*City Clerk.*

## No. 46.

AN ORDINANCE TO AMEND AN ORDINANCE, APPROVED JUNE 29, 1893, ENTITLED "AN ORDINANCE IN RELATION TO ITINERANT MUSICIANS, BEARS IN THE STREETS, AND RINGING OF DOOR-BELLS FOR THE DISTRIBUTION OF CIRCULARS."

*Be it ordained by the City Council of the City of Somerville, as follows:—*

*Section 1.* Section one of an ordinance, approved June 29, 1893, entitled "An Ordinance in relation to Itinerant Musicians, Bears in the Streets and Ringing of Door-bells for the Distribution of Circulars," is hereby amended by striking out said section one, and substituting in place thereof the following:—

Section 1. No meeting shall be held, and no person shall deliver a sermon, lecture, address, or discourse, or shall sing, or play or perform on any musical instrument, in the streets or public places of the City of Somerville, except in connection with a funeral, a military parade, or a procession of a political, civic, or charitable organization for which a public escort is provided, unless licensed thereto by the Board of Aldermen of the City of Somerville, as hereinafter set forth, and such licenses may be made subject to such conditions and restrictions, as to time, place, duration of the license, number of performers, or otherwise, as to said Board of Aldermen shall seem best, and in regard to licenses for singing, or playing on musical instruments in connection with processions or meetings of charitable or religious organizations, a collective license may be granted to such organizations for singing or playing on musical instruments, with such limitations or restrictions as said Board may deem advisable, and the license fee provided for in the fifth section of this ordinance, may be remitted in whole or in part, at the discretion of said Board.

*Section 2.* Section four of said ordinance, approved June 29, 1893, is hereby amended by inserting after the word "Sunday" therein the following words:—Except where in the case of processions or meetings of charitable or religious organizations,

as hereinbefore provided for, specially licensed by said Board to perform on Sunday, or.

*Section 3.* The title of said ordinance arppoved June 29, 1883, is hereby amended by striking out the words “for the distribution of circulars,” so that said title shall read, “An Ordinance in relation to Itinerant Musicians, Bears in the Streets and Ringing of Door Bells.”

*Section 4.* This Ordinance shall take effect upon its passage.

A true copy of an ordinance passed by the Common Council and by the Board of Aldermen and approved by the mayor December 27, 1893.

Published, by order of the City Council, in the Somerville Citizen of December 29, 1893.

Attest :

GEORGE I. VINCENT,  
*City Clerk.*

Said Section four of said ordinance, approved June 29, 1893, as amended by section two of the foregoing ordinance, reads as follows:—

*Section 4.* No musican or band shall perform in the streets or public places of the city before nine o'clock A. M. nor after ten o'clock P. M., nor on Sunday, except where in the case of processions or meetings of charitable or religious organizations, as hereinbefore provided for specially licensed by said board to perform on Sunday, or except as a part of a funeral or military procession, or at a concert given by the city (and then not within three hundred feet of any place of worship, while worship is being held therein); nor within three hundred feet of any building, any occupant of which notifies him or them to desist, or has notified the Board of Aldermen in writing that he objects to such performances.

Attest :

GEORGE I. VINCENT,  
*City Clerk.*

## No. 47.

AN ORDINANCE IN RELATION TO HYDRANTS BEING PLACED UNDER THE CHARGE OF THE WATER BOARD.

*Be it ordained by the City Council of the City of Somerville, as follows:—*

*Section 1.* The second clause of section one of chapter fourteen, entitled “Mystic Lake Water,” of the Revised Ordinance of 1891, is hereby amended by inserting after the word “branches” the word “hydrants,” and by striking out the words “except hydrants placed in the custody of the fire department,” and by inserting at the end of said clause the words “and it shall be the duty of said board to cause all hydrants to be kept at all times in good and working condition, and to be inspected at least once in every month, and as much oftener as may be necessary to secure them against freezing or other defective condition,” so that said clause as amended shall read as follows:—

Said board shall superintend, direct, control, and make rules and regulations for the construction and maintenance of all pipes, gates, branches, hydrants and other appurtenances of the water works which have been or may hereafter be constructed by the city, and it shall be the duty of said board to cause all hydrants to be kept at all times in good and working condition, and to be inspected at least once in every month, and as much oftener as may be necessary to secure them against freezing or other defective condition.”

*Section 2.* Section three of chapter seventeen, entitled “Fire Department” of the Revised Ordinances of 1891, is hereby amended by striking out the word “Hydrants” in said section.

*Section 3.* This ordinance shall take effect upon its passage.

A true copy of an ordinance passed to be ordained by the Common Council April 11, 1894, and by the Board of Aldermen, April 25, 1894, and approved by the mayor April 28, 1894.

Published, by order of the City Council, in the Somerville Citizen of May 4, 1894.

Attest:

GEORGE I. VINCENT,  
*City Clerk.*

## No. 48.

AN ORDINANCE IN RELATION TO LOITERING UPON AND OBSTRUCTING THE SIDEWALKS AND STREETS IN THE CITY.

*Be it ordained by the City Council of the City of Somerville, as follows:—*

*Section 1.* No person shall wilfully or negligently obstruct the free passage of foot-travellers, nor shall any person saunter or loiter for more than five minutes upon a sidewalk, after being directed by a police officer to move on, nor shall any person congregate with others and loaf, or any persons congregate together and loaf, upon any sidewalk, street, or other public place of the city.

*Section 2.* Whoever violates any provision of this ordinance shall be liable to a penalty of not more than twenty dollars for each offence.

*Section 3.* This ordinance shall take effect upon its passage.

A true copy of an ordinance passed to be ordained by the Common Council April 11, 1894, and by the Board of Aldermen April 25, 1894, and approved by the mayor April, 28, 1894.

Published, by order of the City Council, in the Somerville Journal of May 5, 1894.

Attest:

GEORGE I. VINCENT,  
*City Clerk.*

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 No. 49.

AN ORDINANCE TO AMEND SECTION ONE OF CHAPTER FOUR OF THE REVISED ORDINANCES, IN REGARD TO THE ANNUAL APPROPRIATION BILL.

*Be it ordained by the City Council of the City of Somerville, as follows:*

*Section 1.* Section one of chapter four, entitled "Finance," of the Revised Ordinances of 1891, is hereby amended by striking out the words "or February," in the first clause of said section, and by striking out in the second clause of said section the words "in the month of February or March," and inserting in place thereof

the words "in or before the first two weeks in the month of February," and by striking out in the last clause of said section the words "in the month of March or April," and inserting in place thereof the words "in or before the last two weeks in the month of February," and by inserting at the end of the last clause of said section the words "this section shall be regarded as directory only; and a failure to comply with any of the provisions thereof, as to time or otherwise, shall not in any way impair or affect the validity of any appropriation bill, or of any appropriations made by the City Council, any such appropriation bill or appropriations made by the City Council to be valid, anything in this section to the contrary notwithstanding," so that as amended said section one will read as follows:—

*Section 1.* Each committee and board having the charge of any department of the city, for the requirements of which the expenditure of money is necessary, shall annually, in the month of January, submit to the committee on finance an estimate in writing of the amount which will be required in said department for the current financial year; and the treasurer shall, in like manner, submit to said committee a detailed estimate of the amounts required for the payment of interest on the funded debt and temporary loans (the estimated interest on the water debt to be stated separately), and an estimate of the receipts from the City of Boston for returns on water rates in accordance with the existing contract with said city. The Committee on Finance shall annually, in or before the first two weeks in the month of February, report to the City Council, in detail, and under the various heads of appropriation, an estimate of the amount of money necessary to be raised for the expenditures of the current financial year by the several committees and boards, for interest, for miscellaneous accounts, and for such salaries as are chargeable to salaries account, together with a recommendation of the ways and means for raising said amount. The City Council shall annually, in or before the last two weeks in the month of February, by concurrent vote, make the appropriations for such expenditures as may be required, and provide the ways and means for raising the same. This section shall be regarded as directory only; and a failure to comply with any of the provisions thereof, as to time or otherwise, shall not in any way impair or

affect the validity of any appropriation bill or of any appropriations made by the City Council, any such appropriation bill or appropriations made by the City Council to be valid, anything in this section to the contrary notwithstanding.

*Section 2.* No appropriation shall be made on Funded Debt account until the order for such appropriation has been referred to, and reported upon, by the Committee on Finance, unless such order or the subject matter thereof has been theretofore considered and reported upon by said committee; provided, however, that the appropriation referred to in such order may be made or acted upon by the City Council, if said committee shall have neglected to report upon such order or appropriation within three weeks from the time when it was referred to them, or within the time within which said committee may have been ordered by the City Council to report.

*Section 3.* Section two of this ordinance shall take effect upon the passage of this ordinance, and section one of this ordinance shall take effect from and after the first day of January, in the year one thousand eight hundred and ninety-five.

A true copy of an ordinance passed to be ordained by the Common Council April 26, and by the Board of Aldermen May 9, and approved by the mayor May 17, 1894.

Published, by order of the City Council, in the Somerville Journal of May 26, 1894.

Attest :

GEORGE I. VINCENT,  
*City Clerk.*

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No. 50.

AN ORDINANCE TO AMEND SECTION THIRTEEN OF CHAPTER NINETEEN OF THE REVISED ORDINANCES, IN RELATION TO THE INSPECTION AND CONSTRUCTION OF BUILDINGS.

*Be it ordained by the City Council of the City of Somerville, as follows:—*

*Section 1.* Section thirteen of chapter nineteen, entitled "Inspection and Construction of Buildings and the Superintendence of Public Buildings and Lights," of the Revised Ordinances of

1891, is hereby amended by inserting at the end of said section the following words:—

The said notice shall be accompanied by, or contain, a statement in writing of the purpose for which the proposed structure is intended to be used, and of the particular kind of business, manufacturing, or storage proposed to be conducted therein, if the structure is intended for business, manufacturing, or storage purposes; and the plans, if any such have been prepared, of the proposed structure shall, at the time of giving such notice, be exhibited to the inspector of buildings for his examination; and no building shall be erected, and the construction of any building shall not be commenced, and no work, except necessary repairs, shall be done upon any wall, structure, or building, without a permit from the inspector of buildings. No permit shall be granted for the erection of a building for the storage, keeping, manufacture, or refining of crude petroleum or any of its products, unless the mayor and aldermen have granted a license therefor, prescribing the place where such building shall be erected, and the particular location, materials, and construction thereof, with such regulations as to the height of chimneys, dimensions of building and protection against fire as they deem necessary for the safety of the neighborhood.

*Section 2.* This ordinance shall take effect upon its passage.

A true copy of an ordinance passed to be ordained by the Common Council and by the Board of Aldermen and approved by the mayor July 11, 1894.

Published, by order of the City Council, in the Somerville Journal, of July 14, 1894.

Attest:

GEORGE I. VINCENT,  
*City Clerk.*

REGULATION CONCERNING COASTING IN STREETS.

IN BOARD OF MAYOR AND ALDERMEN, }  
February 8, 1893. }

Ordered, that the following rule and regulation in regard to coasting upon the streets be and the same hereby is adopted, namely:—

No person shall coast in any street or public ground of the city except in accordance with an order of the Board of Aldermen.



Whoever violates this regulation shall be liable to a penalty of not more than twenty dollars for each offence.

A true copy of an order passed by the Board of Mayor and Aldermen, February 8, 1893.

Published in the Somerville Citizen of February 10, 1893.

Attest :

GEORGE I. VINCENT,  
*City Clerk.*

REGULATIONS OF THE BOARD OF HEALTH.

CHAPTER XI.

IN RELATION TO THE SUPPRESSION OF CONTAGIOUS DISEASES  
AMONG DOMESTIC ANIMALS.

IN BOARD OF HEALTH, }  
CITY OF SOMERVILLE, June 8. 1893. }

In pursuance of the power conferred upon the Board of Health by section three of chapter two hundred and fifty-two of the acts of the year eighteen hundred and eighty-seven, and of all other powers the said Board hereto enabling, and it being hereby adjudged that the following regulations are necessary for regulating and prohibiting the passage, from, to, or through the City of Somerville, or from place to place within the same, of any cattle or other domestic animals infected, or suspected of being infected, with any of the contagious diseases hereinafter referred to, and that the following regulations are necessary for suppressing and preventing the spread of said contagious diseases among animals within the limits of said city; now, therefore, it is

ORDERED: That, whenever any agent duly appointed by this Board of Health finds any animal within the limits of said city suspected by him of having, or which in his judgment is infected with, any of the contagious diseases as follows, namely: glanders, farcy, contagious pleuro-pneumonia, tuberculosis, Texas fever, foot and mouth diseases, rinderpest, hog cholera, and rabies, such agent shall cause, in the name of this Board, such animal to be kept quarantined or isolated in such place (whether a portion of a building or other place) as he may designate, and may order that such animal shall be so kept isolated by the owner or the person or

persons in possession of such animal, and at the cost of such owner or person or persons, and shall not be removed from the place so designated until discharged therefrom by an order of this Board, or its duly authorized agent, or an order issued by the State Board of Cattle Commissioners or any of its members, and all persons are hereby forbidden to remove, or cause to be removed, said animal from the place or enclosure where it has been so quarantined or isolated; or to cause or allow said animal to pass from place to place within said city, or to be or remain in any place in said city, except the place designated as aforesaid; or to drive or transport, or cause to be driven or transported, any animal contrary to the regulations aforesaid; or to cause or allow any other animal to come in contact with said quarantined animal, or to enter the enclosure where such animal is confined.

That any person disobeying any provision of this order or any order made by the agent of this Board of Health as aforesaid, or driving or transporting any animal contrary to the said regulations, shall be punished by a fine not exceeding five hundred dollars or imprisonment not exceeding one year.

That these regulations shall be recorded upon the records of the Board of Health of the City of Somerville, and shall be published two days in the newspapers published in said Somerville, known as the Somerville Journal and the Somerville Citizen.

That whoever may be from time to time the agent of the Board of Health, appointed as such in accordance with the provisions of chapter eighty of the Public Statutes or any acts in amendment thereof, or in addition thereto, or otherwise appointed according to law, is hereby appointed as, and shall be, the agent of the Board of Health, who shall have the power to enforce the aforesaid prohibitions and regulations, and shall in general be the agent of this board for all the purposes mentioned in these regulations.

A true copy of regulations adopted by the Board of Health of Somerville, June 8, 1893.

Published in the Somerville Journal of June 10 and 17, and in the Somerville Citizen of June 9 and 16, 1893.

Attest :

WILLIAM P. MITCHELL,  
*Clerk of the Board of Health.*

CITY GOVERNMENT AND OFFICERS  
FOR 1894.



# CITY GOVERNMENT AND OFFICERS FOR 1894.

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## MAYOR.

WILLIAM H. HODGKINS,  
188 Central Street.

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## BOARD OF ALDERMEN.

JOHN ANDREWS, *President.*

### WARD ONE,

ISAIAH H. WILEY, . . . . 54 Mt. Vernon Street  
LEWIS STOCKBRIDGE, . . . . 33 Pinckney Street

### WARD TWO,

FRANKLIN J. HAMBLIN, . . . . 30 Walnut Street  
FRED W. GILBERT, . . . . 101 School Street

### WARD THREE,

JOHN ANDREWS, . . . . 34 Albion Street  
CALVIN H. WHITNEY, . . . . 68 Gilman Street

### WARD FOUR,

FRANKLIN F. PHILLIPS, . . . . 211 Holland Street  
EDMUND S. SPARROW, . . . . 18 Meacham Street

## CLERK.

GEORGE I. VINCENT.

## COMMON COUNCIL.

FRANK W. KAAAN, *President.*

## WARD ONE,

WILFRED B. RICH, . . . . .	13 Franklin Street
ALBERT C. FAIRBANKS, . . . . .	10 Union Street
L. HERBERT HUNTLEY . . . . .	1 Pearl Street
JOSIAH N. PRATT, . . . . .	33 Franklin Street

## WARD TWO,

GEORGE B. CLARKE, . . . . .	31 Berkeley Street
ARTHUR W. HAYNES, . . . . .	11 Parker Street
FRANK W. KAAAN, . . . . .	12 Pleasant Avenue
FREDERICK W. PARKER, . . . . .	65 Boston Street

## WARD THREE,

LEONARD B. CHANDLER, . . . . .	45 Jaques Street
G. FRANKLIN WILKINS, . . . . .	98 Central Street
GEORGE H. RUSS, . . . . .	28 Montrose Street
HERBERT L. CLARK, . . . . .	124 Sycamore Street

## WARD FOUR,

FREDERICK A. P. FISKE, . . . . .	52 Cherry Street
BENJAMIN J. DOWNS, . . . . .	5 Claremon Street
WILLIAM H. BERRY, . . . . .	75 Harris Street
G. LESLIE NICHOLS, . . . . .	20 Chapel Street

## CLERK.

CHARLES S. ROBERTSON.

**JOINT STANDING COMMITTEES OF THE CITY COUNCIL.**

**ACCOUNTS.**—Aldermen Stockbridge, Phillips; Councilmen Clarke (Ward 2), Nichols, Pratt.

**CITY ENGINEERING.**—Aldermen Gilbert, Phillips; Councilmen Downs, Chandler, Fairbanks.

**CLAIMS.**—His Honor the Mayor; Alderman Hamblin; the President of the Common Council; Councilmen Rich, Fiske.

**FINANCE.**—His Honor the Mayor; Aldermen Phillips, Stockbridge; the President of the Common Council; Councilmen Fiske, Rich, Nichols, Clark (Ward 3.)

**FIRE DEPARTMENT.**—Aldermen Hamblin, Wiley; Councilmen Wilkins, Huntley, Berry.

**FUEL AND STREET LIGHTS.**—Aldermen Wiley, Gilbert; Councilmen Haynes, Chandler, Berry.

**HIGHWAYS.**—Aldermen Gilbert, Whitney; Councilmen Clarke (Ward 2), Downs, Fairbanks.

**LEGISLATIVE MATTERS.**—His Honor the Mayor; Alderman Whitney; the President of the Common Council; Councilmen Russ, Nichols.

**ORDINANCES.**—Aldermen Phillips, Hamblin; Councilmen Russ, Fiske, Rich.

**PRINTING.**—Aldermen Whitney, Stockbridge; Councilmen Clark (Ward 3), Fairbanks, Parker.

**PUBLIC GROUNDS.**—Aldermen Sparrow, Whitney; Councilmen Chandler, Haynes, Huntley.

**PUBLIC PROPERTY.**—Aldermen Andrews, Sparrow; Councilmen Russ, Pratt, Parker.

**SOLDIERS' RELIEF.**—Aldermen Andrews, Wiley; Councilmen Clarke (Ward 2), Berry, Huntley.

**WATER.**—Aldermen Sparrow, Stockbridge; the President of the Common Council; Councilmen Downs, Wilkins.

**STANDING COMMITTEES OF THE BOARD OF ALDERMEN.**

ELECTIONS.—Aldermen Wiley, Andrews, Hamblin.

ENROLLED ORDINANCES.—Aldermen Sparrow, Gilbert, Andrews.

LICENSES.—Aldermen Stockbridge, Gilbert, Sparrow.

POLICE.—His Honor the Mayor, Aldermen Andrews, Wiley.

SEWERS.—Aldermen Phillips, Hamblin, Andrews.

STATE AID.—Aldermen Wiley, Gilbert, Whitney, Phillips.

SPECIAL BUILDING PERMITS.—Aldermen Gilbert, Hamblin.

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**STANDING COMMITTEES OF THE COMMON COUNCIL.**

ELECTIONS AND RETURNS.—Councilmen Pratt, Parker, Clark (Ward 3).

ENROLLED ORDINANCES AND RESOLUTIONS.—Councilmen Haynes, Nichols, Wilkins.



## SCHOOL COMMITTEE.

WILLIAM H. HODGKINS, Mayor, Chairman, *ex officio*.

FRANK W. KAAAN, President of the Common Council, *ex officio*.

(Term, three years.)

## WARD ONE,

S. NEWTON CUTLER (elected 1891).

SANFORD HANSCOM, M. D. (elected 1893).

GEORGE S. POOLE (elected 1892).

## WARD TWO,

THOMAS M. DURELL, M. D. (elected 1893).

ALVAH B. DEARBORN, M. D. (elected 1891).

HERBERT A. CHAPIN (elected 1892).

## WARD THREE,

NORMAN W. BINGHAM (elected 1891).

QUINCY E. DICKERMAN (elected 1892).

THOMAS S. WENTWORTH (elected 1893).

## WARD FOUR,

GILES W. BRYANT, M. D. (elected 1892).

MARTIN W. CARR (elected 1893).

BENJAMIN G. BROWN (elected 1891).

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GORDON A. SOUTHWORTH, *Superintendent and Secretary*.

**ASSESSORS.**

(Term, three years.)

BENJAMIN F. THOMPSON, Chairman (term expires 1896).

SAMUEL T. RICHARDS (term expires 1895).

NATHAN H. REED (term expires 1897).

*Clerk of Assessors*, ALBERT B. FALES.

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**ASSISTANT ASSESSORS.**

(Term, one year.)

WARD ONE,

FRED. B. CLAPP.

WARD TWO,

CHARLES C. FARRINGTON.

WARD THREE,

EDGAR T. MAYHEW.

WARD FOUR,

HARRY A. TRUE.

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**BOARD OF HEALTH.**

(Term: City Physician, three years; other members, two years.)

THOMAS M. DURELL, M. D., Chairman (term expires 1895).

ALVAH B. DEARBORN, M. D., City Physician (term expires 1895).

ALVANO T. NICKERSON (term expires 1896).

*Clerk*, WILLIAM P. MITCHELL.*Inspector*, CALEB A. PAGE.

**OVERSEERS OF THE POOR.**

Office, Police Building, Bow Street.

WILLIAM H. HODGKINS, Mayor, Chairman, *ex officio*.  
(Term, four years.)

EDWARD B. WEST (term expires 1895).

JAMES G. HINCKLEY (term expires 1896).

ALBERT W. EDMANDS (term expires 1897).

HERBERT E. MERRILL (term expires 1898).

*Agent*, CHARLES C. FOLSOM.

*Secretary*, CORA F. LEWIS.

**SOMERVILLE MYSTIC WATER BOARD.**

Office, Prospect Street, corner Somerville Avenue.

(Term, three years.)

GEORGE D. WEMYSS, President (term expires 1897),  
5 Austin Street.

GEORGE A. KIMBALL (term expires 1895),  
5 Munroe Street.

WILLIAM FRANKLIN HALL (term expires 1896),  
345 Broadway.

NATHANIEL DENNETT, *Supt. Water Works*.

FRANK E. MERRILL, *Clerk*.

**REGISTRARS OF VOTERS.**

(Term : City Clerk, one year ; other members, three years.)

CROMWELL G. ROWELL, Chairman (term expires 1897).

CHARLES P. LINCOLN (term expires 1895).

CHARLES E. PARKS (term expires 1896).

GEORGE I. VINCENT, *City Clerk*.

**TRUSTEES OF THE PUBLIC LIBRARY.**

(Term, three years.)

CHARLES S. LINCOLN, Chairman (term expires 1897).

CHARLES A. WEST, Secretary (term expires 1895).

JAMES E. WHITAKER (term expires 1896).

JOHN B. VIALI (term expires 1896).

J. HENRY FLITNER (term expires 1895).

CHRISTOPHER E. RYMES (term expires 1897).

ELIJAH C. CLARK (term expires 1895).

CHARLES H. BROWN (term expires 1897).

J. FRANK WELLINGTON (term expires 1896).

JOHN S. HAYES, *Librarian.***CITY CLERK AND CLERK OF BOARD OF ALDERMEN.**

GEORGE I. VINCENT.

**CITY TREASURER AND COLLECTOR OF TAXES.**

JOHN F. COLE.

**MESSENGER TO CITY COUNCIL.**

JAIROS MANN.

**CITY SOLICITOR.**

SELWYN Z. BOWMAN.

**CITY AUDITOR.**

CHARLES S. ROBERTSON.

**CITY ENGINEER.**

HORACE L. EATON.

**SUPERINTENDENT OF STREETS.**

THOMAS H. EAMES.

**INSPECTOR OF BUILDINGS AND SUPERINTENDENT OF PUBLIC BUILDINGS.**

THOMAS R. ROULSTONE.

---

**CHIEF OF POLICE.**

MELVILLE C. PARKHURST.

---

**CHIEF ENGINEER OF THE FIRE DEPARTMENT.**

JAMES R. HOPKINS.

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**SUPERINTENDENT OF ELECTRIC LINES AND LIGHTS.**

LEIGHTON W. MANNING.

---

**CITY PHYSICIAN.**

ALVAH B. DEARBORN, M. D.

---

**INSPECTOR OF MILK AND VINEGAR.**

THOMAS CUNNINGHAM.

---

**INSPECTOR OF ANIMALS AND PROVISIONS.**

THOMAS CUNNINGHAM.

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**CLERK OF COMMITTEES.**

WILLIAM P. MITCHELL.

---

**CLERK OF ASSESSORS.**

ALBERT B. FALES.

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Suitable Persons to Cause to be Properly Interred the Bodies of  
Honorably Discharged Soldiers, Sailors, and Marines,  
Under Chapter 395, Acts of 1889.

JESSIE J. UNDERHILL.

JAMES F. DAVLIN.

**CONSTABLES.**

JAIRUS MANN.	WILLIAM D. HAYDEN.
ROBERT R. PERRY.	JOSEPH J. GILES.
CHARLES C. FOLSOM.	DENNIS KELLEY.
EDWARD MCGARR.	CHARLES L. ELLIS.
CHRISTOPHER C. CAVANAGH.	CLARENCE TUCKER.
EUGENE A. CARTER.	GEORGE H. CARLETON.
PATRICK J. GARVIN.	JOSEPH W. CURRANT..

**FIELD DRIVERS.**

CHRISTOPHER C. CAVANAGH.	CHARLES S. THRASHER.
GEORGE H. CARLETON.	GEORGE W. BEAN.
JOHN E. FULLER.	JOHN G. KNIGHT.
JACOB W. SKINNER.	THEODORE E. HERON.

**FENCE VIEWERS.**

LAMBERT M. MAYNARD.	AMMIEL COLMAN.
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**POUND KEEPER**

(Office vacant.)

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AMMIEL COLMAN, 34 Marshall Street.

**MEASURER OF WOOD AND BARK.**

SAMUEL T. LITTLEFIELD.

**MEASURER OF GRAIN.**

JOHN CRAIG.

**PUBLIC WEIGHER IN CHARGE OF CITY SCALES, UNION SQUARE.**

FULTON O'BRION.

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CHARLES H. TUCKER.	CLINTON E. SOMES.
GEORGE E. SLACK.	EDWARD L. DUNNING.
GEORGE E. NEWCOMB.	WILLIAM I. NEWCOMB.

## WEIGHERS OF BEEF.

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CHARLES H. TUCKER.	GEORGE K. WALCOTT.
FREDERICK A. GEILING.	GEORGE E. SLACK.
CLARENCE EDWARDS.	CLINTON E. SOMES.

## POLICE DEPARTMENT.

MELVILLE C. PARKHURST. *Chief.*

ROBERT R. PERRY, <i>Captain.</i>	EDWARD MCGARR, <i>Sergt.</i>
CHRIS. C. CAVANAGH, <i>Sergeant.</i>	DENNIS KELLEY, <i>Sergt.</i>
EUGENE A. CARTER, <i>Sergeant.</i>	PHINEAS W. SKINNER.
JOHN E. FULLER.	SAMUEL A. BROWN.
ALBION L. STAPLES.	JOHN HAFFORD.
JUDSON W. OLIVER.	GEORGE A. BODGE.
GEORGE W. BEAN.	GEORGE H. CARLETON.
GEORGE L. SMITH.	HUBERT H. MILLER.
EDWARD M. CARTER.	FRANCIS A. PERKINS.
JOHN F. JOHNSON.	CHARLES S. THRASHER.
EDWARD E. HAMBLÉN.	WILLIAM H. JOHNSTON.
CHARLES E. WOODMAN.	JOHN G. KNIGHT.
ARTHUR E. KEATING.	THEODORE E. HERON.
STEPHEN S. SMITH.	JACOB W. SKINNER.
EUGENE H. GAMMON.	DAVID A. BOLTON.
IRA S. CARLTON.	JAMES M. HARMON.
CHARLES W. STEVENS.	MICHAEL T. KENNEDY.
ULYSSES G. SKINNER.	EZRA A. DODGE.
JAMES J. POLLARD.	DANIEL G. SIMONS.

MELVILLE C. PARKHURST, *Lock-up Keeper.*

## MEETINGS.

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### BOARD OF ALDERMEN.

Second and fourth Wednesday evenings of each month.

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### COMMON COUNCIL.

Thursday evenings next following the second and fourth  
Wednesdays of each month.

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### SCHOOL COMMITTEE.

Last Monday evening of each month.



## INDEX.

Board of Health, Regulations of, . . . . .	388
Board of Health, report of . . . . .	369
Chief Engineer of Fire Department, report of . . . . .	505
City Clerk, report of . . . . .	593
City Engineer, report of . . . . .	445
City Government, Committees and Officers for 1893 . . . . .	3
City Government, Committees and Officers for 1894 . . . . .	627
City Physician, report of . . . . .	411
City Solicitor, report of . . . . .	587
City Treasurer and Collector of Taxes, report of . . . . .	61
Fire Department, Committee on, report of . . . . .	497
Fuel and Street Lights, Committee on, report of . . . . .	519
Highways, Committee on, report of . . . . .	415
Inspector of Buildings, report of . . . . .	557
Inspector of Milk, report of . . . . .	573
Inspector of Provisions and of Animals Intended for Slaughter or Kept for the Production of Milk, report of . . . . .	577
Mayor's Inaugural Address for 1893 . . . . .	17
Mayor's Inaugural Address for 1894 . . . . .	39
Meetings of the City Council and School Committee . . . . .	641
Ordinances and Regulations . . . . .	603
Overseers of the Poor, report of . . . . .	401
Public Grounds, Committee on, report of . . . . .	567
Public Library, Trustees of, report of . . . . .	305
Public Library, Librarian, report of . . . . .	313
Public Property, Committee on, report of . . . . .	541
School Committee, report of . . . . .	217
Sewers, Committee on, report of . . . . .	437
Somerville Mystic Water Board, report of . . . . .	329
Superintendent of Electric Lines, report of . . . . .	583
Superintendent of Lights, report of . . . . .	525
Superintendent of Public Buildings, report of . . . . .	561
Superintendent of Water Works, report of . . . . .	337



