



CITY OF SOMERVILLE
ANNUAL REPORTS.

1884.



BOSTON :
FRANKLIN PRESS: RAND, AVERY, AND COMPANY.

1885.

CITY GOVERNMENT AND OFFICERS FOR 1884.

MAYOR.

JOHN A. CUMMINGS.

Residence, 16 Wallace Street ; office, City Hall.

ALDERMEN.

LEVI F. S. DAVIS, *President.*

WARD ONE.

LEVI F. S. DAVIS	. . . . .	Pearl Street.
NATHAN A. FITCH	. . . . .	Franklin Street.

WARD TWO.

SAMUEL G. A. TWYXCROSS	. . . . .	Warren Avenue.
FRANKLIN R. PERRY	. . . . .	Pleasant Avenue.

WARD THREE.

ALBION A. PERRY	. . . . .	Broadway.
HIRAM D. SMITH	. . . . .	Cross Street.

WARD FOUR.

IRVING L. RUSSELL	. . . . .	Broadway.
DANIEL H. HAYWARD	. . . . .	Cherry Street.

CLERK OF BOARD OF ALDERMEN.

CHARLES E. GILMAN.

COMMON COUNCIL.

JOSIAH B. MAYHEW, *President.*

WARD ONE.

MOSES G. STEELE	Rush Street.
FRANK A. TITUS	Flint Street.
ELBRIDGE G. PARK	Arlington Street.
JOHN MANNING	Medford Street.

WARD TWO.

DANA W. BENNETT	Prospect Street.
SAMUEL W. HOLT	Washington Street.
PATRICK J. WHITE	Bow Street.
CHARLES A. WOODBERRY	Berkeley Street.

WARD THREE.

JOSIAH B. MAYHEW	Earle Street.
DANIEL C. STILSON	Tennyson Street.
JOHN F. KENNARD	Howe Street.
HARRISON ALDRICH	Gilman Street.

WARD FOUR.

ISRAEL C. EARLE	Irving Street.
GEORGE R. EMERSON	Broadway.
ALBERT M. ROBINSON	Belmont Street.
HERBERT C. HALL	Summer Street.

CLERK OF COMMON COUNCIL.

DOUGLAS FRAZAR.

JOINT STANDING COMMITTEES FOR 1884.

ACCOUNTS. — Aldermen Twycross, Hayward ; Councilmen Park, Aldrich, Woodberry.

BURIAL-GROUNDS. — Aldermen Perry (ward two), Hayward ; Councilmen Steele, Stilson, Hall.

CITY-ENGINEERING. — Aldermen Russell, Fitch ; Councilmen Steele, Bennett, Kennard.

CLAIMS. — His Honor the Mayor, *ex officio*; Alderman Fitch; the President of the Council, *ex officio*; Councilmen Hall, White.

FINANCE. — His Honor the Mayor, *ex officio*; Aldermen Smith, Twycross; the President of the Council, *ex officio*; Councilmen Park, Bennett, Robinson, Titus.

FIRE-DEPARTMENT. — Aldermen Davis, Perry (ward two); Councilmen Robinson, Kennard, Holt.

FUEL AND STREET-LIGHTS. — Aldermen Russell, Fitch; Councilmen Holt, Aldrich, Hall.

HIGHWAYS. — Aldermen Smith, Russell; Councilmen Steele, Holt, Manning.

LEGISLATIVE MATTERS. — His Honor the Mayor, *ex officio*; Alderman Perry (ward three); the President of the Council, *ex officio*; Councilmen Titus, Bennett.

ORDINANCES. — Aldermen Perry (ward three), Davis; Councilmen Bennett, Emerson, Park.

PRINTING. — Aldermen Davis, Russell; Councilmen Aldrich, Woodberry, Earle.

PUBLIC PROPERTY. — Aldermen Perry (ward three), Perry (ward two); Councilmen Titus, Stilson, Emerson.

SOLDIERS' RELIEF. — Aldermen Twycross, Hayward; Councilmen Stilson, Manning, Earle.

WATER. — Aldermen Hayward, Davis; the President of the Council; Councilmen White, Hall.

COMMITTEES OF THE BOARD OF ALDERMEN.

(STANDING COMMITTEES.)

ELECTIONS. — Aldermen Perry (ward two), Perry (ward three).

ENROLLED ORDINANCES. — Aldermen Hayward, Fitch.

LICENSES. — Aldermen Hayward, Perry (ward two).

POLICE. — His Honor the Mayor, *ex officio*; Aldermen Fitch, Smith.

SEWERS. — Aldermen Perry (ward three), Fitch, Twycross.

STATE AID. — Aldermen Russell, Davis, Smith, Twycross.

(SPECIAL COMMITTEE.)

BUILDING PERMITS. — Aldermen Smith, Davis.

STANDING COMMITTEES OF THE COMMON COUNCIL.

ELECTIONS AND RETURNS. — Councilmen Manning, Earle, Emerson.

ENROLLED ORDINANCES AND RESOLUTIONS. — Councilmen Titus, Woodberry, White.

SCHOOL COMMITTEE.

JOHN A. CUMMINGS, *Mayor, Chairman, ex officio.*

JOSIAH B. MAYHEW, *President of the Common Council, ex officio.*

(Term, three years.)

WARD ONE.

JOHN H. BUTLER (elected 1881)	. . .	Pearl Street.
HENRY M. MOORE (elected 1882)	. . .	Myrtle Street.
HORACE C. WHITE, M.D. (elected 1883)	. . .	Pinckney Street.

WARD TWO.

OREN S. KNAPP (elected 1881)	. . .	School Street.
Rev. GEORGE W. DURELL (elected 1882)	. . .	Summer Street.
Mrs. CORNELIA B. SKINNER (elected 1883)	. . .	High Street.

WARD THREE.

HENRY F. WOODS (elected 1881)	. . .	Sycamore Street.
NORMAN W. BINGHAM (elected 1882)	. . .	School Street.
Q. E. DICKERMAN (elected 1883)	. . .	Central Street.

WARD FOUR.

MARTIN W. CARR (elected 1883 for unexpired term)	. . . . .	Craigie Street.
Professor BENJAMIN G. BROWN (elected 1882)	. . . . .	Professors' Row.
H. P. MAKECHNIE, M.D. (elected 1883)	. . . . .	Elm Street.

Superintendent and Secretary, J. H. DAVIS, Myrtle Street.

PRINCIPAL ASSESSORS.

(Term, three years.)

STILLMAN H. LIBBY (elected 1883), <i>Chairman,</i>	. . . . .	Elm Street.
GEORGE W. HADLEY (elected 1882)	. . . . .	Perkins Street.
BENJAMIN F. THOMPSON (elected 1884)	. . . . .	Summit Avenue.

ASSISTANT ASSESSORS.

(Term, one year.)

JOHN C. TENNEY, Ward One	Mystic Avenue.
ADONIRAM J. TAYLOR, Ward Two	Aldersey Street.
REUBEN A. MELVIN, Ward Three	Bonair Street.
SAMUEL T. RICHARDS, Ward Four	Summer Street.

BOARD OF HEALTH.

(Term, physician three years, other members two years.)

GEORGE A. KIMBALL (appointed 1883), <i>Chairman</i> ,	Office, City Hall.
GEORGE C. SKILTON (appointed 1884)	Walnut Street.
THOMAS M. DURELL, M.D. (appointed 1882)	Bow Street.
<i>Clerk</i> , GEORGE I. VINCENT.	Office, City Hall.
<i>Inspector</i> , WILLIAM H. BRINE, 40 Houghton Street.	

COMMISSIONERS OF THE SINKING-FUNDS.

(Term, three years.)

NATHAN TUFTS (elected 1883)	Summer Street.
HENRY F. WOODS (elected 1882)	Sycamore Street.
EZRA D. CONANT (elected 1884)	Pearl Street.
<i>Treasurer</i> , AARON SARGENT, Broadway.	

OVERSEERS OF THE POOR.

JOHN A. CUMMINGS, *Mayor*, *Chairman*, *ex officio*.
 JOSIAH B. MAYHEW, *President Common Council*.

(Term, three years.)

¹ ANSEL LEWIS (elected 1883)	Webster Street.
THOMAS CUNNINGHAM (elected 1884)	Oak Street.
JESSE J. UNDERHILL (elected 1883 for unexpired term)	Gilman Street.

¹ Deceased Feb. 18, 1884, and GEORGE W. WASHBURN elected to fill vacancy.

MYSTIC WATER BOARD.

(Term, one year.)

J. ORLIN HAYDEN, <i>President</i>	. Hill Building, Union Square.
AARON R. COOLIDGE	Columbus Avenue.
JAMES E. WHITAKER	Sycamore Street.
WALTER S. BARNES	Highland Avenue.
JOHN F. NICKERSON	Flint Street.
<i>Superintendent of Water-Works</i> , NATHANIEL DENNETT,	
Office, Prospect Street, corner Somerville Avenue.	

TRUSTEES OF THE PUBLIC LIBRARY.

(Term, three years.)

Rev. H. H. BARBER (elected 1883), <i>President</i> ,	Chestnut Court.
WILLIAM E. WELD (elected 1884)	Harvard Street.
WILLIAM VEAZIE (elected 1884)	Walnut Street.
WILLIAM H. BRINE (elected 1883)	Highland Avenue.
MARK F. BURNS (elected 1884)	Perkins Street.
CHARLES S. LINCOLN (elected 1882)	Laurel Street.
THOMAS J. BUFFUM (elected 1882)	Florence Street.
J. HENRY FLITNER (elected 1883)	Day Street.
CHRISTOPHER E. RYMES (elected 1882)	Summer Street.

Librarian, HARRIET A. ADAMS.*Assistant Librarian*, LIZZIE A. STEVENS.**CITY CLERK AND CLERK OF BOARD OF ALDERMEN.**

CHARLES E. GILMAN. Office, City Hall.

CITY TREASURER AND COLLECTOR OF TAXES.

JOHN F. COLE. Office, City Hall.

CITY MESSENGER.

JAIROS MANN. Office, City Hall.

CITY SOLICITOR.

SAMUEL C. DARLING. Office, 18 Rogers Building, Boston.

CITY AUDITOR.

DOUGLAS FRAZAR. Office, City Hall.

CITY ENGINEER.

GEORGE A. KIMBALL. Office, City Hall.

SUPERINTENDENT OF STREETS.

FRANK G. WILLIAMS, Albion Street. Office, City Hall.

CHIEF OF POLICE.

MELVILLE C. PARKHURST, Police Station, Bow Street.

CHIEF ENGINEER OF FIRE-DEPARTMENT.

JAMES R. HOPKINS. Office, Engine House, Highland Avenue.

INSPECTOR OF BUILDINGS.

DAVID A. SANBORN, Prospect Street.

CITY PHYSICIAN.

THOMAS M. DURELL, M.D., 14 Bow Street.

CLERK OF ASSESSORS AND COMMITTEES.

GEORGE I. VINCENT. Office, City Hall.

ASSISTANT CLERK OF ASSESSORS AND COMMITTEES.

WILLIAM P. MITCHELL. Office, City Hall.

CONSTABLES.

JAIRUS MANN.	WM. H. BRINE (Houghton St.).
ROBERT R. PERRY.	WILLIAM D. HAYDEN.
HORACE B. RUNEY.	SAMUEL R. DOW.
CHARLES C. FOLSOM.	JOSEPH J. GILES.
JOHN S. McADOO.	GEORGE CULLIS.

FIELD-DRIVERS.

CHARLES C. FOLSOM.	FRED. W. SLADE.
JOHN E. FULLER.	DENNIS KELLY.
JUDSON W. OLIVER.	GEORGE L. SMITH.
GEORGE H. CARLETON.	CHARLES A. SMALL.

FENCE-VIEWERS.

DAVID A. SANBORN.	WARREN POLLARD.	CHARLES D. ELLIOT.
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POUND-KEEPER.

CHARLES A. SMALL.

SEALER OF WEIGHTS AND MEASURES.

NOAH HARDING, Sycamore Street.

SURVEYOR OF WOOD, BARK, AND LUMBER.

SAMUEL T. LITTLEFIELD.

SURVEYOR OF STONE-WORK.

JAMES R. HOPKINS.

SURVEYOR OF STONE, BRICK, AND PLASTER WORK.

ALFRED M. SIBLEY.

SURVEYOR OF MECHANICS' WORK.

CHARLES D. ELLIOT.

PUBLIC WEIGHERS.

W. DANFORTH.

PATRICK O'BRIEN.

UNDERTAKERS.

HORACE B. RUNEY.

A. L. SANBORN.

PATRICK RAFFERTY.

WILLIAM A. FLAHERTY.

P. H. RAFFERTY.

H. D. RUNEY.

E. H. MARSH.

THOMAS J. BARKER.

POLICE-DEPARTMENT.

M. C. PARKHURST, *Chief*.R. R. PERRY, *Captain*.S. R. DOW, *Sergeant*.C. C. FOLSOM, *Sergeant*.

C. C. CAVANAGH.

P. W. SKINNER.

S. C. ROLLINS.

S. A. BROWN.

JOHN E. FULLER.

JOHN HAFFORD.

F. W. SLADE.

IVAN LAIGHTON.

A. L. STAPLES.

M. H. KINSLEY.

ALBERT FISK.

I. S. CAMPBELL.

J. W. OLIVER.

EDWARD MCGARR.

GEORGE W. BEAN.

G. A. BODGE.

GEORGE L. SMITH.

DENNIS KELLY.

EDWARD M. CARTER.

GEORGE H. CARLETON.

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

MEETINGS.

BOARD OF ALDERMEN.

Second and fourth Wednesday evenings of each month.

COMMON COUNCIL.

Thursday evenings following the second and fourth Wednesdays of each month.

SCHOOL COMMITTEE.

Last Monday evening of each month.

MAYOR'S INAUGURAL ADDRESS.

INAUGURAL ADDRESS
OF
HON. JOHN A. CUMMINGS.

DELIVERED JAN. 7, 1884.

GENTLEMEN OF THE CITY COUNCIL, — Through the partiality of our fellow-citizens we have been selected to manage the business affairs, and care for the present and future interests of Somerville, during the municipal year now commencing. Let us enter upon our duties with a firm determination to be honest, industrious, and energetic in their discharge, that we may look back upon the work of the year, at its close, with satisfaction to ourselves, and that we may receive the approval of our constituents as a reward for our labors.

To render you some slight assistance in your work, it will be my endeavor, at this time, to give you a concise statement of our city's financial affairs, the condition and needs of the various departments, so far as the same are known to me, and offer for your consideration a very few brief suggestions.

FINANCES.

Though the accounts for the fiscal year ending Dec. 31, 1883, are not yet entirely closed, the following statements, furnished me by the city treasurer, may be relied upon as almost exactly correct : —

The net debt of the city, Jan. 1, 1883, was \$1,175,265.85. Jan. 1, 1884, the debt is as follows : —

Total funded debt	\$1,585,000 00
Less amount of sinking-fund (estimated)	438,000 00
Funded debt, less sinking-fund	<u>\$1,147,000 00</u>

Less excess of assets over liabilities, 1882	\$36,079 97	
Less-excess of assets over liabilities, 1883 (estimated)	8,000 00	
		<u>\$44,079 97</u>
Net debt of the city, Jan. 1, 1884		\$1,102,920 03

Our net indebtedness has been reduced, during 1883, as follows:—

Sinking-fund, contribution and accumulation	\$64,345 82
Surplus saved from appropriations of 1883 (estimated)	8,000 00
Total reduction	<u>\$72,345 82</u>

One year ago the unfunded liabilities of the city were \$160,000: at this time they are \$135,000. The uncollected taxes, assessments, and accounts due the treasury exceed the unfunded liabilities by about \$44,000.

The value of the public property belonging to the city, including \$341,000 for water-works, is about \$1,172,000, unless we count the new steam fire-engine and other apparatus purchased during the past year at a cost of about \$4,000, as an addition to the amount. \$15,000 has been expended during 1883 in the maintenance and extension of our water-works; but this sum has, probably, very little more than made good the annual depreciation in that department.

The assessors' valuation of the taxable property in the city on the 1st of May, 1883, was \$23,812,900, an increase of \$650,700 from the previous year; the gain being almost entirely upon new property added to the lists through the rapid building going on in our limits.

The amount raised by taxation last year was \$411,645.43, and the rate \$16.70 upon each \$1,000. As a matter of general interest, and for convenient reference, the annual valuations, tax levies, and rates, since we became a city in 1872, have been collated, and are here presented:—

YEAR.	Valuation.	Tax Levy.	Rate per \$1,000.
1872	\$22,755,325	\$294,374 45	\$13 00
1873	29,643,100	389,214 48	12 80
1874	30,837,700	473,235 50	15 00
1875	31,317,000	518,161 40	16 20
1876	26,573,400	504,475 24	18 60
1877	25,479,400	471,789 14	18 10
1878	20,976,900	409,497 10	19 00
1879	18,950,100	352,553 80	18 00
1880	20,458,100	402,927 71	19 10
1881	22,569,100	452,945 45	19 50
1882	23,162,200	425,721 16	17 80
1883	23,812,900	411,645 43	16 70

A careful study of this table shows that, when the valuation is considered, the actual rate of taxation was less last year than it has been in any other year since we became a city, with the single exception of 1872. The general prosperity with which the country has been blessed during the past few years, has contributed to the rapid growth of our city in wealth and population; and this, with a conservative and judicious administration of our affairs, has led to great improvement in our financial standing.

The increase and decrease in our net indebtedness, since we were incorporated as a city, Jan. 1, 1872, are shown by the following table. From its study we may learn how much easier it is for a municipality to accumulate a debt than it is to discharge it.

YEAR. Jan. 1.	Funded Debt.	EXCESS AND DEFICIENCY.		Sinking-Funds.	Net City Debt.
		Dr.	Cr.		
1872 . . .	\$593,349	...	\$12,988	...	\$580,361
1873 . . .	643,354	...	1,513	...	641,841
1874 . . .	849,354	\$11,969	...	...	861,323
1875 . . .	1,419,854	84,115	...	...	1,503,969
1876 . . .	1,571,854	11,276	...	...	1,583,130
1877 . . .	1,606,854	...	13,040	\$45,130	1,548,684
1878 . . .	1,606,854	...	8,407	93,959	1,504,488
1879 . . .	1,596,854	...	19,748	144,963	1,432,143
1880 . . .	1,585,000	21,197	...	198,025	1,408,172
1881 . . .	1,585,000	26,603	...	253,764	1,357,839
1882 . . .	1,585,000	...	9,067	312,263	1,263,670
1883 . . .	1,585,000	...	36,079	373,654	1,175,267
1884 . . .	1,585,000	...	44,079	438,000	1,102,921

The difference between the statement of the net debt, Jan. 1, 1879, in the foregoing, and the figures which appeared in my address of last year, is caused by omitting from the available assets betterment assessments and other accounts, which subsequently proved to be of little or no value. Slight differences in some other years are corrected in the same way.

For the last eight years, it will be seen, our progress towards the final liquidation of the debt has been steady, though slow. During that time, we have reduced it at the average rate of \$58,800 annually.

At this rate, it would require eleven years to pay off the debt incurred in the single year of 1874. During the last three years, the average annual reduction has been \$85,000. At this rate, it will require thirteen years to wipe out our entire indebtedness. If pros-

perous times continue, and our city increases in population and taxable property as it has for the last five years, there is no reason why this may not be done, and, at the same time, the rate of taxation be considerably reduced. We have no extraordinary expenses to meet. Our streets, sewers, sidewalks, fire-department, police-department, and other minor interests, are in good condition, and can be kept so without any serious increase in the annual appropriations. Our school-department is the only one in which a material increase in the annual expenditures must be made, and this ought to be kept strictly to the purpose of providing instruction and suitable accommodations for the annual increase in pupils, consequent upon the growth of the city.

During the past year bonds to the amount of \$64,000, bearing interest at the rate of six and one-half per cent, have been renewed at five per cent, and placed in the sinking-fund at par. Our sinking-fund is all invested in the bonds of our own city, bearing interest at this rate. Bonds amounting to \$473,500, most of them bearing interest at the rate of six and one-half per cent, mature this year. It would be wise to renew such as are not to be placed in the sinking-fund, at four per cent interest, instead of five as has heretofore been the practice, if it can be done, and the bonds sold at par.

Taken as a whole, our present financial condition reflects great credit upon the men, who, under difficult and trying circumstances, have served in our city council during the past eight years. Our fellow-citizens expect us to emulate their example in the discharge of the duties and responsibilities we have this day assumed.

INCREASE IN POPULATION AND POLLS.

The rapid increase in population and polls in Somerville, since 1865, is worthy of note. For reference, a condensed statement of our growth is here presented:—

In 1865, population	. . . 9,353	No. polls	. . . . . 1,957
“ 1870, “	. . . 14,685	“ “	. . . . . 3,406
“ 1875, “	. . . 21,868	“ “	. . . . . 5,413
“ 1880, “	. . . 24,993	“ “	. . . . . 6,089

The number of polls assessed in 1883 was 6,985, indicating that our present population must be fully 30,000. It is not improbable that in fifteen years from this time we shall number 50,000 souls.

In 1883 one hundred and twenty-nine new dwelling-houses were erected in the city.

SCHOOLS.

The whole number of schools in our city is ninety-three, classified as follows :—

High school	1
Grammar schools	50
Primary schools	42
Increase in the past year	4

The estimated value of our school property is \$358,500. We have nineteen school-buildings, containing ninety-six schoolrooms. There are three vacant rooms, and one hired for school use.

One hundred and six teachers are employed, not including an instructor in music, divided as follows : In the high school, eight ; in the grammar schools, fifty-five ; in the primary schools, forty-two.

The number of persons in the city May 1, 1883, between five and fifteen years of age, was 5,478 ; increase from May 1, 1882, 376. The number of pupils in attendance in January, 1883, was 4,518. The number in attendance in December was 4,767, divided as follows : In the high school, 275 ; in the grammar schools, 2,286 ; in the primary schools, 2,206. The whole number of pupils registered during the last year was 5,726 ; the average attendance for the year was 4,191. At the present time six per cent of our pupils are in the high school, forty-eight per cent in the grammar schools, and forty-six per cent in the primary schools.

The total appropriations for the support of schools last year amounted to \$89,000, divided as follows : For school-teachers' salaries, \$68,000 ; for school contingent, \$9,000 ; schoolhouse incidentals, \$7,000 ; fuel, \$5,000. These appropriations were exceeded by \$5,266, not including the cost of alterations in the high-school building, which have been made near the close of the year, in order to furnish two schoolrooms in the upper story.

The average annual cost of instruction per scholar varies in the different divisions, from \$11.25 in the Prospect-hill district to \$16.43 in the Spring-hill district ; the difference being caused mainly by the number of pupils assigned to a teacher. In the Prospect-hill district each teacher has, on an average, fifty-two scholars ; while there are but thirty-nine to each teacher employed in the Spring-hill dis-

trict. The average annual cost for instruction is about \$13.50 for each pupil in the primary and grammar schools of the city.

It will be necessary to provide a new schoolhouse, as a substitute for the one now in use on Cedar Street, during the present year. The building now occupied is too small to accommodate the number of scholars, and otherwise unfit for use. It would be good policy to build more two and four room schoolhouses, located at convenient points in the city, for the accommodation of primary scholars, and thus make room in our large school-buildings for the increasing number of grammar scholars, rather than to construct large buildings, requiring a heavy outlay at the beginning, and a large annual expense for their maintenance thereafter.

Our schools are generally in excellent condition, under the charge of teachers who are as a rule capable and efficient, a superintendent who is active and faithful, and a school board which earnestly endeavors to advance their standard, and place them among the best in the country.

PUBLIC LIBRARY.

Our public library now contains 10,462 books, 783 volumes having been added during the past year. It has been open 306 days, and 70,531 books have been delivered. The largest number taken out in any one day was 690, and in any one month 8,157. Too much cannot be said in behalf of this institution. It is the one valuable source of instruction and amusement, open alike to old and young, rich and poor, in our city. The benefits derived from it are beyond estimate.

It is greatly in need of additional accommodations, and this want is earnestly commended to your consideration.

HIGHWAYS.

Our streets have been faithfully cared for in the past year, and, with few exceptions, are in excellent condition. Newbury Street, Jaques Street, Herbert Street, and Cottage Avenue have been graded and macadamized. Austin Street has been graded, edge-stones set, gutters paved, brick sidewalks laid, and the road-bed prepared for macadamizing. Mystic Avenue, from the Park to Austin Street, has been filled to its full width on the southerly side; the road-bed raised, ballasted, and macadamized in a thorough manner; and a gravel sidewalk con-

structed on the southerly side. No further work will be necessary on this portion of the street, except ordinary repairs, until the land on the northerly side is filled to grade. Evergreen Avenue, from School Street to Thurston Street, is the only highway accepted during the year past. No work has yet been done upon it by the city.

Edge-stones have been set, and gutters paved, in Aldersey Street, Concord Avenue, Davis Square, Glen Street, and Herbert Street, and brick sidewalks laid in the latter.

The improvement on Central Hill has been carried on, by grading a considerable portion of the ground, in accordance with the plan of the city engineer. I sincerely wish that, as this work goes on, some method might be devised which should mark the outlines, at least, of the Revolutionary earthworks still visible on this hill. If we value our liberties, such a monument to the men who secured them by their self-sacrificing devotion should not be allowed to vanish from our midst. The march of improvement has destroyed nearly all other evidence of the presence upon our territory of the heroic Provincial army. Let us save this, if we can, as a lesson in patriotism for future generations.

One measure inaugurated last year for the beautifying of our city, and carried out by the street-department, will, I hope, be continued indefinitely. By an order adopted early last year, the superintendent of streets, under direction of the highway committee, was authorized to set out trees furnished by citizens, in the public streets and places, the cost of the labor to be paid by the city. Under this order 133 trees have been set, at an expense of \$87.50. No money was ever more wisely expended than this small sum, and the policy should be continued. We also need to use every effort possible to protect the trees already growing in our streets from injury and destruction. The statutes of the State, and ordinances of the city, are ample for this purpose, if our citizens will but take the pains to bring to the notice of our officials depredations of this character.

The committee of last year again recommend the purchase of a steam road-roller and picker by the city. Their recommendation is commended to your attention.

The total appropriation for the street-department in 1883 was \$38-000, which included \$3,000 for sidewalks, and \$3,000 for watering. In addition to this, the Central-hill improvement and the Public-park maintenance were severally under the charge of the highway committee, with an appropriation of \$1,500 for each. From these several

appropriations a balance of about \$1,500 was saved by the committee, and the work of the department carried on in a most satisfactory manner.

FUEL AND STREET-LIGHTS.

The appropriation for school-fuel last year was \$5,000 ; total expenditure, \$4,889.57 ; balance unexpended, \$110.43.

For street-lights the appropriation was \$7,500 ; total expenditures, \$6,863.41.

Included in the expenditures are the items of \$212.61 for new street-lamps ; for new attachments for oil-lamps, \$199.50 ; and for changing oil-lamps to gas-lamps, \$40.30. Nine new lamps were added during the year, making the total number in the city Dec. 31 last, 408, — 350 gas-lights, and 58 naphtha-lamps. On the 1st of April last the committee in charge of this department secured a reduction in the price of gas, from \$2.25 per thousand feet to \$2.15. This action made a saving in expense ; so that, notwithstanding the number of lights was increased by 15 in 1882 and six in 1883, the actual expense for gas last year was less than the year previous. Another economical measure on the part of the committee was the termination of the contract with the Globe Gas-light Company, to whom the city was paying \$1.75 per month per light for the use of attachments and care of 55 lamps, and naphtha burned. In February last these attachments were removed, and the lamps supplied with the Eclipse attachment, at a cost of \$3.50 each. Thereafter, these lamps were lighted and cared for by the city, at less than one-half the expense previously incurred. By this action the entire cost of changing the lamps, and over \$300 besides, was saved, and a saving to the treasury hereafter of at least \$700 per year effected. The committee also contracted for the lighting and care of lamps at the rate of forty cents per light per month, — a much lower price than that heretofore paid. These matters may seem to you unimportant, on account of the small amounts involved ; but the same care, calculation, and good judgment applied to all the departments would bring the management of the city's business to such a standard that it would take rank with the best-ordered private business.

SEWERS.

The appropriation for this department last year was \$9,600. Of this sum a balance of \$500 was unexpended. About one mile and a

third in length of new sewer was built, at a cost to the city of \$2,828 ; 331 feet of old sewer was rebuilt, at a cost to the city of \$354. The only extraordinary expense of this department last year was the removal of the deposit from the mouth of the Bridge-street sewer. This work was performed by the city of Cambridge, and five-ninths of the expense, \$1,662, was paid by Somerville. We have some defective sewers in the city, which should be reconstructed or repaired, as the case may require.

A petition for edge-stones and sidewalks in Linwood Street was presented last year, but the work was not performed. Before it is done, such portion of the sewer now in the street as may be found necessary should be reconstructed, the water-pipes placed in good condition, and the street raised to grade sixteen, as required by the statutes. No further action looking to the establishment of a metropolitan system of sewerage was taken by the last Legislature.

HEALTH.

At the request of the school committee, our board of health, after a careful inspection, made an exhaustive report in March last on the sanitary condition of our school-buildings. Many serious defects were found, some of which had existed for years, and may have been the cause of much sickness. Had the same defects been found in a private house, a remedy would have been applied at once ; but with our schoolhouses there seems to be no person who is, or feels, responsible for the details of their sanitary arrangements. Defects which are an offence to the eye receive prompt attention ; but those which are out of sight, though dangerous to life and health, are given hardly a thought.

If our school-buildings could all be placed under the care of some one skilled person, upon whom should rest the responsibility for defects, and for the neglect of needed repairs, a remedy would be provided for many of the troubles experienced in the past. Such person should have power to remove and employ janitors, subject to the approval of the school board ; for the carelessness and neglect of these persons is often the cause of serious trouble and danger.

A careful examination of the last two school-buildings erected in the city — the Highland and the Edgerly — convinces me of the importance of having the plans for the next one we build made by a competent person, — one well versed in sanitary matters, heating

and ventilation. There are not only serious defects in the sanitary arrangements in the two buildings mentioned, but a great waste of fuel. For instance, the Highland and Edgerly Schools have consumed thirteen and twelve tons of coal, respectively, per room, during the past year; while the Bell consumed but five and one-half tons, the Forster seven and one-half tons, and the Prescott six tons, per room. As a measure of economy alone, it will be seen how important it is that more care and judgment should be exercised in the construction of our schoolhouses. It is of vital importance that the safest sanitary arrangements, good ventilation, and the best possible heating-apparatus be secured in all our public buildings.

Persons in our city who have reason to suspect that their dwellings are in any way imperfect in their sanitary provisions should avail themselves of the services of our board of health, without waiting till sickness or death demands an investigation. The services of the inspector of the board are paid for by the city, and are rendered in any case desired without cost to the individual.

OUR FIRE-DEPARTMENT

is in good condition. A new Silsby steam fire-engine has been added to its equipment during the past year, and gives entire satisfaction. The old engine is stored in the Brastow hose-house for use as a relief, or in case the other is called to a neighboring city. The force remains substantially the same as last year.

Four portable fire-extinguishers were added to the equipment of the department last year, and two new fire-alarm boxes.

The chief engineer renews his recommendation of one year ago, in regard to the better equipment of the department in the matter of ladders. I commend his recommendation to your consideration.

SUITS AT LAW.

Our city continues remarkably free from litigation, with few suits of importance upon the docket of the solicitor. Only two cases for personal injury upon our highways are now pending. The total amounts paid in verdicts during the last eight years, on account of accidents caused by defects in our streets, have been less than \$250.

The decrease in our litigation is well illustrated by the fact that there are now only twenty-three cases in all in charge of the solicitor; whereas, in 1876, the number was 154.

POOR DEPARTMENT.

The appropriation in 1883 for this department was \$14,000 ; receipts from other cities and towns, \$1,057.53.

The disbursements were :—

For board, in private families, of 23 persons	\$2,051 21
For rent for 25 families	1,171 45
Cost of maintaining 25 insane persons	3,740 40
Cost of maintaining sundry persons in public institutions	613 44
Paid other towns and cities for support of poor	2,451 80
Paid for groceries, fuel, dry-goods, boots and shoes, for poor	3,081 14
Paid for goods supplied to poor of other towns and cities	609 79
Paid to poor having no settlement, in part reimbursed by State	399 54
Paid, as salaries and miscellaneous accounts, about	1,850 00
Total	<u>\$15,968 77</u>

Showing an expenditure for the year of about \$900 more than the appropriation and receipts. One of the members of the board has been unable to perform the duties of his office for the greater part of the past year, by reason of severe illness. The other members have attended to the additional work devolving upon them, faithfully and cheerfully. The request that some kind of a house for the accommodation of the poor be provided by the city is again renewed by the board, and commended to your attention. Last year, the cost for rents and boarders increased nearly \$1,000.

POLICE-DEPARTMENT.

The organization of this department continues the same as it has been since 1878, and consists of a chief, captain, two sergeants, and twenty patrolmen. Some suggestions for the re-organization of the force, with a view to secure greater efficiency, have been submitted to me by the chief of the department, which I intend to present for your consideration hereafter. The appropriation for the support of the force last year was \$22,500. Of this sum, a small amount remains unexpended.

LICENSES.

Our city has again voted, by a decided majority, that no licenses for the sale of intoxicating liquor shall be granted ; and this means that it is the wish of our citizens that no intoxicants shall be sold

within our limits during the coming year, to be used as a beverage. We must enforce this command with all the authority and influence we possess.

WATER-WORKS.

The distribution-mains in this department have been extended about one and one-fourth miles during the past year, which, added to the length previously laid, gives a total of 47 miles, 476 feet.

Over one mile of main pipe has been relaid, a large portion of which was in Somerville Avenue, where an eight-inch main was substituted for a six-inch one, which had become a source of constant trouble and expense on account of its weakness. Three new hydrants and 18 new gates were set; 233 services were laid, an increase of 72 over the previous year. Water is now supplied to 3,618 dwelling-houses, containing 4,855 families; to 143 model-houses, containing 493 tenements; and to 1,302 stores, shops, manufactories, stables, churches, etc. There are now 3,838 services, aggregating $23\frac{2}{3}$ miles. No effort has been made to secure a modification of our water contract with the city of Boston during the past year.

Gentlemen of the city council, I have endeavored to set before you, briefly, the present material condition of our city and its several departments, and the work performed by your immediate predecessors. It will be your duty and mine to carefully study all questions relating to the interests of our municipality, which may arise during the year now before us, and to decide them according to our best judgment, without regard to personal prejudice or friendship, and free from sectional interests or selfish motives. Let nothing sway your action, for one moment, from what your conscience dictates as honest and just. You will have to labor diligently and earnestly if you hope to equal the record made by your immediate predecessors. Familiarize yourselves with the details of all business of the city, so far as possible, and particularly with that of the departments with which you may be immediately connected by your assignment to committees. Be masters of your work, and you will be successful.

Before closing, I desire to express to my fellow-citizens my deep gratitude for the evidence of their esteem conveyed to me in my election to this high station, for a fourth time, by a nearly unanimous

vote. To deserve the good opinion of our fellows is a laudable ambition. I am not sure that I have deserved it in the large measure it has been meted to me ; but that I have received it unstintedly is certain, and the pleasure it affords more than compensates for the pain experienced in the many unpleasant duties which must be unflinchingly performed by whoever occupies an executive station. Without a desire to assume again the duties of this, or any other public office, I return to the people of Somerville my most hearty thanks for the many expressions of confidence received at their hands, and only hope that I may, in some small measure, merit a continuance of their good opinion till life's end.

MAYOR'S VALEDICTORY ADDRESS.

CITY OF SOMERVILLE.

IN CITY COUNCIL, Jan. 3, 1885.

Referred to the next city council, to be printed in the annual reports.

CHARLES E. GILMAN, *City Clerk.*

VALEDICTORY ADDRESS

OF

HON. JOHN A. CUMMINGS.

DELIVERED JAN. 3, 1885.

SOMERVILLE, Jan. 3, 1885.

GENTLEMEN OF THE CITY COUNCIL, — Our labors as members of the city government of Somerville for the year 1884 are closed ; and we may look back, for a moment, over the task accomplished, with the satisfaction of having performed our duties with a purpose single to the prosperity of our municipality. It has been a year of harmony and good feeling in both branches ; and every member has been able to devote his best judgment to the work of the city, without bias from selfish interests, personal prejudices, or unbalanced temper. Mistakes we may and doubtless have made ; but, in the light of the present, none of importance can be noted.

For those of our number who are to continue in the service of the city, I would bespeak the same success which has crowned their efforts in the past. May you act with the same unselfish devotion to the welfare of our good city, in the year to come, that has characterized your record throughout the year that has passed !

To you who with me now retire from the service of the city, I extend my most heartfelt wishes for your future prosperity. May each one of you be blessed with all the success that deserving effort can bring, in whatever avenue of life your steps may turn ! We all, I believe, will carry with us the consciousness of having performed the public duties imposed upon us, by the favor of our fellow-citizens, with fidelity to our honest convictions of what was right and wise ; and we give way to our successors with no regrets that our official duties are ended.

Eighteen of the twenty-four members of the present city council have been re-elected to the council of 1885,—a much larger proportion than usual. A change of nearly the entire membership of both branches is invariably a detriment to the interests of the city. Nothing but gross mismanagement would prompt the stockholders in any ordinary corporation to make a complete and sudden change in its board of directors and managers. It is a fact that the varied and complex interests of our municipal corporations suffer serious damage by reason of frequent changes in plans and policy, consequent upon frequent change of managers. Four years is not a long apprenticeship for any man to serve in the government of our city, and it is scarcely long enough for one to acquire even a superficial knowledge of the administration of all its different departments. Yet of the twenty-four men associated with me in the government of the city four years ago, but two remain to-day. Both of these retire with the council of 1884, thus making an entire change in the membership within five years.

This frequent change in the officers elected by the people would result in greater injury to the interests of the city, were it not for the excellent though unwritten civil-service rules which have always prevailed in our city in the selection of all heads of departments and minor officials. Whenever I have been called upon to nominate a person for any position in the service of the city, my only anxiety has been to select from the applicants the best man for the place, without regard to political influence or personal friendship or prejudice. I have never inquired as to the political affiliation of any candidate for an appointment, and have seldom known to what party an applicant belonged. You, I believe, have followed the same rule in the choice of such officials as are elected jointly by the two branches. A faithful and efficient officer is secure in his position in the service of the city of Somerville during good behavior. Our veteran city clerk, whose record as recording officer of our town and city is unbroken by that of any other man in the United States, either in time of service or in the method and excellence of his work, is as sure to be re-elected for his forty-fourth term, on Monday next, as the sun is to rise. Our model city treasurer will have the unanimous vote of both branches for his re-election; and the various heads of departments, city solicitor, clerks, auditor, messenger, and every faithful and efficient employee of the city, are secure from displacement through personal or political influence. Though we heartily indorse the civil-service rules

recently promulgated by the Commonwealth, no town or city within her limits has at present less need of them.

Owing to the unusual call for expenditures in 1884, the net reduction in the indebtedness of the city will be less than has been usual in other recent years. Two new schoolhouses, the new public-library building, the enactment of a law by the State requiring the city to furnish all text-books used in the schools, and the new registration law, have called for about \$50,000 for unusual expenses. To meet these outgoes, the surplus of \$45,000, saved from the income of the years 1881-83, has been used. From this cause, the reduction in our net indebtedness will be but about \$33,000 in 1884, leaving the net debt of the city Jan. 1, 1885, at about \$1,068,000. In the five years from Jan. 1, 1876, when our debt was at its highest point, a reduction of \$225,000 was made. In the last four years it has been reduced \$290,000. At the latter rate it will require some thirteen years to wipe out our entire debt. In that time we shall have paid the entire amount of the original debt twice, the interest amounting to as much as, or more than, the principal.

Our rate of taxation, taking into consideration the valuation placed upon taxable property, has been lower during the past two years than for nine years previous. To this fact, and to the prospect of freedom from extravagance in the management of our municipal affairs in the future, may be attributed in a large measure our rapid increase in dwellings and population.

In the past year we have renewed about \$400,000 of the bonded debt, upon which we were previously paying interest at the rate of six and six and one-half per cent, at the rate of four per cent, which will effect a reduction of nearly ten thousand dollars in the amount to be raised for interest in the year to come.

A surplus of nearly, if not quite, ten thousand dollars will be left over from the appropriations of the present year, to the credit of excess and deficiency account. I congratulate the members of the council upon this result. Though it has been a year of unusual and extraordinary demands upon the treasury, every department has been conducted with such honesty and economy, that our successors will find the balance for the new year on the right side of the ledger.

The defects in the method of carrying on our municipal business make the record of our city one of great credit to the members of the several councils for the past nine years. It is a mistake to vest the authority both to raise and expend money in the same boards.

The tendency is for the members of each committee to secure as large an appropriation as possible for the department with the administration of which they are specially charged, and, to accomplish this purpose, the votes of other committee-men having a like ambition must be secured. While it is a laudable ambition for each committee-man to strive to make his department as perfect and efficient as possible, it is not conducive to economy and low taxation that each one should have a special interest in a liberal appropriation in a particular direction. An amended city charter is the channel through which this difficulty may be remedied. The provisions in the new city charter of Waltham commend themselves to my judgment in this respect.

Originally opposed to the bill enacted by the Legislature, limiting municipal indebtedness, I have become converted to its wisdom by practical experience in the management of the affairs of a city. Nearly all the outside influence brought to bear upon a member of our city council comes from parties who desire some special expenditure; and a draft upon the treasury is often secured, by plausible and persistent effort, which the general interest does not warrant. The special pressure upon the member is for liberal expenditures,—in the matter of economy he is left to his own judgment.

It would, I believe, be for the general welfare of our cities, if the Legislature should advance another step in this direction, and limit the amount to be raised annually, by taxation, for the ordinary and usual expenses of a municipality.

Our city is to be congratulated upon the excellent condition of every branch of its service. Our schools are unsurpassed in excellence. The police and fire departments are each under the direction of faithful and competent chiefs, with an efficient and trustworthy corps of men in their service.

There have been, recently, some sensational remarks published about our water-works; but there is no crisis or any cause for alarm in that department, as has been suggested. A portion of the cement pipe laid some years ago, by contract, needs to be replaced. This can be done with an appropriation of ten to fifteen thousand dollars per year, taking up the poorest portion of the old pipe, and putting new iron pipe, now nearly as cheap as the cement, in its place. By this method the work will be easily accomplished without increasing the debt.

Our streets and sidewalks were never in better condition. Efficient

work has been done in the building and improvement of our sewers ; and those unseen, but absolutely essential, requisites to our municipal prosperity are growing in usefulness from year to year.

Our board of health, from an unpopular or indifferent consideration in the minds of our citizens, has risen to its recognized importance as an instrument of great value to our health and comfort. May its members always receive a just appreciation for the performance of duties often difficult and disagreeable !

Our public library will soon be accommodated in a building commensurate to its needs, and in keeping with our prosperous city. As an educator to our young, its value is measureless ; and any reasonable expenditure for the increase of its usefulness will always be a paying investment.

To the several officials and heads of departments with whom I have been associated in official duties during the past four years, I desire to return my sincere thanks for the courtesy and kindness always received at your hands, and to return my acknowledgments for advice and counsel, often of great value, in the performance of the duties of chief executive.

Through life I shall carry with me pleasant memories of your faithful and cheerful performance of all public duties, and of your earnest devotion to the good and welfare of our thriving city.

May God bless you all with many years of prosperity and usefulness !

1884-1885

REPORT

OF THE

TREASURER AND COLLECTOR OF TAXES.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 28, 1885.

Referred to the Committee on Finance, and sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Jan. 28, 1885.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

IN COMMITTEE ON FINANCE, Feb. 14, 1885.

The annual report of the treasurer and collector of taxes for the year 1884 having been referred to this committee, we have, in conjunction with the auditor, carefully examined the same, together with the books and vouchers in the treasurer's office, making comparisons with the books of the auditor and with the statements received from the several committees, boards, and officers of the city as provided by ordinance, and find no errors in the treasurer's work. We have also verified the cash-balance by actual count and an investigation of the bank-deposits. The high standard of excellence established in the treasurer's office has been fully maintained; and we recommend that the report be accepted, and printed with the annual reports.

MARK F. BURNS,
HIRAM D. SMITH,
S. G. A. TWYCROSS,
HERBERT C. HALL,
ISRAEL C. EARLE,
ALBERTO P. CLARK, } *Committee.*

IN BOARD OF MAYOR AND ALDERMEN, Feb. 25, 1885.

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

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Feb. 26, 1885.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

REPORT

OF THE

TREASURER AND COLLECTOR OF TAXES.

TREASURER'S OFFICE, Jan. 22, 1884.

To the Honorable the Mayor and City Council of the City of Somerville.

GENTLEMEN, — The undersigned presents herewith the thirteenth annual report of the financial condition of the city, and a statement showing in detail the receipts and disbursements of the several departments for the year ending Dec. 31, 1884.

The value of the property of the city, Dec. 31, 1883, as appears by the schedule published with the last annual reports, was \$1,172,600. From this inventory there has been deducted, during the past year, the following items; viz., Lincoln Schoolhouse, destroyed by fire Oct. 22, 1884, \$6,485.42; Forster Schoolhouse, for 5,194 feet of land taken for the laying out and extension of Evergreen Avenue, \$2,077.76. And the accessions thereto were for amounts expended to Dec. 31, 1884.

On Public-Library building	\$12,909 31
“ Lincoln Schoolhouse	1,018 55
“ Davis Schoolhouse (Tufts Street)	9,226 89
“ Cummings Schoolhouse (School Street)	12,611 12
Land on Whipple Street purchased by the city for non-payment of taxes, under authority of chapter 242 of the Laws and Resolves of 1884	388 27

making the value of the public property, Dec. 31, 1884, \$1,200,190.-96, as will more fully appear in Table A of the Appendix.

The funded debt of the city stands the same as at the close of last year; viz., \$1,585,000.

City Loan Bonds at $6\frac{1}{2}$ per cent interest, amounting to	\$407,500
“ “ “ “ 6 “ “ “ “	26,000
“ “ “ “ $5\frac{1}{2}$ “ “ “ “	20,000
Water Loan Bonds at $6\frac{1}{2}$ per cent interest, amounting to	15,000
“ “ “ “ 5 “ “ “ “	5,000
	<hr/>
Amounting in all to	\$473,500

became due during the year, and were provided for by the issue of

City Loan Bonds, Nos. 467 to 507, amounting to	\$41,000
“ “ “ “ 508 to 575 “ “	68,000
“ “ “ “ 576 to 646 “ “	71,000
“ “ “ “ 647 to 720 “ “	74,000
“ “ “ “ 721 to 798 “ “	78,000
“ “ “ “ 799 to 852 “ “	54,000
Water Loan Bonds “ 200 to 202 “ “	3,000
“ “ “ “ 203 to 212 “ “	10,000
	<hr/>
Amounting to	\$399,000

These bonds, bearing interest at *four per cent*, were offered in open market ; and it is gratifying to be able to report, that, notwithstanding the reduced rate of interest, and the comparatively short term before maturity, they were sold at a premium of \$9.30 on each \$1,000.

There were also issued

City Loan Bond, No. 853, for	\$12,500
“ “ “ “ 854, “	52,000
“ “ “ “ 855, “	3,000
Water Loan Bond “ 213, “	7,000
	<hr/>
Amounting to	\$74,500

bearing interest at five per cent, which were purchased by the commissioners of the sinking-funds at par, making in the aggregate the amount of bonds issued during the year, \$473,500.

To provide for the payment of the State and county taxes, and for the expenses of the city for the year 1884, the assessors' warrant was received for the tax levy on a valuation on real estate of \$22,587,700 ; valuation on personal property of \$1,743,400 : making a total valuation of \$24,331,100, at a rate of \$16.60 on \$1,000 valuation ; and 7,427 polls at \$2.00 each, amounting to \$418,750.26. To this amount must be added the sum standing to the credit of excess and defi-

ciency account, being the excess of appropriations over expenditures to Jan. 1, 1884, \$45,772.18, it having been placed to the credit of the various accounts, by orders of the City Council, to meet expenditures not provided for by the tax levy; making the total amount provided for the payment of the current expenses of the various departments of the city for the year 1884, \$464,522.44.

The appropriations for the year provided for by the tax levy, the amounts transferred to the credit of the various accounts, the additional amounts credited, the amount of expenditures, and the unexpended balances of the various departments, were as follows: —

Accounts.	Appropriations.	Additional credits.	Expenditures and balances.
Broadway-Park Maintenance: —			
Appropriation	\$1,500 00		
Received for hay sold		\$30 13	
Expenditures			\$1,295 82
Unexpended balance			234 31
Central-Hill Improvement: —			
Appropriation	1,000 00		
Received for grading and filling		1,150 21	
Expenditures			1,691 46
Unexpended balance			458 75
Fire Department: —			
Appropriation	22,000 00		
Received for old materials, etc.		103 75	
Expenditures			22,091 27
Unexpended balance			12 48
Health Department: —			
Appropriation	\$3,500 00		
Transferred to schoolhouse incidentals account	400 00		
	3,100 00		
Received for permits, licenses, etc.		571 67	
Expenditures			3,610 55
Unexpended balance			61 12
Highways: —			
Appropriation	32,000 00		
Transferred from sidewalks account	1,400 00		
Received credit for land taken for extension of Evergreen Avenue, charged in pay-roll to this account		2,077 76	
Received for labor and materials		6,209 70	
Expenditures			40,841 37
Unexpended balance			846 09

Accounts.	Appropriations.	Additional credits.	Expenditures and balances.
Indigent Soldiers and Sailors :—			
Appropriation	\$500 00		
Received from State of Massachusetts,		\$484 00	
Expended			\$968 00
Unexpended balance			16 00
Interest :—			
Appropriation	\$68,000 00		
Transferred to other accounts	10,478 40		
	57,521 60		
Rec'd interest, corporation, bank taxes,		22,058 65	
Expenditures			75,721 37
Unexpended balance			3,858 88
Lincoln Schoolhouse :—			
Transferred from interest account	500 00		
Transferred from excess and deficiency account (amt. rec'd for insurance)		3,485 42	
Expended			1,018 55
Balance to be expended in 1885			2,966 87
Miscellaneous :—			
Appropriation	3,000 00		
Transferred from interest account	1,100 00		
Received for costs on taxes, etc.		1,776 97	
Expenditures			5,836 24
Unexpended balance			40 73
New Ladder Attach'nt, Fire-Apparatus :—			
Appropriation	600 00		
Expended			600 00
Police :—			
Appropriation	22,500 00		
Received for court fees, fines, etc.		2,098 75	
Expenditures			24,572 16
Unexpended balance			26 59
Police-Station Incidentals :—			
Appropriation	1,800 00		
Received for rent of hall		669 50	
Expenditures			2,167 20
Unexpended balance			302 30
Public Library :—			
Appropriation	1,500 00		
Received for dog-licenses, fines, etc.		1,645 30	
Expenditures			3,120 30
Balance to be expended in 1885			25 00
Public-Library Building :—			
Transferred from excess and deficiency account	15,000 00		
Expended			12,909 31
Balance to be expended in 1885			2,090 69

Accounts.	Appropriations.	Additional credits.	Expenditures and balances.
Printing and Stationery : —			
Appropriation	\$3,000 00		
Transferred from interest account	600 00		
Received for advertising		\$7 20	
Expenditures			\$3,473 95
Unexpended balance			133 25
Salaries : —			
Appropriation	18,900 00		
Transferred from interest account	128 55		
Expenditures			19,028 55
School Contingent : —			
Appropriation	9,000 00		
Transferred from excess and deficiency account	3,000 00		
Transferred from interest account	5,679 39		
Received for tuition of non-resident pupils		217 50	
Expenditures			17,896 89
School Fuel : —			
Appropriation	\$5,000 00		
Transferred to sewers account	300 00		
Expenditures	4,700 00		4,623 39
Unexpended balance			76 61
Schoolhouse Incidentals : —			
Appropriation	8,000 00		
Transferred from excess and deficiency account	1,000 00		
Transferred from interest account	1,000 00		
Transferred from health account	400 00		
Received for school furniture, etc.		941 34	
Expenditures			11,240 52
Unexpended balance			100 82
School-Teachers' Salaries : —			
Appropriation	72,000 00		
Transferred from interest account	712 77		
Expended			72,712 77
Schoolhouse on School Street : —			
Transferred from excess and deficiency account	13,900 00		
Expended			12,611 12
Balance to be expended in 1885			1,288 88
Schoolhouse on Tufts Street : —			
Transferred from excess and deficiency account	12,000 00		
Expended			9,226 89
Balance to be expended in 1885			2,773 11

Accounts.	Appropriations.	Additional credits.	Expenditures and balances.
Sewers :—			
Appropriation	\$10,000 00		
Transferred from school-fuel account,	300 00		
Transferred from street-lights account,	400 00		
Received for materials and labor		\$364 21	
Expenditures			\$10,907 69
Unexpended balance			156 52
Sidewalks :—			
Appropriation	\$3,000 00		
Transferred to highways			
account	1,400 00		
	<hr/>		
	1,600 00		
Expenditures			1,484 07
Unexpended balance			115 93
Sinking-Fund Contributions :—			
Appropriation	45,525 00		
Expended			45,525 00
Street-Lights :—			
Appropriation	\$7,500 00		
Transferred to sewers acc't,	400 00		
	<hr/>		
	7,100 00		
Received for lamp-posts, etc.		666 06	
Expenditures			7,288 26
Unexpended balance			477 80
Support of Poor :—			
Appropriation	15,000 00		
Transferred from interest account	757 69		
Received for support of paupers		1,505 07	
Expenditures			17,262 76
Watering Streets :—			
Appropriation	3,000 00		
Received from abutters		3,790 30	
Expenditures			6,787 18
Unexpended balance			3 12
Water Maintenance :—			
Appropriation	14,000 00		
Received for labor and materials		1,740 55	
Expenditures			15,448 25
Unexpended balance			292 30
Water Loan Interest :—			
Received from city of Boston for re-			
turn on water-rates		20,085 95	
Expended			17,025 00
Unexpended balance			3,060 95
County of Middlesex, County Tax :—			
Appropriation	12,097 00		
Expended			12,097 00

TREASURER AND TAX COLLECTOR'S REPORT.

Accounts.	Appropriations.	Additional credits.	Expenditures and balances.
State of Massachusetts, State Tax : —			
Appropriation	\$26,300 00		
Expended			\$26,300 00
Overlay and Abatement : —			
Appropriation	8,528 26		
Applied and to be applied to abatements on taxes			8,528 26
Excess and Deficiency : —			
Balance from 1883	\$45,772 18		
Transferred to the following accounts ; viz. : —			
Schoolhouse, Tufts Street	\$12,000 00		
Schoolhouse, School Street	13,900 00		
Public-library building	15,000 00		
Schoolhouse incidentals	1,000 00		
School-contingent,	3,000 00		
	<u>44,900 00</u>		
	872 18		
Received for land taken for extension of Evergreen Avenue		\$2,077 76	
Received and to be received for insurance on Lincoln Schoolhouse		6,485 42	
Cost of land on Whipple Street, purchased account non-payment of taxes			388 27
Transferred to highways account			2,077 76
Transferred to Lincoln Schoolhouse account			3,485 42
Unexpended balance			<u>3,483 91</u>
Appropriations	\$418,750 26		
Excess and deficiency, Jan. 1, 1884	45,772 18		
Additional credits	80,243 17		
Expenditures			\$531,007 15
Excess of appropriations over current expenses, including excess and deficiency account			13,758 46
	<u>\$544,765 61</u>		<u>\$544,765 61</u>

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

Taxes	\$173,652 11
Real-estate liens	73 58
State of Massachusetts, State aid	3,574 00
State of Massachusetts, indigent soldiers and sailors	472 00
Sidewalk assessments	917 27
Sewer assessments	10,109 35
Water-service assessments	654 81
The Hanover Fire-insurance Company	3,000 00
Cash	13,071 33
	<hr/>
Total amount of available assets	\$205,524 45

The unfunded liabilities are : —

Temporary loans	\$175,000 00
Overlay and Abatement account	6,045 37
Overplus on tax sales	102 13
Sundry persons	1,473 94
Public Library, balance to be expended	25 00
Public-library building, balance to be expended	2,090 69
Schoolhouse on Tufts Street, balance to be expended	2,773 11
Schoolhouse on School Street, balance to be expended,	1,288 88
Lincoln Schoolhouse, balance to be expended	2,966 87
	<hr/>
Total amount of unfunded liabilities	\$191,765 99
Excess of available assets over unfunded liabilities	13,758 46
	<hr/>
	\$205,524 45
	<hr/> <hr/>

The financial condition of the city, exclusive of its public property, which cannot be regarded as available for the payment of debts, is as follows : —

Funded debt	\$1,585,000 00
Amount of sinking-funds	505,852 52
	<hr/>
Net amount of funded debt	\$1,079,147 48
Excess of available assets over unfunded liabilities	13,758 46
	<hr/>
Leaving a net indebtedness, Dec. 31, 1884, of	\$1,065,389 02

Total cash receipts for the year, including a balance of \$14,465.87 from the year 1883, were	\$1,500,790 66
Total cash disbursements	1,487,719 33
	<hr/>
Leaving in the treasury the sum of	\$13,071 33

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

Respectfully submitted.

JOHN F. COLE, *Treasurer.*

APPENDIX

TO

TREASURER AND COLLECTOR'S REPORT.

TABLE A.

PUBLIC PROPERTY, DEC. 31, 1884.

Central-Hill land (12 acres, 27,920 feet)	\$100,000 00
City Hall	\$10,000 00
Furniture	3,000 00
	<u>13,000 00</u>
Public Library	8,500 00
Public-library building (unfinished)	12,909 31
Steam fire-engine house	\$10,000 00
Furniture	500 00
Steam fire-engine and apparatus	4,000 00
Steam fire-engine, hose-carriage, and apparatus	2,000 00
	<u>16,500 00</u>
High Schoolhouse	\$40,000 00
Furniture	3,500 00
Philosophical apparatus	500 00
	<u>44,000 00</u>
Prescott Schoolhouse, land (21,444 feet) and building	\$40,000 00
Furniture	2,000 00
	<u>42,000 00</u>
Luther V. Bell Schoolhouse, land (23,- 396 feet) and building	\$40,000 00
Furniture	3,000 00
	<u>43,000 00</u>
<i>Amount carried forward.</i>	<u>\$279,909 31</u>

<i>Amount brought forward</i>	.	.	.	\$279,909 31
Forster Schoolhouse, land (27,499 feet)				
and building	.	.	.	\$37,922 24
Furniture	.	.	.	1,500 00
				<hr/>
				39,422 24
Morse Schoolhouse, land (29,109 feet)				
and building	.	.	.	\$25,000 00
Furniture	.	.	.	1,000 00
				<hr/>
				26,000 00
Highland Schoolhouse, land (23,260 feet) and building	.	.	.	\$32,000 00
Furniture	.	.	.	1,000 00
				<hr/>
				33,000 00
Lincoln Schoolhouse, land (17,662 feet) and building (unfinished)	.	.	.	3,033 13
Prospect-hill Schoolhouse, land (25,313 feet) and building	.	.	.	\$20,000 00
Furniture	.	.	.	600 00
				<hr/>
				20,600 00
Jackson Schoolhouse, land (11,212 feet) and building	.	.	.	\$8,000 00
Furniture	.	.	.	300 00
				<hr/>
				8,300 00
Bennett Schoolhouse, land (20,560 feet) and building	.	.	.	\$8,000 00
Furniture	.	.	.	300 00
				<hr/>
				8,300 00
Webster Schoolhouse, land (11,050 feet) and building	.	.	.	\$8,000 00
Furniture	.	.	.	300 00
				<hr/>
				8,300 00
Union Schoolhouse, land (9,360 feet) and building	.	.	.	\$2,500 00
Furniture	.	.	.	100 00
				<hr/>
				2,600 00
Harvard School, land (9,810 feet) and building	.	.	.	\$2,500 00
Furniture	.	.	.	100 00
				<hr/>
				2,600 00
<i>Amount carried forward.</i>	.	.	.	\$432,064 68

<i>Amount brought forward</i>	.	.	.	\$432,064 68
Edgerly Schoolhouse, land (26,428 feet) and building	.	.	.	\$25,000 00
Furniture	.	.	.	500 00
				<hr/>
				25,500 00
Edgerly Schoolhouse, addition	.	.	.	\$17,000 00
Furniture	.	.	.	600 00
				<hr/>
				17,600 00
Brastow Schoolhouse, land (10,019 feet) and building	.	.	.	\$6,000 00
Furniture	.	.	.	250 00
				<hr/>
				6,250 00
Franklin Schoolhouse, land (33,017 feet) and building	.	.	.	\$14,000 00
Furniture	.	.	.	300 00
				<hr/>
				14,300 00
Beach-street Schoolhouse, land (6,000 feet) and building	.	.	.	\$4,500 00
Furniture	.	.	.	250 00
				<hr/>
				4,750 00
Spring-hill Schoolhouse, land (4,991 feet) and building	.	.	.	\$1,600 00
Furniture	.	.	.	100 00
				<hr/>
				1,700 00
Davis Schoolhouse, Tufts Street, land (29,584 feet) and building (unfinished)	.	.	.	\$13,771 29
Furniture	.	.	.	455 60
				<hr/>
				14,226 89
Cummings Schoolhouse, School Street, land (11,300 feet) and building (unfinished)	.	.	.	\$12,239 55
Furniture	.	.	.	371 57
				<hr/>
				12,611 12
City farm, land (10 acres, 12,523 feet)	.	.	.	30,000 00
Cedar-street Schoolhouse	.	.	.	\$700 00
Furniture	.	.	.	100 00
				<hr/>
				800 00
				<hr/>
<i>Amount carried forward.</i>	.	.	.	\$559,802 69

<i>Amount brought forward</i>	.	.	.	\$559,802 69
City stables and dwelling-houses.	.	.	.	7,000 00
Equipments for highway repairs . . . . .	.	.	.	3,000 00
Watering-carts and sheds . . . . .	.	.	.	2,300 00
No. 1 Hose-house, land (4,312 feet) and building				\$2,300 00
Furniture				400 00
John E. Wool hose-carriage and apparatus				2,000 00
				<hr/> 4,700 00
No. 2 Hose-house, land (5,400 feet) and building				\$7,500 00
Furniture				300 00
Winter-Hill hose-carriage and apparatus				2,000 00
				<hr/> 9,800 00
No. 3 Hose-house, land (5,226 feet) and building				\$9,000 00
Furniture				300 00
George H. Foster hose-carriage and apparatus				2,000 00
R. A. Vinal hook-and-ladder truck and apparatus				3,400 00
Prescott hook-and-ladder truck and apparatus				100 00
				<hr/> 14,800 00
No. 4 Hose-house, land (9,100 feet) and building				\$11,000 00
Furniture				400 00
George O. Brastow hose-carriage and apparatus				2,000 00
Relief hose-carriage				600 00
				<hr/> 14,000 00
Fire-alarm telegraph				15,800 00
Police-station, land (15,232 feet) and building (Bow Street)				\$40,000 00
Furniture				3,000 00
				<hr/> 43,000 00
<i>Amount carried forward.</i>	.	.	.	\$674,202 69

<i>Amount brought forward</i>	\$674,202 69
Prospect Street, land (7,918 feet) and building	7,000 00
Public park (cost \$212,993.20)	125,000 00
Joy Street, land (2,960 feet)	500 00
Walnut Hill, land (10,890 feet)	1,000 00
Elm Street, land (18,000 feet)	3,600 00
Ledge-land on Bond Street (39,732 feet)	2,500 00
Holland Street (5 acres, 6,806 feet)	12,000 00
Somerville Avenue (39,456 feet)	5,000 00
Gravel-land in Waltham (about 35 acres)	15,000 00
Gravel-land in Wakefield (about $1\frac{1}{3}$ acres)	5,000 00
Gravel-land in Winchester (about 2 acres)	500 00
Somerville Water-works (cost \$342,608.76)	341,000 00
Oliver Street, land (63,069 feet)	7,500 00
Whipple Street, land, lots Nos. 30 and 31 (15,240 feet),	388 27
	<hr/>
Total value of public property	\$1,200,190 96

TABLE B.
FUNDED DEBT, DEC. 31, 1883.

Date.	Loan.	Number of Bonds.	Rate per cent of Interest.	When due.	Denomination.	Amount.
1878.				1885.		
Jan. 1, 1876.	City,	337,	5	Jan. 1,	\$5,000	\$5,000
April 1, 1879.	"	188,	5½	April 1,	4,500	4,500
April 1, 1880.	"	342,	5	" "	6,000	6,000
Oct. 1, 1881.	"	350,	"	" "	6,000	6,000
Oct. 1, 1882.	"	413,	"	" "	6,000	6,000
Oct. 2, 1883.	"	462,	"	" "	7,000	7,000
Oct. 1, 1884.	"	465,	"	" "	6,500	6,500
Oct. 1, 1875.	"	853,	"	" "	12,500	12,500
July 1, 1876.	Water, City,	19 to 22,	6	July 1,	5,000	20,000
" "	"	157,	"	" "	4,000	4,000
" "	"	158,	"	" "	3,000	3,000
" "	"	159,	"	" "	5,000	5,000
" "	"	160 to 162,	"	" "	5,000	15,000
" "	"	163 to 174,	"	" "	5,000	60,000
1876.	"			1886.		
April 1, 1877.	"	175 to 182,	5½	April 1,	5,000	40,000
" "	"	183 to 185,	"	" "	5,000	15,000
" "	"	186,	"	" "	5,000	5,000
" "	"	187,	"	" "	1,000	1,000
" "	Water,	23 to 27,	"	" "	10,000	50,000
" "	"	28,	"	" "	5,500	5,500
1882.				1887.		
July 1, 1880.	City,	423 to 437,	5	July 1,	1,000	15,000
" "	"	438,	"	" "	500	500
Oct. 1, 1881.	Water,	37 to 45,	"	Oct. 1,	1,000	9,000
April 1, 1882.	City,	373 to 412,	"	" "	1,000	40,000
Oct. 1, 1882.	"	416,	"	" "	500	500
" "	"	417 to 422,	"	" "	1,000	6,000
July 1, 1884.	"	439 to 461,	"	1888.		
Oct. 1, 1881.	"	467 to 507,	4	July 1,	1,000	23,000
Jan. 1, 1880.	Water,	57 to 65,	5	Oct. 1,	1,000	41,000
Oct. 1, 1884.	"	46 to 54,	"	1889.		
Oct. 1, 1884.	City,	508 to 575,	4	Jan. 1,	1,000	9,000
				Oct. 1,	1,000	9,000
				" "	1,000	68,000
	<i>Amount</i>	<i>carried forward.....</i>				\$498,000

TABLE B — *Continued.*

Date.	Loan.	Number of Bonds.	Rate per cent of Interest.	When due.	Denomination.	Amount.
1880.	<i>Amount</i>	<i>brought forward</i>				\$498,000
Oct. 1, 1884.	Water,	55,	5	1890. Oct. 1,	\$9,000	9,000
Oct. 1,	City,	576 to 646,	4	" "	1,000	71,000
" "	"	647 to 720,	4	1891. Oct. 1,	1,000	74,000
1881.	Water,	66 to 76,	5	1892. Jan. 1,	1,000	11,000
Oct. 1,	"	78 to 88,	"	Oct. 1,	1,000	11,000
1884.	"	721 to 798,	4	" "	1,000	78,000
Oct. 1,	"	89 to 99,	5	1893. Oct. 1,	1,000	11,000
1884.	"	799 to 852,	4	" "	1,000	54,000
Oct. 1,	"	100 to 111,	5	1894. Oct. 1,	1,000	12,000
1881.	City,	335,	"	1895. Jan. 1,	37,000	37,000
Oct. 1,	"	336,	"	" "	1,000	1,000
" "	"	338,	"	" "	2,000	2,000
1879.	Water,	34,	"	" "	25,000	25,000
Oct. 1,	City,	339,	"	" "	12,000	12,000
" "	"	340,	"	" "	1,500	1,500
" "	"	341,	"	" "	1,500	1,500
1880.	"	346,	"	" "	2,000	2,000
Oct. 1,	"	347,	"	" "	1,000	1,000
" "	"	348,	"	" "	5,500	5,500
1876.	"	189,	5½	April 1,	35,500	35,500
Oct. 1,	"	190 to 194,	5	" "	5,000	25,000
" "	"	195 to 334,	"	" "	1,000	140,000
1879,	"	343,	"	" "	4,000	4,000
April 1,	"	344,	"	" "	8,000	8,000
Oct. 1,	"	345,	"	" "	25,000	25,000
1880.	"	351,	"	" "	1,000	1,000
Oct. 1,	"	352,	"	" "	42,500	42,500
1881.	"	414,	"	" "	45,000	45,000
Oct. 1,	"	415,	"	" "	1,000	1,000
1882.	"	463,	"	" "	45,000	45,000
Oct. 2,	"	464,	"	" "	2,000	2,000
" "	"					
1883.	"	466,	"	" "	50,000	50,000
Oct. 1,	"					
	<i>Amount</i>	<i>carried forward</i>				\$1,341,500

TABLE B — *Concluded.*

Date.	Loan.	Number of Bonds.	Rate per cent of Interest.	When due.	Denomination.	Amount.
	<i>Amount</i>	<i>brought forward</i>	<i>.....</i>	<i>.....</i>	<i>.....</i>	\$1,341,500
1884. Oct. 1,	City,	854,	5	April 1,	\$52,000	52,000
" "	"	855,	"	" "	3,000	3,000
1883. July 1,	Water,	112 to 124,	"	July 1,	1,000	13,000
1876. July 1,	Sewer,	1 to 7,	"	1896. July 1,	5,000	35,000
1882. July 1,	Water,	125 to 136,	"	" "	1,000	12,000
" "	"	137,	"	" "	500	500
" "	"	138 to 151,	"	1897. July 1,	1,000	14,000
" "	"	152 to 166,	"	1898. July 1,	1,000	15,000
" "	"	167 to 181,	"	1899. July 1,	1,000	15,000
" "	"	182,	"	" "	500	500
" "	"	183 to 194,	"	1900. July 1,	1,000	12,000
" "	"	195,	"	" "	500	500
1884. Oct. 1,	"	200 to 202,	4	Oct. 1,	1,000	3,000
" "	"	203 to 212,	"	1901. Oct. 1,	1,000	10,000
1877. Oct. 1,	"	33,	5	1904. Oct. 1,	5,000	5,000
1879. Jan. 1,	"	35,	"	1905. Jan. 1,	5,000	5,000
1876. April 1,	"	29,	5½	April 1,	4,500	4,500
1880. Oct. 1.	"	56,	5	" "	5,500	5,500
1881. Oct. 1.	"	77,	"	" "	6,000	6,000
1882. Oct. 2,	"	196,	"	" "	6,500	6,500
" "	"	197,	"	" "	1,000	1,000
1883. Oct. 1,	"	198,	"	" "	6,500	6,500
" "	"	199,	"	" "	1,000	1,000
1884. Oct. 1,	"	213,	"	" "	7,000	7,000
1876. July 1,	"	30 and 31,	5½	1906. July 1,	5,000	10,000
		<i>Total Funded Debt</i>	<i>.....</i>	<i>.....</i>	<i>.....</i>	\$1,585,000

TABLE C.

STATEMENT OF ACCOUNTS SHOWING APPROPRIATIONS,
EXPENDITURES, ETC., TO DEC. 31, 1884.

APPROPRIATIONS.

	CREDIT.	
Taxes, amount assessed for current expenses	\$371,825 00	
Property and debt balance	473,500 00	
		<u>\$845,325 00</u>
	DEBIT.	
Broadway-park maintenance	\$1,500 00	
Central-hill improvement	1,000 00	
Fire-Department	22,000 00	
Health-Department	3,500 00	
Highways	32,000 00	
Indigent soldiers and sailors	500 00	
Interest	68,000 00	
Miscellaneous	3,000 00	
New ladder-attachment for fire-appa- ratus	600 00	
Police	22,500 00	
Police-station incidentals	1,800 00	
Public Library	1,500 00	
Printing and stationery	3,000 00	
Renewals of funded debt	473,500 00	
Salaries	18,900 00	
School contingent	9,000 00	
School-fuel	5,000 00	
Schoolhouse incidentals	8,000 00	
School-teachers' salaries	72,000 00	
Sewers	10,000 00	
Sidewalks	3,000 00	
Sinking-fund contributions	45,525 00	
Street-lights	7,500 00	
Support of poor	15,000 00	
Watering streets	3,000 00	
Water maintenance	14,000 00	
		<u>\$845,325 00</u>

CASH.

	CREDIT.
Broadway-park maintenance	\$1,295 82
County of Middlesex	12,097 00
Central-hill improvement	1,691 46
Fire-Department	22,091 27
Funded debt	473,500 00
Health-Department	3,610 55
Highways	38,103 72
Indigent soldiers and sailors	968 00
Interest	75,346 37
Lincoln Schoolhouse	1,018 55
Miscellaneous	5,836 24
New ladder-attachment for fire-apparatus	600 00
Police	24,572 16
Police-station incidentals	2,167 20
Printing and stationery	3,473 95
Public Library	3,120 30
Public-library building	12,909 31
Salaries	19,028 55
School contingent	17,896 89
School-fuel	4,623 39
Schoolhouse incidentals	11,240 52
School-teachers' salaries	72,712 77
Schoolhouse on Tufts Street	9,226 89
Schoolhouse on School Street	12,611 12
Sewers	25,265 23
Sidewalks	2,925 54
Sinking-fund contributions	45,525 00
Street-lights	7,288 26
Support of poor	17,262 76
State of Massachusetts	26,300 00
State aid	3,739 00
Sundry persons	1,568 00
Temporary loans	485,000 00
Watering streets	6,787 18
Water maintenance	15,448 25
Water services	3,843 08
<i>Amount carried forward</i>	<i>\$1,470,694 33</i>

<i>Amount brought forward</i>	\$1,470,694 33
Water-loan interest	17,025 00
Balance to debit in account, 1885	13,071 33
	\$1,500,790 66

DEBIT.

Balance from 1883	\$14,465 87
Broadway-park maintenance	30 13
Central-hill improvement	1,150 21
Funded debt	473,500 00
Fire-Department	103 75
Health-Department	571 67
Highways	6,209 70
Highway betterment assessments	314 68
Interest	21,973 07
Miscellaneous	1,658 42
Overlay and abatement	6 00
Police	2,098 75
Police-station incidentals	669 50
Printing and stationery	7 20
Public Library	1,556 85
Public property	5,563 18
School contingent	217 50
Schoolhouse incidentals	941 34
Sewers	364 21
Sewer assessments	10,275 55
Sidewalk assessments	3,664 58
Street-lights	666 06
Support of poor	1,505 07
State aid	12 00
State of Massachusetts, State aid	3,807 50
State of Massachusetts, indigent sol- diers and sailors	430 50
Real-estate liens	3,745 05
Taxes	390,619 45
Temporary loans	525,000 00
Water maintenance	1,236 80
Water services	403 52
Water-service assessments	4,146 30
Water-loan interest	20,085 95
Watering streets	3,790 30
	\$1,500,790 66

BROADWAY-PARK MAINTENANCE.

CREDIT.

Appropriations, amount assessed	\$1,500 00
Cash, received for hay	30 13
	<hr/>
	\$1,530 13

DEBIT.

Cash, paid Timothy Murphy, trees	\$84 00
Philip Johnson, plants	40 00
Parker & Wood, repairing mower	2 25
Joseph Breck & Son, repairing mower, etc.	16 76
Underhill Brothers, repairing mower	75
F. W. Johnson, repairing lamps, etc.	7 15
Samuel Walker & Co., oil	5 05
Charles Holmes & Son, oil-can	25
Highways account, labor, teaming, etc. 1,124 46	
William Hamilton, labor	5 00
Dennis Foley, watching	8 25
E. R. Perham & Co., expressing	1 90
	<hr/>
	\$1,295 82
Excess and deficiency, balance to credit of account	234 31
	<hr/>
	<u>\$1,530 13</u>

CENTRAL-HILL IMPROVEMENT.

CREDIT.

Appropriations, amount assessed	\$1,000 00
Cash, received of	
Public-library building account, grad- ing, bricks, etc.	\$616 77
Schoolhouse on School Street, account, filling-material, etc.	315 32
Schoolhouse on Tufts Street, filling-ma- terial, etc.	218 12
	<hr/>
	1,150 21
	<hr/>
<i>Amount carried forward</i>	\$2,150 21

Amount brought forward \$2,150 21

DEBIT.

Cash, paid John F. Ayer, lumber	\$20 54
N. E. Fitz & Co., lime, cement, etc.	13 25
Joseph Breck & Son, grass-seed	3 72
Timothy Murphy, trees and labor	59 00
John Thresher & Co., bricks	26 00
Thomas Wood, mason-work	33 87
Sloop "L. A. Merriam," and owners, transporting cannon	150 00
Lincoln's Wharf, wharfage	5 00
P. O'Riorden, teaming cannon	36 00
Highways account, labor, teaming, etc.	460 64
Laborers	883 44

\$1,691 46

Excess and deficiency, balance to credit of account	458 75
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\$2,150 21

COUNTY OF MIDDLESEX.

CREDIT.

Taxes, amount assessed for county tax	\$12,097 00
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DEBIT.

Cash, paid county tax	\$12,097 00
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EXCESS AND DEFICIENCY.

CREDIT.

Balance from 1883	\$45,772 18
Property and debt balance, received for land taken from Forster Schoolhouse for extension of Evergreen Avenue . \$2,077 76	
Property and debt balance. Williamsburg City Fire-insurance Company, loss by fire of Lincoln Schoolhouse . 3,485 42	
Hanover Fire-insurance Company, loss by fire of Lincoln Schoolhouse . . 3,000 00	
<i>Amounts carried forward</i>	\$8,563 18

\$45,772 18

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 61

<i>Amounts brought forward</i>	\$8,563 18	\$45,772 18
Central-hill improvement, credit balance of account	458 75	
Broadway-park maintenance, credit balance of account	234 31	
Fire-Department, credit balance of account,	12 48	
Health-Department, " " " "	61 12	
Highways, " " " "	846 09	
Indigent soldiers and sailors, credit balance of account	16 00	
Interest, credit balance of account	3,858 88	
Miscellaneous, credit balance of account	40 73	
Police, " " " "	26 59	
Police-station incidentals, credit balance of account	302 30	
Printing and stationery, credit balance of acct.	133 25	
School-fuel, credit balance of account	76 61	
Schoolhouse incidentals, credit balance of account	100 82	
Sewers, credit balance of account	156 52	
Sidewalks, " " " "	115 93	
Street-lights, credit balance of account	477 80	
Watering streets, credit balance of account	3 12	
Water maintenance, " " " "	292 30	
Water-loan interest " " " "	3,060 95	
	<hr/>	18,837 73
		<hr/>
		\$64,609 91

DEBIT.

Schoolhouse on Tufts Street, transferred	\$12,000 00	
" " School " "	13,900 00	
Public-library building, " "	15,000 00	
Schoolhouse incidentals, " "	1,000 00	
School contingent, " "	3,000 00	
Highways, " "	2,077 76	
Lincoln Schoolhouse, " "	3,485 42	
Property and debt balance, land on Whipple Street	388 27	
	<hr/>	\$50,851 45
Balance to credit in account 1885	13,758 46	
	<hr/>	<hr/>
		\$64,609 91

FIRE-DEPARTMENT.

CREDIT.

Appropriations, amount assessed		\$22,000 00
Cash, received of Mowry & Phillips, old cop- per, etc.	\$36 75	
Lorenzo W. Dow, manure	52 00	
Horace Record, part cost of fence	15 00	

 103 75

 \$22,103 75

DEBIT.

Cash, paid James R. Hopkins, chief engi- neer	\$1,100 00	
Nathaniel C. Barker, assistant engineer,	300 00	
Steamer Engine Company	825 58	
John E. Wool Hose Company	738 51	
Winter-hill Hose Company	738 50	
George H. Foster Hose Company	730 58	
George O. Brastow Hose Company	655 58	
R. A. Vinal Hook and Ladder Com- pany	1,300 58	
Steamer engineer	950 00	
Steamer fireman	780 00	
Seven drivers	5,455 81	
Irving C. Jackson, substitute driver, etc.	72 79	
A. L. Walker, substitute driver, etc.	40 88	
Theophilus Cunningham, substitute driver, etc.	64 76	
Thomas Daley, substitute driver, etc.	15 17	
W. H. Whitcomb, " " "	42 26	
City of Boston, water for hydrants	1,428 00	
" " " water-rates	110 00	
George McDormand, horseshoeing	32 76	
Edward O'Brien, "	42 28	
Charles Maguire, "	48 90	
W. H. Richardson, "	7 40	
Gerry & Sullivan, "	30 96	
J. W. Gerry, "	10 14	

 Amounts carried forward \$15,521 44

 \$22,103 75

<i>Amounts brought forward</i>	\$15,521 44	\$22,103 75
Seward Dodge, blacksmithing and shoeing	90 35	
W. C. Bradstreet, blacksmithing and shoeing	3 50	
G. M. Bowditch, blacksmithing	3 17	
Burnett & Brown, "	6 72	
Cook, Rymes, & Co., "	2 50	
E. Teel & Co., repairing apparatus	108 60	
Kendall & Roberts, " "	5 70	
David W. Crocker, " "	25 85	
Union-square Carriage Company, repairing apparatus	27 00	
Fox & McDormand, repairing ladder	9 50	
F. Ivers & Son, repairing harnesses	4 75	
E. Spalding, " "	31 73	
G. M. J. Wilson, " "	25	
American Fire-Hose Manufacturing Company, repairing hose	94 30	
Edwin Rogers, fire-alarm apparatus	223 21	
Smith & Anthony Stove Company, furnace, etc.	244 00	
Boston Woven Hose Company, play-pipe	80 13	
Serson Kauffer Battery Company, battery	317 25	
Union Glass Company, battery-jars	5 25	
Crosby Steam Gage and Valve Company, valve	11 50	
Abiel Pevey, zincs and coppers, etc.	60 97	
John Pope & Sons, stencils	2 00	
George F. Blake Manufacturing Company, rubber packing	1 80	
American Tube Works, sliding-pole	20 13	
A. S. Jackson, waste	10 50	
Bishop & Brother, ladders	94 00	
Braman, Dow, & Co., pipe, etc.	1 10	
American Steam-Gauge Company, nozzle	15 38	
<i>Amounts carried forward</i>	\$17,022 58	\$22,103 75

<i>Amounts brought forward</i>	\$17,022 58	\$22,103 75
C. Callahan, nozzle	15 00	
Joseph A. Teeling, gilding vanes, etc.	60 00	
McDowell & Hartz, whips	10 75	
Silsby Manufacturing Company, spurr wheel	98 40	
Scrannage Brothers & Co., repairing ex- tinguishers	1 75	
John L. Crafts, canvas, etc.	17 11	
Fred. J. Miller, fire-hat	5 25	
Summers & Hunt, hub-cap	3 50	
Highland Foundry Company, repairing furnace	4 40	
Murphy, Leavens, & Co., feather dust- ers	22 30	
R. Warren & Co., brooms, pails, etc.	7 75	
Leander Barber, jun., brooms	3 75	
H. W. Raymond, hardware	30 19	
J. A. Durell, "	36 94	
Charles Holmes & Son, hardware	10 70	
W. L. Snow, "	7 88	
Howe & Flint, "	6 36	
George Dunbar & Co., "	1 75	
George G. Page Box Company, boxes,	1 75	
Joel Barnard, spring-beds	8 00	
J. E. Parsons, plumbing, etc.	20 58	
James F. Davlin, " "	27 36	
A. Knowles " "	17 16	
Underhill Brothers, sharpening tools .	.60	
George E. Bruorton, fire-extinguisher, etc.	77 25	
D. E. Owen & Co., patent hitch	16 00	
A. S. Jackson, belts	28 00	
A. Fisher, painting, etc.	337 30	
J. Q. Twombly, painting, etc.	2 50	
J. C. Dyer, " "	35 50	
W. S. Walker, " "	38 04	
Munn & Hughes. " "	49 85	
<i>Amounts carried forward</i>	\$18,026 25	\$22,103 75

<i>Amounts brought forward</i>	\$18,026 25	\$22,103 75
J. H. Hollis, painting, etc.	6 50	
J. F. Walker, carpenter-work	52 93	
Elijah Walker, "	13 13	
Page & Littlefield, "	54 77	
S. T. Kirkpatrick, "	179 80	
George W. Trefren, jun., carpenter-work	37 60	
A. Headley, carpenter-work	75 71	
A. W. Berry, "	7 10	
Berry & Slager, "	17 00	
Schoolhouse incidentals account, carpenter-work	9 00	
A. C. Winning, mason-work	75 86	
R. A. Hines & Son, "	12 21	
James M. Burckes, "	158 87	
Edward Earley, slating	17 80	
J. Leland, wheelwright-work	6 45	
S. J. Wood, repairing gong, etc.	1 25	
Patrick Martin, whitewashing	7 00	
L. W. Manning, repairing fire-alarm telegraph	3 00	
Gilman D. Haynes, labor	8 00	
George L. Blackbird, "	4 00	
Edward Backus, "	20 00	
Dennis Ryan, "	53 85	
O. J. Davis, telegraph-poles	93 92	
E. E. Rand, labor	2 00	
Daniel Horgan, labor	2 50	
Hill & Langtry, blankets	16 00	
W. H. Hutchinson, cotton	4 90	
W. M. Hadley, fuel	216 85	
Horatio Wellington & Co., fuel	271 93	
Lackawanna Coal Depot Company, fuel,	11 00	
Dean & Co., fuel	43 75	
N. Tufts & Son, grain	473 94	
Joseph H. Lovell, hay	117 64	
Lord & Webster, "	177 68	
<i>Amounts carried forward</i>	\$20,280 19	\$22,103 75

<i>Amounts brought forward</i>	\$20,280 19	\$22,103 75
J. F. Ham, hay	150 50	
A. H. Dix, "	44 93	
Hewey Skillings & Co., hay	40 01	
R. W. Willey & Co., "	158 91	
Proctor Brothers, straw	75 49	
J. P. Squire & Co., oil	26 05	
H. W. Burgess, "	3 14	
Charles Bartley, naphtha	3 78	
James Bartley, "	2 39	
T. Spellman, soap	20 00	
C. L. Davenport, salt	3 00	
C. L. Stevens, "	1 25	
D. E. Hennessey, "	1 25	
Thomas Hollis, blue vitriol, etc.	32 96	
Cutler Brothers & Co., blue vitriol, etc.	98 49	
George H. Cowdin, drugs	3 89	
Cambridge Gas-Light Company, gas	175 37	
Charlestown Gas Company, "	99 38	
Sturtevant Brothers, use of horse,	7 00	
A. M. Prescott, " "	22 50	
A. M. Bates, sleigh	30 00	
George F. Sturtevant, storage	5 00	
George C. Ward, "	10 00	
Coverly's Express, expressing . . . . .	.75	
W. J. London, "	2 20	
Day's Express, "	18 05	
William Sanderson, "	2 75	
Lewis Putnam, veterinary services	3 00	
E. D. Sawyer & Co., lumber	41 37	
Davis, Stebbins, & Co., hardware	1 37	
E. A. Perham & Co., expressing, etc.	19 82	
Aaron R. Gay & Co., stamps	10 00	
Winkley, Thorp, & Dresser, stationery	6 65	
J. O. Hayden & Co., printing, etc.	61 70	
S. S. Woodcock, plans	20 00	
J. H. Clough, "	10 00	
Dexter F. Bennett, premium of insurance	51 50	
<i>Amounts carried forward</i>	\$21,544 64	\$22,103 75

<i>Amounts brought forward</i>	\$21,544 64	\$22,103 75
J. O. Goodwin, premium of insurance	4 00	
Timothy Murphy, trees	24 00	
Charles E. Shaw, labor on telegraph	6 00	
S. B. Manning, engraving and repairing badges	6 25	
S. B. Manning, substitute driver	34 60	
Harry B. Willey, " "	15 10	
Sundry call-men, extra services	66 00	
Winter-hill Hose Company, furniture	49 00	
E. W. Ring, washing	21 48	
T. H. Daly, "	20 99	
S. H. Stevens, "	24 76	
Mrs. Calvert, "	37 01	
" L. E. Beers, washing	7 00	
" Mary A. Brown, "	25 38	
H. D. & W. S. Durgin, ice	30 00	
Boston Ice Company, "	5 00	
T. W. Hough Engine Company, refresh- ments	10 00	
Highland Hose Company, refreshments,	10 00	
William Penn Hose Co., refreshments	10 00	
Daniel Webster Engine Company, re- freshments	10 00	
Niagara Engine Company, refreshments,	10 00	
Medford Hose Company, "	20 00	
Engine Company No. 1, Cambridge, refreshments	20 00	
Engine Company No. 2, Cambridge, refreshments	10 00	
Engine Company No. 5, Cambridge, refreshments	20 00	
H. Daley, refreshments	11 07	
Silas D. Carter, refreshments	26 00	
A. F. Carpenter, "	11 44	
E. F. Chaffee, drugs	1 55	
	<hr/>	
	\$22,091 27	
Excess and deficiency, balance to credit of account	12 48	
	<hr/>	
		<u>\$22,103 75</u>

FUNDED DEBT.

	CREDIT.	
Balance from 1883		\$1,585,000 00
Cash, received for sale of		
City-loan Bonds, Nos. 467 to 507,	\$41,000 00	
" " " 508 to 575,	68,000 00	
" " " 576 to 646,	71,000 00	
" " " 647 to 720,	74,000 00	
" " " 721 to 798,	78,000 00	
" " " 799 to 852,	54,000 00	
" " No. 853	12,500 00	
" " " 854	52,000 00	
" " " 855	3,000 00	
Water-loan Bonds, Nos. 200 to 202	3,000 00	
Water-loan Bonds, Nos. 203 to 212	10,000 00	
Water-loan Bond, No. 213	7,000 00	
	<hr/>	473,500 00
		<hr/>
		\$2,058,500 00
	DEBIT.	
Cash, paid		
City-loan Bond, No. 49	\$10,000 00	
" " Nos. 52 to 54,	15,000 00	
" " No. 55	2,000 00	
" " Nos. 57 and 60,	20,000 00	
" " No. 7	20,000 00	
" " " 66	2,000 00	
" " " 67	5,000 00	
" " Nos. 72 to 79,	40,000 00	
" " No. 13	6,000 00	
" " Nos. 14 to 17,	20,000 00	
" " " 80 to 86,	35,000 00	
" " " 87 to 96,	50,000 00	
" " No. 98	5,000 00	
" " " 99	2,500 00	
" " " 100	1,000 00	
" " Nos. 101 to 103,	9,000 00	
	<hr/>	
<i>Amounts carried forward</i>	\$242,500 00	\$2,058,500 00

<i>Amounts brought forward . . .</i>	\$242,500 00	\$2,058,500 00
Cash, paid		
City-loan Bond, No. 104 . . .	1,000 00	
" " " 105 . . .	2,000 00	
" " Nos. 106 to 111, . . .	30,000 00	
" " No. 116 . . .	3,000 00	
" " Nos. 117 to 121, } . . .	125,000 00	
" " " 123 to 142, }		
" " " 147 to 156, . . .	50,000 00	
Water-loan Bonds, Nos. 16 to 18, . . .	15,000 00	
" " No. 32 . . .	5,000 00	
	<hr/>	
	\$473,500 00	
Balance to credit in account, 1885 . . .	1,585,000 00	
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		<u>\$2,058,500 00</u>

HEALTH DEPARTMENT.

CREDIT.

Appropriations, amount assessed		\$3,500 00
Cash, received of city of Boston for care of		
W. O'Brien	\$265 67	
George I. Vincent, permits to keep		
swine and goats, and collect grease	306 00	
	<hr/>	
		571 67
		<hr/>
		\$4,071 67

DEBIT.

Cash, paid W. H. Brine, inspector of board		
of health	\$500 00	
W. H. Brine, fumigating	165 00	
P. W. Skinner, "	168 00	
Highways account, collecting ashes	2,570 59	
J. J. Fenelon, peppermint tubes	11 00	
George H. Cowdin, " "	5 80	
George H. Hills & Co., sulphur	1 12	
Burt & Henshaw, "	5 88	
Sternburg Disinfectant Company, disin-		
fectant	42 05	
Buff & Berger, repairing air-meter	2 50	
	<hr/>	
<i>Amounts carried forward</i>	\$3,471 94	<u>\$4,071 67</u>

<i>Amounts brought forward</i>	\$3,471 94	\$4,071 67
Photo-electrotype Company, plate for maps	9 00	
J. O. Hayden & Co., printing, etc.	32 50	
Aaron R. Gay & Co., stationery	5 75	
E. S. Tobey, post-office box	4 00	
L. H. Brown, carriage-hire	20 00	
P. H. Wellcome, "	7 00	
E. R. Perham, expressing	50	
A. M. Prescott, teaming	6 50	
James Quinn, labor	2 25	
E. L. Howard, officer's fees	1 24	
J. S. Murphy, " "	1 12	
Sundry persons, burying dead animals	45 75	
Sewers account, draining water	3 00	
	<hr/>	
	\$3,610 55	
Schoolhouse incidentals, transferred	400 00	
Excess and deficiency, balance to credit of account	61 12	
	<hr/>	
		<u>\$4,071 67</u>

HIGHWAYS.

CREDIT.

Appropriations, amount assessed		\$32,000 00
Cash, received of Health-Department, col- lecting ashes	\$2,570 59	
Schoolhouse incidentals account, labor, teaming, etc.	39 52	
Broadway-park maintenance account, labor, teaming loam, etc.	1,124 46	
Central-hill improvement account, la- bor, teaming, etc.	460 64	
Sidewalks account, teaming stone, gravel, etc.	212 93	
Watering streets account, watering, etc.	125 83	
Arthur Murley, rent	64 00	
Thomas Ormand, rent	72 00	
Paul Kelly, labor on trench	1 00	
	<hr/>	
<i>Amounts carried forward</i>	\$4,670 97	\$32,000 00

<i>Amounts brought forward</i>	\$4,670 97	\$32,000 00
Town of Wakefield, gravel	115 20	
T. B. Blaikie, removing rubbish	5 00	
John E. Sylvester, loam	13 75	
Asa Durgin, old pipe	1 30	
George H. Willard, pasturage	60 00	
R. M. Baldwin, hay	13 13	
R. Lockwood, "	47 08	
Christopher Burke, <i>et al.</i> , hay	75 25	
James M. Carroll, jun., "	117 50	
William Campbell & Co., grate-bars	5 50	
Quincy A. Vinal, bricks	6 50	
Eliza S. Wright, constructing sidewalk	21 67	
Alexander Foster, " "	28 31	
E. A. Gillett, " "	37 67	
Almira Shaw, " "	27 00	
Mark Loughton, " "	121 66	
John L. Ambrose, " "	60 15	
R. H. Sturtevant, " "	157 32	
L. J. Sturtevant, " "	51 87	
Charles A. Cushman, " "	34 24	
Benjamin F. Thompson, constructing sidewalk	18 33	
M. C. Parkhurst, constructing sidewalk,	60 23	
Albert E. Hughes, " "	55 49	
N. Richardson, " "	23 95	
E. W. Cummings, " "	23 06	
John Medina, " "	94 69	
James W. Brine, " "	23 62	
W. H. Hunnewell, constructing driveway	10 79	
Howard B. Chase, constructing driveway	13 12	
Horatio Wellington & Co., constructing driveway	8 50	
William H. O'Shea, constructing driveway	10 08	
Charles Davis, constructing driveway	15 07	
<i>Amounts carried forward</i>	<u>\$6,028 00</u>	<u>\$32,000 00</u>

<i>Amounts brought forward</i>	\$6,028 00	\$32,000 00
Geo. H. Crosby, constructing driveway,	12 42	
T. C. Woodworth, " "	8 85	
Samuel Stevens, " "	3 00	
F. J. Baldwin, " "	2 69	
Milo Crane, " "	8 84	
Cooper Brothers, " "	30 71	
Dennis O'Neal, " "	20 23	
Cyrus F. Crosby, " "	17 35	
M. D. Wright, " "	11 77	
Thomas Young, " "	3 70	
R. A. Vinal and S. E. Sewall, construct- ing driveway	24 44	
Boston & Lowell Railroad, repairing approaches to bridge	37 70	
	<hr/>	
	\$6,209 70	
Excess and deficiency, transferred	2,077 76	
Sidewalks "	1,400 00	
	<hr/>	
		9,687 46
		<hr/>
		\$41,687 46

DEBIT.

Cash paid laborers	\$19,263 47	
Frank G. Williams, superintendent of streets	1,500 00	
Frank G. Williams, horse-keeping	417 17	
Nathan Tufts & Son, grain	552 56	
Proctor Brothers, "	495 38	
Powers & Co., "	249 34	
R. W. Willey & Co., hay and grain	730 52	
Peter Edgerly & Co., hay	259 47	
C. P. Ladd & Co., "	56 42	
J. E. Whitaker & Co., oats	230 01	
Edward O'Brien, horseshoeing	143 38	
Charles W. Ingalls "	130 50	
Gerry & Sullivan, "	87 98	
Walter C. Bradstreet, "	32 85	
George McDormand, "	24 45	
	<hr/>	
<i>Amounts carried forward</i>	\$24,173 50	\$41,687 46

<i>Amounts brought forward</i>	\$24,173 50	\$41,687 46
W. H. Richardson, horseshoeing	16 00	
Daniel W. Crocker, "	11 40	
A. Clement, "	10 51	
Charles Maguire, "	3 00	
George C. Foss, "	2 00	
Seward Dodge, blacksmithing	321 41	
F. Dooris, "	240 82	
George H. Dodd, "	25 74	
James McCresson, "	10 15	
J. Lynch, "	3 70	
John Kennedy, wheelwright-work	36 30	
J. Leland, "	5 25	
N. L. Pennock, harness-work	21 00	
E. Spalding, "	80 96	
Hill & Langtry, harness, etc.	87 39	
Robert Miller, horse-covers, etc.	8 90	
L. C. Chase & Co., " "	1 50	
J. G. Knapp & Co., " "	22 00	
William Mitchell, harnesses	65 00	
Mark Loughton, carpenter-work	93 86	
James Carroll, mason-work	22 50	
James F. Davlin, plumbing	60 96	
J. A. Durell, hardware, etc.	44 19	
W. L. Snow, " "	10 74	
H. W. Raymond, " "	121 30	
Howe & Flint, " "	2 60	
Charles Holmes & Son, hardware, etc.	1 12	
Underhill Brothers, tools	28 65	
Cook, Rymes, & Co., repairing tools, etc.	141 87	
J. E. Parsons, tin-work	1 31	
Hussey, Howe, & Co., tools, etc.	22 38	
Farrell Foundry and Machine Com- pany, castings.	130 32	
Chelmsford Foundry Co., castings	7 50	
S. L. Holt & Co., engine and boiler	804 79	
Boston Belting Company, hose	1 81	
George H. Goodrich & Co., drain-pipe,	63	
<i>Amounts carried forward</i>	\$26,643 06	\$41,687 46

<i>Amounts brought forward</i>	\$26,643 06	\$41,687 46
Elliot, Barnes, & Co., lacings	1 00	
George H. Mason & Co., lantern	5 40	
James Forgie, horse-collars	13 50	
Hill & Cutler, waste	4 50	
Bishop & Brother, ladder	5 20	
J. J. Giles, rocking-chair	2 50	
Sewers account, catch-basin curbs	5 73	
John Thresher & Co., bricks	233 10	
Sanborn & Hatch, "	84 00	
John Turner & Co., paving-stones, etc.	2,771 86	
Francis Buttimer, stone	9 60	
W. P. Walker, sand	10 80	
T. F. Crimmings, sand	1 50	
John F. Ayer, lumber	148 47	
N. E. Fitz & Co., lime	1 10	
Charles A. Small, oil, etc.	2 46	
Samuel Walker & Co., oil	35 02	
Joseph Jones & Co., "	5 20	
George B. Huse, empty oil-barrels	1 50	
Browning & Jones, paint	25 00	
R. H. Spaulding, lubricating compound,	10 15	
George H. Sampson, powder and fuse	295 83	
C. P. Ladd & Co., mineral salt	11 03	
Whitaker & Cheney, vinegar, etc.	4 05	
C. H. Wheeler & Co., suet	54	
Joseph Breck & Son, grass-seed	10 90	
A. S. Symmes, carts	180 00	
F. W. Johnson, painting	10 50	
J. Q. Twombly, "	10 50	
Horatio Wellington & Co., coal, cement, etc.	241 53	
W. M. Hadley, coal, etc.	110 35	
S. M. Fuller, " "	6 18	
S. J. Wood, filing saws, etc.	5 50	
F. O. Reed, and others, gravel	67 20	
Thomas Lord, filling	175 00	
Cheney & Myrick, drugs	68 73	
<i>Amounts carried forward</i>	\$31,218 49	\$41,687 46

<i>Amounts brought forward</i>	\$31,218 49	\$41,687 46
Ellis Spavin Cure Company, drugs	6 00	
James E. Abbott, veterinary services	45 50	
William Saunders, " "	3 00	
Aaron R. Gay & Co., stationery	36 50	
J. O. Hayden & Co., advertising and printing	67 10	
Charles B. Stevens, recording	2 50	
New-England Telephone and Telegraph Company, rentals, etc.	36 00	
Western Union Telegraph Company, telegrams	59	
W. C. Crane, premium of insurance	15 00	
City of Boston, water-rates	70 73	
Blackall's Express, expressing	7 30	
Gilman's Express, "	5 64	
Town of Medford, half cost of main- taining Middlesex-avenue bridge	501 69	
Town of Winchester, taxes	9 34	
" " Wakefield, "	27 97	
" " Waltham, "	134 30	
A. Ham & Co., horses	895 00	
Sturtevant Brothers, horses	525 00	
" " use of horses	3 00	
James Purcell, pigs	20 00	
Charles Booth, weighing hay	5 20	
John Welch, teaming, etc.	63 38	
Christopher Burke, teaming, etc.	24 75	
J. F. Elkins, " "	9 00	
Martin Gill, " "	9 00	
John Hickey, " "	31 50	
George F. McKenna, " "	18 90	
Henry Gray, ploughing	21 00	
William Hamilton, mowing	15 00	
John Young, "	8 00	
Schoolhouse incidentals account, labor, teaming, etc.	7 90	
Sewer assessment account, sewer on Bond Street	210 60	
<i>Amounts carried forward</i>	\$34,054 88	\$41,687 46

<i>Amounts brought forward</i>	\$34,054 88	\$41,687 46
Support of poor account, services of T. Garvin	92 25	
John W. Brooks, land taken for exten- sion of Evergreen Avenue	1,733 33	
Public property account, land taken from Forster Schoolhouse for exten- sion of Evergreen Avenue	2,077 76	
Stearns & Butler, costs (Columbus-ave- nue suits)	145 50	
	<hr/>	
	\$38,103 72	
Highway betterment assessments, as- sessments on Columbus Avenue abated by order of the Court	636 53	
Sundry persons, land taken of W. H. Mahoney for extension of Evergreen Avenue	983 12	
Margaret F. Burt, land taken for Sum- mit-avenue extension	1,118 00	
	<hr/>	
	\$40,841 37	
Excess and deficiency, balance to credit of account	846 09	
	<hr/>	
		<u>\$41,687 46</u>

HIGHWAY BETTERMENT ASSESSMENTS.

CREDIT.

Cash, received of sundry persons' assess- ments	\$314 68	
Highways, sundry persons' assessments abated	636 53	
	<hr/>	
		\$951 21

DEBIT.

Balance from 1883		<u>\$951 21</u>
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HANOVER FIRE-INSURANCE COMPANY.

CREDIT.

Balance to debit in account 1885 \$3,000 00

DEBIT.

Public property, insurance on Lincoln Schoolhouse . . . 3,000 00

INDIGENT SOLDIERS AND SAILORS.

CREDIT.

Appropriations, amount assessed \$500 00

State of Massachusetts (indigent soldiers and sail-
ors), one-half of amount paid in 1884 484 00

\$984 00

DEBIT.

Cash, paid sundry persons \$968 00

Excess and deficiency, balance to credit of
account 16 00

\$984 00

INTEREST.

CREDIT.

Appropriations, amount assessed \$68,000 00

Cash, received on deposits in banks . . . \$892 98

On taxes 6,042 36

On tax-titles released 176 77

Of State treasurer, National Bank tax . 4,546 56

Corporation tax 5,458 98

Foreign ships tax 1,144 77

Blake Brothers & Co., premium on
bonds 3,710 70

\$21,973 07

Real-estate liens, interest on titles to the city on prop-
erty deeded for non-payment of taxes 27 91

Public property, interest on taxes, property purchased
by the city under Chapter 242, Acts of 1884 57 67

Amount carried forward \$90,058 65

Amount brought forward \$90,058 65

DEBIT.

Cash, paid on funded debt : —

\$360,500, one year at $6\frac{1}{2}$ per cent,	\$23,432 50
113,000, " " " 6 "	6,780 00
20,000, six months at $5\frac{1}{2}$ "	550 00
101,000, one year at $5\frac{1}{2}$ "	5,555 00
608,500, " " " 5 "	30,425 00
	<hr/>
	\$66,742 50
Less coupons unpaid	375 00
	<hr/>
	\$66,367 50

Sundry persons, coupons unpaid as
above

375 00

\$66,742 50

Cash, paid on temporary loans : —

Warren Institution for Savings, on note of \$60,000, six months at 4 per cent,	1,200 00
Maverick National Bank, discount on note of \$75,000, dated March 29, 1884	20 00
Boston Five-cents Savings Bank, on note of \$25,000, six months at 4 per cent	500 00
Warren Institution for Savings, on note of \$50,000, eight months at 4 per cent	1,333 33
Warren Institution for Savings, on note of \$75,000, six months at $3\frac{1}{2}$ per cent,	1,334 38
Provident Institution for Savings, on note of \$75,000, six months at $3\frac{3}{4}$ per cent	1,429 69
Warren Institution for Savings, on note of \$25,000, four months at 5 per cent	416 67

Amounts carried forward \$6,234 07 \$90,058 65

<i>Amounts brought forward</i>	\$6,234 07	\$90,058 65
Warren Institution for Savings, on note of \$50,000, five months at 4½ per cent	937 50	
Cambridge Savings Bank, on note of \$50,000, five months at 5 per cent .	1,041 67	
Boston Five-cents Savings Bank, on note of \$25,000, three months at 4½ per cent	265 63	
Warren Institution for Savings, on note of \$50,000, three months at 4 per cent	500 00	
	<u>8,978 87</u>	
On funded debt	\$66,742 50	
On temporary loans	8,978 87	
	<u>75,721 37</u>	
School contingent transferred	5,679 39	
Schoolhouse incidentals transferred . . .	1,000 00	
School-teachers' salaries transferred . .	712 77	
Lincoln Schoolhouse transferred	500 00	
Miscellaneous transferred	1,100 00	
Printing and stationery transferred . . .	600 00	
Salaries transferred	128 55	
Support of poor transferred	757 69	
	<u>86,199 77</u>	
Excess and deficiency, balance to credit of account	3,858 88	
		<u>90,058 65</u>

LINCOLN SCHOOLHOUSE.

CREDIT.

Interest, transferred	\$500 00	
Excess and deficiency, transferred . . .	3,485 42	
<i>Amount carried forward</i>	<u>3,985 42</u>	\$3,985 42

Amount brought forward \$3,985 42

DEBIT.

Cash, paid C. F. Palmer, on account of contract for mason-work	\$972 25	
J. O. Hayden & Co., printing	1 00	
Water-service account, service-pipe	2 50	
W. A. Muzzey, removing rubbish	42 80	
	<u>\$1,018 55</u>	
Balance to credit in account 1885	2,966 87	\$3,985 42
		<u><u>\$3,985 42</u></u>

MISCELLANEOUS.

CREDIT.

Appropriations, amount assessed		\$3,000 00
Real-estate liens, costs on titles to the city on property deeded for non-payment of taxes and assessments	\$86 35	
Public property, costs on Whipple-street lots purchased by the city	32 20	
Cash, received costs on property sold and prepared for sale for non-payment of taxes and assessments	915 04	
On real-estate liens released	59 20	
Sundry persons, for liquor-licenses	12 00	
B. L. Howard, fee for answering trustee,	1 08	
Charles E. Gilman, City Clerk : —		
Marriage certificates	\$140 50	
Junk-licenses	78 00	
Auctioneers' licenses	14 00	
Pool and billiard tables licenses	14 00	
Licensing dogs	133 60	
Recording mortgages and assignments	279 00	
Recording liquor-licenses,	12 00	
	<u>671 10</u>	
		1,776 97
Interest, transferred		1,100 00
		<u>1,100 00</u>
<i>Amount carried forward</i>		\$5,876 97

Amount brought forward \$5,876 97

DEBIT.

Cash, paid J. O. Hayden & Co., printing and advertising	\$3 60
“Post” Publishing Company, advertising	5 50
“Journal” Newspaper Company, advertising	7 50
Aaron R. Gay & Co., stationery	47 80
Elijah Walker, carpenter-work	18 80
Fred. C. Fuller, “	27 75
J. F. Walker, “	53 55
A. Headley, “	9 00
Schoolhouse incidentals account, carpenter-work	75 67
James F. Davlin, plumbing	10 05
Howe & Flint, hardware, etc.	27 55
H. W. Raymond, “ “	24 33
W. S. Walker, painting	16 61
Thomas Wood, mason-work	8 00
Seward Dodge, blacksmithing	2 77
W. E. Buckingham, plastering	50 00
Sylvester & Co., spikes	41 00
Coolidge, Ellis, & Co., igniter	7 48
Domestic Electrical Manufacturing Company, repairing igniter	1 00
A. J. Wilkinson, door-spring	3 75
Ingalls & Kendricken, repairing heating-apparatus	14 45
Buff & Berger, repairing instruments	62 30
Wadsworth, Howland, & Co., engineers' supplies	64 55
Charles Pierce, repairing gas-fixtures	2 00
A. W. Mitchell, rubber stamp	50
Ward & Co., resonator	2 00
W. W. White & Co., mounting map	2 50
New-England Map and Brush Company, brushes	3 60

Amounts carried forward \$593 61 \$5,876 97

<i>Amounts brought forward</i> . . .	\$593 61	\$5,876 97
Murphy, Leavens, & Co., dusters . . .	8 43	
Jackson, Caldwell, & Co., rug . . .	4 50	
Robert Burlin, binding maps . . .	5 00	
Smith & Co., chairs	15 50	
J. J. Giles, bookcase	42 00	
G. M. Hopkins, atlases	48 00	
Page & Littlefield, boxes	24 00	
Union Glass Company, globes	6 00	
Walter S. Barnes, ballot-boxes	9 00	
N. C. Warren, hardware	60	
E. D. Sawyer & Co., lumber	48 72	
Thomas Hollis, glycerine, etc.	5 10	
J. H. Brooks, towels	3 86	
R. H. White & Co., towels	3 82	
James Bartley, oil, brooms, etc.	6 35	
Charles Bartley, " " "	9 91	
S. J. Wood, fitting keys, etc.	8 75	
C. M. Blake, newspapers	9 00	
H. M. Weld, carriage-hire	17 00	
Cambridge Gas-light Company, gas	306 70	
New-England Telephone and Telegraph Company, rentals, etc.	119 35	
Engineers' assistants, car-fares, etc.	18 17	
E. S. Tobey, rent of post-office box	4 00	
William J. London, expressing	12 05	
George G. Glines, "	40	
Barker & Tibbets, "	25	
A. L. Sanborn, "	18 00	
A. M. Prescott, "	12 00	
W. H. Whitcomb, labor at City Hall	76 25	
James McDevitt, " " "	10 50	
J. H. Kelley, " " "	1 00	
A. Leland, " " "	1 00	
L. M. Maynard, labor at cemetery	15 00	
G. W. Manning, labor on flag-staff	46 67	
W. M. Hadley, fuel	96 45	
Horatio Wellington & Co., fuel	139 87	
<i>Amounts carried forward</i>	\$1,746 81	\$5,876 97

<i>Amounts brought forward</i>	\$1,746 81	\$5,876 97
Edward Cox, rent of store	30 00	
A. Kenneson, " " "	27 50	
A. A. Perry, use of Welden Hall.	16 00	
Philip Eberle, use of hall	50 00	
John Stackpole, " "	15 00	
Jairus Mann, watching City Hall	47 50	
" " maintenance of team	300 00	
" " amount paid by him for refreshments, City Hall,	23 75	
" " for expenses steamer "Empire State"	59 40	
S. D. Carter, refreshments	30 00	
M. A. Mann, washing	20 50	
H. D. & W. S. Durgin, ice	50 00	
City of Boston, water-rates	52 75	
Commonwealth of Massachusetts, one-fourth of amount received for liquor-licenses	3 00	
Charles B. Stevens, recording	20 25	
Clerk of Court, fees	36 30	
Charles H. Davis, constable fees	9 00	
A. A. Perry, travelling expenses of committee on public property	6 60	
F. O. Reed, costs in Park betterment suits	938 90	
Charles A. Small, pound-keeper	25 00	
Noah Harding, sealer of weights and measures	100 00	
T. G. Poland, ringing bells	3 00	
E. P. Taylor, " "	3 00	
F. P. Ham, " "	3 00	
E. B. West, " "	3 00	
A. M. Sibley, " "	3 00	
Richard Greely, oil, fuel, etc.	4 00	
Henry Shaw, posting	12 65	
J. A. McLane, posting	21 50	
George Cullis, affidavit of posting	68 50	
<i>Amounts carried forward</i>	\$3,729 91	\$5,876 97

<i>Amounts brought forward</i>	\$3,729 91	\$5,876 97
George Cullis, return of births	126 25	
J. L. Hildrith, " " "	75	
J. B. Gould, " " "	2 50	
J. F. Couch, " " "	21 00	
R. L. Lane, " " "	3 75	
William A. Bell, " " "	4 00	
E. A. Sanborn, " " "	3 00	
J. W. Coveney, return of deaths	7 25	
E. H. Marsh, " " "	17 75	
C. H. Lockhart " " "	17 50	
W. A. Flaherty, " " "	25 75	
P. H. Rafferty & Co., return of deaths,	19 75	
Horace B. Runey, " " "	37 50	
J. F. Cummings, doorkeeper for as- sessors	11 00	
S. H. Libby, services as auctioneer	50 00	
J. M. Coburn, care of ward-room	27 50	
R. F. Thompson, care of ward-room	5 00	
L. A. Burns, " " "	3 00	
T. G. Dean, " " "	4 00	
Ward officers, " " "	251 00	
Charles E. Gilman, stamps, etc.	8 49	
" " " salary as registrar of voters	200 00	
J. Frank Wellington, salary as registrar of voters	200 00	
J. R. Conant, salary as registrar of voters	200 00	
John Viall, " " " " "	200 00	
George A. Pratt, clerical services	36 00	
H. L. Furber, " "	68 84	
M. E. Herron, " "	4 08	
C. I. Hale, " "	64 17	
C. B. Howard, " "	5 83	
J. E. Whitaker & Co., poultry for Thanksgiving distribution	15 54	
N. H. Reed, poultry for Thanksgiving distribution	57 00	
<i>Amounts carried forward</i>	\$5,428 11	\$5,876 97

<i>Amounts brought forward</i>	\$5,428 11	\$5,876 97
Sturtevant Brothers, poultry for Thanksgiving distribution	75 81	
C. L. Stevens, poultry for Thanksgiving distribution	13 57	
T. Green & Co., poultry for Thanksgiving distribution	2 50	
Allen's Shawmut Band, services Memorial Day	85 00	
S. H. O. Hadley, music	15 00	
L. H. Brown, hacks and barges	52 00	
Joseph Young, flowers	42 05	
M. D. Jones, "	15 00	
J. O. Hayden & Co., printing	8 00	
Walter Winward, flags	3 00	
Woman's Relief Corps, refreshments	74 40	
Janitor Flint-street Church, services	5 00	
A. E. Mann, labor at City Hall	16 80	
	<hr/>	
	\$5,836 24	
Excess and deficiency, balance to credit of account	40 73	
	<hr/>	<u>\$5,876 97</u>

NEW LADDER ATTACHMENT FOR FIRE-APPARATUS.

CREDIT.

Appropriations, amount assessed	\$600 00
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DEBIT.

Cash, paid G. M. Bowditch, combination hose-carriage,	<u>\$600 00</u>
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OVERLAY AND ABATEMENT.

CREDIT.

Balance from 1883	\$2,302 45
Taxes, amount added to the amount of taxes assessed, as fractional divisions, for convenience in the apportionment to be applied to abatement on taxes	8,528 26
Cash, received of sundry persons' taxes	6 00
	<hr/>
<i>Amount carried forward</i>	\$10,836 71

Amount brought forward \$10,836 71

DEBIT.

Taxes, for abatements on taxes	\$4,791 34	
Balance to credit in account, 1885	6,045 37	
		<u>\$10,836 71</u>

OVERPLUS ON TAX-SALES.

CREDIT.

Balance from 1883	\$102 13
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DEBIT.

Balance to credit in account, 1885	<u>\$102 13</u>
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PROPERTY AND DEBT BALANCE.

CREDIT.

Renewals of funded debt	\$473,500 00	
Public property, acquired during the year 1884	36,154 14	
Balance to debit in account, 1885	384,809 04	
		<u>\$894,463 18</u>

DEBIT.

Balance from 1883	\$412,400 00	
Appropriations, amount assessed	473,500 00	
Public property, land taken from Forster Schoolhouse for extension of Evergreen Avenue	2,077 76	
Lincoln Schoolhouse, destroyed by fire	6,485 42	
		<u>\$894,463 18</u>

PUBLIC PROPERTY.

CREDIT.

Property and debt balance, Lincoln Schoolhouse, destroyed by fire	\$6,485 42
Forster Schoolhouse, land taken for extension of Evergreen Avenue	2,077 76
Balance to debit in account, 1885	1,200,190 96
	<u>\$1,208,754 14</u>
<i>Amount carried forward</i>	\$1,208,754 14

Amount brought forward \$1,208,754 14

DEBIT.

Property and debt balance, property acquired during the year	\$36,154 14	
Balance from 1883	1,172,600 00	
	<hr/>	\$1,208,754 14

PUBLIC LIBRARY.

CREDIT.

Balance from 1883		\$88 45
Appropriations, amount assessed		1,500 00
Cash, received of county treasurer, return on dog-licenses, 1883	\$1,307 75	
Librarian, fines	214 86	
“ catalogues	34 24	
	<hr/>	1,556 85
		<hr/>
		\$3,145 30

DEBIT.

Cash, paid Lockwood, Brooks, & Co., books,	\$255 28	
Estes & Lauriat, “	999 77	
Cupples, Upham, & Co., “	3 75	
W. J. Bartlett & Co., “	12 41	
D. L. Gurnsey, “	14 00	
F. Leyboldt, “	4 00	
E. H. Rogers, “	1 85	
Little, Brown, & Co., “	6 00	
D. C. Colesworthy, “	50	
I. W. Trask, “	1 00	
George J. Varney, “	3 50	
Ira Bradley & Co., binding books	86 88	
Rockwell & Churchill, printing	169 56	
Babb & Stephens, “	191 75	
J. O. Hayden & Co., “	3 50	
Oliver Ditson, musical publication	1 00	
C. M. Blake, newspapers	12 00	
W. J. London, expressing	34 00	
	<hr/>	
<i>Amounts carried forward</i>	\$1,800 75	\$3,145 30

<i>Amounts brought forward</i>	\$1,800 75	\$3,145 30
Dexter F. Bennett, premium of insurance	18 75	
W. C. Crane, premium of insurance	18 75	
H. A. Adams, librarian	700 00	
Lizzie Stevens, librarian's assistant	340 50	
Georgette Colman, " "	169 95	
Ida Fillebrown, " "	16 10	
Lottie Hopkins, librarian's assistant	13 80	
Lucia Manning, " "	9 36	
W. E. Crooker, " "	15 24	
Herbert Foster, " "	7 30	
Fred. Smith, " "	5 80	
Aaron R. Gay & Co., stamps	4 00	
	<hr/>	
	\$3,120 30	
Balance to credit in account, 1885	25 00	
	<hr/>	
		<u>\$3,145 30</u>

PUBLIC-LIBRARY BUILDING.

CREDIT.

Excess and deficiency, transferred	\$15,000 00
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DEBIT.

Cash, paid William L. Clark & Co., on account of contract for mason-work	\$8,342 39
Fred C. Fuller, on account of contract for mason-work	2,984 38
George R. Clark & Co., stained glass	55 50
Howe & Flint, copper box	1 50
George F. Loring, services as architect,	671 95
Dexter F. Bennett, premium of insurance	75 00
Isaac B. Kendall, premium of insurance,	80 00
J. O. Hayden & Co., printing	1 50
Water-service assessments account, service-pipe	80 32
Central-hill improvement account, grading	616 77
	<hr/>
	\$12,909 31
Balance to credit in account, 1885	2,090 69
	<hr/>
	<u>\$15,000 00</u>

POLICE.

CREDIT.

Appropriations, amount assessed	\$22,500 00
Cash, received of Herbert A. Chapin, clerk of the court, for officers' fees, fines, etc.	2,098 75
	<hr/>
	\$24,598 75

DEBIT.

Cash, paid M. C. Parkhurst, chief	\$1,500 00	
R. R. Perry, captain	1,200 00	
Samuel R. Dow, sergeant	1,000 00	
C. C. Folsom, "	1,000 00	
Edward McGarr, "	943 34	
George W. Bean, patrolman	910 00	
Samuel A. Brown, "	915 00	
George A. Bodge, "	915 00	
C. C. Cavanagh, "	915 00	
George H. Carlton, "	915 00	
E. M. Carter, "	915 00	
Eugene A. Carter, "	687 50	
I. S. Campbell, "	227 50	
Albert Fiske, "	572 50	
John E. Fuller, "	915 00	
Edward F. Fales, "	308 25	
John Hafford, "	912 50	
John F. Johnson, "	687 50	
M. H. Kinsley, "	915 00	
Dennis Kelley, "	910 00	
Ivan Loughton, "	915 00	
Herbert H. Miller, "	677 50	
J. W. Oliver, "	915 00	
S. C. Rollins, "	227 50	
Frederick W. Slade, "	227 50	
A. L. Staples, "	915 00	
P. W. Skinner, "	912 50	
George L. Smith, "	915 00	
William Armstrong, " (special)	4 00	
Anson H. Eaton, " "	254 00	
Walter Gragg, " "	6 00	
	<hr/>	
<i>Amounts carried forward</i>	\$23,233 09	\$24,598 75

<i>Amounts brought forward</i> . . .	\$23,233 09	\$24,598 75
Richard McCue, patrolman (special) . . .	2 00	
Daniel H. Rinn, " " . . .	132 00	
Peter J. Savage, " " . . .	4 00	
M. C. Parkhurst, lockup-keeper . . .	100 00	
" " paid by him for de- tective service . . .	300 00	
C. C. Folsom, car-fares, etc. . . .	42 24	
P. W. Skinner, " " . . .	65	
E. A. Carter, " " . . .	80	
R. Keefe, photographing prisoners . . .	2 00	
H. A. Winship, weapons . . .	9 00	
Scoville Manufacturing Company, but- tons	13 50	
Henry Guild & Son, badge . . .	3 50	
Pollard & Alford, wreaths,	11 50	
James G. Davis & Co., wreath . . .	6 00	
Ward & Co., resonantor	2 00	
New-England Telephone and Telegraph Company, rentals, etc.	40 50	
Cook, Rymes, & Co., grapples . . .	27 80	
Union-square Carriage Company, re- pairing wagon	22 90	
Owen L. Roberts, use of boat . . .	2 00	
H. W. Raymond, hardware	12 42	
Seward Dodge, horseshoeing	5 85	
Ganong & Buxton, "	2 00	
A. L. Sanborn, horsekeeping	263 96	
P. H. Wellcome, carriage-hire . . .	3 00	
Charles W. Daley, "	9 00	
H. M. Weld & Co., "	2 00	
H. D. & W. S. Durgin, ice	30 00	
L. H. Brown, carriage-hire	41 50	
A. M. Prescott, teaming	8 00	
Joseph J. Giles, bookcase, etc. . . .	45 50	
Little, Brown, & Co., law-books . . .	103 76	
M. R. Warren, stationery	2 25	
Aaron R. Gay & Co., stationery . . .	4 50	
<i>Amounts carried forward</i> . . .	\$24,489 22	\$24,598 75

<i>Amounts brought forward</i>	\$23,489 22	\$24,598 75
G. M. Hopkins, atlas	12 00	
C. H. Dimond, directory	2 00	
A. L. Haskell & Co., printing	1 60	
C. M. Blake, newspapers	15 00	
Sturtevant Brothers, cheese, etc.	6 38	
Mansur & Whiting, crackers	3 18	
Sarah Keith, washing	27 78	
William A. Bell, professional services	6 00	
Emory L. White, " "	4 00	
A. H. Carvell, " "	5 00	
	<hr/>	
	\$24,572 16	

Excess and deficiency, balance to credit of account	26 59	
	<hr/>	
		<u>\$24,598 75</u>

POLICE-STATION INCIDENTALS.

CREDIT.

Appropriations, amount assessed		\$1,800 00
Cash, received of Somerville Co-operative Bank, use of hall	\$36 00	
Somerville Police Association, use of hall	15 00	
Somerville Charity Club, " " "	72 00	
Somerville High-school Association, use of hall	5 00	
J. B. Galvin, use of hall	21 00	
Mrs. L. W. Chandler, use of hall	51 00	
Frank Adams, " " "	7 00	
T. M. Brady, " " "	10 00	
N. K. Bishop, " " "	12 00	
Thomas Miller, " " "	132 00	
Ancient Order of Hibernians, use of hall	24 00	
Unitarian Society, " " "	15 00	
Unity Club, " " "	15 00	
Golden Star Social Club, " " "	20 00	
Philo May Griffin Concert Co., " " "	10 00	
First Universalist Society, " " "	65 00	
	<hr/>	
<i>Amounts carried forward</i>	\$510 00	\$1,800 00

<i>Amounts brought forward</i>	\$510 00	\$1,800 00
Prospect Council No. 11, A. L. of H., use of hall	12 50	
Washington Council, use of hall	20 00	
W. C. Kingsley Post 139, G. A. R., use of hall	62 00	
Charles L. Fitzhenry, use of hall	7 00	
Graduating Class Morse School, use of hall, " " Bell " " " "	3 00 3 00	
St. Joseph's Parish, " " "	26 00	
St. Joseph's T. A. Society " " "	26 00	
	<hr/>	669 50
		<hr/>
		\$2,469 50

DEBIT.

Cash, paid William D. Hayden, janitor	\$750 00	
Oil for carburetter, etc.	112 00	
Cambridge Gas-light Company, gas	314 10	
Horatio Wellington & Co., fuel	319 90	
W. M. Hadley, fuel	88 65	
L. Arnold, carpenter-work	3 85	
L. C. Seavey, slating	13 23	
J. B. Phillips, mason-work	21 75	
C. Sullivan, plumbing	1 00	
James F. Davlin, plumbing	7 31	
Howe & Flint, stove-work	5 07	
D. P. Bucknam, whitewashing	21 00	
J. J. Giles, mats	17 40	
Union Glass Company, globes	3 00	
H. W. Raymond, feather dusters, etc.	42 29	
Walworth Manufacturing Co., gasoline	100 50	
George H. Cowdin, paraffine	12 45	
A. A. Sanborn, repairing heating-appa- ratus	20 16	
Sturtevant Brothers, soap, matches, etc.	10 35	
W. Schuebeler, dry goods	2 90	
Thorpe's Express, expressing	4 50	
J. H. Clough, plans	20 00	
Walburgh & Woehrn, frescoing	85 00	
	<hr/>	
<i>Amounts carried forward</i>	\$1,976 41	\$2,469 50

<i>Amounts brought forward</i>	\$1,976 41	\$2,469 50
I. B. Kendall, premium of insurance	75 00	
W. C. Crane	95 00	
City of Boston, water-rates	20 79	
	<hr/>	
	\$2,167 20	

Excess and deficiency, balance to credit of account	302 30	
	<hr/>	
		<u>\$2,469 50</u>

PRINTING AND STATIONERY.

CREDIT. •

Appropriations, amount assessed		\$3,000 00
Cash, received of E. L. Orcutt, advertising hearing	\$3 60	
J. C. Russell, advertising hearing	3 60	
	<hr/>	7 20
Interest, transferred		600 00
		<hr/>
		\$3,607 20

DEBIT.

Cash, paid Aaron R. Gay & Co., stationery	\$1,005 25	
W. A. Greenough & Co., directories	15 00	
J. O. Hayden & Co., printing, etc.	1,448 40	
Cashman, Keating, & Co., printing an- nual reports	723 15	
Heliotype Printing Co., maps	50 00	
J. H. Bufford's Sons, printing bonds	175 00	
"Journal" Newspaper Co., advertising,	23 40	
Somerville "Truth," "	7 25	
Lizzie J. Pierce, clerical services	13 00	
Lillian Wyeth, " "	13 50	
	<hr/>	
	\$3,473 95	
Excess and deficiency, balance to credit of account	133 25	
	<hr/>	
		<u>\$3,607 20</u>

REAL-ESTATE LIENS.

CREDIT.

Cash, received of sundry persons for tax-titles released		\$4,025 08
Balance to debit in account, 1885		73 58
		<hr/>
<i>Amount carried forward</i>		\$4,098 66

Amount brought forward \$4,098 66

DEBIT.

Balance from 1883	\$3,729 86	
Taxes, titles deeded to the city for non-payment of taxes	254 54	
Interest, titles deeded to the city for non-payment of taxes	27 91	
Miscellaneous, titles deeded to the city for non-payment of taxes	86 35	
		<u>\$4,098 66</u>

RENEWAL OF FUNDED DEBT.

CREDIT.

Appropriations, amount authorized by loans . . . \$473,500 00

DEBIT.

Property and debt balance, amount of funded debt paid in 1884	<u>\$473,500 00</u>
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SINKING-FUND CONTRIBUTIONS.

CREDIT.

Appropriations, amount assessed \$45,525 00

DEBIT.

Cash, paid commissioners of the sinking-funds	<u>\$45,525 00</u>
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STATE OF MASSACHUSETTS.

CREDIT.

Taxes, amount assessed for State tax \$26,300 00

DEBIT.

Cash, paid State treasurer, State tax	<u>\$26,300 00</u>
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STATE OF MASSACHUSETTS.—STATE AID.

CREDIT.

Cash, received of State treasurer	\$3,807 50
Balance, Dec. 31, 1884, due from State, Dec. 1, 1885, to debit in account, 1885	3,574 00
	<u>\$7,381 50</u>
<i>Amount carried forward</i>	\$7,381 50

Amount brought forward \$7,381 50

DEBIT.

Balance from 1883	\$3,654 50	
State aid, amount paid in 1884, as per account	3,727 00	
	<u> </u>	\$7,381 50

STATE OF MASSACHUSETTS.—INDIGENT SOLDIERS AND SAILORS.

CREDIT.

Cash, received of State treasurer	\$430 50
Balance, Dec. 31, 1884, due from State, Dec. 1, 1885, to debit in account, 1885	472 00
	<u> </u>
	\$902 50

DEBIT.

Balance from 1883	\$418 50
Indigent soldiers and sailors, one-half of amount paid in 1884, as per account,	484 00
	<u> </u>
	\$902 50

STATE AID.

CREDIT.

State of Massachusetts, State aid, amount paid in 1884 charged to State	\$3,739 00
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DEBIT.

Cash, paid monthly pay-rolls for aid	<u>\$3,739 00</u>
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SUNDRY PERSONS.

CREDIT.

Balance from 1883	\$485 10
Highways, amount approved in favor of sundry persons, and unpaid	\$2,101 12
Sewers, amount approved in favor of sundry persons, and unpaid	80 72
Interest, coupons due and unpaid	375 00
	<u> </u>
	2,556 84
<i>Amount carried forward</i>	\$3,041 94

Amount brought forward \$3,041 94

DEBIT.

Cash, paid sundry persons amounts to their credit	\$1,568 00	
Balance to credit in account, 1885	1,473 94	
		<u>\$3,041 94</u>

SALARIES.

CREDIT.

Appropriations, amount assessed	\$18,900 00	
Interest, transferred	128 55	
		<u>\$19,028 55</u>

DEBIT.

Cash, paid John A. Cummings, mayor	\$1,000 00	
Charles E. Gilman, city clerk	2,100 00	
John F. Cole, city treasurer and collector of taxes	3,100 00	
George A. Kimball, city engineer	2,000 00	
Samuel C. Darling, city solicitor	1,000 00	
T. M. Durell, city physician	850 00	
Douglas Frazar, city auditor	350 00	
Douglas Frazar, clerk of common council	200 00	
George I. Vincent, clerk of assessors and committees	1,700 00	
William P. Mitchell, assistant clerk of committees	1,000 00	
Jairus Mann, city messenger	1,400 00	
Aaron Sargent, treasurer of commissioners of sinking-funds	200 00	
David A. Sanborn, inspector of buildings	55 00	
Elijah Walker, inspector of buildings	145 00	
Stillman H. Libby, assessor	500 00	
George W. Hadley, "	500 00	
Benjamin F. Thompson, assessor	500 00	
John C. Tenney, assistant assessor	200 00	
		<u>\$16,800 00</u>
<i>Amounts carried forward</i>	\$16,800 00	<u>\$19,028 55</u>

<i>Amounts brought forward</i>	\$16,800 00	\$19,028 55
Adoniram J. Taylor, assistant assessor	200 00	
Reuben A. Melvin, " "	200 00	
Samuel T. Richards, " "	200 00	
Engineers' assistants	1,628 55	
	<hr/>	<u>\$19,028 55</u>

STREET-LIGHTS.

CREDIT.

Appropriations, amount assessed		\$7,500 00
Cash, received of M. A. Burbank <i>et al.</i> ,		
lamp-post	\$20 00	
E. H. Capen <i>et al.</i> , lamp-post	260 00	
Richard Dowd <i>et al.</i> , "	20 00	
J. C. Earl <i>et al.</i> , "	60 00	
Alexander Foster <i>et al.</i> , lamp-post	60 00	
James Harney <i>et al.</i> , "	80 00	
John Manning <i>et al.</i> , "	60 00	
George A. Munroe <i>et al.</i> , "	20 00	
Charles H. North <i>et al.</i> , "	20 00	
Charles J. Simpson <i>et al.</i> , "	20 00	
C. L. Stearns <i>et al.</i> , "	20 00	
Charles-river Street-railway Company,		
damage to lamp-post	26 06	
	<hr/>	666 06
		<u>\$8,166 06</u>

DEBIT.

Cash, paid Cambridge Gas-light Company,		
gas	\$2,079 09	
Cambridge Gas-light Company, labor		
on pipes, etc.	38 86	
Charlestown Gas Company, gas	1,791 02	
Charlestown Gas Company, labor on		
pipes, etc.	48 10	
Maverick Oil Company, naphtha	207 50	
A. H. Weld & Son, alcohol	16 70	
Christopher Burke, lighting and care of		
lamps	1,966 41	
	<hr/>	<u>\$8,166 06</u>
<i>Amounts carried forward</i>	\$6,147 68	\$8,166 06

<i>Amounts brought forward</i>	\$6,147 68	\$8,166 06
Christopher Burke, setting posts	18 75	
R. T. Blackwell, lighting and care of lamps	278 46	
W. L. Snow, repairing lamps	11 40	
Howe & Flint, " "	8 25	
Nathaniel Tufts, lamps, frames, etc.	421 20	
Wadsworth, Howland, & Co., diamond, Hills, Turner, & Co., glass	5 50	
R. Sherburne, "	25 82	
William B. Berry & Co., lamp-posts, etc.	10 80	
C. T. Benson, cutting-board, etc.	166 75	
Ramsey Clark, painting	2 25	
Daniel W. McDermott, painting	63 00	
J. O. Hayden & Co., advertising	63 60	
William J. London, expressing	3 60	
Weeks & Co., "	57 75	
Water maintenance account, repairing fountain	1 00	
	<hr/>	
	\$7,288 26	
Sewers, transferred	400 00	
Excess and deficiency, balance to credit of account	477 80	
	<hr/>	
		\$8,166 06

SIDEWALKS.

CREDIT.

Appropriations, amount assessed	\$3,000 00
Sidewalk assessments, assessments levied	1,441 47
	<hr/>
	\$4,441 47

DEBIT.

Cash, paid laborers	\$140 98
John Turner & Co., edge-stones, etc.	2,468 22
J. O. Hayden & Co., advertising	84 00
Highways account, labor and materials,	212 93
Sewers account, catch-basin curbs	19 41
	<hr/>
<i>Amounts carried forward</i>	\$2,925 54
	<hr/>
	\$4,441 47

<i>Amounts brought forward</i>	\$2,925 54	\$4,441 47
Highways, transferred	1,400 00	
Excess and deficiency, balance to credit of account	115 93	
	<hr/>	<u>\$4,441 47</u>

SIDEWALK ASSESSMENTS.

CREDIT.

Cash, received of sundry persons, assess- ments	\$3,664 58	
Balance to debit in account, 1885	917 27	
	<hr/>	\$4,581 85

DEBIT.

Balance from 1883	\$3,140 38	
Sidewalks, assessments levied	1,441 47	
	<hr/>	<u>\$4,581 85</u>

SEWERS.

CREDIT.

Appropriations, amount assessed		\$10,000 00
School-fuel, transferred		300 00
Street-lights, "		400 00
Cash received of Maurice Terry, puddling,	\$8 37	
Putterill & Killion, puddling	1 50	
Maurice Buttimer, puddling, etc.	3 00	
Patrick Terry, cleaning sewer	1 87	
James C. Stevens, fee for entering Russell- street sewer	55 32	
Trustees Massachusetts General Hospital, fourth annual payment for permission to enter Fitchburg-street sewer	50 00	
Highways account, catch-basin curbs	5 73	
Sidewalks account, " "	19 41	
Water maintenance account, repairing sewer,	59 72	
Health-Department, drawing water	3 00	
Schoolhouse incidentals account, laying drains	156 29	
	<hr/>	364 21
Sewer assessments, assessments levied		14,441 55
		<hr/>
<i>Amount carried forward</i>		\$25,505 76

Amount brought forward \$25,505 76

DEBIT.

Cash, paid laborers	\$3,519 10
George D. Goodrich & Co., drain-pipe,	2,590 65
Howe & Flint, "	746 57
Charles Holmes & Son, "	538 71
Portland Stone-ware Corporation, drain- pipe	320 41
Marcellas Day, drain-pipe	1 00
Osgood & Hart, castings	12 00
W. O. Barbour & Co., castings	2 86
Cook, Rymes, & Co., steel bar	5 00
J. Leland, cesspool cover	3 20
Boston Belting Company, hose	4 47
Hall Rubber Company, rubber boots	9 75
A. S. Jackson, repairing hose	11 30
H. W. Raymond, hardware	4 25
A. Parker, catch-basin stones	19 00
H. Gore & Co., paving-stones	101 10
D. Roby & Co., cement	20 10
Edward Fitzgerald, sand	2 00
Sanborn & Hatch, bricks	19 00
Heirs of L. Schorle, pails	8 00
Charles Bartley, oil, etc.	1 16
Seward Dodge, blacksmithing	7 06
Leander Greeley, carpenter-work	68
J. O. Hayden & Co., advertising, etc.	92 90
Aaron R. Gay & Co., stationery	9 00
City of Boston, water	25 00
City of Cambridge, five-ninths of ex- pense of cleaning outlet of Bridge- street sewer	1,714 70
Susan M. Cutter, land taken for Cutter- avenue and Graves-street sewer	137 80
John J. Dorey, constructing sewer in Jaques and Bond Streets	950 00
John J. Dorey, constructing sewer in Murdock Street	639 94

Amounts carried forward \$11,516 71 \$25,505 76

APPENDIX TO TREASURER AND COLLECTOR'S REPORT. 101

<i>Amounts brought forward</i>	\$11,516 71	\$25,505 76
Richard Falvey, constructing sewer in Poplar and Linwood Streets	1,850 00	
Richard Falvey, drain-pipe	1 36	
Paul Kelley, constructing sewer in Highland Avenue	268 57	
Charles A. Mongan, constructing sewer in Pinckney Street	250 00	
Charles A. Mongan, constructing sewer in Durham Street	225 00	
Charles A. Mongan, constructing sewer in Clyde Street	600 00	
Charles A. Mongan, constructing catch- basins, etc.	401 05	
Dennis O'Connell, constructing sewer in Oakland Avenue and School Street	490 17	
Dennis O'Connell, constructing sewer in Pleasant Avenue	276 43	
Putterill & Killion, constructing sewer in Cutter Street	188 89	
Putterill & Killion, constructing sewer in Partridge Avenue	200 00	
Maurice Terry, constructing sewer in Porter Street and Brastow Avenue	1,191 22	
Maurice Terry, constructing sewer in Medford Street	1,500 00	
Maurice Terry, constructing sewer in Beach Street	383 22	
Patrick Terry, constructing sewer in Highland Avenue and School Street,	214 60	
Patrick Terry, constructing sewer in Cutter Avenue and Graves Street	450 00	
Patrick Terry, constructing sewer in Morrison and Cedar Streets	5,186 18	
Maurice Buttimer, use of pump	1 50	
Water-service account, labor and pipe	61 33	
Sundry persons, John J. Dorey, balance due for constructing sewer in Jaques and Bond Streets	80 72	
<i>Amounts carried forward</i>	<u>\$25,336 95</u>	<u>\$25,505 76</u>

<i>Amounts brought forward</i>	\$25,336 95	\$25,505 76
Maurice Terry, sewer, Medford Street	9 00	
	<hr/>	
	\$25,345 95	
Sewer assessments, abated	3 29	
Excess and deficiency, balance to credit of account	156 52	
	<hr/>	\$25,505 76
		<hr/> <hr/>

SEWER ASSESSMENTS.

CREDIT.

Cash, received of sundry persons, assess- ments	\$10,275 55	
Sewers, abatements on assessments	3 29	
Balance to debit in account, 1885	10,109 35	
	<hr/>	\$20,388 19

DEBIT.

Balance from 1883	5,946 64	
Sewers, assessments levied	14,441 55	
	<hr/>	\$20,388 19
		<hr/> <hr/>

SUPPORT OF POOR.

CREDIT.

Appropriations, amount assessed		\$15,000 00
Cash, received for support of paupers, —		
Of city of Boston	\$182 01	
" Chelsea	22 85	
" Lawrence	15 05	
" Malden	4 90	
" Worcester	88 50	
Of town of Arlington	31 45	
" Brookline	27 95	
" Concord	14 45	
" Canton	4 00	
" Marblehead	14 00	
" Manchester	86 00	
" Milton	34 05	
" Medford	13 75	
" Natick	22 85	
	<hr/>	
<i>Amounts carried forward</i>	\$561 81	\$15,000 00
		<hr/> <hr/>

<i>Amounts brought forward</i>	\$561 81	\$15,000 00
Of town of Somerset	10 40	
" Sandwich	25 85	
" Woburn	12 15	
" Waltham	10 45	
State of Massachusetts, support of State paupers	179 61	
State of Massachusetts, temporary relief, " " burials	297 03 70 00	
Henry Coffin, support of pauper	86 42	
Samuel W. Dow, " " "	146 69	
Estate of Ansel Lewis, empty barrels	9 41	
Chester Williams, return on rent-bill	3 00	
Highways account, services of T. Garvin,	92 25	
	<hr/>	1,505 07
Interest, transferred		757 69
		<hr/>
		\$17,262 76

DEBIT.

Cash, amounts paid for support of paupers ; viz. : —

Asylum for the Chronic Insane	\$314 92
Commonwealth of Massachusetts	582 84
Danvers Lunatic Hospital	1,566 60
Massachusetts General Hospital	82 00
Massachusetts School for the Feeble- minded	139 76
Northampton Lunatic Hospital	71 08
State Hospital for the Insane	424 64
Taunton Lunatic Hospital	181 86
Worcester Lunatic Hospital	871 27
Charles J. Adams, House of Correction, City of Boston	42 71 871 30
" Cambridge	460 26
" Chelsea	60 70
" Lowell	770 52
" Lawrence	96 00
" Newburyport	136 79
" Taunton	17 15

<i>Amounts carried forward</i>	\$6,690 40	\$17,262 76
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<i>Amounts brought forward</i>	\$6,690 40	\$17,262 76
Town of Andover	72 00	
“ Barnstable	24 00	
“ Braintree	53 40	
“ Holliston	96 00	
“ Lexington	220 00	
“ Medford	48 00	
“ Melrose	81 00	
“ Peabody	190 50	
Jesse Abbott, board of paupers	204 00	
H. Blackwell, “ “ “	214 00	
Louisa Beers, “ “ “	16 00	
Herman Bucknam, board of paupers	21 79	
Susan Donnell, “ “ “	6 00	
Thomas Garvin, “ “ “	156 88	
William Holbrook, “ “ “	60 00	
S. H. M. Heard, “ “ “	74 10	
John Kelley, “ “ “	156 88	
William Littlefield, board of paupers	180 53	
Michael H. Manning, “ “ “	21 79	
Hannah B. Mayo, “ “ “	127 21	
John McClinnon, “ “ “	19 43	
Mary E. Nowlin, “ “ “	130 68	
Ellen Neagle, “ “ “	213 10	
Ellen O'Donnell, “ “ “	43 72	
Daniel Shea, “ “ “	21 14	
Martin Toye, “ “ “	104 58	
David Arthur, rent	13 60	
J. H. Bickford, “	60 00	
Edward Clifford, rent	22 00	
T. F. Crimmins, “	8 00	
Thomas Charmer, “	12 00	
E. H. Elliot, “	36 00	
Heirs of Hugh Gallagher, rent	19 00	
Daniel Gallagher, “	18 33	
J. J. Giles, “	18 00	
Sarah Gill, “	86 00	
Ann Grady, “	44 00	
<i>Amounts carried forward</i>	\$9,584 06	\$17,262 76

<i>Amounts brought forward</i>	\$9,584 06	\$17,262 76
Charles Hutchinson, rent	13 14	
Hebron Libby, "	48 00	
S. H. Libby, "	40 00	
James Lynch, "	36 00	
John I. Loudon, "	60 00	
James Manning, "	10 00	
James McGrath, "	47 57	
James McCarroll, "	5 00	
M. J. McCarron, "	48 00	
Jeremiah McCarty, "	60 00	
M. McNamara, "	6 00	
John Maloy, "	55 00	
Charles O'Niel, "	88 00	
Warren Pollard, "	10 00	
John Reynolds, "	20 00	
Augustus Russ, "	36 00	
Zylpha Shaw, "	66 00	
M. Terry, "	60 00	
Chester Williams, "	25 00	
J. H. Wall, "	40 00	
Almira J. Wilson, "	144 00	
Mary Ash, "	96 00	
Frank Eagan, "	9 00	
Patrick Houghton, "	10 00	
Margaret Kenneally, "	10 50	
O. S. Knapp, "	60 00	
Ann Lyman, "	88 00	
Mary E. Knowlin, "	60 00	
Mary Woods, "	85 30	
Michael Costello, "	27 00	
George R. Osgood, "	12 00	
Eugene Shea, "	130 68	
Charles S. Butters, provisions,	277 30	
Belknap & Boynton, "	120 94	
Battes, Tracy, & Payzant, provisions	29 38	
Dexter G. Benner, "	13 00	
A. Cormier, "	55 50	
<i>Amounts carried forward</i>	\$11,586 37	\$17,262 76

<i>Amounts brought forward</i>	\$11,586 37	\$17,262 76
P. T. O'Brien, provisions	37 85	
C. L. Stevens, groceries and provisions,	22 00	
N. H. Reed, " " "	60 00	
M. W. Hennessey, groceries and pro- visions	49 00	
William S. Ward, groceries and pro- visions	21 65	
James Bentley, groceries and provisions,	22 75	
A. F. Carpenter, groceries and pro- visions	31 47	
Edward Colliton, groceries and pro- visions	35 93	
Mrs. Jennings, groceries and provisions,	18 00	
Knowles Bros., " " "	16 65	
Ward & Johnson, groceries and pro- visions	3 00	
J. J. Guild, groceries and provisions .	89 75	
Martin L. King, groceries and pro- visions	17 65	
Charles A. Small, groceries and pro- visions	123 70	
Sturtevant Bros., groceries and pro- visions	354 65	
Whitaker and Cheney, groceries and provisions	49 56	
Simon White, groceries and provisions .	56 50	
E. S. Conant & Co., groceries and pro- visions	195 79	
Charles H. North & Co., groceries and provisions	100 56	
Harrison Aldrich & Mills, beans . . .	17 94	
Fales & Lehy, "	38 62	
Porter Bros., "	11 89	
Clark, Bro., & Co., potatoes	9 65	
Hewey Skillings & Co., meal	4 95	
Page, Kidder, & Co., flour	97 50	
Ar Showe & Co., tea	29 25	
<i>Amounts carried forward</i>	\$13,102 63	\$17,262 76

<i>Amounts brought forward</i>	\$13,102 63	\$17,262 76
G. F. Wellington, crackers	39 24	
Mansur & Whiting, "	155 70	
Albert Fiske, "	28 20	
P. Curtis, fish	82 00	
F. M. Burrows, milk	4 62	
W. M. Hadley, fuel	572 02	
H. Wellington & Co., fuel	268 69	
James Horrell, "	2 00	
John F. Ayer, "	60 00	
John F. Brine, "	1 50	
Charles O'Neil, soap	79 30	
J. H. Brooks, dry goods	15 70	
J. W. Brine, clothing	12 25	
H. S. Lombard, "	27 50	
Philip Eberle, boots and shoes	177 85	
William J. Emerson, boots and shoes	16 75	
Howe & Flint, stove-work	2 75	
John Abbott Lodge, stove	9 00	
R. A. Stevens, carpenter-work	380 73	
Jackson, Caldwell, & Co., bedding	3 00	
H. W. Raymond, baskets, etc.	2 75	
S. J. Wood, filing saws	2 75	
P. H. Wellcome, carriage-hire	11 50	
H. M. Weld, "	21 00	
L. H. Brown, "	18 00	
Steele & Webster, teaming	2 00	
A. M. Prescott, "	9 00	
John Fallon, "	33 80	
J. O. Hayden & Co., printing and stationery	13 30	
Aaron R. Gay & Co., stationery	33 10	
Charles H. Dimond, directory	2 00	
Leech & Green, truss, etc.	8 50	
Charles H. Crane, medicine	12 90	
George H. Cowdin, "	1 80	
W. W. Dow, medical attendance	10 00	
Edward Mayberry, medical attendance,	18 50	
<i>Amounts carried forward</i>	\$15,242 33	\$17,262 76

<i>Amounts brought forward</i>	\$15,242 33	\$17,262 76
J. B. Gould, medical attendance	2 00	
E. A. Sanborn, " "	9 00	
J. A. Gregg, " "	2 00	
Thorpe's Express, expressing	3 85	
Dexter F. Bennett, premium of insurance	7 50	
William A. Flaherty, undertaker's services	113 50	
Patrick Rafferty & Co., undertakers' services	61 00	
H. B. Runey, undertaker's services	59 50	
E. H. Marsh, " "	30 00	
Thomas Devens, " "	15 00	
William L. Lockhart, undertaker's services	10 00	
Thomas Cunningham, teaming fuel, etc.	308 08	
" " overseer of the poor	300 00	
" " secretary of overseers of poor,	200 00	
" " storekeeper	37 50	
Ansel Lewis, overseer of the poor	37 50	
" " storekeeper	37 50	
J. J. Underhill, overseer of the poor	300 00	
" " paid by him for rent, etc.	21 50	
George W. Washburn, overseer of the poor	240 00	
" " " storekeeper	225 00	
	<hr/>	<hr/>
		\$17,262 76

SCHOOL CONTINGENT.

CREDIT.

Appropriations, amount assessed	\$9,000 00
Cash, received for tuition of non-resident pupils:—	
Henry O. Atwood	\$25 00
Joshua Coit	30 00
Francis Hollis	82 00
	<hr/>
<i>Amounts carried forward</i>	\$137 00
	<hr/>
	\$9,000 00

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<i>Amounts brought forward</i>	\$137 00	\$9,000 00
W. S. McKenzie	30 00	
Thomas J. Moody	12 50	
William A. Snow	30 00	
Thomas C. Woodworth	8 00	
	<hr/>	217 50
Interest, transferred		5,679 39
Excess and deficiency, transferred		3,000 00
		<hr/>
		\$17,896 89

DEBIT.

Cash, paid Joshua H. Davis, salary as super- intendent of schools	\$1,800 00	
travelling-expenses	11 25	
stamps	6 00	
Janitors	3,589 83	
William H. Brine, truant-officer	300 00	
“ “ “ travelling-expenses	13 17	
Jairus Mann, truant-officer	49 93	
F. F. Murdock, travelling-expenses	31 52	
R. Bickford, ribbon for diplomas	6 65	
John S. Hayes, “ “	6 49	
G. A. Southworth, ribbon for diplomas,	4 50	
George L. Baxter, “ “ “	3 13	
“ “ “ philosophical appa- ratus	5 95	
N. S. Dearborn, diplomas	73 00	
C. A. French, inscribing diplomas	26 70	
Boston School Supply Co., books, etc. . . .	839 02	
Knight, Adams, & Co., “ “	2,789 41	
Harper Brothers, “	1,081 95	
A. S. Barnes & Co., “	284 50	
T. W. Gilson, “	304 10	
Leach, Shewell, & Sanborn, “	1,029 13	
Daniel Appleton & Co., “	219 15	
Ivison, Blakeman, Taylor, & Co., books,	561 55	
William Ware & Co., books	614 10	
Thompson, Brown, & Co., books	190 09	
E. H. Butler & Co., “	275 67	
	<hr/>	
<i>Amounts carried forward</i>	\$14,116 79	\$17,896 89

<i>Amounts brought forward</i>	\$14,116 79	\$17,896 89
Ginn, Heath, & Co., books	399 51	
J. W. C. Gilman, "	135 70	
Willard Small, "	147 21	
Sheldon & Co., "	50 42	
C. H. Dimond, "	40 01	
Lee & Shepard, "	54 51	
E. L. Warren, "	9 46	
George W. Bartlett, "	6 51	
M. L. Tobin, "	33 26	
D. F. Spaulding, "	37 82	
A. Jewett, "	10 09	
E. J. Burt, "	67 48	
J. L. Hammett, Agent, school supplies,	101 85	
George S. Perry, pencils, pens, etc.	206 50	
Eagle Pencil Co., lead-pencils,	362 80	
Standard Rule and Level Co., rulers	76 50	
Houghton, Mifflin, & Co., directory	8 00	
A. G. Whitcomb, school-furniture	7 25	
Murphy, Leavens, & Co., dusters, etc.	170 80	
J. E. Parsons, pails	1 25	
Oscar F. Howe, brooms, etc.	15 50	
Charles A. Small, " "	70	
Williams & Butler, tin-ware	17 00	
Charles Holmes & Son, hardware	15 82	
H. W. Raymond, "	99	
Joseph Ward & Co., mirror	58	
P. Lynam & Son, mats	60 48	
J. J. Giles, mats	6 50	
James L. Tyler, trunk	3 00	
T. A. Rolfe, flannel	1 00	
Rand & Byam, soap	26 15	
George H. Hills & Co., soap, etc.	6 19	
C. L. Stevens, " "	4 20	
Thomas Hollis, sponges	3 30	
D. H. Rinn, oil, etc.	9 35	
Weeks & Potter, drugs	8 31	
W. R. Cann, use of carpet	5 00	
<i>Amounts carried forward</i>	\$16,227 79	\$17,896 89

<i>Amounts brought forward</i>	\$16,227 79	\$17,896 89
E. S. Daniels, tuning piano	9 00	
George H. Brown, tuning piano	5 25	
John A. McKenna, " "	3 50	
Thomas Young, flowers	7 75	
J. O. Hayden & Co., printing	218 25	
George B. King, "	31 45	
George F. King & Merrill, stationery, etc.	115 26	
H. M. Weld, carriage-hire	6 00	
T. G. Dean, labor	6 25	
A. M. Sibley, "	6 00	
Jackson, Caldwell, & Co., teaming	23 00	
Barker & Tibbetts, expressing	9 50	
B. H. Weeks & Co., "	9 10	
A. M. Prescott, "	3 00	
W. J. London, "	3 25	
Stilphen & Co., "	13 70	
Woodbridge & Co., "	70 26	
E. Perham & Co., "	25	
Gilman's Express, "	15	
John D. Hills, carpenter-work	5 50	
James M. Coburn, rent, etc.	168 35	
R. F. Thompson, " "	96 00	
S. M. Fuller, fuel	17 90	
Cambridge Gas-light Company, gas	39 71	
Charlestown Gas Company, "	48 38	
E. B. West, services as janitor	3 00	
Trustees of the First Methodist-Episco- cal Church, use of church for exhibi- tion	50 00	
West Somerville Congregational Society, use of church for exhibition	10 00	
City of Boston, water-rates	669 34	
" Cambridge, "	20 00	
	<hr/>	<hr/>
		\$17,896 89

SCHOOL-FUEL.

CREDIT.

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

Cash, paid Horatio Wellington & Co., fuel .	\$3,395 79
W. M. Hadley, " .	1,193 50
S. M. Fuller, " .	9 40
J. O. Hayden & Co., advertising .	7 20
"Journal" Newspaper Company, advertising	9 50
"Boston Daily Advertiser," advertising, .	8 00
	<hr/>
	\$4,623 39
Sewers, transferred	300 00
Excess and deficiency, balance to credit of account	76 61
	<hr/>
	\$5,000 00

SCHOOLHOUSE INCIDENTALS.

CREDIT.

Appropriations, amount assessed	\$8,000 00
Excess and deficiency, transferred	1,000 00
Interest, "	1,000 00
Health-Department, "	400 00
Cash, received of St. Joseph's Total-abstinence Society, settees	\$30 00
Schoolhouse on School Street account, furniture	368 37
Schoolhouse on Tufts Street account, furniture	450 40
Fire-Department account, carpenter-work	9 00
Miscellaneous account, carpenter-work, etc.	75 67
Highways account, labor, etc.	7 90
	<hr/>
	941 34
	<hr/>
<i>Amount carried forward</i>	\$11,341 34

Amount brought forward \$11,341 34

DEBIT.

Cash, paid T. B. Blaikie & Co., high-school alterations	\$725 00	
Fred. C. Fuller, carpenter-work	15 65	
William A. Muzzey, "	79 53	
M. R. Sweatt, "	63 99	
R. A. Stevens, "	154 86	
R. A. Melvin & Co., "	15 99	
John D. Hills, "	35 90	
A. Headley, "	4 50	
Elijah Walker, "	116 33	
" " (salary), "	533 34	
J. F. Walker, "	694 18	
W. S. Walker, painting and glazing	298 16	
Munn & Hughes, " " "	76 95	
J. A. Stevens, " " "	41 20	
A. Fisher, " " "	2 25	
James F. Davlin, plumbing	340 11	
C. A. Legallee, "	21 88	
Dalton & Ingersoll, "	87 20	
H. W. Covell & Co., plumbing	63 03	
J. A. Merrifield, stove-work, etc.	111 58	
Charles Holmes & Son, stove-work, etc.,	64 40	
J. E. Parsons, " "	51 23	
J. A. Durell, " "	71 60	
C. S. West, stove	8 00	
D. B. Bucknam, plastering	54 50	
Patrick H. Keefe, "	2 00	
George W. Remick, "	11 75	
James M. Burckes, mason-work	384 26	
C. F. Palmer, "	122 98	
A. C. Winning, "	21 45	
Thomas Farnham, "	9 03	
J. P. Lovering, "	8 42	
E. W. Carleton, whitening	452 95	
A. A. Sanborn, boiler and steam-fitting,	2,099 32	
<i>Amounts carried forward</i>	\$6,843 52	\$11,341 34

<i>Amounts brought forward</i>	\$6,843 52	\$11,341 34
Howe & Flint, hardware, etc.	167 96	
H. W. Raymond, " "	136 37	
W. L. Snow, " "	154 05	
Seward Dodge, blacksmith-work	21 57	
Edward O'Brien, "	1 50	
Smith & Anthony Stove Company, fur- nace, etc.	83 30	
L. C. Seavey, slating	247 79	
Worthen & Caswell, soapstone-work	136 00	
Stephen Buttimer, stone	51 90	
John Thresher & Co., bricks	226 00	
Jackson Caldwell & Co., repairing chairs, etc.	4 60	
R. H. Drake, repairing gas-fixtures	1 20	
E. S. Bailey, repairing clock	3 50	
David Crocker, " "	7 00	
J. B. Phillips, pointing	185 00	
E. D. Sawyer & Co., lumber	326 70	
E. W. Towne & Co., "	20 00	
Watson & Bisbee, "	16 65	
George D. Goodrich & Co., drain-pipe, Boston Belting Company, hose	6 26	
A. G. Whitcomb, school-furniture	16 45	
Cutter & Parker, sashes	982 78	
B. M. Boyce, clocks	29 45	
B. M. Boyce, clocks	10 00	
Flynn Brothers, window-shades	16 00	
E. F. Reed, "	17 80	
C. L. Stevens, oil	7 10	
G. M. D. Fernald, tube-work	14 35	
O. Nowell, adjusting bells	2 75	
M. D. Jones & Co., lawn-mower	12 67	
Parker & Wood, lawn-dressing	3 34	
Trustees Park-avenue Methodist Church, stove	5 00	
S. J. Wood, repairing locks	11 05	
Patrick Burke, labor	13 00	
James M. Coburn, labor	7 80	
<i>Amounts carried forward</i>	\$9,790 41	\$11,341 34

<i>Amounts brought forward</i>	\$9,790 41	\$11,341 34
Timothy G. Dean, labor	28 48	
Michael Manning, "	4 00	
A. Leland, "	1 50	
Joseph Young, "	28 00	
P. H. Wellcome, carriage-hire	10 00	
H. M. Weld & Co., "	2 00	
Barker & Tibbetts, expressing	5 55	
Gilman's Express, "	35	
Thorpe's Express, "	50	
Day's Express, "	3 25	
A. M. Prescott, teaming	11 00	
D. O'Brien, "	39 25	
Russell & Fitch, removing night-soil	113 50	
Horatio Wellington & Co., fuel	1 60	
John Turner & Co., stone-work	260 37	
F. W. Rivinius & Co., "	71 25	
N. E. Fitz & Co., lime and cement	73 90	
S. D. Kelley, services architect	62 00	
S. S. Woodcock, " "	55 00	
S. J. F. Thayer, " "	35 00	
Charles Robinson, jun., rent	200 00	
Philip Eberle, "	75 00	
E. W. Cobb, "	25 00	
Joseph J. Giles, "	90 00	
" " " carpet	17 80	
W. C. Crane, premium of insurance	40 00	
Highways account, removing ashes	7 90	
" " labor and teaming	31 62	
Sewers account, laying drains	156 29	
	<hr/>	
	\$11,240 52	
Excess and deficiency, balance to credit of account	100 82	
	<hr/>	
		\$11,341 34
		<hr/> <hr/>

SCHOOL-TEACHERS' SALARIES.

CREDIT.

Appropriations, amount assessed	\$72,000 00
Interest, transferred	712 77
	<hr/>
	\$72,712 77

DEBIT.

Cash, paid salaries	\$72,712 77
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SCHOOLHOUSE ON SCHOOL STREET.

CREDIT.

Excess and deficiency, transferred	\$13,900 00
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DEBIT.

Cash, paid John B. Johnson, 11,300 feet of land	\$2,373 00
T. B. Blaikie, on account of contract	9,000 00
J. Foster Ober, services as architect	300 00
"Journal" Newspaper Company, ad- vertising	4 50
"Post" Publishing Company, advertis- ing	3 50
R. M. Pulsifer & Co., advertising	3 94
J. O. Hayden & Co., "	2 10
E. D. Sawyer & Co., lumber	23 19
Howe & Flint, hardware	3 20
H. W. Raymond, "	62
J. F. Walker, carpenter-work	6 88
W. C. Crane, premium of insurance	94 00
Dexter F. Bennett, premium of insur- ance	112 50
Schoolhouse incidentals account, furni- ture	368 37
Central-hill improvement account, fill- ing	315 32
	<hr/>
	\$12,611 12
Balance to credit in account, 1885	1,288 88
	<hr/>
	\$13,900 00

SCHOOLHOUSE ON TUFTS STREET.

CREDIT.

Excess and deficiency, transferred \$12,000 00

DEBIT.

Cash, paid William B. Stinson & Co., on account of contract	\$8,000 00	
S. D. Kelley, services as architect	300 00	
J. O. Hayden & Co., advertising	2 10	
"Journal" Newspaper Company, advertising	4 50	
"Post" Publishing Company, advertising	3 50	
R. M. Pulsifer & Co., advertising	3 93	
E. D. Sawyer & Co., lumber	23 76	
J. F. Walker, carpenter-work	8 25	
Howe & Flint, hardware	5 20	
H. W. Raymond, "	63	
I. B. Kendall, premium of insurance	112 50	
W. C. Crane, " " "	94 00	
Schoolhouse incidentals account, furniture	450 40	
Central-hill improvement, filling	218 12	
	<u>\$9,226 89</u>	
Balance to credit in account, 1885	\$2,773 11	
		<u>\$12,000 00</u>

TAXES.

CREDIT.

Cash, received for taxes for 1881	\$251 20	
" " " " 1882	30,508 12	
" " " " 1883	68,485 79	
" " " " 1884	291,374 34	
	<u>\$390,619 45</u>	
Real-estate liens, titles to the city for non-payment of taxes of 1882.		254 54
Public property, tax on property purchased by the city,		18 37
		<u>\$390,892 36</u>
<i>Amount carried forward</i>		

<i>Amount brought forward</i>		\$390,892 36
Overlay and abatement, abatement on taxes for 1881	\$2 00	
Abatement on taxes for 1882	226 28	
“ “ “ “ 1883	471 18	
“ “ “ “ 1884	4,091 88	
	<hr/>	4,791 34
Balance to debit in account, 1885, being uncollected taxes for 1881,	\$3,001 60	
Being uncollected taxes for 1882,	3,307 90	
“ “ “ “ 1883,	44,058 57	
“ “ “ “ 1884,	123,284 04	
	<hr/>	173,652 11
		<hr/>
		569,335 81

DEBIT.

Balance from 1883	\$150,585 55	
Appropriations, amount assessed for current expenses	371,825 00	
State of Massachusetts, amount assessed for State tax.	26,300 00	
County of Middlesex, amount assessed for county tax	12,097 00	
Overlay and abatement, amount added by the assessors	8,528 26	
	<hr/>	\$569,335 81
		<hr/>

TEMPORARY LOANS.

CREDIT.

Balance from 1883		\$135,000 00
Cash, borrowed by authority of the city council, on city notes, as follows ; viz. : —		
March 29, Warren Institution for Savings, on six months, at $3\frac{1}{2}$ per cent,	\$75,000 00	
March 29, Maverick National Bank, on six months, at $3\frac{3}{4}$ per cent	75,000 00	
June 25, Warren Institution for Savings, on five months, at $4\frac{1}{2}$ per cent,	50,000 00	
	<hr/>	
<i>Amounts carried forward</i>	\$200,000 00	\$135,000 00

<i>Amounts brought forward</i> . . .	\$200,000 00	\$135,000 00
June 28, Cambridge Savings Bank, on five months, at 5 per cent . . .	50,000 00	
July 14, Warren Institution for Sav- ings, on four months, at 5 per cent, . . .	25,000 00	
Aug. 29, Warren Institution for Sav- ings, on three months, at 4 per cent, . . .	50,000 00	
Aug. 29, Boston Five Cents Savings Bank, on three months, at $4\frac{1}{4}$ per cent	25,000 00	
Sept. 30, Warren Institution for Sav- ings, on six months, at 4 per cent, . . .	50,000 00	
Sept. 30, Commonwealth of Massa- chusetts, on six months, at 4 per cent	50,000 00	
Nov. 29, Commonwealth of Massa- chusetts, on six months, at $3\frac{1}{2}$ per cent	75,000 00	
	<hr/>	525,000 00
		<hr/>
		\$660,000 00

DEBIT.

Cash, paid the following named : —

March 29, Warren Institution for Sav- ings, note dated Sept. 29, 1883 . . .	\$60,000 00	
April 26, Boston Five Cents Savings Bank, note dated Oct. 26, 1883 . . .	25,000 00	
Aug. 29, Warren Institution for Sav- ings, note dated Dec. 29, 1883 . . .	50,000 00	
Oct. 2, Warren Institution for Sav- ings, note dated March 29, 1884 . . .	75,000 00	
Oct. 2, Provident Institution for Sav- ings, note dated March 29, 1884 . . .	75,000 00	
Nov. 14, Warren Institution for Sav- ings, note dated July 14, 1884 . . .	25,000 00	
Nov. 25, Warren Institution for Sav- ings, note dated June 25, 1884 . . .	50,000 00	
Nov. 28, Cambridge Savings Bank, note dated June 28, 1884	50,000 00	
	<hr/>	
<i>Amounts carried forward</i> . . .	\$410,000 00	\$660,000 00

<i>Amounts brought forward</i>	\$410,000 00	\$660,000 00
Nov. 29, Warren Institution for Sav- ings, note dated Aug. 29, 1884	50,000 00	
Nov. 29, Boston Five Cents Savings Bank, note dated Aug. 29, 1884	25,000 00	
	<hr/>	
	\$485,000 00	
Balance to credit in account, 1885	175,000 00	
	<hr/>	\$660,000 00
		<hr/> <hr/>

WATER-SERVICES.

CREDIT.

Cash, received of F. M. Burrows, pipe and fittings	\$1 65
Dexter F. Bennett, hose-bib	75
George H. Burckes, service materials	2 15
Charles S. Butters, " "	8 70
Hiram R. Bishop, pipe and fittings	16 90
Osmon D. Baker, " " "	10 40
Daniel L. Demmon, labor and fittings	3 15
Estate of Cutler Downer, labor and fittings	32 05
Heirs of William Delay, service-box	5 75
J. F. Davlin, old forge	10 00
Alexander Foster, labor and fittings	4 35
S. F. Frost, repairing service	2 00
Martin Gill, labor, etc.	2 40
M. W. Hennessey, fittings	3 25
E. B. Morgan, service-box, etc.	2 50
Dennis O'Connell, repairs, etc.	1 75
William R. Otis, valve, etc.	3 50
Odd Fellows' Association, service-box, etc.	2 50
Charles Powers, pipe and fittings	14 91
William E. Plummer, pipe and fittings	6 00
W. H. Quincey & Co., service ma- terials	15 28
Daniel L. Stillson, pipe-fittings, etc.	26 36
Albion Towle, " "	15 80
	<hr/>
<i>Amount carried forward</i>	\$192 10

<i>Amount brought forward</i>	\$192 10	
William Veazie, labor and fittings	11 45	
A. Webster, " " "	17 66	
William P. Walker, repairs	5 20	
City of Malden, pipe	10 00	
Unitarian Church, repairs	12 98	
Watering streets account, labor on stand-pipes, etc.	90 30	
Lincoln Schoolhouse account, labor on service-pipe	2 50	
Sewers account, labor and materials	61 33	
	<hr/>	\$403 52
Water-service assessments, pipes laid, cost of service		3,943 31
		<hr/>
		\$4,346 83

DEBIT.

Cash, paid laborers	\$1,539 08	
Ward & Curley, fittings	573 00	
Sumner & Goodwin, "	527 98	
Walworth Manufacturing Company, fittings	457 51	
Dodge, Haley, & Co., fittings	21 38	
Chapman Valve Manufacturing Company, valves	40 95	
Boston Belting Company, washers	30 83	
Davis & Farnham Manufacturing Company, service-boxes	160 65	
Dalton & Ingersoll, fittings	20 79	
Somerville Iron Foundry, clamps	40 05	
G. B. Blake, wrench	2 85	
A. J. Wilkinson, tools	2 87	
Chadwick Lead-works, lead pipe, etc.	100 97	
Braman, Dow, & Co., iron pipe, etc.	8 11	
George D. Goodrich & Co., drain-pipe,	77	
J. C. Chamberlain, pipe-joiner	6 00	
F. B. Austin & Co., solder	2 25	
Fuller, Dana, & Fitz, coppers	90	
Hugh Finnegan, "	4 00	
	<hr/>	<hr/>
<i>Amounts carried forward</i>	\$3,540 94	\$4,346 83

<i>Amounts brought forward</i>	\$3,540 94	\$4,346 83
Charles Holmes & Son, plumbing	38 01	
Cook, Rymes, & Co., blacksmithing	36 40	
George H. Lomax, filling trench	6 13	
S. J. Wood, filing saws	50	
Philip Eberle, rubber boots	5 50	
J. McCarty, charcoal	4 00	
Hooper, Lewis, & Co., stationery	7 75	
Barker & Tibbetts, expressing	17 85	
Hill & Langtry, harness	36 00	
F. Ivers & Son, buggy	150 00	
	<hr/>	
	\$3,843 08	
Water maintenance, balance transferred	503 75	
	<hr/>	
		<u>\$4,346 83</u>

WATER-SERVICE ASSESSMENTS.

CREDIT.

Cash, received of sundry persons for water-services		\$4,146 30
Balance to debit in account, 1885		654 81
		<hr/>
		\$4,801 11

DEBIT.

Balance from 1883	\$857 80	
Water-services, service-pipes laid in 1884	3,943 31	
	<hr/>	
		<u>\$4,801 11</u>

WATER MAINTENANCE.

CREDIT.

Appropriations, amount assessed		\$14,000 00
Cash, received of Frank Herrick, old iron	\$15 42	
John Peabody, manure	5 00	
George W. Durell, condemned pipe	5 22	
F. L. Temple, " "	14 32	
Maurice Terry, repairing pipe, etc.	1 00	
Paul Kelley, " " "	6 75	
James M. Burckes, " " "	2 50	
	<hr/>	
<i>Amounts carried forward</i>	\$50 21	<u>\$14,000 00</u>

<i>Amounts brought forward</i>	\$50 21	\$14,000 00
Patrick Terry, repairing pipe, etc.	3 62	
Middlesex Bleachery, repairing pipe, etc.	3 00	
Charles A. Mongan, puddling	2 00	
John P. Squire & Co., labor and materials	3 67	
John P. Squire & Co., pipe, etc.	103 28	
Charles H. North & Co., " "	418 67	
McLean Asylum, pipe-hydrants, etc.	248 15	
City of Malden, branches, etc.	5 67	
" Chelsea, pipe	91 00	
Town of Arlington, clamps	9 62	
American Tube Works, labor and materials,	19 67	
Cunningham & Co., lining pipe	14 24	
George W. Ireland, part cost of pipe in Preston Street	83 90	
L. E. Cotton, part cost of pipe in Belmont Street	32 50	
L. W. Dow, part cost of pipe in Fairmount Avenue	45 15	
A. A. Perry, agent, part cost of pipe in Winthrop Avenue	50 00	
Charles Linnehan, damage to hydrant,	50 00	
Fuel and street-lights account, repairing fountain	2 45	
	<hr/>	
	\$1,236 80	
Water-services, transferred	503 75	1,740 55
		<hr/>
		\$15,740 55
DEBIT.		
Cash, paid laborers	\$8,042 48	
Nathaniel Dennett, salary as superintendent	1,500 00	
James T. Cummings, salary as clerk of board	100 00	
Davis & Farnham Manufacturing Company, castings	798 14	
	<hr/>	
<i>Amounts carried forward</i>	\$10,440 62	\$15,740 55

<i>Amounts brought forward</i>	\$10,440 62	\$15,740 55
Somerville Iron Foundry, castings	319 66	
W. O. Barbour & Co., “	26 64	
F. B. Austin & Co., iron	1,306 99	
Chapman Valve Company, hydrants, etc.	403 80	
R. Pattee & Co., hydrant-fittings	26 25	
Coffin Valve Company, hydrants and gates	173 00	
Boston Machine Manufacturing Com- pany, gates	110 55	
Union-square Carriage Company, re- pairs	34 45	
James S. Newhall & Company, valves, etc.	41 50	
Sumner & Goodwin, pipe, fittings, etc.,	76 58	
Watson & Bisbee, plugs	2 80	
Boston Steel-wire Brush Company, wire brushes	3 75	
Burdett & Williams, padlocks	7 00	
Walworth Manufacturing Company, iron pails	12 75	
Morrill & Allen, machine-work	11 61	
Bubier & Co., gutter	2 70	
Dodge, Haley, & Co., files	15 92	
Boston Nut Company, bolts	12 30	
Henry McAvoy, cask	3 00	
McLean Asylum, old hydrants	14 50	
City of Malden, pipe	22 05	
“ Cambridge, castings	24 84	
Sewall & Day Cordage Company, rope,	34 01	
Union Glass Company, lantern-glasses	10 45	
P. T. O’Brine, “	4 19	
F. G. Winnett, lamp fillers and lighters,	6 00	
Ames Plow Company, shovels	36 34	
A. J. Wilkinson & Co., tools	19 83	
Henry B. Newhall & Co., hammers	1 88	
Hall Rubber Company, rubber mittens,	10 80	
<i>Amounts carried forward</i>	\$13,216 76	\$15,740 55

<i>Amounts brought forward</i>	\$13,216 76	\$15,740 55
J. C. Gillis, rubber boots	10 50	
Horatio Wellington & Co., cement, etc.	713 74	
L. G. Burnham & Co., " "	50 75	
J. McCarty & Son, charcoal	9 60	
J. F. Brine, fuel	3 00	
W. M. Hadley, fuel	22 40	
Isburgh & Co., sleigh	26 00	
Hill & Langtry, carriage-robe	7 50	
John Clarey, lumber	34 11	
E. D. Sawyer & Co., lumber	77 16	
Edward Fitzgerald, sand	49 30	
T. F. Crimmings, "	3 20	
E. S. Conant & Co., salt	10 20	
Edwin I. Train & Co., powder and fuse,	3 25	
Downer Kerosene-oil Company, oil	2 00	
James Huggins, black varnish	22 50	
W. B. Plimpton, polish	1 10	
Hosmer, Crampton, & Hammond, hay,	121 76	
Whitaker, Lennon, & Bishop, hay and grain	49 50	
J. E. Whitaker & Co., hay and grain	101 57	
Hewey, Skillings, & Co., straw, etc.	7 11	
Fulton O'Brion " "	35 43	
Charles B. Edgerly, oats	86 30	
H. W. Raymond, hardware	68 82	
Howe & Flint, "	2 34	
George Dunbar & Co., hardware	6 00	
S. J. Wood, fitting keys	2 70	
J. H. Brooks, duck	5 25	
Charles Bartley, supplies	7 34	
Thomas Hollis, drugs	4 65	
Dr. J. E. Abbott, veterinary services	4 00	
New-England Telephone and Tele- graph Company, rentals, etc.	94 55	
F. E. Studley, telephone-messages	2 20	
J. O. Hayden & Co., printing	20 25	
Hooper, Lewis, & Co., stationery	10 75	
<i>Amounts carried forward</i>	\$14,893 59	\$15,740 55

<i>Amounts brought forward</i>	\$14,893 59	\$15,740 55
G. M. Hopkins, atlas	12 00	
E. Spalding, repairing harnesses	32 33	
G. M. J. Wilson, repairing harnesses	1 25	
Seward Dodge, blacksmith-work	94 21	
Cook, Rymes, & Co., "	78 52	
A. J. Morse & Son, repairing pump	1 00	
Charles Maguire, horseshoeing	63 00	
J. Leland, wheelwright-work	11 25	
Charles Holmes & Son, plumbing	75	
S. T. Kirkpatrick, carpenter-work	1 50	
F. R. Cutter, repairing clock	2 50	
Sewers account, repairs	59 72	
Barker & Tibbetts, expressing	19 60	
W. J. London, "	1 95	
J. C. Warren, teaming	19 00	
John Manning, "	6 94	
Cambridge Gas-light Company, gas	26 23	
City of Boston, water-rates	22 41	
A. & E. Burton, brush	75	
Philip McGovern, compensation for damages	60 00	
L. Morrison, compensation for damages,	30 00	
A. A. Green, " " "	9 75	
	<hr/>	
	\$15,448 25	
Excess and deficiency, balance to credit of account	292 30	
	<hr/>	
		<u>\$15,740 55</u>

WATERING STREETS.

CREDIT.

Appropriations, amount assessed	\$3,000 00
Cash, received from sundry persons, as their propor- tional part of the cost of watering	3,790 30
	<hr/>
<i>Amount carried forward</i>	\$6,790 30

Amount brought forward \$6,790 30

DEBIT.

Cash, paid Christopher Burke, watering	\$384 60
T. F. Crimmings, "	403 20
Charles-river Street Railroad Company, watering (1883)	153 00
J. F. Elkins, watering	415 60
Martin Gill, "	386 00
John Hickey, "	379 60
George F. McKenna, watering	438 80
John McCauley, "	369 60
John Welch, "	404 60
A. M. Prescott, "	460 40
Boston Belting Company, hose	23 51
John T. Ayer, lumber	23 78
H. W. Raymond, hardware	53 94
Lemuel Baxter & Son, leather	1 43
Seward Dodge, blacksmithing	325 07
F. Dooris, "	19 30
George H. Dodd, "	3 15
J. Leland, wheelwright-work	2 50
J. A. Durell, repairs	48 50
Howe & Flint, "	1 65
W. J. Slade & Son, tank-work	70 00
Water-service account, stand-pipes, etc.	90 30
Highways account, watering, etc.	125 83
J. O. Hayden & Co., advertising	12 00
City of Boston, water	2,190 82

—————
\$6,787 18

Excess and deficiency, balance to credit of
account 3 12

—————
\$6,790 30

WATER-LOAN INTEREST.

CREDIT.

Cash, received of city of Boston, return on
water-rates : —

1883, 40 per cent on \$6,219 65 .	. \$2,487 86	
1884, 15 " " 20,000 00 .	. 3,000 00	
" 20 " " 10,000 00 .	. 2,000 00	
" 25 " " 10,000 00 .	. 2,500 00	
" 30 " " 10,000 00 .	. 3,000 00	
" 40 " " 17,745 23 .	. 7,098 09	
	<hr/>	\$20,085 95

DEBIT.

Cash, paid interest on water-loan bonds:—

\$1,000, nine months at 5 per cent .	\$37 50
229,000, one year " 5 "	. 11,450 00
70,000, one " " 5½ "	. 3,850 00
20,000, one " " 6 "	. 1,200 00
15,000, six months " 6½ "	. 487 50

\$17,025 00

Excess and deficiency, balance to credit of

account 3,060 95

\$20,085 95

TABLE D.

BALANCES DEC. 31, 1884.

Cash	\$13,071 33	
Excess and deficiency		\$13,758 46
Funded debt		1,585,000 00
Hanover Fire-insurance Company	3,000 00	
Lincoln Schoolhouse		2,966 87
Overlay and abatement		6,045 37
Overplus on tax-sales		102 13
Property and debt balance	384,809 04	
Public property	1,200,190 96	
Public-library building		2,090 69
Public library		25 00
Real-estate liens	73 58	
State of Massachusetts, State aid	3,574 00	
“ “ indigent soldiers and sailors	472 00	
Sidewalk assessments	917 27	
Sewer assessments	10,109 35	
Sundry persons		1,473 94
Schoolhouse on Tufts Street		2,773 11
Schoolhouse on School Street		1,288 88
Temporary loans		175,000 00
Taxes	173,652 11	
Water-service assessments	654 81	
	<u>\$1,790,524 45</u>	<u>\$1,790,524 45</u>

REPORT

OF THE

COMMISSIONERS OF THE SINKING-FUNDS.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Feb. 11, 1885.

Referred to the committee on printing, to be printed in the annual reports.
Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Feb. 11, 1885.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

REPORT

OF THE

COMMISSIONERS OF THE SINKING-FUNDS.

IN BOARD OF COMMISSIONERS OF THE SINKING-FUNDS,
Jan. 26, 1885.

To the Honorable the Mayor and the City Council of the City of Somerville.

GENTLEMEN, — The undersigned present herewith the ninth annual report of the condition of the sinking-funds of the city : —

The amount of the funds, Jan. 1, 1884, as per the eighth annual report was	\$438,133 19
The increase during the year 1884 was : —	
Contribution by the city for the year	45,525 00
Interest on investments in city bonds, \$389,000 one year, and \$1,000 nine months, at 5 per cent, and \$44,500 one year at 5½ per cent	\$21,935 00
Interest on deposits in banks	259 33
	22,194 33
Total sinking-funds, Jan. 1, 1885	\$505,852 52

Invested as follows : —

In bonds of the city of Somerville, \$459,500 at 5 per cent, and \$44,500 at 5½ per cent	\$504,000 00
Deposited in banks, and drawing interest	1,852 52
	\$505,852 52

The several sinking-funds are :—

City-loan maturity of 1885 . . .	\$53,698 79	
“ “ “ 1895 . . .	387,001 73	
Sewer-loan maturity of 1896 . . .	10,518 00	
Water-loan maturity of 1905 . . .	51,982 00	
“ “ “ 1906 . . .	1,432 00	
“ “ “ 1907 . . .	1,220 00	
	<hr/>	\$505,852 52
		<hr/> <hr/>

Respectfully submitted.

NATHAN TUFTS,	} <i>Commissioners.</i>
HENRY F. WOODS,	
E. D. CONANT,	

REPORT
OF
THE SCHOOL COMMITTEE.

CITY OF SOMERVILLE.

IN SCHOOL COMMITTEE, Dec. 21, 1884.

The superintendent submitted his annual report, which was read and accepted. It was voted that the committee adopt the report now submitted by the Superintendent of the Public Schools, and present it to their fellow-citizens as the report of the school committee for the year 1884.

J. H. DAVIS, *Secretary.*

IN BOARD OF ALDERMEN, Jan. 28, 1885.

Referred to the committee on printing, to be printed in the annual reports. Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Jan. 28, 1885.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

BOARD OF SCHOOL COMMITTEE, 1884.

HON. JOHN A. CUMMINGS,
Mayor, Chairman, *ex officio*.

JOSIAH B. MAYHEW,
President of Common Council, *ex officio*.

WARD ONE.

JOHN H. BUTLER	Term expires 1884
HENRY M. MOORE	“ “ 1885
HORACE C. WHITE, M.D.	“ “ 1886

WARD TWO.

OREN S. KNAPP	Term expires 1884
REV. GEORGE W. DURELL	“ “ 1885
MRS. CORNELIA B. SKINNER	“ “ 1886

WARD THREE.

HENRY F. WOODS	Term expires 1884
NORMAN W. BINGHAM	“ “ 1885
QUINCY E. DICKERMAN	“ “ 1886

WARD FOUR.

MARTIN W. CARR	Term expires 1884
PROFESSOR BENJAMIN G. BROWN	“ “ 1885
HORACE P. MAKECHNIE, M.D.	“ “ 1886

J. H. DAVIS,
Superintendent and Secretary.

STANDING COMMITTEES, 1884.

High School.

MESSRS. WHITE, BROWN, DURELL, BINGHAM, BUTLER, DICKERMAN.

East Somerville Schools.

MESSRS. WHITE, MOORE, BUTLER.

Prospect-hill Schools.

MESSRS. KNAPP, DURELL; MRS. SKINNER.

Winter-hill Schools.

MESSRS. BINGHAM, WOODS, DICKERMAN, MAYHEW.

Spring-hill Schools.

MESSRS. CARR, BROWN, MAKECHNIE.

West Somerville Schools.

MESSRS. BROWN, MAKECHNIE, CARR.

Evening Schools.

MESSRS. DICKERMAN, MOORE; MRS. SKINNER.

Examination of Teachers.

MESSRS. BROWN, BUTLER, MAKECHNIE.

Text-Books.

MESSRS. DURELL, BINGHAM, KNAPP, WHITE, CARR.

Repairs and Heating-Apparatus.

MESSRS. MOORE, KNAPP, MAYHEW, CARR.

School-Supplies.

MESSRS. WOODS, CARR.

Fuel.

MESSRS. MAYHEW, DURELL, MAKECHNIE.

Music.

MESSRS. DURELL, BINGHAM; MRS. SKINNER.

Finance.

MESSRS. KNAPP, MOORE.

Drawing and Penmanship.

MESSRS. DICKERMAN, WOODS, BUTLER.

Salaries.

MESSRS. KNAPP, BUTLER, WOODS, MOORE, CARR.

Approval of Private Schools.

MESSRS. BUTLER, KNAPP, BINGHAM, MAKECHNIE.

Examination of First Class.

MESSRS. BROWN, MOORE.

Examination of Second Class.

MESSRS. WHITE, DURELL.

Examination of Third Class.

MESSRS. BINGHAM, CARR.

Examination of Fourth Class.

MESSRS. DICKERMAN, MAYHEW.

Examination of Fifth Class.

MESSRS. MAKECHNIE, KNAPP.

Examination of Sixth Class.

MESSRS. BUTLER, WOODS; MRS. SKINNER.

BOARD OF SCHOOL COMMITTEE, 1885.

HON. MARK F. BURNS,
Mayor, Chairman, *ex officio*.

HERBERT C. HALL,
President of the Common Council, *ex officio*.

WARD ONE.

HENRY M. MOORE	Term expires 1885
HORACE C. WHITE, M.D.	“ “ 1886
JOHN H. BUTLER	“ “ 1887

WARD TWO.

REV. GEORGE W. DURELL	Term expires 1885
MRS. CORNELIA B. SKINNER	“ “ 1886
CHARLES I. SHEPARD	“ “ 1887

WARD THREE.

NORMAN W. BINGHAM	Term expires 1885
Q. E. DICKERMAN	“ “ 1886
WILLIAM P. HILL	“ “ 1887

WARD FOUR.

PROFESSOR BENJAMIN G. BROWN	Term expires 1885
H. P. MAKECHNIE, M.D.	“ “ 1886
MARTIN W. CARR	“ “ 1887

J. H. DAVIS,
Superintendent and Secretary.

STANDING COMMITTEES, 1885.

High School.

MESSRS. WHITE, BROWN, DURELL, BINGHAM, BUTLER, DICKERMAN.

East Somerville Schools.

MESSRS. MOORE, BUTLER, WHITE.

Prospect-hill Schools.

REV. MR. DURELL, MRS. SKINNER, MR. SHEPARD.

Winter-hill Schools.

MESSRS. DICKERMAN, HILL, BINGHAM.

Spring-hill Schools.

MESSRS. CARR, MAKECHNIE, HALL.

West Somerville Schools.

MESSRS. MAKECHNIE, CARR, BROWN.

Evening Schools.

MESSRS. DICKERMAN, MOORE, BROWN; MRS. SKINNER.

Examination of Teachers.

MESSRS. BROWN, BUTLER, MAKECHNIE.

Text-Books.

MESSRS. BINGHAM, DURELL, WHITE, CARR, BUTLER.

Repairs and Heating-Apparatus.

MESSRS. MOORE, SHEPARD, CARR, HALL.

School-Supplies.

MESSRS. CARR, HALL.

Fuel.

MESSRS. HALL, DURELL, MAKECHNIE.

Music.

MESSRS. DURELL, BINGHAM; MRS. SKINNER.

Finance.

MESSRS. MOORE, CARR.

Drawing and Penmanship.

MESSRS. DICKERMAN, BUTLER, SHEPARD.

Salaries.

MESSRS. BUTLER, MOORE, CARR, BROWN, DURELL.

Approval of Private Schools.

MESSRS. MAKECHNIE, BINGHAM, BUTLER, SHEPARD.

Examination of First Class.

MESSRS. DURELL, WHITE, MAKECHNIE, BINGHAM.

Examination of Second Class.

MESSRS. BROWN, MOORE.

Examination of Third Class.

MESSRS. DICKERMAN, CARR.

Examination of Fourth Class.

MESSRS. BUTLER, HILL.

Examination of Fifth Class.

MRS. SKINNER, MR. HALL.

Examination of Sixth Class.

MESSRS. MAKECHNIE, SHEPARD.

SUPERINTENDENT'S REPORT.

To the School Committee of Somerville.

IN accordance with your instructions, the following report is respectfully submitted.

Our fellow-citizens have a rightful claim upon us for all the information we can communicate in regard to the management, advancement, and standing of the schools which they have placed under our supervision. Hence, in what follows, we have endeavored to be as explicit as the proper brevity of a school report will warrant.

In relation to the educational interests of our city, the year just closing has been one of marked prosperity. All the agencies usually employed to promote the education of the young have been in successful operation, and apparent results bear a favorable comparison with those of former years. Since, however, there is no standard whereby moral influences can be measured, and the full value of education, to its possessor, is above computation, it is apparent that the real work accomplished by the schools cannot be estimated and reported.

SUMMARY OF STATISTICS.

Population of the city, United States census, 1880	24,985
Population of the city in May, 1882, as ascertained by the truant-officer	25,725
Estimated population at the present time	30,000
Number of persons in the city between five and fifteen years of age, on the first day of May last	6,032
In Ward One	1,736
" Two	2,023
" Three	1,108
" Four	1,165
Increase for the year	554
Number between eight and fourteen years	3,577

Valuation of the city, May 1, 1884	\$24,331,100
Real estate	\$22,587,700
Personal estate	1,743,400
Rate of taxation . . . . .	.0166
Estimated value of school property	\$376,325

EXPENDITURES FROM JAN. 1, 1884, TO JAN. 1, 1885.

BY THE SCHOOL COMMITTEE.

Salaries of teachers and superintendent	\$74,512 77
Janitors' salaries	3,489 83
Truant-officers' salaries	350 00
Water	689 34
Gas	63 44
Text-books	7,325 00
Writing-books	390 00
Drawing-books	525 00
Printing	249 60
Stationery and other supplies	1,785 00
Miscellaneous	1,229 68
	<hr/>
Total expenditures	\$90,609 66

RECEIPTS.

Tuition of non-resident pupils	217 50
	<hr/>
Net expenditures	\$90,392 16
	<hr/> <hr/>

SCHOOLS.

SCHOOL SESSIONS. — Previous to the present year, there were a morning session of the grammar and primary schools each school-day, and an afternoon session each school-day except Wednesday and Saturday. In accordance with the wishes of a large majority of the citizens, the rule pertaining to school sessions was changed in January last. Since that time, the grammar and the primary schools have had a morning session and an afternoon session each school-day except Saturday.

ADDITIONAL SCHOOLS. — Nine new schools have been established during the year, — one grammar school in Winter Hill district, two grammar schools in East Somerville district, two grammar schools

and two primary schools in Prospect Hill district, and one grammar school and one primary school in West Somerville district.

Since September, the additional school in Winter Hill district has occupied the wardroom in the Forster School-house. Two schools in Prospect Hill district have been accommodated in buildings located on Somerville Avenue.

The first and second classes of the Highland School occupied the same school-room previous to the present school-year ; but, at the beginning of this year, the second class required a separate room. To provide for it, the ninth class was transferred from the Highland School-house to rooms in Clarendon Block, and placed under the instruction of two teachers.

The three schools that had occupied the Lincoln School-house are accommodated in buildings situated on Holland Street.

HALF-TIME SCHOOLS. — In consequence of inadequate accommodations, it has been necessary to restrict the attendance of pupils of four primary schools, in East Somerville district, to one session a day, since the beginning of the school-year in September last, thus making two school-rooms suffice for four schools. Two of these schools have been in attendance each morning session, and the remaining two each afternoon session, alternating each succeeding month. The teachers of the four schools have been constantly employed, two in each school-room ; consequently, the restricted pupils have received the same amount of instruction in the one session each day that they would have received in two sessions with one teacher, and have sustained comparatively small loss by this arrangement.

Two of these schools, and the school which has been accommodated in a hired room on Tufts Street, will be transferred to the new building situated on that street.

The constant increase in the number of schools and pupils since the organization of Somerville, in 1842, is shown by the following exhibit : —

1842 :	number of schools,	6 ;	number of pupils,	293
1854 :	“ “ “	20 ;	“ “ “	931
1869 :	“ “ “	48 ;	“ “ “	2,511
1872 :	“ “ “	59 ;	“ “ “	2,932
1875 :	“ “ “	77 ;	“ “ “	3,685
1879 :	“ “ “	84 ;	“ “ “	4,500
1882 :	“ “ “	89 ;	“ “ “	5,102
1884 :	“ “ “	101 ;	“ “ “	6,032

The average annual increase in the number of schools for forty-two years has been 2.26 ; for the last twelve years, 3.5 ; and for the last four years, 4.75.

Whole number of schools at the present time	102
high school	1
grammar schools	56
primary "	45
Increase for the year	9

SCHOOL-HOUSES.

REPAIRS AND IMPROVEMENTS. — The janitor's apartments have been removed from the basement of the Forster School-house, and a ward-room has been prepared in their place. A new steam-boiler has been placed in the basement of the Prescott School-house. The water-closets, which were constructed in the basement of the Highland School-house, have been removed. The walls and ceilings of many school-rooms have been renovated, and the outside of the Beech-Street School-house has been painted. Closets have been provided in the several school buildings for the safe keeping of books and school supplies.

Our thanks are due to the committee on public property, and to Col. Walker, Superintendent of Public Buildings, for their prompt attention to the numerous and ever-recurring wants of the schools, and for the care and labor bestowed upon the several school buildings.

NEW BUILDINGS. — Two wooden buildings, each containing four school-rooms, have been constructed within the year, — one on Tufts Street in Ward One, and the other on School Street in Ward Two.

At the beginning of the winter term, Jan. 5th, four schools will occupy the building on Tufts Street, and three the building on School Street.

THE LINCOLN SCHOOL-HOUSE, constructed on Elm Street in 1866, and moved to Clarendon Hill in 1881, was destroyed by fire Oct. 22d.

TABLE SHOWING THE LOCATION, DATE OF ERECTION, ESTIMATED VALUE, AND CAPACITY OF THE SEVERAL SCHOOL BUILDINGS.

NAME.	LOCATION.	When erected.	No. of feet in lot.	Estimated value.	No. of school-rooms.
High	Highland Avenue	1871	-	\$44,000	4
Forster	Sycamore Street	1866	32,693	41,500	12
Prescott	Pearl Street	1867	21,444	42,000	12
Edgerly	Cross Street	1871	26,428	43,100	8
Davis	Tufts Street	1884	29,584	-	4
Luther V. Bell	Vinal Avenue	1874	22,262	43,000	12
Prospect Hill	Washington Street	1848	25,313	20,600	6
Cummings	School Street	1884	11,300	-	4
Brastow	Medford Street	1861	10,019	6,250	2
Bennett	Joy Street	1868	20,560	8,300	4
Jackson	Poplar Street	1861	11,212	8,300	4
Webster	Webster Avenue	1868	11,050	8,300	4
Union	Prospect Street (Before	1842	9,360	2,600	1
Morse	Summer Street	1869	29,109	26,000	7
Beech Street	Beech Street (Purchased	1872	6,000	4,750	2
Spring Hill	Rear of Harvard Street	1850	4,991	1,700	1
Franklin	Somerville Avenue	1846	33,017	14,300	4
Harvard	Beacon Street	1851	9,810	2,600	1
Highland	Highland Avenue	1880	23,260	33,000	8
Cedar Street	Cedar Street	1843	-	800	2
				\$400,000	102

ADDITIONAL ACCOMMODATIONS.

At the close of last year, there were in the city three vacant school-rooms, and one school was occupying a hired room on Tufts Street. During the year, two buildings, containing eight school-rooms, have been constructed; and one building of four school-rooms has been destroyed by fire. The increase in our school population has created the necessity for the establishment of ten new schools. At the beginning of the next term of the schools, Jan. 5, there will be two vacant school-rooms, five schools in hired school-rooms, one school in the basement of the Forster School-house, and one in a very unsuitable room in the basement of the Morse School-house.

In the near future, additional primary-school accommodations will be required in the eastern section of Ward One, the southern section of Ward Two, the western section of Ward Three, and the central section of Ward Four.

In addition to the building now in process of construction, to supply the place of the Lincoln School-house, two new buildings of the capacity of those which have been constructed this year will be required next year, — one to be located on or near Lowell Street, and

north of the Lowell Railroad ; the other, near the intersection of Summer Street and Willow Avenue.

Early in the coming spring, a room will be required for the accommodation of a school which must be formed to relieve the primary schools in the Bennett and Jackson school-houses ; and another, for the relief of the primary schools in the Beech Street and Spring Hill school-houses.

ADDITIONAL SCHOOL DISTRICT. — Each succeeding year, the necessity for a re-adjustment of the school districts, and the establishment of an additional grammar-school centre, becomes more urgent. When the Lincoln Grammar School was established, in 1867, there were thirty-four schools, five school districts, and five grammar masters. Since that time, the number of schools has increased threefold ; but no addition has been made to the number of districts, and the number of grammar masters remains the same. There are as many schools in Prospect Hill district alone, at the present time, as there were in the entire city seventeen years ago ; and the number of schools in the two districts comprising the south-eastern section of the city is greater than the whole number in the city in 1872, when the first city government was inaugurated.

Were the population of the city equally distributed over its territory, five school districts and five grammar masters would be sufficient for our one hundred and one grammar and primary schools. Twenty schools to a district are not excessive. The best arrangement yet devised for convenience and efficiency, is a district containing twelve grammar schools, under the supervision of a grammar master, and accommodated in one building centrally located, and nine primary schools situated near the homes of the pupils. That number of schools will furnish, ordinarily, a first class of about fifty pupils for the principal and his assistant, — a number that can be well instructed in one room. Any increase of that number detracts seriously from the advantages which pupils should receive during the year in which they are members of the first class, — the most important year, doubtless, of their entire public-school course.

As our districts are now constituted, fifty-nine and one-half per cent of the pupils in our public schools reside in two of the five school districts, and thirty-six per cent in one of them. The number of pupils in the first class of the grammar schools in each of the several districts varies from thirty to eighty-six.

TABLE SHOWING THE NUMBER OF SCHOOLS, TEACHERS, AND PUPILS IN THE SEVERAL SCHOOL DISTRICTS.

DISTRICTS.	No. of Schools.	No. of Teachers.	No. of Pupils.	No. in First Class.	Average No. to a School.
Prospect Hill	35	36	1,687	86	48
East Somerville	23	24	1,079	57	47
Spring Hill	15	16	664	30	44
West Somerville	14	15	636	38	45
Winter Hill	14	15	618	35	44
Total	101	106	4,684	246	46.37

TEACHERS.

Nine teachers have resigned during the year, and twenty-two have been elected. Of the latter number, four were teaching as substitutes at the beginning of the year, nine were elected for the new schools, and nine to fill vacancies caused by resignations.

ELECTED.

Mr. Henry C. Parker, principal of the Morse School.
 Miss Stella Hall, teacher in the Morse School.
 Miss Agnes L. Adams, teacher in the Forster School.
 Miss Lizzie F. Clement, teacher in the Forster School.
 Miss Mary L. Lewis, teacher in the Prescott School.
 Miss Fannie F. Fuller, teacher in the Edgerly School.
 Miss Frances J. Emerson, teacher in the Luther V. Bell School.
 Miss Elvira Morrill, teacher in the Luther V. Bell School.
 Miss Annie Coffin, teacher in the Luther V. Bell School.
 Miss Nellie M. Richardson, teacher in the Luther V. Bell School.
 Miss Lucy E. Clark, teacher in the Prospect Hill School.
 Miss Helen M. Dodge, teacher in the Brastow School.
 Miss Hattie A. Cheney, teacher in the Bennett School.
 Miss Annie E. Crimmings, teacher in the Jackson School.
 Miss Mary L. Longfellow, principal of the Webster School.
 Miss Helen M. Meade, teacher in the Beech Street School.
 Miss Emma J. Rowley, teacher in the Spring Hill School.
 Miss Alice E. Gage, teacher in the Highland School.
 Miss Hallie M. Hood, teacher in the Clarendon Hall School.
 Miss Susie A. Mattoon, teacher in the Lincoln School.
 Miss Nora F. Byard, teacher in the Forster School.
 Miss Lena G. Allen, teacher in the Jackson School.

RESIGNED.

Mr. Frank F. Murdock, principal of the Morse School.
Miss Corinne Harrison, teacher in the Morse School.
Miss Harriet A. Holbrook, teacher in the Morse School.
Miss Mary E. Wild, teacher in the Forster School.
Miss Alice T. Couch, teacher in the Forster School.
Miss Alice E. Furber, teacher in the Spring Hill School.
Miss Lillian F. Howe, teacher in the Luther V. Bell School.
Miss Lizzie D. Harding, teacher in the Brastow School.
Miss Nellie M. Richardson, teacher in the Luther V. Bell School.

The teachers who have resigned were doing successful work in their respective places. Mr. Murdock, the very efficient and highly esteemed principal of the Morse School, resigned at the close of the school year to accept a position as teacher in the State normal school at Bridgewater. Mr. Parker, who succeeded Mr. Murdock, has taught several years, in different parts of the State, with marked success. He has an excellent record, and is taking high rank among our teachers.

Being fully persuaded that we can confer no greater blessing upon our pupils than to place over them teachers of superior merit, we endeavor to exercise great caution in our selections and labor to procure the best talent that our inducements will secure. The frequency of resignations, however, and the demands of new schools, render the maintenance of a high standard of excellence in our teaching force a difficult task. Forty-five teachers have been elected within the last two years, and sixty-eight within the last three years.

Teachers sustain a most intimate and vital relation to their work. Their schools bear the impress of their characters, and become unerring exponents of their ability and efficiency. The standing of the schools of any community is a sure index of the character of the teachers who conduct them: hence the necessity for the exercise of extreme care in their selection and appointment.

In promoting the education of the young, commodious school-rooms, suitable text-books and apparatus, and ample supplies are important and desirable auxiliaries; but zealous, conscientious, intelligent, experienced teachers are indispensable requisites. President Garfield, in referring to an eminent and highly honored teacher, made the following enthusiastic declaration: "I would rather spend four years with him in a shanty, than the same period surrounded by the best appliances of the German universities."

It is cause for congratulation, that our teachers, with scarcely an exception, are faithful, earnest, and effective. A large proportion of them are performing their work with the skill and efficiency that result from liberal endowments and long and varied experience. They are progressive: they diligently seek, and promptly apply, the most highly approved methods of instruction and general management. We bespeak for them the continuance of the confidence and co-operation which have been awarded them hitherto by all classes of the community.

Of the whole number of teachers in our public schools, forty-eight are graduates of our high school; twenty-five have attended normal schools, and twenty-one are graduates of those schools.

Whole number of teachers	115
Male teachers, 8; female teachers, 107.	
Number of teachers in the high school	8
Male teachers, 2; female teachers, 6.	
Number of teachers in the grammar schools	61
Male teachers, 5; female teachers, 56.	
Number of teachers in the primary schools	45
One teacher of vocal music.	

SCHOOLS AND TEACHERS.

SCHOOLS.	TEACHERS.	Salaries.	When Elected.
High	George L. Baxter	\$2,400	1867
"	Frank M. Hawes	1,800	1879
"	Sarah W. Fox	1,050	1868
"	Sarah F. Litchfield	850	1880
"	Fannie W. Kaan	850	1882
"	Eudora Morey	800	1882
"	Minnie C. Clark	800	1882
"	Laura E. Giddings	700	1882
Forster	John S. Hayes	1,800	1878
"	Mary E. Northup	625	1878
"	Mary E. Stiles	600	1883
"	Ellen H. Wilde	600	1882
"	Frances M. Guptill	600	1869
"	Lizzie F. Clement	600	1884
"	Agnes L. Adams	575	1884
"	Alice A. Batchelor	575	1877
"	Addie S. Winnek	575	1883
"	Martha H. Pennock	550	1873
"	Leila V. Colby	550	1879

SCHOOLS AND TEACHERS—*Continued.*

SCHOOLS.	TEACHERS.	Salaries.	When Elected.
Forster . . .	Annie S. Gage . . .	\$550	1883
" . . .	Lizzie G. Perry . . .	550	1878
" . . .	Nora F. Byard . . .	300	1884
Prescott . . .	G. A. Southworth . . .	1,900	1873
" . . .	Anna M. Bates . . .	700	1874
" . . .	Adelaide Reed . . .	650	1877
" . . .	Clara G. Fogg . . .	600	1883
" . . .	Emma M. Cate . . .	600	1882
" . . .	Mary L. Lewis . . .	600	1884
" . . .	Abbie A. Anderson . . .	600	1878
" . . .	Amelia I. Sears . . .	600	1873
" . . .	Catharine T. Brown . . .	575	1868
" . . .	Clara Taylor . . .	575	1871
" . . .	Sarah E. Pratt . . .	600	1877
" . . .	Elgina M. Plummer . . .	550	1877
" . . .	Lillian Nealley . . .	550	1882
" . . .	Florence M. Morton . . .	500	1882
Edgerly . . .	Frank P. Hudson . . .	800	1877
" . . .	Hattie M. Pierce . . .	575	1882
" . . .	Harriette H. Winslow . . .	575	1881
" . . .	Fannie F. Fuller . . .	575	1884
" . . .	Anna L. Prescott . . .	550	1873
" . . .	H. V. Hathaway . . .	550	1875
" . . .	Clara M. Bagley . . .	550	1873
" . . .	Ada Cowles . . .	550	1875
" . . .	Florence A. Robinson . . .	550	1883
Tufts Street . . .	Lucretia A. Burns . . .	550	1882
Luther V. Bell . . .	Robert Bickford . . .	1,800	1879
" " . . .	Abbie C. Hunt . . .	625	1873
" " . . .	Elvira Morrill . . .	600	1884
" " . . .	Minnie H. Marden . . .	600	1876
" " . . .	Frances J. Emerson . . .	600	1884
" " . . .	Ellen M. Gooding . . .	600	1868
" " . . .	May E. Berry . . .	600	1880
" " . . .	Fannie A. Wilder . . .	600	1874
" " . . .	Emma F. Schuh . . .	600	1874
" " . . .	Anna M. Snow . . .	575	1866
" " . . .	Lydia J. Page . . .	575	1869
" " . . .	Augusta M. Houghton . . .	550	1877
" " . . .	Eliza L. Schuh . . .	500	1882
" " . . .	Kate L. O'Brien . . .	350	1883
" " . . .	Annie Coffin . . .	300	1884
Prospect Hill . . .	Helen Tincker . . .	650	1872
" " . . .	Nellie A. Hamblin . . .	500	1882
" " . . .	Ellen Ledyard . . .	575	1874
" " . . .	Mary B. Currier . . .	550	1873
" " . . .	Lucy E. Clark . . .	300	1884
" " . . .	Charlotte I. Houghton . . .	550	1875

SCHOOLS AND TEACHERS — *Concluded.*

SCHOOLS.	TEACHERS.	Salaries.	When Elected.
Brastow . . .	Sarah E. Pennock . . .	\$575	1871
“ . . .	Helen M. Dodge . . .	300	1884
Bennett . . .	Augusta A. Roberts . . .	625	1861
“ . . .	Maria Miller . . .	550	1870
“ . . .	Isadore E. Taylor . . .	350	1883
Jackson . . .	Annie E. McCarty . . .	625	1880
“ . . .	Maud M. Hobson . . .	550	1879
“ . . .	Annie E. Crimmings . . .	300	1884
“ . . .	Lena G. Allen . . .	300	1884
Webster . . .	Mary L. Longfellow . . .	625	1884
“ . . .	Clara J. Whittemore . . .	550	1883
“ . . .	Annie L. Savage . . .	550	1873
Union . . .	Isabella M. Prince . . .	550	1876
Morse . . .	Henry C. Parker . . .	1,600	1884
“ . . .	Mina J. Wendell . . .	625	1882
“ . . .	Stella Hall . . .	600	1884
“ . . .	Pauline S. Downes . . .	600	1872
“ . . .	Anna E. Sawyer . . .	600	1873
“ . . .	Ella F. Gould . . .	600	1882
“ . . .	Mary A. Haley . . .	575	1868
“ . . .	Laura J. Brooks . . .	575	1883
Beech Street . . .	Mary E. Bosworth . . .	575	1882
“ “ . . .	Helen M. Meade . . .	550	1884
Spring Hill . . .	Emma J. Rowley . . .	550	1884
Franklin . . .	Hattie A. Hills . . .	650	1874
“ . . .	Emeline C. Summerhayes . . .	575	1876
“ . . .	Anna C. Damon . . .	550	1879
“ . . .	Caroline S. Plimpton . . .	550	1859
Harvard . . .	Annie E. Robinson . . .	550	1876
Highland . . .	George E. Nichols . . .	1,600	1877
“ . . .	Lilla A. Hayward . . .	675	1881
“ . . .	Alice E. Gage . . .	600	1884
“ . . .	Jennie Colburn . . .	600	1875
“ . . .	Lizzie J. Conwell . . .	600	1873
“ . . .	S. Adelaide Blood . . .	575	1882
“ . . .	Annie R. Cox . . .	575	1883
“ . . .	Alice P. Lord . . .	550	1881
“ . . .	Sarah E. Pray . . .	550	1878
“ . . .	Carrie M. Smith . . .	550	1882
“ . . .	Hallie M. Hood . . .	350	1884
Lincoln . . .	Mary A. Paul . . .	600	1879
“ . . .	Alice B. Chadwick . . .	575	1883
“ . . .	Susie A. Mattoon . . .	350	1884
Cedar Street . . .	Alice Simpson . . .	550	1872
“ “ . . .	Alice M. Porter . . .	550	1880
Teacher of Music . . .	S. H. O. Hadley . . .	1,333	1868

PUPILS.

The average annual increase in the school population of Somerville, since its organization in 1842, has been 130 ; and, for the last ten years, 263.

Number of pupils in attendance in January	4,753
“ “ persons in the city between five and fifteen years of age, on the first day of May last, as ascer- tained by the truant-officer	6,032
Increase for the year	554
Number between eight and fourteen years of age	3,577
“ in attendance in December	4,984
“ in the high school	300
“ “ grammar schools	2,479
“ “ primary “	2,205
Number over fifteen years of age in December	461
Whole number registered during the year	6,014

TABLE SHOWING THE NUMBER OF PUPILS IN EACH OF THE THIRTEEN CLASSES IN DECEMBER, THE AVERAGE AGE OF PUPILS IN EACH CLASS, AND THE PER CENT THAT THE NUMBER IN EACH CLASS IS OF THE NUMBER IN ALL THE CLASSES.

GRADE.	Class.	Boys.	Girls.	Total.	Average Age.	Per cent.
High . . .	First . . .	19	29	48	18 years 6 mos.	.963
“ . . .	Second . . .	26	36	62	17 “ 6 “	1.244
“ . . .	Third . . .	27	49	76	16 “ 6 “	1.525
“ . . .	Fourth . . .	47	67	114	15 “ 9 “	2.287
Grammar . . .	First . . .	112	134	246	14 “ 10 “	4.935
“ . . .	Second . . .	127	141	268	14 “ 2 “	5.377
“ . . .	Third . . .	169	165	334	13 “ 1 “	6.701
“ . . .	Fourth . . .	249	210	459	12 “ 2 “	9.209
“ . . .	Fifth . . .	293	219	512	11 “ 4 “	10.273
“ . . .	Sixth . . .	377	283	660	10 “ 5 “	13.242
Primary . . .	Seventh . . .	321	243	564	9 “ 3 “	11.317
“ . . .	Eighth . . .	402	287	689	8 “ 2 “	13.825
“ . . .	Ninth . . .	556	396	952	6 “ 6 “	19.102
Total . . .	. . .	2,725	2,259	4,984	. . .	100.000

ATTENDANCE.

Average whole number in all the schools for the year . . .	4,804.2
high school	273.2
grammar schools	2,419.5
primary "	2,111.5
Average attendance in all the schools for the year . . .	4,533.6
high school	265.0
grammar schools	2,307.4
primary "	1,961.2
Per cent of attendance in all the schools for the year . . .	94.4
high school	97.0
grammar schools	95.4
primary "	92.9
Number of tardinesses in all the schools for the year . . .	2,706
high school	281
grammar schools	1,021
primary "	1,404
Number of dismissals in all the schools for the year . . .	2,251
high school	592
grammar schools	953
primary "	706

MONTHLY REPORTS OF THE TRUANT-OFFICERS.

1884.	Cases Investigated.	Cases of Truancy.	No. placed on Probation.	No. sent to House of Reformation.
January	22	10	-	3
February	11	6	1	-
March	19	8	1	-
April	15	7	2	1
May	25	13	-	-
June	13	6	-	-
September	17	10	-	-
October	15	7	-	2
November	20	11	-	-
December	11	6	-	-
Total	168	84	4	6

WM. H. BRINE, }
 JAIRUS MANN, } *Truant-Officers.*

PRIMARY SCHOOLS.

In methods of instruction, and in general management and efficiency, marked and important advances have been effected in the schools of this grade during the last twenty years. When I entered upon my duties as superintendent, in 1866, all pupils of primary schools were without desks, and were subjected to great inconvenience and discomfort in consequence. The tedious and irksome alphabet method of teaching reading was universally practised. There was no slate-work, and no instruction in writing and drawing. Very little was done to interest children, or to enliven the tedium of their school-life. Much of the time and energies of teachers were applied to the maintenance of order, and the repression of the activities of pupils who were nearly destitute of congenial employment.

At the present time, all school-rooms occupied by primary schools are supplied with comfortable and convenient furniture, and, by means of pictures and other devices, are made pleasant and attractive. Pupils are provided with interesting employment, and in various ways their school life is made an agreeable and profitable pastime.

When children are pleasantly employed, they are easily controlled. From many of our primary schools, corporal punishment is nearly excluded; and in several of them no case has occurred for a series of years. Under the present *régime*, time is economized also. Much more is accomplished in forty weeks of twenty-five hours of school-time, than formerly in forty-two weeks of thirty hours each. When pupils of the primary schools are promoted to the grammar schools, they have made creditable advances in all the rudiments of learning usually taught in those schools, and are well prepared to prosecute advantageously the grammar-school course.

Number of primary schools	45
“ of pupils in January	2,168
“ admitted during the year	519
“ promoted to the grammar schools	482
“ in attendance in December	2,205
Average number to a teacher	50
Number registered during the year	2,965

EXHIBIT OF THE PRIMARY SCHOOLS.

SCHOOLS.	TEACHERS.	Average Whole No.	Average Attendance.	Per cent of Attendance.
Forster . .	M. H. Pennock . .	43.7	41.5	95.0
" . .	L. V. Colby . .	45.2	42.8	94.8
" . .	A. S. Gage . .	45.6	43.0	94.3
" . .	L. G. Perry . .	49.2	44.7	90.9
" . .	N. F. Byard . .	40.3	38.6	90.7
Prescott . .	S. E. Pratt . .	50.9	48.3	95.0
" . .	E. M. Plummer . .	52.0	48.9	93.9
" . .	Lillian Nealley . .	52.3	48.5	92.8
Edgerly . .	A. L. Prescott . .	51.0	48.8	95.6
" . .	H. V. Hathaway . .	48.9	46.8	95.7
" . .	C. M. Bagley . .	51.8	48.4	93.4
" . .	Ada Cowles . .	48.4	43.6	90.2
Tufts Street . .	L. A. Burns . .	35.7	33.5	94.0
" " . .	F. A. Robinson . .	48.2	45.6	94.6
" " . .	F. M. Morton . .	49.9	45.8	91.8
L. V. Bell . .	Kate L. O'Brien . .	60.4	55.6	92.0
" . .	Augusta M. Houghton . .	58.4	54.0	92.4
" . .	Eliza L. Schuh . .	67.0	61.7	92.0
Prospect Hill . .	M. B. Currier . .	41.1	38.8	94.2
" " . .	L. E. Clark . .	47.8	45.0	94.1
" " . .	C. I. Houghton . .	51.7	48.1	93.0
Brastow . .	H. M. Dodge . .	49.8	45.9	92.1
Bennett . .	Maria Miller . .	49.8	46.4	93.2
" . .	M. S. Turner . .	51.0	46.6	91.3
" . .	I. E. Taylor . .	54.5	48.2	88.4
Jackson . .	M. M. Hobson . .	45.5	42.6	93.6
" . .	L. G. Allen . .	58.8	52.6	89.4
" . .	A. E. Crimmings . .	59.5	56.5	93.3
Webster . .	C. J. Whittemore . .	36.5	33.5	91.7
" . .	A. L. Savage . .	51.3	47.5	92.6
Union . .	I. M. Prince . .	39.9	37.8	94.8
Beech Street . .	M. E. Bosworth . .	40.6	39.2	96.5
" " . .	H. M. Meade . .	45.3	43.2	95.3
" " . .	E. J. Rowley . .	47.4	44.8	94.5
Franklin . .	A. C. Damon . .	45.0	42.2	93.3
" . .	C. S. Plimpton . .	51.8	50.7	97.8
Harvard . .	A. E. Robinson . .	44.0	39.8	90.4
Highland . .	A. P. Lord . .	42.7	40.1	93.8
" . .	S. E. Pray . .	45.9	43.0	93.6
" . .	C. M. Smith . .	49.4	45.7	92.5
" . .	H. M. Hood . .	24.7	22.2	90.0
Lincoln . .	S. A. Mattoon . .	57.0	50.0	87.7
Cedar Street . .	Alice Simpson . .	39.5	37.0	93.6
" " . .	Alice M. Porter . .	42.1	33.7	80.0
Total . .	. . . . .	2,111.5	1,961.2	92.9

GRAMMAR SCHOOLS.

The schools of this grade are wisely directed, skilfully and faithfully instructed, and are making commendable advances in the various studies pursued. They contain about one-half of all the pupils in our public schools, and are always justly regarded with special interest and solicitude. The six years required for the completion of the work assigned to these schools constitute an interesting and most important period of life,—a period in which character is easily moulded, and habits of lifelong continuance are contracted and confirmed.

The studies pursued in the grammar schools are indispensable as a basis for higher courses of instruction, and embrace subjects a knowledge of which is not only helpful, but essential to the successful prosecution of the ordinary avocations of life. Hence, they are of vital importance to all classes of the community.

Our estimate of the value of these schools is enhanced by a consideration of the fact that a very large proportion of our school population do not pursue a more advanced course of study, but terminate their period of pupilage when they leave the grammar schools. It is ascertained from a computation based upon the averages of ten years, that only twenty-eight per cent of the pupils who enter the grammar schools complete the entire course, and graduate; seventeen per cent enter the high school; and seven per cent complete the high-school course, and graduate.

At the close of the school year, in June, one hundred seventy-five pupils were graduated at the several grammar schools:—

From the Prescott School, 54: boys, 25; girls, 29.

“ L. V. Bell “ 50: “ 23; “ 27.

“ Forster “ 26: “ 12; “ 14.

“ Morse “ 26: “ 13; “ 13.

“ Highland “ 19: “ 3; “ 16.

Number promoted to the first class in June	.	.	.	.	196
“ “ “ second class in June	.	.	.	.	260
“ “ “ third “ “	.	.	.	.	384
“ “ “ fourth “ “	.	.	.	.	356
“ “ “ fifth “ “	.	.	.	.	451
“ “ “ sixth “ “	.	.	.	.	482

One hundred eleven of the graduates from the grammar schools entered the high school in September : —

From the Prescott School, 31 : boys, 14 ; girls, 17.

“ L. V. Bell “ 26 : “ 11 ; “ 15.

“ Forster “ 19 : “ 8 ; “ 11.

“ Highland “ 18 : “ 3 ; “ 15.

“ Morse “ 17 : “ 8 ; “ 9.

Number of grammar schools	56
Increase for the year	6
Number of pupils in January	2,311
“ received from the primary schools	482
“ in attendance in December	2,479
Average number to a school	44
Number over fifteen years of age in December	193
“ registered during the year	2,648

EXHIBIT OF THE GRAMMAR SCHOOLS.

SCHOOLS.	TEACHERS.	Average Whole No.	Average Attendance.	Per cent of Attendance.
Forster . . .	J. S. Hayes . . .	32.7	31.4	95.9
“ . . .	M. E. Stiles . . .	38.2	36.3	95.0
“ . . .	E. H. Wilde . . .	43.6	41.8	95.8
“ . . .	F. M. Guptill . . .	42.7	40.7	95.3
“ . . .	L. F. Clement . . .	37.5	35.8	95.3
“ . . .	A. L. Adams . . .	42.1	39.5	93.9
“ . . .	A. A. Batchelor . . .	48.1	45.4	94.2
“ . . .	A. S. Winnek . . .	38.3	35.9	93.7
Prescott . . .	G. A. Southworth . . .	54.8	53.8	98.1
“ . . .	Adelaide Reed . . .	33.2	32.0	96.3
“ . . .	C. G. Fogg . . .	33.6	32.5	96.1
“ . . .	E. M. Cate . . .	37.3	35.8	96.0
“ . . .	M. L. Lewis . . .	38.3	37.1	96.7
“ . . .	A. A. Anderson . . .	48.8	46.6	95.4
“ . . .	A. I. Sears . . .	47.4	45.5	96.0
“ . . .	C. T. Brown . . .	48.1	45.8	95.3
“ . . .	Clara Taylor . . .	53.7	50.9	94.7
Edgerly . . .	F. P. Hudson . . .	40.2	39.2	97.4
“ . . .	H. M. Pierce . . .	48.9	47.4	96.7
“ . . .	H. H. Winslow . . .	54.2	52.8	97.4
“ . . .	F. F. Fuller . . .	51.4	48.9	95.1
Luther V. Bell . . .	Robert Bickford . . .	74.1	72.0	97.1
“ . . .	M. H. Marden . . .	44.1	42.6	96.6
“ . . .	F. J. Emerson . . .	40.5	38.2	94.3
“ . . .	E. M. Gooding . . .	45.7	43.0	94.2

EXHIBIT OF THE GRAMMAR SCHOOLS—*Concluded.*

SCHOOLS.	TEACHERS.	Average Whole No.	Average Attendance.	Per cent of Attendance.
Luther V. Bell .	M. E. Berry . . .	48.6	46.9	96.4
“ “ .	F. A. Wilder . . .	45.6	44.2	96.9
“ “ .	E. F. Schuh . . .	45.7	44.3	96.9
“ “ .	A. M. Snow . . .	53.4	52.0	97.3
“ “ .	L. J. Page . . .	60.0	57.8	96.3
“ “ .	N. M. Richardson . . .	45.5	44.0	96.7
Prospect Hill .	Helen Tincker . . .	42.5	39.6	93.0
“ “ .	N. A. Hamblin . . .	44.8	41.0	91.5
“ “ .	Ellen Ledyard . . .	50.4	47.1	93.5
Brastow . . .	S. E. Pennock . . .	50.6	47.5	93.9
Bennett . . .	A. A. Roberts . . .	41.1	38.7	97.0
Jackson . . .	A. E. McCarty . . .	51.4	48.0	93.2
Webster . . .	M. L. Longfellow . . .	29.4	26.4	90.0
Morse . . .	H. C. Parker . . .	28.2	26.4	93.6
“ . . .	Stella Hall . . .	30.6	29.3	95.7
“ . . .	P. S. Downes . . .	45.5	44.7	98.2
“ . . .	A. E. Sawyer . . .	45.6	43.6	95.6
“ . . .	E. F. Gould . . .	52.0	48.4	93.1
“ . . .	M. A. Haley . . .	40.4	38.6	95.5
“ . . .	L. J. Brooks . . .	32.0	30.8	96.2
Franklin . . .	H. A. Hills . . .	32.2	31.2	94.0
“ . . .	E. C. Summerhayes . . .	38.4	35.4	92.2
Highland . . .	G. E. Nichols . . .	47.2	45.5	96.4
“ . . .	A. E. Gage . . .	40.4	38.9	96.2
“ . . .	Jennie Colburn . . .	48.1	44.8	93.1
“ . . .	L. J. Conwell . . .	48.4	46.0	95.1
“ . . .	S. A. Blood . . .	52.0	48.0	92.4
“ . . .	A. R. Cox . . .	47.9	46.3	96.6
Lincoln . . .	M. A. Paul . . .	26.2	25.4	96.0
“ . . .	A. B. Chadwick . . .	37.9	35.7	94.2
		2,419.5	2,307.4	95.4

GRAMMAR MASTERS AND THEIR TERM OF SERVICE.

PRINCIPALS.	SCHOOLS.	FROM—	To—
William E. Graves .	Prospect Hill .	April 23, 1842,	Oct., 1846.
George Swan .	Low Winter Hill,	“ 1844,	Sept., 1851.
William E. Graves .	Franklin .	Oct., 1846,	Aug., 1852.
Martin Draper, jun. .	Prospect Hill .	“ 1846,	May, 1852.
Robert Bickford .	Prescott .	Sept., 1851,	March, 1852.
McLaurin F. Cook .	“ .	April, 1852,	Nov., 1853.
Charles S. Lincoln .	Prospect Hill .	May, 1852,	April, 1853.
Oren S. Knapp .	“ .	“ 1853,	Feb., 1864.
George T. Littlefield .	Franklin .	Oct., 1852,	Sept., 1867.
H. O. Whittemore .	Prescott .	Nov., 1853,	Aug., 1854.
Daniel B. Wheeler .	“ .	Sept., 1854,	“ 1859.
John Jameson .	Forster .	Feb., 1855,	Jan., 1860.
John Wilson .	Prescott .	Aug., 1859,	Feb., 1872.
Edward W. Howe .	Forster .	Jan., 1860,	Aug., 1864.
George R. Bradford .	Prospect Hill .	March, 1864,	May, 1866.
Charles G. Pope .	Forster .	Aug., 1864,	Sept., 1870.
Samuel C. Hunt .	Prospect Hill .	May, 1866,	“ 1874.
Horace P. Makechnie .	Lincoln .	Jan., 1867,	“ 1877.
George R. Bradford .	Franklin .	Sept., 1867,	Feb., 1868.
John D. Marston .	“ .	March, 1868,	Nov., 1869.
William B. Allen .	Morse .	Nov., 1869,	July, 1877.
George R. Bradford .	Forster .	Sept., 1870,	“ 1878.
Augustus Linfield .	Prescott .	March, 1872,	May, 1872.
Luther B. Pillsbury .	“ .	June, 1872,	July, 1873.
Gordon A. Southworth .	“ .	Sept., 1873.	
Samuel C. Hunt .	Luther V. Bell .	“ 1874,	July, 1876.
Samuel C. Higgins .	“ “ .	“ 1876,	“ 1879.
John S. Hayes .	Forster .	“ 1878.	
Robert Bickford .	Luther V. Bell .	“ 1879.	
Charles C. Hunkins .	Morse .	“ 1877,	Jan., 1882.
George E. Nichols .	Lincoln .	“ 1877,	July, 1881.
George E. Nichols .	Highland .	“ 1881.	
William M. Stevens .	Morse .	Jan., 1882,	Feb., 1883.
Frank F. Murdock .	“ .	Feb., 1883,	July, 1884.
Henry C. Parker .	“ .	Sept., 1884.	

HIGH SCHOOL.

As early in our history as 1647, the General Court of Massachusetts Colony passed an ordinance making education universal and free, and requiring every town containing one hundred families to maintain a grammar school, to be kept by a master who "should be able to instruct youth so far as they may be fitted for the University."¹

In compliance with statute requirements, the citizens of Somerville, so early as 1851, inaugurated measures for the erection of a building and the establishment of a high school. The first high-school house was formally dedicated April 28, 1852; and, on the third day of May following, a school composed of sixty-one pupils, selected from the several grammar schools, was established.

In 1860, two courses of study, each requiring four years for its completion, were adopted, — a regular course, including the study of the Latin language; and a course preparatory to college. The adoption of these courses of study was the introduction of a new and most prosperous era of the school, during which it has constantly increased in numbers, efficiency, and popular favor.

In 1862 diplomas of graduation were first awarded. In 1870 an English course of four years was adopted. Since the school was organized, 2,227 persons have enjoyed its advantages; and since 1862, 564 have graduated. Of the graduates, 133 completed the course preparatory to college, and 11 entered the School of Technology.

It is the constant aim of the school board to make the school as profitable as possible to all persons who avail themselves of its privileges, and to secure the highest good of the greatest number. The three courses of study — English, Regular, and Classical — most admirably and fully meet the wants of those who pursue either of them to completion. Many pupils who do not complete either course, enter the school with the intention of graduating, and consequently, during their connection with it, pursue some one of the regular courses of study.

Since their aims are various, and the time of their continuance in the school is uncertain, no definite course of study can be arranged that will be adapted to those who enter the school with no intention of graduating, but who desire to supplement the grammar-school course and to remain in the school as long as circumstances will

¹ The existing law, pertaining to the maintenance of high schools, was passed in 1826.

permit. But great liberality is exercised towards this class of pupils. They are permitted to elect, from the various studies pursued in the school, such as will be of the highest practical value to them in their contemplated pursuits in life.

Whole number of different pupils during the year	401
Largest number at one time	315
Number admitted during the year	128
From our grammar schools	111
From other schools	17
Number graduated	46
“ of graduates who entered college	10
“ who entered U. S. Military Academy at West Point	1
“ who entered the School of Technology	2
“ who have left the school during the year, exclusive of graduates	54
Whole number at the present time	300
Number over fifteen years of age	268
“ in course preparatory to college	85
“ pursuing the regular course	174
“ pursuing the English course	41
“ in the first class on entering the school	94
“ at the present time	48
“ in the second class on entering the school	111
“ at the present time	62
“ in the third class on entering the school	96
“ at the present time	76
“ in the fourth class on entering the school	122
“ at the present time	114

The class graduated in June last contained 97 members on entering the school in 1880 ; 79 at the beginning of the second year ; 51 at the beginning of the third year ; and 46 at the beginning of the fourth year.

Seven of the graduates entered Tufts College ; two, Harvard College ; one, Dartmouth College ; two, the Institute of Technology ; two, the Salem Normal School ; and one, the United States Military Academy at West Point.

Forty-two per cent of all the pupils who entered the school from 1858 to 1880 inclusive, completed the course, and graduated.

THIRTY-SECOND ANNUAL EXHIBITION OF THE SOMERVILLE
HIGH SCHOOL, TUESDAY, JUNE 24, 1884, AT 9 O'CLOCK A.M.

ORDER OF EXERCISES.

SINGING¹. — CHORUS: The Heavens are telling.
(With orchestra and organ.)

"Creation."

1. SALUTATORY IN LATIN (Hexameter verse). J. W. H. WALDEN.
2. ESSAY. "*A Soul of Goodness in Things Evil.*" LILLIAN F. AYER.
3. DECLAMATION. Wendell Phillips. *Curtis.*
J. FRED GALLETLY.
4. READING. Joel pops the Question. *Cape Cod Folks.*
MINNIE L. DESPEAUX.

SINGING. — UNISON SOLO: Dormi pure (male voices). *Scuderi.*
UNISON SOLO: Bedouin Love Song (female voices). *Pinsuti.*

5. READING. The Sioux Chief's Daughter. *Joaquin Miller.*
M. LIZZIE GILES.
6. DIE WIEDERHOLUNG (The Rehearsal). (Original. English by
Annabel M. Perry.)
LOTTIE M. EDLEFSON, GERTRUDE ELLIS, F. GERTRUDE LEACH,
ELENORA H. HITTINGER.

7. READING. Norah Murphy and the Spirits. *Hatton.*
REBECCA S. BELL.

SINGING. — PART SONG: Forsaken. *Koschat.*
SEMI-CHORUS: On the Mountain. *Swiss.*

8. FROM HENRY IV., PART I. (Original Version in Greek.)
ROBERT C. BROWN, FRANK E. HUNTRESS,
ALBERT C. ROBINSON, HARVEY P. TOWLE.
9. READING. The Peril of the Mines.
JOSEPHINE S. SULLIVAN.
10. ORIGINAL CONTRIBUTIONS. JAMES W. BEAN.

RECESS.

MUSIC. — Overture "Stradella." *Flotow.*

SINGING. — From "Tannhauser." *Wagner.*

(a) March (orchestra alone).

(b) Chorus.

¹ Accompanied by Hadley's Orchestra.

11. ESSAY. *Bread and Circuses.* LUCY F. SMITH.
12. LE MAGNÉTISEUR (The Mesmerist). (Original. English by Annie Coffin.)
 MARY E. DRAKE, IDA F. FILLEBROWN, HATTIE G. FITZ,
 FANNIE L. GWYNN, ADDIE A. HODSDON, ALICE T. MUNROE,
 FREDERIC U. BURROWS, JAMES B. MCGRATH, HAROLD P. PALMER.
 C. FRED SMITH, AMOS E. WOODWARD,
13. READING. Jamie.
 GERTA M. COLBY.
14. CLASS POEM. *Her Level Best.* ANNIE COFFIN.
 SINGING.—SEMI-CHORUS: Song of the Birds (Instrumentation by S. Henry Hadley). *Rubinstein.*
 HUMOROUS GLEE: Humpty Dumpty. *Caldicott.*
15. FATA PRIAMI. *Virgil.*
 CHARLES L. YOUNG.
16. PROPHECIES. WILLIAM E. BRIGHAM.
17. VALEDICTORY. ADDIE M. BROWN.
18. PRESENTATION OF DIPLOMAS. By J. H. DAVIS, *Supt.*
19. PARTING HYMN.

MEMBERS OF THE GRADUATING CLASS.

Rebecca Strong Bell.
 Annie Maria Blake.
 Addie May Brown.
 Annie Coffin.
 Gerta Mignon Colby.
 Mary Augusta Colson.
 Minnie Louise Despeaux.
 Mary Elizabeth Drake.
 Lottie Maynard Edlefson.
 Gertrude Ellis.
 Ida Florence Fillebrown.
 Hattie Gertrude Fitz.
 Mary Lizzie Giles.
 Fannie Lee Gwynn.
 Elenora Hattie Hittinger.
 Addie Alfreda Hodsdon.

Florence Gertrude Leach.
 Etta May McLean.
 Edith Melissa Miles.
 Alice Towne Munroe.
 Annabel Maude Perry.
 Lucinda Truesdale Sands.
 Lucy Fairfield Smith.

William Erastus Brigham.
 Frederic Ulysses Burrows.
 James Frederic Galletly.
 James Bernard McGrath.
 Harold Payson Palmer.
 Charles Frederic Smith.
 Amos Erastus Woodward.

COURSE PREPARATORY TO COLLEGE.

James William Bean.
 Robert Calthrop Brown.
 Edward Simpson Eaton.
 Harry Gordon.
 Frank Elias Huntress.
 Albert Carmi Robinson.
 Walter Herbert Smith.
 Frank Skinner Stone.

Harvey Parker Towle.
 John William Henry Walden.
 Charles Lowell Young.
 Florence Bertha Ashley.
 Lillian Frances Ayer.
 Georgie Leighton Blood.
 Josephine Smith Sullivan.
 Mary Carlisle Worden.

TEACHERS OF THE HIGH SCHOOL SINCE ITS ORGANIZATION, AND THEIR TERM OF SERVICE.

PRINCIPALS.	ASSISTANTS.	FROM —	TO —
Robert Bickford,		May 3, 1852,	March, 1854.
	Elizabeth C. Babcock	“ 1852,	Dec., 1853.
	Charlotte Gardner	Dec., 1853,	June, 1854.
	Rebecca F. Ames	“ 1853,	Dec., 1854.
Leonard Walker,		March, 1854,	Sept., 1856.
	Maria A. Merriam	Aug., 1854,	“ 1856.
	Agnes Gillis	Dec., 1854,	“ 1856.
Samuel J. Pike		Sept., 1856,	Aug., 1858,
	Lucy A. Dudley	1856,	“ 1858.
	Sarah C. Cushman	Feb., 1857,	“ 1857.
	Lydia A. Pierce	Sept., 1857,	“ 1858.
Isaac N. Beals		Aug., 1858,	“ 1859.
	George C. Brackett	“ 1858,	April, 1860.
H. H. Babcock		“ 1859,	Aug., 1867.
	Harriet E. Reed	April, 1860,	“ 1867.
	Harriet E. Guild	May, 1860,	“ 1861.
	Elizabeth S. Owen	Sept., 1861,	June, 1862.
	Sarah L. Graves	“ 1865,	July, 1862.
George L. Baxter,		Aug., 1867.	
	Susan R. Osgood	“ 1867,	Feb., 1868.
	Mary E. Davis	“ 1867,	May, 1875.
	Sarah W. Fox	Feb., 1868.	
	Annette E. Long	Sept., 1869,	July, 1882.
	Walter F. Marston	Oct., 1871,	“ 1875.
	William S. Forrest	Sept., 1875,	“ 1878.
	Julia A. Stetson	“ 1876,	“ 1879.
	Luther B. Pillsbury	“ 1878,	“ 1879.
	Frederick Farnsworth	“ 1879,	“ 1880.
	Frank M. Hawes	“ 1879.	
	Sarah F. Litchfield	“ 1880.	
	Kate W. Cushing	“ 1880,	July, 1882.
	Fannie W. Kaan	“ 1882.	
	Eudora Morey	“ 1882.	
	Minnie C. Clark	“ 1882.	
	Laura E. Giddings	“ 1882.	

EVENING SCHOOLS.

The following are the public statutes relating to the establishment and maintenance of evening schools.

CHAPTER 44.

SECT. 7. Any town may, and every city and town having more than ten thousand inhabitants shall, annually make provision for giving free instruction in industrial or mechanical drawing to persons over fifteen years of age, in either day or evening schools, under the direction of the school committee. [*Enacted in 1870.*]

CHAPTER 174.

SECTION 1. Every town and city having ten thousand or more inhabitants shall establish and maintain, in addition to the schools required by law to be maintained therein, evening schools for the instruction of persons over twelve years of age in orthography, reading, writing, geography, arithmetic, drawing, the history of the United States, and good behavior. Such other branches of learning may be taught in such schools as the school committee of the town shall deem expedient.

SECT. 2. The school committee of such towns shall have the same superintendence over such evening schools as they have over other schools, and may determine the term or terms of time in each year, and the hours of the evening, during which such schools shall be kept, and may make such regulations as to attendance at such schools, as they may deem expedient.

SECT. 4. This act shall take effect upon its passage. [*Approved May 14, 1883.*]

Our experience with evening schools has failed to give us a high estimate of their utility, and has produced the conviction that their continuance, as heretofore, is inexpedient and unwarrantable. But these statutes have placed them upon the same basis as day schools, and have made their maintenance obligatory. Thus guaranteed, they are destined to become a permanent and important part of our public-school system.

Profiting by our failures, the causes of which are apparent, we shall establish and maintain evening schools that will be creditable to the city, and profitable to those who may avail themselves of their advantages. To insure their success, however, they must be made attractive, and be furnished with all the conveniences and appliances of day schools, and must be placed under the direction and instruction of teachers of ability and experience, and who are skilful in organizing and controlling.

Measures will soon be inaugurated to establish, in some central locality, a school for instruction in mechanical and industrial drawing,

and, in different localities, as many grammar schools as may be required.

FREE TEXT-BOOKS AND SUPPLIES.

The following law has been enacted by the Legislature of Massachusetts, and approved by the governor.

SECTION 1. The school committee of every city and town shall purchase, at the expense of said city or town, text-books and other school supplies used in the public schools; and said text-books and supplies shall be loaned to the pupils of said public schools free of charge, subject to such rules and regulations as to care and custody as the school committee may prescribe.

SECT. 2. Pupils supplied with text-books at the time of the passage of this act shall not be supplied with similar books by the committee until needed.

SECT. 3. This act shall take effect upon the first day of August, 1884.

Regulations adopted by the school committee of Somerville, June 23, 1884, for the distribution and care of text-books:—

1. Teachers will see that all text-books which belonged to pupils March 28, 1884, are used by them until worn out.

2. Teachers are responsible for all books furnished them for the use of their classes. They will make an entry of them when they are received, in a book provided for the purpose, and will account for them to the superintendent at the close of each school-year.

3. All books shall be labelled, numbered, and charged to pupils before they are distributed. Upon the label, in each book, the name of the pupil using the book shall be written.

[FORM OF LABEL.]

PROPERTY OF THE CITY OF SOMERVILLE.

This book is loaned to the pupil on the following conditions:—

1. It is to be carefully used, and not marked or defaced.
2. It is not to be taken from the schoolroom without the consent of the teacher.
3. If lost or injured, it is to be paid for by the pupil using it.

<i>Cost,</i>	<i>cents.</i>	<i>No.</i>	.	<i>School.</i>
<i>To whom loaned,</i>			.	<i>When,</i>

4. As far as practicable, each pupil shall use the same books during his entire course. Books of promoted pupils will be credited to the teachers whom they leave, and charged to their next teachers.

5. Teachers will carefully examine all city books at least once each month, and report all injuries or loss of books, as soon as discovered, to the principal or the superintendent, with the name of the pupils to whom such lost or injured books were loaned.

6. When any book is worn out, or is so injured that it is no longer fit for use, it shall be discharged from the teacher's account.

7. At the close of each school-year, the principal will indicate to the superintendent, upon blanks furnished for the purpose, all text-books and supplies that will be needed for the use of pupils in their respective buildings the next succeeding year. Requests for additional books or supplies during the year must be made by written orders.

8. All books and heavy supplies will be placed in the several school-buildings in such manner as may be determined by the superintendent.

Early in the summer vacation, measures were taken to meet the requirements of this law ; and at the opening of the schools, in September, all books and supplies necessary for their use were in the several school-buildings.

During the year, \$7,325 have been expended for text-books, and \$1,785 for writing-books, drawing-books, stationery, and other school-supplies.

About two-thirds of all the books in the schools, at the present time, belong to the city. In all probability, \$3,000 a year will meet the demand for books the next two years, and \$4,000 a year subsequently. Writing-books, drawing-books, and all school-supplies must be replenished annually. Demands arising from an increase of the school population, and for evening schools, are not included in these estimates.

STUDIES.

We can report satisfactory progress in nearly all the studies pursued in the schools.

SPELLING. — Various expedients are employed in teaching spelling, and satisfactory results are secured. Definite lessons in the spelling-book are assigned each day ; and new words, as they occur in daily work, are studied. Oral spelling receives less attention than written spelling, but is practised each day, and is valued as a vocal exercise.

The following recommendations of Swett, in his "Methods of Teaching," are timely : "Make a judicious combination of oral spelling and written exercises. Oral spelling secures correct pronunciation, and awakens a keener interest in pupils ; written spelling is more practical, but is apt to become wearisome if carried on exclusively. In oral spelling, require pupils to divide words into syllables ; but, in long words, do not require the syllables to be pronounced or repronounced. The teaching of spelling should be so conducted as to unfold something of the meaning of words, and something of the formation of derivative from primitive words and roots. The exercise

then becomes a part of good intellectual training, instead of a blind effort of memory."

READING. — The schools are liberally supplied with reading-books. By much reading, pupils are acquiring a degree of fluency not attained in former years. We need to guard against the tendency to neglect vocal culture. The importance of securing distinct articulation and such a command of the voice that it can readily adapt its force and emphasis to the sense, and its modulations to a proper expression of all the emotions, cannot be overestimated.

WRITING has been well taught in our schools for many years. The results of the present year give no indications of decline in this important art. Compared with former years, no marked improvement is observed in the general appearance of the work performed, but a decided gain has been secured in freedom of movement and rapidity of execution.

DRAWING. — Teachers are becoming more skilful in teaching drawing as the years pass on ; and, as a consequence, a constant improvement in the excellence of the work performed by the pupils is apparent. In several schools very satisfactory progress has been made in drawing from objects. Similar practice in all the grades is strongly recommended.

MUSIC. — Under competent and skilful leadership, and by the earnest, persistent co-operation of the regular teachers, results have been attained in this interesting and important branch of instruction that compare most favorably with the best in any city.

GEOGRAPHY AND HISTORY. — By a careful and discriminating selection of the more important portions of these studies, they are easily completed in the time allotted them, and are pursued with great interest and profit.

MATHEMATICS. — To this department of instruction the following question is applicable : "What is the cause that the former days were better than these?" In rapidity of abstract computations, there has been a decided gain within the past few years ; but in ability to reason, to apply principles to concrete examples, and to solve problems requiring close thinking, a loss has been sustained for which there is no adequate compensation.

Among the causes which have contributed to this degeneracy, the following are apparent: 1. Tendency to underrate the value of mathematics as a disciplinary study. 2. Less attention than formerly to analysis and the mental solution of concrete examples.

3. Undue attention to processes in all work, mental and written, to the exclusion of requiring reasons therefor. 4. Increase in the number of studies pursued, and the consequent diversion of time and attention. 5. Excessive assistance received by pupils from their teachers during their entire course, thereby diminishing the necessity for that independent thinking which is a prime factor in the development of intellectual vigor, acuteness, and activity. Teachers probably feel the necessity of rendering much aid to their pupils, in consequence of the amount of work required of them. But of all the causes of the evil under consideration, the one last mentioned must be regarded as the most potent and the one most to be deprecated. It may be wise to retrace the steps which have led to this divergence from the better way.

PROMOTIONS.

Ninety-two and one-half per cent of all pupils in the high school, and eighty-four per cent of all in the grammar schools, were promoted at the close of the school year, in June last.

The promotion of many meritorious pupils is prevented by irregular attendance, consequent upon their own sickness or the presence of contagious diseases in their homes. Some pupils of good ability and commendable habits require more than the allotted time to complete the work assigned. The advancement of others is prevented by inexcusable irregularity of attendance, and culpable neglect of daily duties.

By mutual agreement, such studies have been selected for the schools, from the almost illimitable range of subjects of knowledge, as seem best suited to develop mental strength and activity, and a knowledge of which is most helpful in the ordinary avocations of life, and in the pursuit of more extended study. Thirteen years are required for healthy pupils, of good school habits, to complete all the work assigned to the public schools. In the apportionment of the work for this series of years, a regular and systematic gradation of studies, corresponding to the known average advancement and development of pupils, is observed ; thus pupils who are regular in attendance, and faithful in the performance of their duties, find, each year, a correspondence between the demands made upon them, and their ability to meet those demands. The acquisitions in knowledge and mental power, consequent upon the accomplishment of the work

assigned to any year, form an essential and sufficient preparation for the successful prosecution of the work assigned to the next succeeding year.

The conditions of promotion, as indicated in the regulations of the school board, give every encouragement of advancement to faithful and punctual pupils : such rarely fail of success.

Premature promotions, so far from being a kindness to pupils, always result in permanent injury. Pupils who find themselves equal to the accomplishment of the work assigned them, and equal to their associates in ability to perform their daily duties, gain thereby confidence, self-reliance, and, what is vastly more important, self-respect. On the contrary, repeated failures, which are an inevitable consequence of premature promotions, unnerve energy, induce discouragement, incompetency, and, what is most to be deprecated, loss of self-respect and commendable independence of thought and feeling.

DISCIPLINE.

Good order is one of the first requisites to harmony and effective school-work. Prompt and implicit obedience to rightful authority must be recognized as an imperative necessity. But in the exercise of the authority granted them for maintaining good government, which is the authority of a parent, teachers should exercise discretion and wise discrimination in regard to the nature of offences and the application of penalties. In all cases, the highest good of the offender and the school should be the governing motive.

Greater the perfection of the machinery, less the friction and expenditure of power to overcome it. In schools that are well organized, wisely directed, and skilfully instructed, occasions for penal discipline rarely occur. In such schools, if pleasant relations exist between teachers and pupils, moral delinquencies are usually remedied by moral influences. Occasionally, however, instances of defiant violations of law and order will occur in the best regulated schools, and must receive summary and decided treatment.

It is gratifying to report the gradual and decided decrease in the number of corporal punishments in the management of our schools. In twenty schools, no case of punishment has occurred during the year. In fifty schools, the average number of punishments to a school for the entire year is two and one-fifth. In all the schools, the number of cases reported this year is only forty per cent, *pro rata*,

of the number reported in 1874. Probably the schools would sustain no loss in order or efficiency were a still greater reduction attempted.

RECITATIONS.

Recitations, when properly conducted, are a most important agency in promoting mental culture. When pupils study lessons with the expectation that they will be required to recite them, then recitations become valuable incentives to industry. Hence, no class or division of a class should be so large as not to give an opportunity to each pupil to recite at every recitation. We therefore commend most cordially the practice, so generally adopted in our schools, of separating classes into divisions for study and recitation. When the divisions are small, recitations are not prolonged to the point of weariness, more time is given for the preparation of lessons, pupils are brought into more intimate relations to their teacher, and their personal responsibility is increased.

The words of teachers who are most effective in conducting recitations are well chosen, but few. The loquacious teacher may please and interest his pupils, but he wastes their time, and fails to impart much of enduring benefit. "Lo, thou art unto them as a very lovely song of one that hath a pleasant voice, and can play well on an instrument ; for they hear thy words, but they do them not." The period allotted to recitation should be occupied mainly by the pupils in rehearsing the lesson they have studied. The effort required to communicate what has been learned deepens impressions, and renders them more vivid. The language employed for the purpose aids the understanding. Bacon says, "Words exercise a reciprocal and re-actionary power over the intellect. As a Tartar's bow, they shoot back upon the understanding."

Pupils should be required to recite rules, definitions, and statements of general principles, in the precise words of the author ; but in all other recitations they should be encouraged to employ their own language. We would discourage recitation in concert, except for occasional recreation, since it is an element of disorder, and serves as a covert to the careless and indolent.

RECESS.

The question of recess or no recess is eliciting much discussion. Thoughtful men of long experience in school matters, and whose views are equally worthy of consideration, entertain very decided and

opposite opinions in regard to it. Wherever the plan of no recess has been adopted, however, it meets with general favor.

Superintendent Cole of Albany, in his last report, says, "Three years' trial has confirmed our belief in the salutary influences of the abolition of general recesses." Superintendent Ellis of the Rochester schools, after a year's experience, says, "Probably no change of so great importance has ever been made in the management of our schools, against which so few objections have been made, or that has met with such general approval. There is only one point concerning which there can be any question raised, and that is the physiological one. All the tests that we have been able to make lead me to believe, that, when the balance is struck at this point between the recess and the no-recess plan, it will be found on the side of the latter." Superintendent Stone of Springfield, who, in accordance with the instructions of his committee, carefully investigated the recess question, says, "As the result of my investigations, I cannot resist the conviction that the abolition of the recess, with proper substitutes in its place, has been successful and beneficial where tried, and has been attended with safety to the health of pupils and teachers."

Superintendent Kimball, in his report on the Newton schools in 1883, says, "The experiment of the last half-year, pursued with extreme caution in the light of what has been said and written upon the subject, has led to the following conclusions: *First*, The abolition of the general recess greatly simplifies the work of administration, allowing more concentration of time and effort, avoiding accident and exposure, and diminishing friction and collisions, with their resulting complications. *Second*, The aggregate of work accomplished is not materially affected, with or without recess. *Third*, The reduction of school time to a minimum has a tendency to accommodate its work to the multiplied demands which in modern life are made upon the time of the child, and naturally results in a desire to lose nothing by absence, tardiness, or dismissal, while it encourages diligence, and promotes intensity of application. *Fourth*, It is entirely practicable to induce in pupils a cheerful conformity to the changed order of things, and that, too, without any apparent violence to the muscular, nervous, or secretory functions. But, *Fifth*, Present immunity from inconvenience does not prove a course to be wise or safe. If two and a half hours in the school-room is not too long a period for continuous subjection to its necessary restraints for an average healthy child, the plan may be an improvement, and become a permanent

feature in our schools : if such a period of abstinence is inconsistent with the demands of the physical economy, no amount of eloquent advocacy, and no act of authority, can save it from merited condemnation. It is a question for the medical profession."

As an experiment, the school board passed the following order : "During the present winter months, the morning sessions of the schools shall continue two hours and forty minutes without recess : the afternoon sessions shall begin fifteen minutes before two o'clock, and close fifteen minutes before four o'clock."

ENCOURAGEMENTS.

From the earliest days in the history of Somerville to the present time, a healthy sentiment in regard to the importance of education, and a spirit of liberality in supplying requisite means for its promotion, have always characterized its citizens. The large and ever increasing demands for means to construct school-buildings, and to meet the ordinary expenses of the public schools, have been promptly and cheerfully met. School committees and teachers in the performance of their duties, and in the exercise of judicious means for maintaining good government in the schools, have always received the moral support of the entire community. Mutual confidence and cordial cooperation of parents and teachers very generally prevail. Schisms, so disastrous to harmony and efficiency, are rarely witnessed. Good government, systematic arrangement of school-work, pleasant relations of teachers and pupils, cheerful and earnest performance of duties, orderly and courteous demeanor, are noticeable features of a large proportion of our schools. The gradual and decided decrease of corporal punishment as an element of government, and the very general substitution of moral influences in maintaining order, are cheering indications of an important advance in school management.

The construction of a spacious and ornate building for the public library, this year, is an interesting event in our history, and a pleasing indication of an increasing interest in the diffusion of knowledge, and the advance of general education.

That a high moral tone pervades the community is indicated by the general prevalence of good order in all sections of the city, and by the firmness exercised in the suppression of all elements of discord. The multiplication of churches and other institutions for the promotion of morality and piety gives evidence of the existence, in large

measure, of the spirit of the early fathers of New England, who reared side by side the church and the school-house, and cherished with ardent devotion institutions of learning and religion.

With a grateful acknowledgment of numerous courtesies received from members of the board, and with kindest remembrance of past members, this report is respectfully submitted.

J. H. DAVIS,
Superintendent of Public Schools.

SOMERVILLE, Dec. 29, 1884.

REPORT

OF THE

SOMERVILLE MYSTIC WATER BOARD.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 28, 1885.

Referred to the committee on printing, to be printed in the annual reports.
Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Jan. 28, 1885.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

REPORT
OF THE
SOMERVILLE MYSTIC WATER BOARD.

OFFICE OF WATER BOARD, Dec. 31, 1884.

To his Honor the Mayor and the City Council.

GENTLEMEN, — The Somerville Mystic Water Board respectfully submit their annual report for the year ending Dec. 31, 1884; and also the accompanying report of the superintendent, which gives a clear and explicit account of the work done in all branches of the department, the present condition of the property, and the financial exhibit.

While we regret that our limited appropriation did not enable us to relay mains in some streets where repeated bursts and leaks remind us, as the superintendent so well says, of the precarious condition of some of the mains, it is a matter of congratulation that so much has been accomplished with the money expended. The demand for extending the distribution-mains to meet the requirements of our rapidly growing city makes a heavy drain upon our appropriation.

We have spent the past year on extensions \$5,062.70. If we would enjoy the advantages that come from the occupancy of vacant lands with new buildings, we must furnish the necessary water-privilege; and the board has granted all petitions for new mains the past year where the income would be likely to warrant the expenditure. But the expense of keeping forty-eight miles of pipe in repair, much of which was laid nearly twenty years ago, and warranted for only five years, necessitates greater outlay than has hitherto been provided for. Bursts and leaks are not only expensive, but are a great annoyance to the large number of families suddenly deprived of water, endanger

property in many direct ways, besides causing great anxiety lest fires occur at such time. The number of bursts is rapidly increasing, this year having fourteen more than the last; and this must continue, with greater rapidity of increase, until the well-known neglected streets are relaid with serviceable mains. These streets are Linwood, Beacon, Fitchburg, Maple, London, Cherry, Everett, Emerson, Appleton, and a portion of Walnut. The condition of these mains can be shown in no way so well as by referring to the fact that as many as eight bursts have occurred in twenty-four hours. Linwood Street, though short, has had seven breaks this year; London Street, which is only a short place, has had three breaks; while a few hundred feet on Walnut Street, between Bonair and Broadway, have had four. The cost of repairing a break averages over eighteen dollars, and it will thus be seen that the policy of continuing the use of this worthless pipe is not true economy.

The board voted last October to lay cast-iron pipe, and have discarded the use of the cement-lined pipe, except in repairing breaks, believing that the iron pipe is safer and much more durable; and at the present price of iron, if purchased in large quantities, the cost will not be much greater; and, in the case of relaying, the cost is no more, since cast-iron joints have to be used with the cement pipe, because it is impracticable to wait three weeks for the cement to harden. This we consider an important step in the right direction, as it will in time greatly reduce the repair expense, now so large an item.

To meet the demand for the extension of the service to accommodate new buildings, make the inevitable repairs, and relay streets that should not longer be neglected, will require a decided increase in the appropriation for this department; and, in recommending the same, we do it with confident assurance that the tax-payers expect and demand it as a wise and economical use of the public moneys.

The building used by this department, known as the "Old Police Building," will need repairs to make it serviceable in the future, and will require an outlay of from three to five hundred dollars.

The requests for hydrants by the chief and committee on fire-department have been complied with so far as our appropriation would admit. There are many places where hydrants must be set in the near future.

The number of hydrants in the city is now 302, and the cost of the same to the water-department of the city has been over \$51,000.

Their care and maintenance is a matter of considerable expense, for which this department receives no compensation.

The cost of the Somerville Mystic Water Works, to date, has been \$358,968.55.

Water is now supplied to 6,078 families, in 3,955 dwelling-houses, 561 stores, shops, and stables, and 58 other places.

That no serious damage has resulted from the one hundred and six bursts and leaks of the year is due largely to the co-operation of our efficient police, reporting promptly by night, as well as by day; and to the superintendent, Mr. Nathaniel Dennett, to whose energy, judgment, and mechanical skill, we are indebted for prompt repairs, as well as faithful service in all branches of our work.

J. O. HAYDEN.

WALTER S. BARNES.

A. R. COOLIDGE.

J. F. NICKERSON.

J. E. WHITAKER.

SUPERINTENDENT'S REPORT.

To the Somerville Mystic Water Board.

GENTLEMEN, — I present a report of the work of the Somerville Mystic Water Works, done under my direction during the year ending Dec. 31, 1884.

DISTRIBUTION-MAINS.

These were extended 6,727 feet, 6 inches, including 261 feet of hydrant pipe, giving a total in the entire city of 255,367 feet, 6 inches, or 48 miles, 1,927½ feet. Of the large amount of hydrant pipe laid, 224 feet, 6 inches, of cast-iron pipe were used in connecting a four-way Chapman hydrant on the premises of North & Co., Medford Street, the expense of which was borne by that firm.

There were 71 bursts on mains, for the repairing of which 466 feet, 6 inches, of pipe were required.

The number of leaks on mains was 35, and they were caused by the settling of earth, rust, and picks.

Total number of bursts and leaks, 106, an increase of 14 over those of 1883.

SERVICE-PIPES.

There were 208 services laid, a decrease of 25 from those of 1883. In running these services, there were used 7,582 feet of pipe, and the average cost per service was \$18.95. There are now in the city 4,046 services, aggregating 132,788 feet, or 25 miles, 788 feet.

Sixty-eight services were cleared which had been stopped by frost, and obstructed by rust, sediment, etc.; 63 services were repaired on account of broken stop-cocks, lead, and pipes; 137 new iron service-boxes were substituted for old wooden ones; 13 service-gates were set; and 14 service-boxes were repaired.

Water was turned off from 111 dwellings, shops, stables, etc., for repairs, non-payment of rates, and other causes.

STAND-PIPES.

One new stand-pipe was set on Broadway, near the corner of Clarendon Avenue. All the stand-pipes were repaired by having new valves, washers, hose, nipples, etc. ; and all received careful attention.

DRINKING-FOUNTAINS.

These have received the customary care and attention ; and a new and ornamental memorial ice-water fountain, furnished by the Woman's Christian Temperance Union, was set in front of Hill Building, Union Square, at the expense of the city. Certain difficulties formerly existing were remedied by supplying new stop and waste cocks.

STOP-GATES.

Thirteen new stop-gates were set on the extension, and three on old mains. The former were located as follows : —

Six-inch on James and Veazie Streets.

“ Partridge Avenue and Medford Street.

“ Dartmouth Street and Broadway.

“ Dartmouth Street and Evergreen Avenue.

One and a half inch on Pembroke Court.

Six-inch on Albion and Central Streets.

Two-inch on Place off Sycamore, near the church.

One and a quarter inch on Winthrop Avenue, corner Broadway.

Four-inch on Dickinson and Springfield Streets.

“ Morgan and Beacon Streets.

“ Cambria and Central Streets.

Six-inch at North's, Medford Street, for hydrant.

Four-inch on Morrison Street, near its centre.

The locations on old mains were : —

Eight-inch on Somerville Avenue, near Dane Street.

Four-inch on Somerville Avenue, near Central, for hydrant.

Eight-inch on Medford Street, near Greenville Street.

One four-inch gate was removed from the corner of Morrison Street to the corner of Appleton Street ; and one four-inch gate on Highland Avenue, near Holland Street, was removed to the corner of Dover Street. Thirty-five new gate-boxes were set on new and old gates, and twenty-one were raised and repaired.

The total number of gates in the city is 438, of which 24 are for blow-offs. All the gates and boxes received the needed repairs and attention.

HYDRANTS.

Five new hydrants were set, — four on the extension, and one on old main, — and were located as follows : —

On extension, —

Albion Street, about half-way between Central and Forest Streets.

Albion Street, below Forest Street.

Partridge Avenue, corner Medford Street.

North & Co.'s premises, Medford Street.

On old main, —

Houghton Street, near corner of Oak Street.

Sixteen hydrants were removed for various causes, and a corresponding number set in their places. The hydrant at Medford and Trull Streets was discontinued. Twenty-four hydrants received radical alterations and repairs, and one was reset. The total number in the city is 302.

MISCELLANEOUS WORK.

Eighty trenches were repaired, and paving was done in forty places.

WORK OF DEPARTMENT SHOPS.

There were made in the shops of the department 6,202 feet of wrought sheet-iron pipe, the larger part of which was cement-lined. Fifty large wooden boxes for main gates were constructed: all required service connections; and alterations were made, and fitted. Many hydrants were altered and repaired, and a large amount of minor miscellaneous work was performed.

STOCK ACCOUNT.

Pipe lined	\$512 40
Pipe unlined	42 28
Sleeves	22 84
Reducers	4 50
Sheet-iron for main pipe	162 78
	<hr/>
<i>Amount carried forward</i>	\$744 80

<i>Amount brought forward</i>	\$744 80
Cast-iron pipe	46 50
“ branches	177 54
Gates and gate-boxes	250 03
Hydrants and fittings	478 45
Clamps.	95 88
Machinery and tools for water-works	1,647 85
Miscellaneous water-works property	940 43
Tools for water-service	342 05
Miscellaneous water-service property	789 90
Stable department.	1,406 76
Office furniture	139 33
	\$7,059 52

REMARKS.

The buildings occupied by this department are in fair condition ; but that known as the “ Old Police Building ” is greatly dilapidated, and will require considerable alteration and repairs to properly adapt it for the uses of the water-works.

In reply to an inquiry of your board, I have to say, that, after careful consideration, I find the general condition of the pipe in the following-named streets to be such that its relaying must become a question for early consideration : —

Linwood Street, a distance of 2,159 feet.

Beacon “ “ “ 1,456 “

Fitchburg “ “ “ 425 “

Maple “ “ “ 748 “

London “ “ “ 389 “

Cherry “ “ “ 1,379 “

Everett “ “ “ 468 “

Emerson “ “ “ 190 “

Appleton “ “ “ 786 “

Walnut Street, from Broadway to Bonair, 600 feet.

As in a previous report, I would especially call attention to Beacon Street, the pipe in which is in a very bad condition, and is rapidly growing worse. The horse-railroad tracks on this street make repairs and relaying a matter of great difficulty, but the work cannot be long delayed.

On Walnut Street, there is a very heavy pressure, which makes a

NUMBER OF FEET OF WATER-PIPE RELAID, 1884.

LOCATION.	2 inch.	4 inch.	6 inch.	8 inch.
Appleton Street	-	6	-	-
Beacon Street	-	-	34	-
Bonair Street	-	4	-	-
Boston Street	-	-	7	-
Brook Street	-	7	-	-
Canal Street	-	7	-	-
Cherry Street	-	20	-	-
Chester Avenue	-	7	-	-
Chestnut Street	-	15	-	-
Columbus Avenue	-	-	7	-
Dane Street	-	-	7	-
Emerson Street	-	14	-	-
Everett Street	-	14	-	-
Fitchburg Street	-	7	-	-
Florence Street	-	13	-	-
Heath Street	-	21	-	-
Laurel Street	-	5	-	-
Linwood Street	-	-	43	-
London Street	-	21	-	-
Maple Street	-	14	-	-
Medford Street	-	-	-	7
Merriam Street	-	14	-	-
Myrtle Street	-	-	-	7
Mystic Avenue	-	-	10	-
Poplar Street	-	6½	-	-
Prescott Street	-	-	7	-
Putnam Street	-	7	-	-
Sacramento Street.	-	-	6	-
Smith Avenue	-	7	-	-
Somerville Avenue	-	-	21	5
Tyler Street	-	7	-	-
Village Street	-	7	-	-
Vine Street	-	-	7	-
Walnut Street	-	-	14	-
Washington Street	-	7	20	-

Respectfully submitted.

N. DENNETT, *Superintendent.*

REPORT

OF THE

OVERSEERS OF THE POOR.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 28, 1885.

Referred to the committee on printing, to be printed in the annual reports.
Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Jan. 28, 1885.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

BOARD OF OVERSEERS OF THE POOR OF SOMERVILLE.
1884.

HIS HONOR JOHN A. CUMMINGS, *Mayor,*
Chairman, ex officio.

JOSIAH B. MAYHEW,
President of Council.

GEORGE W. WASHBURNE Ward 1.
THOMAS CUNNINGHAM Ward 2.
JESSE J. UNDERHILL Ward 3.

THOMAS CUNNINGHAM *Secretary.*
GEORGE W. WASHBURNE *Store-keeper.*

OFFICE: Police Station, Bow Street, Somerville.
CITY STORE: In the rear of Police Station, Bow Street, Somerville.

REPORT OF THE OVERSEERS OF THE POOR.

SOMERVILLE, Jan. 27, 1885.

To the Honorable the City Council of the City of Somerville.

GENTLEMEN,—The Board of Overseers of the Poor of the City of Somerville respectfully submits its annual report for the year ending Dec. 31, 1884.

The business of this department has been conducted with reference to strict economy, and, at the same time, to give the aid of the city to applicants in as equitable a manner as is possible with the facilities at our command. The positive need of an almshouse develops itself each year by an increase in the amounts required for rents and board. We have at this time several cases on our hands, where the parties are kept on sufferance by other towns and cities. The secretary has prepared ten tables, which, on examination by your honorable board, will give a full insight into the work required to conduct this department. The work is not at intervals, but is a constant demand on the time and best abilities of the officers of the board, in order to see that the applicants have full justice, and that the city is not abused by frauds.

The management of the city store during the year 1884 has been attended with difficulties unavoidable, considering the circumstances.

The death of Capt. Ansel Lewis, in February, necessitated the election of a new store-keeper, who naturally has had his business to learn. In future, we hope to give entire satisfaction to all parties interested.

Trusting that our efforts in the discharge of the duties incumbent upon us may meet your approval, as also that of the citizens generally, we ask that our report, and the following tables of the secretary and store-keeper, be published as a part of the city report.

G. W. WASHBURNE.
JESSE J. UNDERHILL.
THOMAS CUNNINGHAM.

REPORT

OF THE

SECRETARY OF THE BOARD OF OVERSEERS.

SOMERVILLE, Jan. 27, 1885.

To the Overseers of the Poor.

GENTLEMEN, — The following is a summary of the tables prepared by the secretary for the year ending Dec. 31, 1884.

Table No. 1 is a report of the total number of families and persons who have a settlement in the city, and who have received aid in orders for groceries, fuel, shoes and clothing, rents, and board : —

Families	130
Persons	382
Amount expended	\$6,468 17

Table No. 2 exhibits total number of families and persons who live in Somerville, but have a pauper settlement in other towns and cities : —

Families	33
Persons	108
Amount expended	\$909 67

This amount will be refunded to the city treasury.

Table No. 3 shows the total number of families and persons living in Somerville who have no settlement, and are chargeable in part to the State : —

Families	41
Persons	159
Total amount expended	\$532 86
“ “ to be refunded by State	395 53
Leaving amount expended by city	<u>\$137 33</u>

Table No. 4 gives a list of families who have a settlement in Somerville, but who reside in other towns and cities, and who have received aid from the same, which is charged to Somerville : —

Families	49
Amount expended	\$2,461 16

Table No. 5 reports the number of persons who have received board and clothing in various public institutions of State, county, and cities : —

Persons	52
Amount	\$5,870 96
Recapitulation of No. 5 shows amount refunded	233 11
Balance paid by city	\$5,637 85

Table No. 6 gives names of persons for whom board has been paid by the city : —

Persons	20
Amount	\$1,994 76

Table No. 7 reports number of families for whom rent has been paid by the city : —

Families	37
Amount	\$1,500 93

Table No. 8 is a list of persons buried by the city, — a part of the amount expended to be refunded : —

Persons	23
Amount	\$332 53

Table No. 9 shows amounts given in orders at the regular meetings of the board at the office ; also outside orders. The table will explain itself.

Table No. 10 is a trial-balance of receipts ; also expenditures by pay-rolls and ledger accounts : —

Appropriation by city	\$15,000 00
Received from towns, cities, etc.	1,451 22
Excess over receipts	821 30
Net cost to city for entire department, including salaries,	15,821 30

TABLE No. 1.

RELIEF GIVEN BY THE OVERSEERS OF THE POOR TO FAMILIES HAVING A LEGAL SETTLEMENT AND RESIDING IN THE CITY OF SOMERVILLE DURING YEAR 1884.

[NOTE. — H., Husband; F., Father; W., Widow or Wife; C., Child; Ch., Children.]

NAMES.	No. of Persons.	Families.	No. of Orders.	Amount of Orders.	Amount of Rents.	Amount of Board.	Burials.	Totals.
Susan Donnelly . . .	5	W. & Ch.	26	\$70 15	\$48 00	-	-	\$118 15
Ellen Sullivan . . .	2	W. & C.	23	53 70	48 00	-	-	101 70
John O'Donnell . . .	6	H. W. & Ch.	30	75 81	-	-	-	75 81
Rose Connors . . .	2	W. & C.	26	50 95	39 00	-	-	89 95
John Barry . . .	2	H. & C.	12	26 15	-	-	-	26 15
Thomas Mahoney . . .	4	H. W. & Ch.	36	70 71	48 00	-	-	118 71
William Anderson . . .	1	Single.	13	28 70	-	-	-	28 70
Sylvester Sullivan . . .	1	Single.	-	-	-	\$130 68	-	130 68
Ann Nolan . . .	1	Widow.	5	47 35	36 00	-	-	83 35
Edward Welsh . . .	2	H. & W.	23	47 75	-	-	-	47 75
Children of Nellie Kelly.	2	Boy & girl.	-	-	-	156 88	-	156 88
Mrs. Martin Grady . . .	7	W. & Ch.	29	78 70	66 00	-	-	144 70
Mrs. Thos. Gallagher.	1	Widow.	25	42 85	-	-	-	42 85
Catherine Purcell . . .	4	W. & Ch.	6	14 25	-	-	-	14 25
Maggie Cross . . .	1	Widow.	25	37 90	-	-	-	37 90
Sarah Charlton . . .	1	Widow.	26	64 55	-	-	-	64 55
Ellen Driscoll . . .	2	W. & C.	28	60 30	-	-	-	60 30
Nora Boyle . . .	3	W. & Ch.	10	24 45	10 00	-	-	34 45
Mrs. Thomas Logan . . .	6	W. & Ch.	30	77 85	-	-	-	77 85
Kate Leonard . . .	4	W. & Ch.	11	27 50	60 00	-	\$20 00	107 50
Ellen Qeeny and Baldwin child . . .	2	W. & C.	25	57 00	-	-	-	57 00
Ellen Downey . . .	8	W. & Ch.	26	80 05	60 00	-	-	140 05
Timothy Sullivan . . .	4	H. W. & Ch.	2	5 45	-	-	-	5 45
Bridget Gill . . .	4	W. & Ch.	27	67 76	-	-	-	67 76
Thomas Moran . . .	2	H. & W.	25	56 00	60 00	-	-	116 00
Catherine Thompson . . .	5	W. & Ch.	24	63 80	-	-	-	63 80
Mrs. Patrick Flaherty.	6	W. & Ch.	5	11 80	36 00	-	-	47 80
Mary Cullerty . . .	1	Widow.	18	29 11	-	-	-	29 11
Margaret Mooney . . .	1	Widow.	8	16 45	-	49 72	-	66 17
Mrs. J. Pike . . .	3	W. & Ch.	1	2 00	-	-	-	2 00
Ellen Grady . . .	2	W. & C.	6	17 45	48 00	-	-	65 45
Mrs. William Dooner . . .	1	Widow.	22	48 40	-	-	-	48 40
Mrs. James Oswald . . .	1	Widow.	2	4 90	-	-	-	4 90
Mary Cotter . . .	1	Widow.	10	16 58	-	-	-	16 58
Patrick McDermott . . .	2	H. & W.	17	37 60	-	-	-	37 60
Lucretia Gorham . . .	2	W. & C.	19	40 95	-	-	-	40 95
Margaret Fogerty . . .	2	W. & C.	23	45 90	-	-	-	45 90
Ann McCauley . . .	2	W. & C.	28	56 05	-	-	-	56 05
Honora Ambrose . . .	1	Widow.	11	22 20	-	-	-	22 20
Frank Eagan . . .	3	H. W. & C.	2	5 45	-	-	-	5 45
Patrick Gallagher . . .	5	H. W. & Ch.	27	57 05	60 00	-	12 00	129 05
Elizabeth Hayes . . .	4	W. & Ch.	34	66 00	8 00	-	-	74 00
Mrs. James Fenton . . .	3	W. & Ch.	16	31 80	31 00	-	-	62 80
Mrs. Daniel Roach . . .	7	H. W. & Ch.	9	20 80	-	-	-	20 80
Mrs. Dennis Tinan . . .	3	W. & Ch.	-	-	45 00	-	-	45 00
Mary Foran . . .	2	W. & C.	19	39 15	-	-	-	39 15
Almira Wilson . . .	1	Single.	1	2 45	-	144 00	-	146 45
Mrs. E. H. Elliot . . .	1	Widow.	-	-	36 00	-	-	36 00
James Murphy . . .	1	Single.	1	2 00	-	156 88	-	158 88
George W. Littlefield . . .	1	Single.	-	-	-	137 00	*43 53	180 53
Margaret Copeland . . .	4	H. W. & Ch.	11	23 30	-	-	-	23 30
Mrs. Artemesia Smith.	5	W. & Ch.	10	19 05	-	-	-	19 05
Mrs. Cath'ne Shagruae.	2	W. & C.	12	25 50	-	-	-	25 50
Hannah Durgin . . .	2	W. & C.	31	58 05	55 00	-	-	113 05
Elizabeth Tehan . . .	1	Widow.	8	15 40	-	-	-	15 40
James Degan . . .	6	H. W. & Ch.	22	55 30	-	-	-	55 30
Mrs. David McCrossin.	1	Widow.	14	30 70	-	-	-	30 70
Mrs. Maria McKenna.	1	Widow.	2	3 05	-	-	-	3 05
Michael Killian, sen. . .	2	H. W.	6	13 35	-	-	-	13 35
<i>Am't carried for'w'd,</i>	164	59	908	\$2,047 47	\$794 00	\$775 16	\$75 53	\$3,692 16

* Medical aid.

RELIEF GIVEN BY THE OVERSEERS OF THE POOR TO FAMILIES HAVING A
LEGAL SETTLEMENT—*Continued.*

NAMES.	No. of Persons.	Families.	No. of Orders.	Amount of Orders.	Amount of Rents.	Amount of Board.	Burials.	Totals.
<i>An't brought forw'd,</i>	164	59	908	\$2,047 47	\$794 00	\$775 16	\$75 53	\$3,692 16
Patrick Conniff	1	Single.	-	-	-	73 36	-	73 36
Mrs. Jesse Abbott	2	W. & C.	-	-	-	204 00	-	204 00
Child of John Garvin	1	Child.	-	-	-	130 68	-	130 68
Child of Marg. Murphy,	1	Child.	-	-	-	104 56	-	104 56
Mrs. Nath. Fleming	4	W. & Ch.	14	26 40	-	-	-	26 40
Patrick O'Donnell	2	H. & W.	11	23 95	-	-	-	23 95
John Denehay	5	H. W. & Ch.	22	69 36	5 00	-	-	74 36
Jerry Lyons	1	Single.	3	11 00	-	-	-	11 00
James Connelly	4	H. W. & Ch.	10	23 20	-	-	-	23 20
William Ogden	1	Boy.	1	5 00	-	-	-	5 00
John Monehan, jun.	1	Boy.	1	3 00	-	-	-	3 00
John Cowhig	3	F. & Ch.	14	33 70	10 00	-	-	43 70
Charles D. Mulick	4	H. W. & Ch.	6	13 30	-	-	-	13 30
Winnifred Garvey	1	Widow.	8	15 35	-	-	-	15 35
Ellen Braslen	2	W. & C.	14	27 50	-	-	-	27 50
Mrs. John Haggerty	1	Widow.	3	7 35	-	-	-	7 35
Ellen Ahearn	1	Widow.	6	14 70	-	-	-	14 70
Rose Sheridan	3	W. & Ch.	2	4 50	-	-	-	4 50
Thomas Malaney	7	H. W. & Ch.	9	20 25	-	-	-	20 25
John Lynch	9	H. W. & Ch.	5	11 25	-	-	-	11 25
Ann Tierney	1	Widow.	7	14 90	-	-	-	14 90
Mary O'Brien	3	W. & Ch.	13	28 30	-	-	-	28 30
Mrs. Michael Carlen	1	Widow.	2	2 50	-	-	-	2 50
Mrs. Mary Sullivan	3	W. & Ch.	1	2 45	-	-	-	2 45
Mrs. H. Blackwell	3	W. & Ch.	24	59 65	28 00	-	-	87 65
Margaret Maguire	1	Widow.	4	7 70	-	-	-	7 70
Mrs. M. Goodwin	2	W. & C.	4	12 00	66 00	-	-	78 00
John Barrett	1	Single.	2	4 00	-	20 14	-	24 14
Mrs. Timothy Donovan,	1	Widow.	2	4 90	-	-	-	4 90
Philip Huges	1	Single.	4	14 25	-	109 73	-	123 98
Mrs. Ida White	3	W. & Ch.	2	4 26	-	-	-	4 26
Nath. C. Woodman	1	Single.	4	5 93	-	-	-	5 93
Mrs. Russell	1	Widow.	1	1 43	-	-	-	1 43
Mrs. Marg. Brennan	3	W. & Ch.	4	10 00	-	-	-	10 00
Mrs. Marg. McNamara,	3	W. & Ch.	18	28 97	16 50	-	-	45 47
Mrs. Ann Lyman	1	Widow.	-	-	104 00	-	-	104 00
Mrs. Mary Nowlin	3	W. & Ch.	-	-	60 00	-	-	60 00
Mrs. Mary Quinn	6	H. W. & Ch.	-	-	48 00	-	-	48 00
Mrs. James Purcell	5	W. & Ch.	-	-	60 00	-	-	60 00
Thomas McDermott	1	Single.	1	1 50	96 00	-	-	97 50
Mrs. P. Mahoney	5	W. & Ch.	3	6 40	-	-	-	6 40
Mrs. John Casey	6	W. & Ch.	14	29 95	-	-	15 00	44 95
Mrs. John Fleming	3	W. & Ch.	1	2 50	-	-	-	2 50
Mrs. Ellen Ferguson	5	W. & Ch.	23	55 65	-	-	-	55 65
Mrs. Edward Runey	9	H. W. & Ch.	28	59 12	45 33	-	-	104 45
Michael Ryan	5	H. W. & Ch.	5	10 50	-	-	-	10 50
John Dooner	6	H. W. & Ch.	6	13 35	-	-	-	13 35
Thomas Skehan	4	H. W. & Ch.	7	12 40	-	-	-	12 40
Mary Lindsay	1	Widow.	12	20 45	-	-	-	20 45
John Havln	7	H. W. M. Ch.	3	5 50	-	-	-	5 50
Benjamin Mortimer	5	H. W. & Ch.	4	7 95	-	-	-	7 95
John McKenna	4	H. W. & Ch.	1	3 00	-	-	-	3 00
Child of Elizabeth Rich. McGrath	1	Boy.	-	-	-	87 24	*18 50	105 74
William McLaughlin	1	Boy.	-	-	-	60 00	-	60 00
Edward Dempsey	1	Single.	1	1 50	-	183 00	-	184 50
Mrs. Ed. Calahan and daughter	2	W. & D.	9	26 61	-	-	-	26 61
Mrs. Delia Holland	1	Widow.	1	3 00	-	-	-	3 00
<i>An't carried forw'd,</i>	326	116	1,248	\$2,822 90	\$1,332 83	\$1,747 87	\$109 03	\$6,012 63

* Medical aid.

RELIEF GIVEN BY THE OVERSEERS OF THE POOR TO FAMILIES HAVING A LEGAL SETTLEMENT — *Concluded.*

NAMES.	No. of Persons.	Families.	No. of Orders.	Amount of Orders.	Amount of Rents.	Amount of Board.	Burials.	Totals.
<i>Am't brought forw'd,</i>	326	116	1,248	\$2,822 90	\$1,332 83	\$1,747 87	\$109 03	\$6,012 63
Mrs. Mary O'Connell . . .	1	Widow.	2	3 23	-	-	-	3 25
Patrick Maher	3	H. W. & C.	1	1 50	-	-	-	1 50
Margaret McDonald . . .	3	W. & Ch.	1	1 50	-	-	-	1 50
Mrs. Kate Yeager	3	W. & Ch.	9	19 35	12 00	-	-	31 35
Mrs. Patrick O'Hare . . .	4	H. W. & Ch.	4	9 45	-	-	-	9 45
Leander Sampson	8	H. W. & Ch.	5	15 00	-	-	-	15 00
Patrick Reynolds	6	H. W. & Ch.	11	25 00	12 00	-	-	37 00
John Crimmins	4	H. W. & Ch.	1	2 00	-	-	5 00	7 00
Mrs. John Morris	1	Widow.	-	-	8 00	-	-	8 00
Mrs. Chas. H. Roach . . .	5	H. W. & Ch.	2	4 45	-	-	-	4 45
Mrs. Catherine Powers . .	6	H. W. & Ch.	9	21 45	-	-	-	21 45
Mrs. Chas. R. Beers . . .	1	Widow.	-	-	-	16 00	-	16 00
Charles T. Diebner	1	Man.	-	-	-	21 79	-	21 79
Thomas Garvin	1	Man.	7	44 00	-	209 10	-	253 10
Bartholomew Conklin . .	3	-	-	-	10 00	-	-	10 00
Daniel W. Bodge	6	H. W. & Ch.	4	14 70	-	-	-	14 70
	382	132	1,304	\$2,984 55	\$1,374 83	\$1,994 76	\$114 03	\$6,468 17

TABLE NO. 2.

LIST OF PERSONS AIDED BY THE OVERSEERS OF THE POOR OF SOMERVILLE, LIVING IN THE CITY, BUT HAVING A PAUPER SETTLEMENT IN OTHER TOWNS AND CITIES.

NAMES.	No. of Persons.	Families.	No. of Orders.	Amount of Orders.	Rents.	Miscellaneous, Medicines, Burials, etc.	Total.	Name of Town charged to.
Child of Edward Irwin,	1	Girl.	5	\$15 75	-	-	\$15 75	Boston.
Hannah Ginty . . .	2	W. & Ch.	12	28 20	-	\$4 00	27 20	Natick.
Margaret Burke . . .	3	W. & Ch.	13	31 80	-	-	31 80	Boston.
Ellen Doherty . . .	3	W. & Ch.	28	56 05	-	14 00	70 05	"
Edward Fitzpatrick . .	4	H. & Ch.	2	4 45	-	*3 00	7 45	"
Ellen Quirk . . .	5	W. & Ch.	29	60 55	-	-	60 55	Arlington.
Michael Cross . . .	2	H. & W.	4	9 45	-	-	9 45	Boston.
Mrs. Lucy F. Whiting,	2	W. & C.	5	12 45	-	-	12 45	"
Mrs. Ellen Buckley . .	1	Widow.	8	17 80	-	*4 00	21 80	"
Lucy Ambrosia . . .	2	W. & C.	13	55 75	-	-	55 75	Manchester.
William Crangle . . .	4	H. W. & Ch.	13	25 45	-	10 00	35 45	Sandwich.
Charles R. Williams . .	1	Single.	4	9 15	-	3 00	12 15	Woburn.
J. E. Grush . . .	6	H. W. & Ch.	20	41 30	-	15 00	56 30	Brookline.
Mrs. H. A. Crosby . . .	3	W. & Ch.	35	62 32	-	25 00	87 32	Boston.
Mrs. James McCarty . .	-	-	3	9 00	-	-	9 00	"
Mrs. Michael Holland,	4	H. W. & Ch.	8	18 05	-	16 00	34 05	Milford.
James Howet . . .	-	-	-	-	-	14 00	14 00	Marblehead.
Mrs. Dora Campbell . .	2	W. & C.	7	15 85	-	6 00	21 85	Chelsea.
Thomas Devine . . .	2	H. & W.	5	10 40	-	-	10 40	Somerset.
Charles C. Smith . . .	4	H. W. & Ch.	4	10 45	-	-	10 45	Waltham.
George E. Jackson . . .	6	H. W. & Ch.	1	4 00	-	-	4 00	Canton.
Fred E. Wilbur . . .	5	H. W. & Ch.	4	7 25	-	7 80	15 05	Lawrence.
Dewey Harwood . . .	2	H. & W.	14	41 55	-	10 00	51 55	Worcester.
Mrs. Mary Bryant . . .	6	H. W. & Ch.	7	13 75	\$13 50	5 00	32 25	Medford.
Mrs. Lydia Vinal . . .	3	W. & Cn.	1	1 55	50 00	-	51 55	Boston.
Mrs. Marg. Murphy . . .	6	W. & Ch.	22	43 00	20 00	-	63 00	"
Mrs. Dora Cutting . . .	4	W. & Ch.	4	8 45	-	6 00	14 45	Concord.
Mrs. Ellen Connors . . .	6	H. W. & Ch.	4	9 45	-	-	9 45	Boston.
Mrs. D. Eldridge . . .	3	W. & Ch.	3	7 00	-	-	7 00	East Boston.
Mrs. Mary O'Reilly . .	5	W. M. & Ch.	1	5 45	-	-	5 45	Boston.
Mrs. Margaret Beggs . .	4	W. & Ch.	1	4 45	-	-	4 45	"
Mrs. Nath. Holland . . .	1	Widow.	10	14 80	-	25 45	40 25	Worcester.
Mrs. E. L. Davenport,	6	W. & Ch.	3	8 00	-	-	8 00	Newburyport.
	108	33	293	\$657 92	\$83 50	\$168 25	\$909 67	

* Dead.

† Soldier, burial.

TABLE No. 3.

LIST OF PERSONS AIDED BY OVERSEERS OF THE POOR, LIVING IN SOMERVILLE, WHO HAVE NO LEGAL SETTLEMENT, CHARGEABLE IN PART TO THE STATE.

NAMES.	No. of Persons.	Families.	No. of Orders.	Amount of Orders.	Sundry Charges.	Amount charged to State.	Remarks.
Mrs. Cornel. Moriarty,	4	W. & Ch.	4	\$7 00	-	\$7 00	State sick.
Mrs. M. Dempsey . . .	3	H. W. & Ch.	2	6 45	-	6 45	" "
Charles Colson . . .	2	H. & W.	10	15 33	-	8 00	Law of 1877.
Mrs. E. Furnace . . .	2	W. & Ch.	3	7 35	-	-	
David H. Griffin . . .	5	H. W. & Ch.	3	8 00	-	-	
Willis Canfield . . .	4	H. W. & Ch.	2	4 00	-	4 00	Law of 1877.
Mrs. Charles Stagz . .	6	W. & Ch.	6	11 20	-	11 20	" "
Mrs. John Doherty . .	6	W. & Ch.	15	39 80	\$5 00	39 90	" " State sick.
Mrs. Julia Murphy . .	1	Widow.	2	4 00	-	4 00	" "
Mrs. Amelia Gireaux . .	4	W. & Ch.	8	14 30	3 50	17 80	" "
Mrs. Thomas Porter . .	5	W. & Ch.	9	21 35	36 00	15 90	" "
Nathaniel Flemming . .	1	Single man.	2	3 00	-	3 00	" "
Michael Wallace . . .	1	Single man.	1	1 00	-	-	
Martin Fitzpatrick . .	4	H. W. & Ch.	3	7 25	-	-	
Mrs. Charles Roberts . .	6	W. & Ch.	13	32 33	*12 00	36 33	Law of 1877, State sick.
Desiré Babin	5	H. W. & Ch.	5	8 45	-	8 45	" "
Annie Griffith	1	Single.	-	-	†12 00	-	
Charlotte Gray	1	Single.	4	8 00	-	8 00	Law of 1877.
Mrs. Ann Burke	5	W. & Ch.	5	11 45	-	11 45	" "
Francis Gilliland	2	H. & W.	5	10 90	-	10 90	" "
E. O. Paine	4	H. W. & Ch.	2	5 50	-	5 50	" "
Mrs. Laura Touson	10	W. & Ch.	10	25 85	-	25 85	" "
Mrs. Ann Chambers	2	W. & Ch.	5	10 45	-	8 00	" "
Daniel Curran	4	H. W. & Ch.	4	8 40	-	5 95	" "
Mrs. Thomas Kelley	3	W. & Ch.	5	10 45	-	10 45	" "
Mrs. Ann Fitzpatrick	7	W. & Ch.	3	10 00	-	8 00	" "
Mrs. Michael Smith	3	W. & Ch.	4	10 40	-	10 40	" "
Mrs. Louisa Hill	2	W. & C.	2	5 00	-	5 00	" "
Mrs. Isaac Morrin	4	W. & Ch.	7	21 30	-	19 57	" "
Mrs. Honora Dunn	3	W. & Ch.	2	4 95	-	4 95	" "
John Clark	6	H. W. & Ch.	5	13 84	-	13 84	" "
Mrs. Marg. Manning	8	H. W. & Ch.	5	11 40	-	11 40	" "
Mrs. Mary Shean	9	H. W. & Ch.	4	12 00	-	12 00	" "
Mrs. Mary Malley	4	H. W. & Ch.	21	30 06	-	16 00	" "
Everard Evans	1	Single.	1	2 00	-	-	
Gustave Fundklodh	2	H. & W.	1	2 00	-	-	
Mrs. Mary E. Smith	3	W. & Ch.	4	12 00	-	12 00	Law of 1877.
Dennis Keganan	4	H. W. & Ch.	2	4 45	-	-	
Mrs. Susan Casey	5	W. & Ch.	9	14 65	*13 50	18 94	Law of 1877.
William Morris	6	H. W. & Ch.	5	10 00	-	10 00	" "
Edward Nolen	1	Child.	-	-	5 00	5 00	
	159	41	203	\$445 86	\$57 00	\$395 53	

* Burial.

† Board.

TABLE No. 4.

PERSONS AIDED BY OTHER TOWNS AND CITIES, HAVING A LEGAL SETTLEMENT IN THE CITY OF SOMERVILLE, AND CHARGEABLE TO SOMERVILLE.

Where.	Names.	F. P.	Amount.	Family.	Remarks.
Boston	Mrs. Eliza Blisch	126	\$32 15	Widow.	
"	Mrs. Timothy Connors	126	49 63	W. & Ch.	
"	Mrs. James Fenton	126	1 60	H. W. & Ch.	
"	Mrs. R. C. Havey	126	85 64	W. & Ch.	
"	David Keefe	126	34 38	Orphan.	
"	Mrs. A. M. Littlefield	126	48 00	Widow.	
"	Mrs. Almira King	126	30 52	Widow.	
"	Clarissa C. Moore	126	54 92	Single.	
"	Mrs. Susan Prior	126	8 00	Widow.	
"	Mrs. Catharine Strong	126	30 84	Widow.	
"	Mrs. Mary Tuck	126	5 19	Widow.	
"	Mrs. Ellen F. Woodward	126	84 22	Widow.	Invalid.
"	Mrs. Catharine FitzMorris	127	56 52	Widow.	
"	Mrs. Margaret McNamara,	127	10 80	W. & Ch.	
"	William Shea	127	3 35	Single.	
"	Mrs. Winnifred Gallagher	127	18 00	W. & Ch.	
"	Mrs. Mary Burke	127	16 89	Widow.	
"	Mrs. Ellen Connors	127	14 52	Widow.	
"	William J. Powers	127	3 63	Single.	
"	Mrs. William J. Powers	127	44 00	Single.	In Hospital.
"	Mrs. P. O. Sullivan	127	25 95	Widow.	
"	William O. Donovan	127	14 55	H. & Ch.	
"	Daniel McDermott	127	64 00	Single.	In Hospital.
"	Valentine Stanley	127	134 00	Single.	
Barnstable	Mrs. Esther Grierson	129	24 00	W. & Ch.	
Melrose	Mary and Martha Paine	129	71 50	Single.	Two Old Ladies.
"	Mrs. Ann Garvin	129	9 50	Widow.	
Braintree	James Lynch	129	53 40	Single.	
Peabody	Timothy Lyons	130	189 00	H. W. & Ch.	
"	Mrs. M. Brennen	130	1 50	Widow.	
Lawrence	S. S. Morey	130	96 00	H. W. & Ch.	
Cambridge	Mrs. R. L. Center	131	15 56	W. & Ch.	
"	Mrs. D. O. Shea	131	30 21	H. W. & C.	
"	Mrs. G. B. Eldridge	131	1 50	H. & W.	
"	Fanny Barker	131	154 57	Single.	
"	William Cahill	131	25 03	H. & Ch.	
"	Fred Salsbury	131	3 50	Child.	
"	Michael Carlin	131	3 25	H. & Ch.	
"	Mrs. Bridget Neville	132	14 53	W. & Ch.	
"	John Barrett	132	108 00	Single.	In Almshouse.
"	John Scanlan	132	105 11	Single.	In Almshouse.
Medford	Mary A. Taylor	133	48 00	Single.	
Lexington	S. A. Fairweather	133	220 00	Single.	
Chelsea	Charles H. Tyler	133	60 70	H. W. & Ch.	
Andover	Mrs. J. Mellen	133	72 00	W. & Ch.	
Lowell	Thomas Lyons	134	49 00	H. & Ch.	
"	Mrs. J. Leonard	134	3 00	W. & Ch.	
Holliston	Mrs. Daniel Coffee	135	96 00	W. & Ch.	
Newburyport	Mrs. Elizabeth Coffin	317	135 00	Widow.	
	Total		\$2,461 16	49	

TABLE No. 5.

LIST OF PERSONS HAVING A LEGAL SETTLEMENT IN SOMERVILLE, WHO ARE SUPPORTED IN DIFFERENT STATE AND CITY PUBLIC INSTITUTIONS FOR INSANE, ETC.

NAMES.	Board.	Clothing.	Total.	Place and Remarks.
Mary Lahey (dead) . . .	\$67 33	\$3 75	\$71 08	Northampton Lunatic Asylum.
Artenatus D. Moore . . .	169 92	3 80	173 72	Worcester " "
Harriet A. Locke . . .	169 92	1 42	171 34	" " "
Simon Hallet . . .	169 92	4 50	174 42	" " "
Bridget Bradburn . . .	169 92	7 33	177 31	" " "
Ella Garvin . . .	169 92	4 50	174 42	" " "
Susan McLaughlin . . .	169 92	12 78	182 70	" " "
Ellen Cronin . . .	120 72	11 40	132 12	Worcester Chronic Lunatic Asylum.
John H. Knowles . . .	169 72	10 05	179 77	Danvers Lunatic Hospital.
Robert C. Havey . . .	169 93	21 23	191 16	" " "
Mary McGillicuddy . . .	169 93	9 65	179 58	" " "
Ellen Crimmins . . .	169 93	1 22	171 15	" " "
Bridget Lyons . . .	169 92	7 67	177 59	" " "
Lydia C. Webster . . .	159 24		159 24	" " "
Edw. R. Prescott . . .	161 10	2 98	164 08	" " "
Mary Murphy . . .	169 92	8 35	178 27	" " "
Lucinda Dacy . . .	169 92	52	170 44	" " "
Annie Conlan . . .	59 42	1 87	61 29	" " "
Fanny Frost . . .	146 79	54	147 33	" " "
Jacob M. Bolby . . .	18 57		18 57	Taunton " "
Mary A. Foster . . .	169 92	11 94	181 86	" " "
Elizabeth Dempsey . . .	171 22		171 22	Tewksbury " "
Hannah B. Mayo . . .	178 75		178 75	Castine, Me.
William Degnan . . .	221 00	9 95	230 95	Danvers Lunatic Hospital.
Charles C. Hill . . .	119 75	4 25	124 00	" " "
Catherine Kelly . . .	91 92	3 90	95 82	" " "
Catherine Krengle . . .	43 64		43 64	" " "
Donald M. Lewis . . .	54 79		54 79	School for Feeble-Minded.
Annie E. Brown . . .	84 79		84 79	" " "
Michael Doyle . . .	28 75		28 75	State Workhouse.
Charles F. Martin . . .	17 15		17 15	Taunton Almshouse.
Margaret Blute . . .	19 71		19 71	Tewksbury Almshouse.
Nellie Blute . . .	19 71		19 71	" " "
Nellie Mumford . . .	38 00		38 00	Massachusetts General Hospital.
William H. Quimbey . . .	44 00		44 00	" " "
Mrs. Elizabeth Coffin . . .	137 14		137 14	Newburyport Almshouse.
Fanny D. Barker . . .	154 57		154 57	Cambridge " "
John Barrett . . .	105 00	3 00	108 00	" " "
John Scanlan . . .	105 11		105 11	" " "
Valentine Stanley . . .	134 00		134 00	Boston Hospital.
Daniel McDermott . . .	64 00		64 00	" " "
Patrick Durant . . .	42 14		42 14	Westborough Reform School.
Andrew Collins . . .	115 41		115 41	Lowell Truant School.
Roger Williams . . .	127 20		127 20	" " "
John H. Sias . . .	119 43		119 43	" " "
George McIntyre . . .	96 14		96 14	" " "
Frank McIntyre . . .	96 14		96 14	" " "
William Kelly . . .	95 91		95 91	" " "
George H. Moore . . .	43 64		43 64	" " "
Patrick Dugan . . .	9 94		9 94	Middlesex House of Correction.
Thomas Garvin . . .	9 94		9 94	" " "
Mary Collins . . .	22 53		22 53	" " "
Total	\$5,723 30	\$146 66	\$5,870 96	

RECAPITULATION OF TABLE No. 5.

Insane in various Asylums		\$4,082 82	
School for Feeble-Minded	South Boston	139 58	
State Workhouse	Bridgewater	28 75	
Almshouse	Taunton	17 15	
Almshouse	Tewksbury	39 42	
Massachusetts General Hospital	Boston	82 00	
Almshouse	Newburyport	137 14	
Almshouse	Cambridge	367 68	
City Hospital	Boston	198 00	
Reform School	Westborough	42 14	
Truant School	Lowell	693 87	
House of Correction	Middlesex	42 41	
			\$5,870 96
Amount received on account of	Fanny Frost	\$146 69	
Amount received on account of	Elizabeth Coffin	86 42	
			233 11
Total			\$5,637 85

TABLE No. 6.

BOARD PAID FOR PAUPERS IN PRIVATE FAMILIES.

Names.	No.	Amount.	Names.	No.	Amount.
James Murphy	1	\$156 88	Miss A. Wilson	1	\$144 00
William McLaughlin	1	60 00	Philip Hughes	1	109 73
Silvester Sullivan	1	130 68	Patrick Conniff	1	73 36
G. W. Littlefield	1	137 00	John Barrett	1	20 14
Child of Margaret Murphy	1	104 56	Mrs. Margaret Mooney	1	49 72
Children of Thomas Kelly	2	156 88	Mrs. Charles Beers	1	16 00
Edward Dempsey	1	183 00	Charles T. Diebner	1	21 79
Child of — Garvin	1	130 68			
Mrs. J. Abbott and daughter	2	204 00			
Child of E. McGrath	1	87 24			
Thomas Garvin	1	209 10	Total	20	\$1,994 76

TABLE No. 7.

RENT PAID FOR CITY POOR DURING YEAR 1884.

Names.	No.	Family.	Amount.
Mrs. Ann Lyman	1	Widow.	\$104 00
Mrs. Nora Boyle	3	W. & Ch.	10 00
Mrs. E. Hayes	4	W. & Ch.	8 00
Mrs. Rose Connors	2	W. & C.	39 00
Mrs. E. H. Elliot	1	Widow.	36 00
Mrs. J. Fenton	3	W. & Ch.	37 50
Mrs. Mary E. Nowlin	3	W. & Ch.	60 00
Mrs. Susan Donnelly	5	W. & Ch.	48 00
Thomas Mahoney	4	H. W. & Ch.	48 00
Mrs. Mary Quinn	5	W. & Ch.	48 00
Mrs. Ellen Grady	2	W. & C.	48 00
Mrs. J. Purcell	4	W. & Ch.	60 00
Mrs. P. Gallagher	5	W. & Ch.	60 00
Mrs. Ann Nolan	1	Widow.	36 00
Mrs. Lydia Vinal	1	Widow.	50 00
Mrs. P. Flaherty	6	W. & Ch.	36 00
Mrs. Hannah Durgin	2	W. & Boy.	55 00
Mrs. M. Goodwin	2	W. & Girl.	66 00
Mrs. M. Grady	7	W. & Ch.	66 00
Thomas McDermott	1	Man.	96 00
Mrs. McNamara	3	W. & Ch.	16 50
Patrick Reynolds	6	H. W. & Ch.	12 00
Mrs. Kate Leonard	4	W. & Ch.	60 00
Thomas Moran	2	H. & W.	60 00
Mrs. Ellen Sullivan	2	W. & C.	48 00
Mrs. Dennis Tinan	3	W. & Ch.	45 00
Mrs. Thomas Porter	5	W. & Ch.	36 00
John Dennehay	5	H. W. & Ch.	5 00
Mrs. Edward Rooney	9	H. W. & Ch.	45 33
Mrs. Hennan Yeager	3	W. & Ch.	12 00
John Cowhig	3	H. & Ch.	10 00
Mrs. H. Blackwell	3	W. & Ch.	28 00
Mrs. Margaret Murphy	4	W. & Ch.	20 00
Mrs. Mary Bryant	6	H. W. & Ch.	13 60
Mrs. John Morris	1	Widow.	8 00
Mrs. Ellen Downey	8	W. & Ch.	60 00
Bartholomew Conklin	2	H. & W.	10 00
Total	131	37	\$1,500 93

TABLE No. 8.

LIST OF BURIALS BY OVERSEERS, FOR SOMERVILLE, OTHER TOWNS AND CITIES, AND STATE.

Names.	To whom Chargeable.	Amount.
Mary O'Brien	Somerville.	\$15 00
Timothy Logan	"	15 00
Annie Leonard	"	20 00
William E. Littlefield	"	43 53
Annie Smith	"	5 00
Child of J. Crimmins	"	8 00
Patrick Gallagher	"	12 00
John Casey	"	15 00
Mary Curry	State in Part.	12 00
Unknown found	" " "	20 00
Edward Nolan	" " "	7 00
Joseph Kelly	" " "	20 00
Michael Greeley	" " "	6 00
Rose Roberts	" " "	12 00
Theresa Curry	" " "	13 50
Stillman Williams	State.	5 00
William Cartier	State in Part.	12 00
Mrs. T. Horrigan	Boston.	10 00
Child of Jerome Rice	"	6 00
Mary L. Rice	"	18 50
Richard P. —	Boston in Part.	17 00
James Howe	Marblehead in Part.	30 00
Edith Cutting	Concord in Part.	10 00
Total		\$332 53

TABLE No. 10.
FINANCIAL REPORT OF THE OVERSEERS OF THE CITY OF SOMERVILLE FOR THE YEAR 1884.

RECEIPTS.		EXPENDITURES.	
1884.	FROM WHAT SOURCE RECEIVED.	1884.	PAY-ROLLS APPROVED.
	Received from:—		
	City of Somerville, appropriation	\$15,000 00	For Jan. 31
	City of Malden	4 90	Feb. 29
	City of Lawrence	15 05	March 31
	City of Worcester	88 50	April 30
	City of Boston	182 01	May 31
	City of Chelsea	22 85	June 30
	Town of Manchester	86 00	July 31
	Town of Marblehead	14 00	Aug. 31
	Town of Arlington	31 45	Sept. 30
	Town of Woburn	12 15	Oct. 31
	Town of Milford	34 05	Nov. 30
	Town of Sandwich	25 85	Dec. 31
	Town of Somerset	10 40	
	Town of Natick	22 85	Disbursements \$17,272 52
	Town of Brookline	27 95	Receipts 16,451 22
	Town of Concord	14 45	Excess over receipts . . . \$821 30
	Town of Medford	13 75	
	Commonwealth of Massachusetts	501 29	
	Highway Committee of Somerville	92 25	
	Refunding of rent	6 50	
	Mrs. D. Eldridge, cash	2 45	
	S. W. Dow, for Fanny Frost	146 69	
	Estate of Ansel Lewis	9 41	
	Henry Coffin	86 42	
	Excess of expenditures	\$16,451 22	
	To the city of Somerville, net cost of this department	821 30	
		\$17,272 52	
		\$15,821 30	\$17,272 52

THOMAS CUNNINGHAM,
Secretary Board of Overseers of Poor, Somerville.

TABLE No. 11.

STORE-KEEPER'S REPORT.

CITY OF SOMERVILLE *in account with* GEORGE W. WASHBURNE,
Store-keeper.

Stock on hand Jan. 1, 1884	\$85 00	
Amount of goods purchased, 1884	1,381 70	
	<hr/>	
	\$1,466 70	
Goods delivered on Overseers' orders, 1884		\$1,272 77
“ “ to police, for tramps, 1884		418 03
Stock on hand Jan. 1, 1885		105 00
Net gain of merchandise	329 10	
	<hr/>	
	\$1,795 80	\$1,795 80
	<hr/>	
Net gain of store		\$329 10
Salary of store-keeper	\$300 00	
Insurance	7 50	
	<hr/>	
		307 50
		<hr/>
Net gain over all		\$21 60

GEO. W. WASHBURNE, *Store-keeper.*

SOMERVILLE, Jan. 27, 1885.

REPORT OF THE BOARD OF HEALTH.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 28, 1885.

Referred to the committee on printing, to be printed in the annual reports.
Send down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Jan. 28, 1885.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

CITY OF SOMERVILLE.

OFFICE OF THE BOARD OF HEALTH,
CITY HALL, Jan. 28, 1885.

To his Honor the Mayor and the City Council.

GENTLEMEN, — Agreeably with law and usage, we submit the seventh annual report of the Board of Health, which consists of a general statement of the work of the board, and tables of mortality and other statistics, for the year ending Dec. 31, 1884, with certain suggestions to the city council.

MEMBERSHIP.

The membership of the board remained the same throughout the year; Mr. George C. Skilton having been re-appointed Jan. 10, for a term of two years.

ORGANIZATION.

The board was organized on the 18th of February, as follows: —

GEORGE A. KIMBALL	<i>Chairman.</i>
GEORGE I. VINCENT	<i>Clerk.</i>
WILLIAM H. BRINE (40 Houghton Street)	<i>Inspector.</i>

NUISANCES.

Nuisances have been abated as appears by the following table, which is arranged by the months when the complaints were made.

NUISANCES ABATED IN THE YEAR 1884.

	* January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Cellar damp	2	2	-	9	5	1	3	2	1	1	-	-	26
Cesspool defective	1	-	-	1	-	2	-	-	1	-	-	-	5
Cesspool offensive	2	-	-	1	-	-	-	-	-	1	-	-	4
Cesspool overflowing	1	-	1	1	1	-	-	-	-	-	-	-	4
Connections of drainage-pipes defective	10	1	6	6	7	3	1	-	1	3	7	7	52
Drainage defective	25	3	4	1	3	1	4	4	4	4	3	1	57
Drainage emptying into cellar	5	1	2	3	1	-	4	-	1	-	-	1	18
Drainage emptying on surface	5	1	-	2	2	1	3	2	4	3	2	-	25
Drain-pipe clogged	-	-	-	-	-	-	-	-	-	3	-	-	3
Drain-pipe defective	22	-	1	4	2	2	3	2	2	1	5	1	45
Drain-pipe not trapped	-	-	-	-	-	-	-	-	-	-	-	1	1
Hens kept in cellar	1	-	-	-	-	-	-	-	-	-	-	-	1
Manure exposed and offensive	1	-	5	5	2	1	3	-	1	1	-	-	19
No house-drainage facilities	2	-	-	-	-	-	-	-	-	-	-	1	3
Offal on land	3	8	11	7	6	5	4	-	4	1	-	2	51
Offensive odor in and about dwellings	9	1	5	6	4	1	4	-	3	1	3	1	38
Opening in drain-pipe in cellar	-	-	-	-	-	1	-	-	-	-	-	-	1
Premises filthy	-	-	5	3	3	3	6	3	2	2	2	-	29
Privy-vault full	5	-	6	5	7	2	10	11	6	2	2	1	57
Privy-vault leaking	-	-	-	1	-	-	-	-	-	-	-	-	1
Privy-vault not properly constructed	-	-	1	2	2	-	3	-	2	-	-	-	10
Privy-vault offensive	25	4	6	18	9	9	20	10	17	8	2	1	129
School-room crowded	-	-	1	-	-	-	-	-	-	-	-	-	1
Slops emptied in gutter on roof of house	-	-	-	-	-	-	-	-	-	-	-	1	1
Slops thrown on surface	4	3	6	3	6	6	1	-	3	3	-	-	35
Soil-pipe not ventilated	4	1	-	-	1	1	1	-	-	1	2	2	13
Stable and stable-premises filthy and offensive	2	1	-	3	1	1	3	2	3	1	-	-	17
Stagnant water in house-cellar	1	1	3	3	1	-	3	1	1	-	1	-	15
Stagnant water on surface	-	-	1	4	2	1	2	2	3	-	-	-	15
Waste-pipe clogged	-	-	-	1	-	-	-	-	-	1	-	-	2
Waste-pipe defective	-	1	2	1	-	-	1	-	1	2	-	-	8
Waste-pipe not trapped	52	8	11	17	20	11	15	5	14	9	9	14	185
Water-closet defective	6	-	-	-	-	1	3	-	-	2	-	1	13
Water-closet insufficiently supplied with water	7	-	-	3	1	2	2	-	-	1	2	1	19
Water-closet not properly ventilated	1	-	-	-	-	-	-	-	-	-	-	-	1
Water-closet not supplied with water	4	1	-	-	1	-	-	-	-	-	-	-	6
Water-closet offensive	12	2	2	4	2	3	2	-	2	5	2	1	37
Water-closet not trapped	1	-	-	-	-	-	-	-	-	-	-	-	1
Wooden waste-pipes and drains	5	-	-	-	-	1	-	1	-	-	-	1	8
Total	218	39	79	114	89	59	101	45	76	56	42	38	956

* Including nuisances referred to us by the board of 1883.

Number of nuisances abated	956
“ “ referred to the board of 1885	74
“ “ complained of	1,030
“ complaints (many of which covered two or more nuisances)	471
Number of houses ordered vacated	19
“ said houses since made habitable	15
“ same vacated in compliance with our orders	3
“ “ “ by order of the chief of police under our direction	4
“ notices mailed	533
“ “ served by constables	39
“ letters written	79

STAGNANT WATER IN STREETS. — We have in our city more than twenty miles of private streets, nearly all of which are ungraded; and after every rain the water remains in the low places, and becomes stagnant and the receptacle for filth and garbage from the surrounding dwellings. As the street is the common property of the persons owning the abutting estates, it is not easy to hold any one person responsible; and in many cases, before the proper notices can be served, and the parties brought into court, the water has been absorbed, and the nuisance abated for a time; but it is sure to return with the next rain. Another source of annoyance in the private streets and alleys is the filth that collects in the gutters.

There is as much necessity for cleaning these streets as any of the public streets, and many of them should receive more attention on account of the filthy habits of the residents.

We feel that it is the duty of the city council to remedy this evil, either by instructing the committee on highways to grade these streets sufficiently to allow the water to drain off, and to clean them when necessary; or by furnishing this board with sufficient money for the performance of the work.

What we have said in regard to stagnant water and filth in private streets is true, to some extent, of many of our public streets in the lower sections of the city. We are of the opinion that the public health requires that our streets should be so graded as to prevent water from standing in them in pools after a rain, and that some of them be more frequently cleaned.

PERMITS.

Permits to keep swine and goats, and to collect grease, have been granted in the past year in the same manner as in previous years: the charge for a grease-permit being two dollars, and for a swine or goat permit one dollar for each animal; and all permits expire annually on the 1st of May. Every new applicant for a grease-permit who does not reside in Somerville is required to bring a recommendation from the board of health of the city or town in which he lives.

SWINE. — We received applications for permits to keep 264 swine, and granted permits for 251, and refused them for the remaining 13.

GOATS. — Applications were made for permits to keep twenty-three goats, all of which were granted.

GREASE. — Seventeen parties applied for permits to collect grease. Permits were granted to fifteen of them, and were refused to the other two. Of the fifteen persons who were given permits, nine resided in Somerville, four in Boston, and two in Cambridge. We recommended to the Board of Health of Cambridge six of our citizens as suitable persons to be licensed to collect grease in that city.

The Boston Board of Health licensed, during the year, forty-five citizens of Somerville to collect grease in Boston; and the Board of Health of Cambridge issued similar licenses to nine of our citizens during the same period.

ASHES.

Ashes and house-dirt have been collected weekly by the highway department, under our direction, — on Wednesdays in Ward One, Thursdays in Ward Two, Fridays in Ward Three, and Saturdays in Ward Four, — and are required to be placed in barrels on the outer edge of the sidewalk, early in the forenoon of the days when the collections are made.

HOUSE-OFFAL.

House-offal is collected by Christopher Burke under a contract for three years, commencing June 26, 1883, without any money compensation.

We require at least three collections per week in May, June, July, August, and September; two in April, October, and November; and one each week in December, January, February, and March.

We learn from the contractor, that about three hundred cords of offal were collected in 1884.

NIGHT-SOIL.

The contents of privy-vaults and cesspools have been removed by Messrs. Russell and Fitch. A new contract for one year was made with them May 1, at the following prices: for each load (of eighty cubic feet), or part of a load, removed in the months of May, June, July, August, September, October, and November, four dollars; and for the same in the months of December, January, February, March, and April, two dollars and fifty cents.

Order-books may be found at the police-station on Bow Street, and at the grocery-store on the corner of Franklin and Perkins Streets.

The number of loads removed, as reported by the contractors, was four hundred and eighty-seven.

SEWERS.

In the latter part of the year, the Board of Aldermen, by laying common sewers in Cedar, Murdock, and Clyde Streets, furnished the means by which the residents of that section may now abate the many nuisances caused by stagnant water and a lack of house-drainage facilities, which have been referred to in all the previous reports of this board.

Sewers are greatly needed in Wyatt, Woodbine, and Fairlee Streets, and in that part of Lowell Street lying north of the Lowell Railroad and in its immediate vicinity, as the house-sewage is now discharged upon the surface, or into open ditches or cesspools, causing very serious nuisances.

SCHOOL-BUILDINGS.

We have spent considerable time in visiting school-houses in neighboring cities, and examining reports as to the best methods of construction.

For the purpose of giving information, we invited the mayor, the president of the common council, and the committee on public property, to accompany us in an inspection of several of the school-buildings in Newton. The visit was made Jan. 21, 1884, when we were met by the mayor and other officials of Newton, who took great pains to show and explain the new heating and ventilating apparatus and sanitary arrangements, designed and constructed by A. F. Noyes, the city engineer, which we found to be in good-work-

ing order, and accomplishing with a large degree of success the work required of them.

We are under great obligations to the city officials of Newton for the kindness and courtesy shown us on this occasion, and for the handsome manner in which we were entertained.

Two new school-houses have been built in our city in the past year, and we are informed that the water-closet arrangements were designed with considerable care ; and we hope they will prove to be better than most of those in use in the other buildings. As these school-houses were not completed until the close of the year, the heating and ventilating and sanitary arrangements have not been used long enough to give them a fair test.

In accordance with a request made in our communication to the city council, dated June 27 last, in relation to the water-closets at the Highland School, a brick building separate from the school-house has been erected in the school-yard, and the water-closets and urinals have been placed therein.

MORTALITY IN SOMERVILLE IN 1884—Continued.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
RESPIRATORY ORGANS.													
Pneumonia	4	4	3	4	2	4	3	1	3	4	7	6	45
Bronchitis	4	-	2	2	1	2	1	-	-	2	1	2	17
Hemorrhage	-	-	-	-	-	-	-	1	-	-	-	-	1
Lung-diseases	-	-	1	-	1	-	-	1	-	-	-	2	5
Asthma	-	-	-	-	-	-	-	-	-	-	-	1	1
Phtisis pulmonalis	4	8	7	6	5	6	2	4	4	3	6	7	62
DIGESTIVE ORGANS.													
Gastritis	-	1	-	-	-	-	-	-	1	-	-	-	2
Enteritis	1	-	-	-	-	3	-	-	-	-	-	-	4
Peritonitis	-	-	-	1	-	-	-	-	-	2	1	1	5
Liver-disease	-	-	-	-	1	-	-	-	-	-	-	-	1
Obstruction of bowels	-	-	-	1	1	-	-	-	-	-	-	-	2
GENITO-URINARY ORGANS.													
Bright's disease	-	2	2	-	2	2	4	2	-	1	2	-	17
Diabetes	-	2	1	-	-	-	-	-	-	-	-	-	3
Ovarian tumor	1	-	-	-	-	-	1	-	-	-	-	-	2
Developmental Diseases.													
OF CHILDREN.													
Premature birth and infantile debility	-	1	2	2	2	2	-	1	1	-	2	2	15
Hydrocephalus	-	-	1	-	-	-	2	-	-	-	-	-	3
OF OLD PEOPLE.													
Old age	3	2	-	1	2	-	1	4	1	3	-	-	17
Diseases of Nutrition.													
General debility	-	-	1	1	4	1	1	-	-	3	-	1	12
Violent Deaths.													
Accident	-	-	-	-	-	-	2	-	-	-	1	1	4
Fracture of thigh	-	-	-	-	-	-	-	1	-	-	-	-	1
Railroad	1	-	-	1	-	-	-	-	-	-	-	-	2
Fracture of spine	-	-	-	-	-	1	-	-	-	-	-	-	1
Burn	-	-	-	-	-	-	-	1	-	-	-	-	1
Shock	-	-	-	-	-	-	-	-	1	-	-	-	1
Asphyxia	-	-	-	-	-	-	-	-	-	1	-	-	1
Sun-stroke	-	-	-	-	-	1	-	-	-	-	-	-	1
SUICIDE	1	-	1	-	-	-	-	-	2	-	-	-	4
Total	39	29	38	31	36	37	48	45	57	42	46	50	498
Still-born	3	1	2	1	-	-	2	2	-	3	3	-	17

Population (estimated) 30,468
 Death-rate per thousand 16.34

No. of Family.	Nationality.	Occupation of Head of Family.	No. of Patient.	Sex of Patient.	Age of Patient.	Date of Sickness.	Result.	District.	Soil.	Locality.	House-Drainage.	Condition of Cellar.	Privy.	Remarks.
1	American	Clerk	1	Male	3	January	—	5	Clayey gravel	Fair	Drain-pipes defective	[to cellar. Sewage flowing in-	Water-closet in cellar.	
2	Irish	Laborer	2	Female	13	"	—	6	Clay	Low	No drainage facilities	Not any	8 feet from house; offensive.	
3	American	Teamster	3	"	14	"	—	6	"	"	"	Damp	20 feet from house	Surface-water in cellar.
4	Irish	Laborer	4	"	12	"	—	8	Clayey gravel	Fair	Drain-pipe from house to cesspool not trapped	Damp	20 feet from house	
5	American	Machinist	5	Male	13	February.	—	6	Clay	Low	No drainage facilities	Not any	18 feet from house; offensive.	
6	"	Doctor	6	Female	3	January	—	6	Sand	Fair	Drain-pipe in cellar defective	Damp	Water-closet in cellar.	
7	"	Horse-car driver.	7	"	9	"	—	5	Gravel	Good	Waste and drain pipes in cellar defective	" and offen-	Adjoining house; offensive	Sewage flowing into cellar.
8	"	Wheelwright	8	"	28	"	—	5	"	Fair	Opening in drain-pipe in cellar	"	10 feet from house.	
9	Irish	Laborer	9	Male	19	"	Fatal	7	"	Good	Waste-pipe not trapped	"	Water-closet in cellar; offensive.	
10	American	Carpenter	10	"	1	"	—	7	"	Low	Waste-pipes not trapped	Hens in cellar	4 feet from house; offensive.	
11	"	Fruit-dealer	11	"	5	"	—	1	"	Good	Drain-pipe defective; waste-pipe not trapped	—	Water-closet in cellar	
12	"	Stable-keeper	12	Female	12	"	—	4	"	"	Waste-pipe not trapped	—	7 feet from house; offensive	Cesspool near house.
13	"	Salesman	13	Male	10	February	—	9	"	"	Opening in drain-pipe in cellar	Damp.	Water-closet in cellar	
14	Irish	Laborer	14	Female	35	"	—	7	"	Fair	Waste-pipes not trapped	—	Water-closet in bath-room, and one in cellar.	
			15	Male	16	"	—	7	"	Good	"	Basement rooms	8 feet from house; offensive.	
			16	Male	5½	"	—	3	"	Low	" " "	Basement rooms	8 feet from house; offensive.	
			17	Female	14	March.	—	3	"	"	" " "	Basement rooms	8 feet from house; offensive.	
			18	Male	2	"	Fatal.							
			19	Female	8	"	—							
15	American	Salesman	20	Male	3½	"	Fatal	5	Clayey gravel	Good	Waste-pipe not trapped	Damp	Water-closet in bath-room.	
16	American	Clerk	21	"	10	"	—	5	Clayey gravel	Good	Waste-pipe not trapped	—	Water-closet in bath-room.	
17	"	"	22	Female	15	"	—	5	"	Fair	Drain-pipe defective, waste-pipe not trapped	Basement rooms	" " "	
			23	Male	8	"	Fatal	9	"	"	"	Basement rooms	" " "	
			24	"	12	"	—							
18	American	Laborer	25	Female	8	April	—	5	Gravel	Good	Waste-pipe not trapped	Damp	25 feet from house.	
19	"	Salesman	26	"	24	"	—	2	"	"	"	—	Water-closet in cellar	Connection of ventilation pipe defective.
20	"	"	27	Male	7	"	—	7	"	"	Satisfactory.	—	Water-closet in cellar	
21	"	Book-keeper	28	Female	8	"	—	9	"	"	Waste-pipes not trapped	—	Water-closet in cellar.	
22	Irish	Laborer	29	Male	3½	May	Fatal	6	Clayey gravel	Low	No drainage facilities	Damp	6 feet from house; offensive	Stagnant water 20 feet from house.
			30	Female	7	"	—							
23	American	Clerk	31	"	8	"	—	9	Gravel	Good	Waste-pipes not trapped.	—	Water-closet in cellar	
24	Irish	Laborer	32	Male	1½	"	—	4	"	Fair	Waste-pipe and drain-pipe not trapped	Damp	8 feet from house; offensive.	
25	German	Porter	33	"	5	"	Fatal	1	"	"	" not trapped	"	30 feet from house; offensive.	
			34	Female	3	"	—							
			35	Male	5	"	—							
26	Irish	Laborer	36	"	5	"	—	3	Sand	Fair	Waste-pipe not trapped	Damp.	Water-closet in cellar	Cesspool 10 feet from house.
27	American	Carver	37	"	8	"	—	4	"	"	" " "	" [lar defective.	4 feet from house; offensive	
28	"	Steamer-driver	38	"	38	"	—	1	Gravel	"	" " "	Drain-pipe in cel-	12 feet from house.	
29	"	Laborer	39	Female	6	"	—	1	"	Low	Drain-pipes defective	Not any	12 feet from house; offensive.	
30	"	Contractor	40	"	24	June	—	5	"	Good	Soil-pipe and drain-pipe defective	—	Water-closet in cellar.	
31	"	Salesman	41	Male	9	"	—	7	"	"	" not ventilated.	—	Water-closet in cellar.	
32	Irish	Laborer	42	Female	4	July	—	1	Clayey Gravel	Low	No drainage facilities	Not any	Adjoining house; filthy.	
			43	"	8	"	—							
			44	"	5	"	—							
			45	"	35	"	—							
33	American	Agent	46	Male	5	"	—	7	Gravel	Good	Satisfactory.	—	Water-closet in cellar	Sewage flows into cellar. [residence.
34	Irish	Laborer	47	Female	2½	"	Fatal	1	Clayey gravel	Low	Waste-pipe not trapped	Damp.	Water-closet in cellar	Same family as No. 22 on this table; changed
35	English	Carpenter	48	Male	45	August	—	3	"	"	Waste and drain pipes defective	"	Water-closet in cellar	
36	Irish	Laborer	49	"	6	"	—	5	"	"	"	"	Water-closet in cellar	
37	"	Cooper	50	Female	3	"	—	1	Gravel	Fair	Waste-pipe not trapped	"	12 feet from house; offensive.	
38	American	Clerk	51	"	2	"	—	6	"	"	"	"	10 feet from house; offensive.	
			52	"	10	September.	Fatal.							
			53	Male	8	"	—							
39	Irish	Laborer	54	"	8	"	—	1	Clayey gravel	Low	Waste-pipe not trapped; drain-pipe defective	Basement rooms	20 feet from house; offensive.	
40	"	"	55	"	5	"	—	1	Gravel	"	"	Not any.		
41	"	"	56	Female	12	"	—	1	Clayey gravel	"	Waste and drain-pipes defective	Basement rooms.		

No. of Family.	Nationality.	Occupation of Head of Family.	No. of Patient.	Sex of Patient.	Age of Patient.	Date of Sickness.	Result.	District.	Soil.	Locality.	House-Drainage.	Condition of Cellar.	Privy.	Remarks.
42	Irish	Laborer	57	Male	7	September	—	1	Clayey gravel	Low	Waste and drain pipes defective	Basement rooms.		
43	English	Pattern-maker	58	Female	6	"	—	6	Gravel	Fair	Drainage not ventilated	"	15 feet from house; offensive.	
44	American	Machinist	59	Male	7	"	—	1	"	"	Waste and drain-pipes not trapped	Damp	10 " " " "	
45	Irish	Night watchman	60	"	2	"	Fatal	2	"	"	Drain-pipe defective	Basement rooms	12 " " " "	Offensive odor in basement rooms.
46	American	Machinist	61	Female	14	October	—	7	"	"	Drainage not ventilated	Damp	Water-closet in cellar.	
47	Irish	Laborer	62	Male	3	"	—	6	Clayey gravel	Low	No drainage facilities	Not any	Adjoining house; offensive	Stagnant water near premises.
			63	"	5	"	—							
			64	"	6½	"	—							
48	Irish	Gardener	65	"	2	"	Fatal	5	Gravel	Good	Waste and drain pipes not trapped	Damp	8 feet from house.	
			66	"	6	"	—					[sive.]		
49	Nova Scotia	Clerk	67	"	5	"	—	5	Gravel	Good	Drainage not ventilated	Damp and offen-	Water-closet in lower tenement.	
			68	Female	7	November	—							
50	American	Salesman	69	Male	5	October	—	5	Gravel	Good	Same residence as No. 49.	—	—	Offensive odor in bath-room.
51	"	Clerk	70	"	1	"	—	5	"	"	Waste-pipe to set bowl in bath-room not trapped	—	—	
52	"	Salesman	71	"	2½	November	Fatal	2	"	"	Waste-pipe not trapped; drain-pipe defective	Damp	Water-closet in cellar; defective.	
53	"	Laborer	72	Female	27	"	—	1	"	Fair	"	"	"	
			73	Male	14	"	—							
			74	Female	30	"	—							
54	Irish	Laborer	75	"	19	"	—	1	Clayey gravel	Low	Drainage defective	Not any	8 feet from house; filthy.	
55	"	"	76	"	1	"	—	1	"	"	Waste-pipe not trapped	Damp.		
56	"	Lawyer	77	"	10	"	—	5	Gravel	Good.	Soil-pipe not ventilated	—	Water-closet in bath-room.	
			78	Male	8	"	—							
57	Irish	Laborer	79	"	7	"	—	6	Gravel	Fair	Drainage on surface	Damp.		
58	American	Painter	80	"	4	"	—	4	Sand	Good.	Waste-pipe not trapped; drain-pipe defective	—	Water-closet in bath-room	Soil-pipe not ventilated.
59	"	Engineer	81	Female	16	"	—	1	Gravel	Low	Drain-pipe defective	Damp	8 feet from house; offensive.	
60	"	Painter	82	Male	7	"	—	4	"	Good.	Waste-pipe not trapped; drain-pipe defective	"	12 " " " "	
61	Irish	Laborer	83	"	1	"	Fatal	2	"	Low	"	Not any	10 " " " "	
62	"	"	84	"	7	"	—	6	"	"	"	"	"	
63	"	Machinist	85	Female	3	"	—	4	"	Fair	"	Damp	Water-closet in cellar	Drain-pipe defective.
64	American	Cooper	86	"	2	"	Fatal	1	"	"	"	"	—	Offal thrown in yard.
65	"	Machinist	87	"	5½	"	—	6	"	"	Waste and drain pipes defective and not trapped	"	30 feet from house.	
			88	"	36	December	—							
66	Irish	Laborer	89	Male	4½	November	—	1	"	"	Waste-pipe not trapped	"	40 " " " "	Drainage not ventilated.
67	"	"	90	Female	10	"	—	3	Sand	"	Waste and drain pipes defective	Not any	35 " " " "	Sewage flowing under kitchen-floor.
			91	Male	3	December	—							
			92	"	6	"	—							
68	Irish	Laborer	93	"	8 mos.	"	Fatal	6	Clayey gravel	Low	Into cesspool; waste-pipe not trapped	Damp	20 " " " "	Use water from well contaminated by sewage.
69	American	Widow	94	"	10	"	—	5	"	Fair	Waste and drain pipes defective	—	15 " " " "	
70	Irish	Laborer	95	Female	3	"	—	4	"	"	"	—	Water-closet in cellar.	
71	"	"	96	"	5	"	—	4	"	"	Waste-pipe not trapped	—	20 feet from house.	
72	American	Fish-dealer	97	Male	2	"	—	7	Gravel	Good.	Drain-pipe defective	—	Water-closet in cellar; defective.	
73	"	Hardware-dealer	98	Female	10	"	—	9	"	"	Waste-pipe not properly trapped	—	Water-closet in bath-room	Soil-pipe not ventilated.
74	Irish	Laborer	99	Male	4	"	—	1	"	Low	Drain-pipe defective	Damp.		
75	American	Clerk	100	Female	6	"	—	2	"	Good.	Soil-pipe ventilated	Water in cellar.		
76	"	"	101	"	8	"	—	8	"	"	Drain-pipe defective	Damp	Water-closet in cellar; offensive.	
77	"	"	102	"	5	"	—	7	"	"	Satisfactory	—	—	[sive.] Soil-pipe and waste-pipes all ventilated.
78	"	Salesman	103	Male	6	"	—	2	"	"	Drain-pipe defective	Damp	Water-closets in bath-room and cellar; offen-	
79	Irish	Milkman	104	"	5	"	—	3	Sand	Fair	"	—	12 feet from house; offensive.	
80	American	Brakeman	105	"	28	"	—	1	Gravel	Low	Waste-pipe not trapped	Not any	10 feet from house; filthy.	
81	"	Salesman	106	"	3	"	—	5	"	Good.	Soil-pipe not ventilated	—	Water-closet in cellar.	
82	"	Produce-dealer	107	"	7	"	—	7	"	"	Satisfactory	—	—	Soil-pipe ventilated.
83	Irish	Laborer	108	"	11	"	—	1	Clayey gravel	Fair	Waste-pipe not trapped.	—	—	
84	"	"	109	"	3	September	Fatal	1	"	Low	"	Basement rooms	18 feet from house; filthy.	
85	"	"	110	"	1	November	"	1	"	Fair	"	Not any	10 " " "	
86	"	"	111	Female	2	December	"	6	"	Low	No drainage facilities	"	"	

DISEASES DANGEROUS TO PUBLIC HEALTH.

SCARLET-FEVER. — There were 250 cases of this disease reported to our board during the past year, only eight of which proved fatal. Although this is a great increase in the number of reported cases over the three preceding years (1881, 25 cases and one death ; 1882, 39 cases and four deaths ; 1883, 84 cases and six deaths), the epidemic was of so mild a type, that no unusual precautions were taken by our board.

We still continue our custom of placing cards labelled "Scarlet-Fever Here" upon the houses in all cases, and are perfectly satisfied with the practical working of the rule.

DIPHTHERIA. — We are happy to note a diminution in the number of cases of this disease during the past year. There were 111 cases, with 21 deaths, as against 156 cases and 31 deaths in the preceding year. Cards are also placed on the houses in all cases of this disease.

TYPHOID-FEVER. — Thirty-six cases of this disease have been reported to our board during the past year, eight of which proved fatal.

SCARLET-FEVER, DIPHTHERIA, AND TYPHOID-FEVER REPORTED IN 1884.

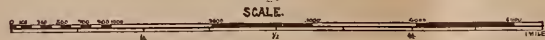
MONTHS.	SCARLET-FEVER.			DIPHTHERIA.			TYPHOID-FEVER.		
	Cases reported.	Number of deaths.	Percentage of deaths.	Cases reported.	Number of deaths.	Percentage of deaths.	Cases reported.	Number of deaths.	Percentage of deaths.
January	14	-	-	11	1	9	1	1	100
February	8	-	-	5	-	-	-	-	-
March	12	-	-	8	3	37½	-	-	-
April	15	-	-	4	1	25	1	-	-
May	7	-	-	11	2	18	1	-	-
June	7	-	-	2	1	50	-	-	-
July	17	2	12	5	2	40	4	1	25
August	9	-	-	5	-	-	3	1	33
September	5	1	20	10	4	40	14	2	14
October	43	1	2	9	2	22	7	-	-
November	71	3	4	21	4	19	4	2	50
December	42	1	2	20	1	5	1	1	100
Total	250	8	3	111	21	19	36	8	22

DEATHS FROM SCARLET-FEVER, DIPHTHERIA, AND TYPHOID-FEVER IN 1877, 1878, 1879, 1880, 1881, 1882, 1883, AND 1884.

MONTHS.	SCARLET-FEVER.							DIPHTHERIA.						TYPHOID-FEVER.										
	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.
January	4	-	4	2	-	-	2	-	-	4	6	7	7	11	2	1	2	-	-	-	-	1	2	1
February	-	-	1	1	-	-	1	-	4	4	4	-	4	5	3	3	-	-	-	-	-	1	-	-
March	1	-	1	1	-	-	1	-	9	5	-	-	7	7	3	3	-	-	-	-	2	1	-	-
April	-	1	2	-	-	-	1	-	7	1	1	1	2	8	6	1	-	-	-	-	-	1	-	-
May	-	-	-	-	1	-	-	-	8	-	-	-	3	5	1	2	-	-	1	-	-	-	1	-
June	-	-	1	-	-	-	1	-	6	1	1	-	3	2	3	1	-	-	1	-	-	1	1	-
July	1	-	2	-	-	-	2	-	1	2	-	2	1	3	2	1	1	-	1	-	-	1	1	-
August	2	-	-	-	-	1	-	-	3	1	4	-	3	1	-	-	2	-	1	-	-	1	1	-
September	-	-	-	2	-	-	1	1	4	1	2	-	2	1	1	4	-	1	1	-	1	3	2	2
October	-	3	-	-	-	-	1	1	4	2	5	2	6	1	2	2	1	1	-	2	2	1	3	-
November	1	4	3	-	-	-	3	-	5	1	2	2	1	2	7	1	4	-	1	1	1	-	-	2
December	1	7	2	-	-	2	1	1	8	5	4	8	3	4	5	1	2	1	-	1	1	-	1	1
Total	10	15	16	6	1	4	6	8	59	27	29	19	44	52	31	21	6	5	3	7	8	8	13	8

MAP OF SOMERVILLE.

1884.



SHOWING HEALTH DISTRICTS.
1884.



DISTRICTS.

The accompanying map shows the locations of the ten health districts into which the city has been divided by this board, and which are fully explained in its earlier reports ; the division being made principally with reference to soil and elevation.

The following brief characterization of the districts is copied from our last annual report : —

“SOIL. — In Districts I., II., III., V., VI., VII., VIII., and X., and a part of IX., the soil is chiefly clay or clayey gravel, with considerable ledge in Districts VII. and VIII.; and in District IV. and the remainder of District IX. it is sandy.

“ELEVATION. — In Districts I., III., and IV., and that part of District VIII. which borders on Mystic River, the elevation is low ; and in the remainder of the city it is generally high, ranging in parts of Districts II., V., VI., VII., VIII., and X., from 90 to 145 feet above mean low tide.”

The five following tables explain themselves ; the population being estimated on the basis of the census of 1880, and on the presumption that the increase since has been in the same ratio as the increase of taxable polls.

TABLE OF DEATHS IN EACH DISTRICT DURING THE LAST ELEVEN YEARS, EXCLUSIVE OF DEATHS IN THE McLEAN ASYLUM.

Districts . . .	I.		II.		III.		IV.		V.		VI.		VII.		VIII.		IX.		X.		Entire City.	
	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. 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	5,551		5,417		2,099		3,725		5,824		1,286		3,182		947		1,692		745		30,468	
Dwellings	812		756		318		557		907		283		496		178		304		152		4,763	
Average in each dwelling	6.8		7.2		6.6		6.7		6.4		4.5		6.4		5.3		5.6		4.9		6.4	
YEAR.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.	No. of Deaths.	Rate per 1,000.
1874	147	14	53	33	24	16	86	33	67	16	34	37	26	11	17	25	18	15	7	8	475	22
1875	149	37	84	21	26	17	56	21	75	18	29	32	32	14	13	19	15	12	15	15	486	22
1876	113	30	62	24	17	12	62	24	78	20	33	26	25	17	11	17	25	22	10	20	426	21
1877	126	32	57	15	18	12	57	22	61	15	31	34	29	13	12	18	32	27	5	10	428	20
1878	92	22	50	12	32	21	53	19	53	12	24	25	32	14	15	21	17	14	7	13	373	17
1879	92	21	50	12	29	18	62	22	77	17	14	14	22	9	14	19	16	12	9	16	385	16
1880	104	23	56	13	34	20	55	18	70	15	30	28	32	12	19	24	12	10	11	18	423	17
1881	111	23	64	14	41	23	48	15	62	12	36	32	38	14	18	22	19	13	8	12	445	17
1882	119	24	58	17	42	22	58	17	72	14	32	27	43	15	11	13	17	11	13	19	464	17
1883	138	26	59	12	49	25	60	17	76	14	40	33	51	17	17	19	28	18	9	13	527	18
1884	148	27	55	10	42	20	52	14	69	12	32	25	35	11	14	15	27	16	8	11	482	16
Eleven years	1,339	27	647	14	354	19	649	20	760	15	325	28	365	13	161	19	226	15	90	14	4,916	18

In 1884.

TABLE SHOWING THE FIVE PRINCIPAL CAUSES OF DEATH IN SOMERVILLE IN 1884, WITH THE NUMBER AND RATE IN EACH DISTRICT.

DISTRICTS.	CONSUMPTION.		PNEUMONIA.		CHOLERA-INFANTUM.		HEART-DISEASE.		MENINGITIS.	
	No. of Deaths.	No. per 1,000 of pop.	No. of Deaths.	No. per 1,000 of pop.	No. of Deaths.	No. per 1,000 of pop.	No. of Deaths.	No. per 1,000 of pop.	No. of Deaths.	No. per 1,000 of pop.
I.	17	3.06	12	2.16	20	3.60	10	1.80	7	1.26
II.	5	0.92	7	1.29	3	0.55	7	1.29	2	0.37
III.	4	1.91	3	1.43	5	2.38	2	0.95	4	1.91
IV.	10	2.68	10	2.68	3	0.81	4	1.07	1	0.27
V.	9	1.55	6	1.03	-	-	4	0.68	6	1.03
VI.	5	3.89	1	0.78	1	0.78	2	1.56	1	0.78
VII.	3	0.94	1	0.31	2	0.63	2	0.63	2	0.63
VIII.	-	-	2	2.11	2	2.11	-	-	1	1.06
IX.	8	4.73	1	0.59	1	0.59	1	0.59	2	1.18
X.	1	1.34	2	2.68	-	-	1	1.34	-	-
Total	62	2.03	45	1.48	37	1.21	33	1.08	26	0.85

TABLE OF SCARLET-FEVER, DIPHTHERIA, AND TYPHOID-FEVER IN EACH DISTRICT IN 1884.

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.	63	3	11.35	0.55	32	7	5.76	1.26	7	1	1.26	0.18
II.	13	-	2.40	-	6	2	1.11	0.37	9	1	1.66	0.19
III.	23	2	10.90	0.95	10	1	4.76	0.48	4	-	1.91	-
IV.	33	-	8.86	-	8	1	2.15	0.27	2	2	0.54	0.54
V.	15	-	2.58	-	20	3	3.43	0.52	7	2	1.20	0.34
VI.	34	2	26.44	1.56	16	6	12.44	4.67	-	-	-	-
VII.	32	-	10.06	-	10	1	3.14	0.31	2	-	0.63	-
VIII.	17	1	17.95	1.06	3	-	3.17	-	2	1	2.11	1.06
IX.	12	-	7.09	-	6	-	3.55	-	2	1	1.18	0.59
X.	8	-	10.74	-	-	-	-	-	1	-	1.34	-
Total	250	8	8.21	0.26	111	21	3.64	0.69	36	8	1.18	0.26

RATES PER THOUSAND OF POPULATION OF CASES OF SCARLET-FEVER, DIPHThERIA, AND TYPHOID-FEVER REPORTED, AND OF DEATHS FROM THE SAME IN THE LAST SEVEN YEARS.

DISTRICTS.	1878 (last 10 months).			1879.			1880.			1881.			1882.			1883.			1884.			Average for Seven Years.		
	Scarlet-Fever.	Diphtheria.	Typhoid-Fever.	Scarlet-Fever.	Diphtheria.	Typhoid-Fever.	Scarlet-Fever.	Diphtheria.	Typhoid-Fever.	Scarlet-Fever.	Diphtheria.	Typhoid-Fever.	Scarlet-Fever.	Diphtheria.	Typhoid-Fever.	Scarlet-Fever.	Diphtheria.	Typhoid-Fever.	Scarlet-Fever.	Diphtheria.	Typhoid-Fever.	Scarlet-Fever.	Diphtheria.	Typhoid-Fever.
I.	Cases . . . 2.68 Deaths . . . 0.73	2.20 0.49	0.98 0.24	7.92 1.40	2.33 0.93	1.16 0.23	1.10 0.88	2.42 0.88	3.08 0.44	- -	8.75 3.54	9.58 0.42	7.17 2.79	2.39 -	1.91 0.38	3.25 0.57	4.98 0.96	5.76 1.26	11.35 0.55	5.76 1.26	1.26 0.18	3.82 0.42	4.68 1.52	3.40 3.58
II.	Cases . . . 4.25 Deaths . . . 0.25	2.00 0.25	0.25 -	8.83 -	3.10 -	0.41 -	1.35 -	6.08 0.68	0.90 0.45	2.35 0.21	4.27 0.62	0.42 0.21	2.04 0.20	0.80 0.40	3.53 0.20	4.32 0.98	0.98 -	1.11 0.37	2.40 -	2.40 -	1.66 0.19	3.12 0.09	3.24 0.46	0.58 0.18
III.	Cases . . . 9.68 Deaths . . . 3.23	5.16 1.94	0.65 0.65	8.63 0.62	4.93 1.23	0.61 -	0.58 0.58	8.72 1.74	0.58 -	1.65 -	11.01 4.55	2.75 0.55	7.90 3.16	0.53 0.53	3.04 -	6.58 1.92	1.01 -	4.76 0.48	10.90 0.95	4.76 0.48	1.91 -	5.44 0.71	7.02 2.05	1.18 0.24
IV.	Cases . . . 4.00 Deaths . . . 1.09	2.54 1.09	0.73 -	7.99 0.69	1.77 0.69	0.69 0.35	1.64 -	2.29 0.33	2.29 -	0.62 -	6.83 1.86	2.48 0.93	3.56 0.59	1.78 0.30	0.29 -	5.42 0.29	1.71 0.57	2.15 0.54	8.86 -	2.15 0.27	0.54 0.54	3.55 0.31	3.55 0.71	1.47 0.40
V.	Cases . . . 5.12 Deaths . . . 0.47	2.09 0.70	0.70 -	6.88 0.67	7.33 2.00	- -	2.93 0.61	3.77 1.05	1.26 0.21	0.99 -	1.98 0.40	0.79 -	8.54 2.28	0.95 0.13	2.74 -	7.67 1.46	1.64 0.73	3.43 0.52	2.58 -	3.43 0.52	1.20 0.34	3.18 0.28	5.03 1.19	0.96 0.23
VI.	Cases . . . 3.16 Deaths . . . -	8.42 3.16	1.05 -	5.03 -	3.02 -	- -	0.95 0.95	5.69 1.90	0.95 -	- -	8.09 2.70	- -	16.32 7.73	0.86 -	13.22 0.83	6.61 1.65	3.31 0.83	12.44 4.67	26.44 1.56	12.44 4.67	- -	7.84 0.51	8.88 3.22	0.90 0.13
VII.	Cases . . . 3.40 Deaths . . . -	1.28 -	4.26 -	6.09 0.81	8.94 0.81	0.41 0.41	1.53 0.38	5.36 0.38	1.15 0.77	0.73 -	6.18 0.73	0.36 0.36	7.30 2.08	0.35 -	3.68 0.67	5.34 1.67	0.33 -	3.14 0.31	10.06 -	3.14 0.31	0.63 -	3.95 0.26	5.36 0.88	5.20 0.21
VIII.	Cases . . . 22.86 Deaths . . . 1.43	1.43 1.43	4.29 1.43	8.19 4.09	10.91 4.09	4.09 -	1.29 -	3.86 -	1.29 -	- -	13.41 3.66	2.44 -	10.50 1.17	3.50 1.17	3.37 -	7.86 -	- -	3.17 -	17.95 1.06	3.17 -	2.11 1.06	7.51 0.35	7.33 1.40	2.45 0.87
IX.	Cases . . . 4.00 Deaths . . . -	11.20 4.00	1.60 0.80	4.58 2.29	6.87 2.29	0.76 -	2.88 -	2.16 -	0.72 -	1.37 -	- 0.69	1.37 -	1.31 0.65	- -	2.51 -	6.28 2.51	0.63 0.63	3.55 -	7.09 -	3.55 -	1.18 0.59	2.25 -	4.40 1.27	0.89 0.49
X.	Cases . . . - Deaths . . . -	5.45 -	- -	1.74 1.74	3.48 3.48	- -	3.27 -	6.55 -	1.64 -	- -	4.65 1.55	1.55 -	4.45 -	7.42 2.96	- -	2.85 -	- -	10.74 -	- -	10.74 -	1.34 -	3.55 0.22	3.77 0.67	1.78 0.67
City.	Cases . . . 4.80 Deaths . . . 0.67	3.11 0.93	0.80 0.18	7.26 0.64	4.79 1.15	0.64 0.13	1.72 0.24	4.32 0.76	1.56 0.28	0.95 0.04	5.88 1.71	2.69 0.30	6.24 1.89	1.38 0.29	2.93 0.21	5.44 1.08	1.88 0.45	3.64 0.69	8.21 0.26	3.64 0.69	1.18 0.26	3.86 0.30	4.81 1.17	1.43 0.30

NUISANCES ABATED IN EACH DISTRICT IN 1884.

DISTRICT.	I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.	Total.
Population	5,551	5,417	2,099	3,725	5,824	1,286	3,182	947	1,692	745	30,468
Cellar damp	4	6	1	3	7	-	3	-	1	1	26
Cesspool defective	1	-	-	2	2	-	-	-	-	-	5
" offensive	1	-	-	1	1	1	-	-	-	-	4
" overflowing	-	-	-	-	1	2	-	-	1	-	4
Connections of drainage-pipes defective	5	8	3	8	19	1	6	1	1	-	52
Drainage defective	15	1	3	5	16	2	9	4	2	-	57
" emptying in cellar	-	2	3	2	5	2	2	1	1	-	18
" emptying on surface	6	1	1	4	2	6	2	2	1	-	25
Drain-pipe clogged	1	-	1	-	-	1	-	-	-	-	3
" defective	4	9	3	5	16	-	5	1	2	-	45
" not trapped	-	-	-	-	-	1	-	-	-	-	1
Hens kept in cellar	1	-	-	-	-	-	-	-	-	-	1
Manure exposed and offensive	12	-	1	1	3	1	-	-	-	1	19
No house-drainage facilities	2	-	-	-	-	1	-	-	-	-	3
Offal on land	23	7	2	11	3	-	1	2	1	1	51
Offensive odor in and about dwellings	6	4	3	3	12	2	5	1	2	-	38
Opening in drain-pipe in cellar	1	-	-	-	-	-	-	-	-	-	1
Premises filthy	13	2	-	3	5	2	1	1	2	-	29
Privy-vault full	31	2	2	7	4	7	3	-	1	-	57
" leaking	1	-	-	-	-	-	-	-	-	-	1
" not properly constructed	2	-	-	4	1	2	-	1	-	-	10
" offensive	46	26	4	15	13	6	11	3	5	-	129
School-room crowded	-	-	-	-	1	-	-	-	-	-	1
Slops emptied in gutter on roof of house	-	-	-	-	1	-	-	-	-	-	1
Slops thrown on surface	13	8	-	7	1	5	1	-	-	-	35
Soil-pipe not ventilated	-	-	-	2	4	-	2	-	4	1	13
Stable and stable-premises filthy and offensive	6	4	2	-	3	1	1	-	-	-	17
Stagnant water in house-cellar	7	1	2	-	-	4	1	-	-	-	15
" " on surface	11	1	-	-	2	1	-	-	-	-	15
Waste-pipe clogged	-	-	-	-	1	1	-	-	-	-	2
" defective	-	-	1	2	4	1	-	-	-	-	8
" not trapped	37	28	6	33	42	4	14	4	12	-	185
Water-closet defective	1	1	1	1	6	1	-	-	2	-	13
" insufficiently supplied with water	1	2	2	3	8	-	1	-	2	-	19
" not properly ventilated	-	-	-	-	-	-	-	-	1	-	1
" not supplied with water	1	-	2	2	1	-	-	-	-	-	6
" offensive	3	11	4	1	9	1	3	1	3	1	37
" not trapped	-	1	-	-	-	-	-	-	-	-	1
Wooden waste-pipes and drains	2	-	-	2	2	2	-	-	-	-	8
	257	125	47	132	195	58	71	22	44	5	956

APPROPRIATION FOR HEALTH DEPARTMENT, AND EXPENDITURES THEREFROM, 1884.

Appropriation	\$3,500 00	
Less transfer to school-house incidentals account	400 00	
	<hr/>	\$3,100 00
Receipts : —		
for unpaid bill of 1883	265 67	
“ fees for permits to keep swine and goats and collect grease	306 00	
	<hr/>	571 67
		<hr/>
Total credit		\$3,671 67
Expenditures : —		
for inspector's salary	\$500 00	
“ collecting ashes	2,570 59	
“ fumigating	340 50	
“ disinfectants	42 05	
“ oil of peppermint	16 50	
“ burying dead animals	40 50	
“ books, stationery, printing and post- age	47 25	
“ abating nuisances	17 00	
“ serving notices in other cities	2 36	
“ carriage-hire	27 00	
“ rent of post-office box	4 00	
“ repairing air-meter, etc.	2 80	
	<hr/>	
Total debit		3,610 55
		<hr/>
Balance unexpended		\$61 12

GEORGE A. KIMBALL.
GEO. C. SKILTON.
THOS. M. DURELL, M.D.

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REPORT OF THE CITY PHYSICIAN.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 28, 1885.

Referred to the committee on printing, to be printed in the annual reports.
Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Jan. 28, 1885.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

CITY OF SOMERVILLE.

To his Honor the Mayor and the City Council.

GENTLEMEN, — I respectfully present my third annual report as city physician.

I have made, during the year, 2,987 visits ; of these 403 were surgical. Sixty-one visits were made to persons at the police-station. I have, in accordance with the law, viewed the bodies, and given certificates of the probable cause of death, of twenty-four persons who died unattended by any physician. I have examined fourteen persons supposed to be insane, and have given certificates in five cases. I have vaccinated one hundred and six persons at my office and elsewhere. Ninety-six persons had teeth extracted at my office.

I have, in compliance with the city ordinances, examined 11 applicants for the police force, at the request of the chief of police, and forwarded certificates of such examinations to the mayor.

In closing this report, I desire respectfully to express my approbation of the proposed change in the poor-department recommended by the mayor in his inaugural address. With a suitable inspector, who could be found at all times, a great deal of real suffering amongst the *sick* poor could, I believe, be relieved.

Respectfully submitted.

THOMAS M. DURELL, M.D.,

City Physician.

SOMERVILLE, Jan. 22, 1885.

REPORT

OF THE

TRUSTEES OF THE PUBLIC LIBRARY.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 20, 1885.

Referred to the committee on printing, to be printed in the annual reports.
Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Jan. 20, 1885.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

REPORT.
OF THE
TRUSTEES OF THE PUBLIC LIBRARY.

To the City Council of Somerville.

THE extensive use made of the Public Library during the past year fully attests that its importance is duly appreciated by our fellow-citizens, and furnishes a good reason for its continued maintenance. Since its establishment in the city, 13,500 persons have availed themselves of the advantages which it has offered to our reading population; and every year evinces an increasing interest in its support. The report of the librarian is appended hereto, and is referred to as containing a more detailed statement of the work carried on for the year now ending, as well as for its suggestion of its wants in the future.

The expenditures incurred will undoubtedly appear in the city treasurer's report, from which information on that subject will readily be obtained, and needs not repetition here. It will be obvious to one who will consider the number of persons who have taken books from the library, and the immense amount of reading-matter that has been required to meet the actual demands of its patrons, that the annual appropriations heretofore made have been too meagre, rather than too large. Considering, however, the insufficient accommodations heretofore provided for the proper disposition and arrangement of the books already on hand, the amounts received have, in a certain measure, served the purpose.

With a population probably exceeding thirty thousand, increasing with a rapidity almost without parallel in this Commonwealth, it has been apparent to the present board, as well as those for several years past, that in order to furnish to our fellow-citizens the advantages which their wants from the necessity of the case require, justifies

them in the belief that the erection of a new building for the purpose could not longer be delayed. A visit to our present limited quarters, however brief, will satisfy the most sceptical on that point. The subject has for several years been placed before the city council by our predecessors, and the wants of this important department urgently pressed. Much care and time have been given by the committees on public property for several years, and the wants we speak of recognized by them. The failure heretofore to provide the increased accommodation, which, in our judgment, the circumstances demanded, we are glad to say did not arise from any disinclination of the city council to meet the demand, or from a want of interest in this important work, but doubtless from a desire to deal with the question in its various bearings, and to arrive at the best practical results. Without further reference to the many conferences and discussions which have been held by the several committees with the trustees, it may be safe to say that the action finally taken has been wise, and largely due to the delays incident to the causes now disclosed; and we are confident in the conviction that the citizens of Somerville will cordially concur, and fully appreciate this most important work. It ought to be added, that much encouragement has been received in this movement from many of our leading citizens, including our heavier tax-payers.

THE PUBLIC-LIBRARY BUILDING.

The plan of the library was the work of George F. Loring, Esq., an accomplished architect of this city; and it is but just to him that we should here bear our testimony to the entire devotion he has given to the performance of his part of the work, and to the uniform courtesy which has ever marked his conduct. The plan was adopted by the committee on public property, after many protracted conferences between them and this board. Other plans were also presented, and their merits fully discussed. A desire to make the most judicious use of the money granted by the city council actuated the course of the committee, as well as the trustees: at the same time, they hoped to present a structure attractive to the eye, to provide a convenient and ample provision for the preservation and distribution of books, and to render the various uses of the library more accessible to the public. Several plans that had heretofore been presented for enlarging the library-room now occupied in the City Hall were discarded, with

almost entire unanimity, as insufficient, and as based on erroneous ideas of economy.

The library building is located on Highland Avenue, on a lot of land belonging to the city, lying between the City Hall and the Unitarian church, on a line with the high school: and the exterior has been completed at an expense of about thirteen thousand dollars; W. L. Clark & Co. of Somerville being the contractors for the mason-work, and F. C. Fuller of Somerville for the carpenter-work. Specifications for heating by steam, and inside finish, have been made; and an immediate completion of the entire work is urged. To give our fellow-citizens a more detailed account, we invite attention to the following particulars, furnished by the architect.

DESCRIPTION.

The foundations for the new public library were started in July last, and the exterior is now complete. The building covers an area of about 3,650 square feet, of which one-half is carried up two stories in height. The first story, and possibly one room in second story, will immediately be devoted to library purposes; and the remaining part can, no doubt, be utilized for city offices, till otherwise needed; and the basement will furnish ample room for storage. The building is to be warmed by steam, — the first story by indirect, and the second story by direct, radiation. The subject of light and ventilation has been carefully studied, every room being well equipped in both points. The cases in the book-room and reference-room will contain thirty-five thousand volumes; and the rooms on second floor, when needed, can accommodate some thousand more. The height of book-room is about seventeen feet, and admits very high cases; but, as planned to meet the present requirements, half that height suffices. Should the future demand more book-room, the height of the cases can be raised; and the book-room is so planned, that, if any enlargement is found necessary, an extension of indefinite length, westerly, and towards School Street, can be readily made, at small expense, without injuriously affecting its symmetry, or interfering with the rest of the structure or its present arrangements. The building is so constructed that moisture from the exterior is not likely to pass through the vaulted walls, and the danger from fire is guarded against by using slow-burning or mill-construction floors. The exterior of building is of face-brick, with Rockport granite underpinning;

Longmeadow freestone sills, belts, and trimmings; copper gutters, conductors, tips, ridges, and finials; and the roof is slated with Brownville slates. The exposed situation demanded as simple a roof as possible, easy to keep in repair, and without any unnecessary breaks or dormer-windows, etc. On entering the vestibule and hall, on the left is the reference-room, on the right is the trustees' room. Farther on, and on the left, separating the reference-room and delivery-room, is the stairway to the second floor. At the end of the hall, and opposite the entrance, is the delivery-desk, which is so located as to avoid unwholesome draughts from opening doors. From the central aisle in book-room, the attendants can easily overlook both the reference, delivery, and reading rooms, through the arched openings. Adjoining the delivery-room is the reading-room, a circular apartment on the north side of the building, opposite the entrance. It has those most desirable points of north light, quiet location, and a fine and extensive view. In the second story, over the reading and delivery rooms, is a spacious room which can be made at any time readily available, or it may be put to an immediate use for patent reports and other public documents less frequently called for. It is proposed that the floor of vestibule, hall, and lavatory shall be of marble, with borders, bases, and plinths of the same material; all other floors, of birch with cherry borders: and the finish of oak and cherry, with high panelled wainscotings, mantels, bookcases, and furniture of the same material, and in the principal rooms ornamental fireplaces. The ceilings of book-room and trustees' room, and rooms of second floor, are to be of plaster with cornices, coves, and stucco-work; all the other ceilings are to be of wood, showing the exposed chamfered floor-joists and moulded panels between, and stucco cornices below. The wood floors are to be oiled and shellacked, and the ceilings and walls decorated with plain tints and margins in oil-colors. Places are reserved for tablets, which can be used for memorial purposes as shall be deemed appropriate. The trustees feel confident the building which has now been erected will for many years furnish the accommodations which have so long been needed, and, as such, commend it to the candid consideration of their fellow-citizens. If more has been expended than was at first contemplated, a desire to give to the city a structure at once substantial and commodious, with a due regard to architectural effect and to the future wants, is the only plea they have to offer.

The purpose and use of a public library have for many years

engaged the public mind, with a constantly increasing interest. To be convinced of this, one has only to cast a look to the cities and towns of the Commonwealth, and witness the structures that have been recently erected, and the vast amount of reading-matter that has been accumulated. A well-assorted public library, wisely used, is a most important factor in the education of the people, especially of our youths, in whose interest it is more especially established; and in the discharge of their duty, especially in the selection of reading-matter, trustees of libraries have no light responsibility. They are, in a measure, to recognize the various tastes and wants that must exist in a population engaged in the multitudinous pursuits of life. At the same time, they must exercise extreme solicitude in ministering to the wants of the various classes of readers; and amid myriads of books, which are constantly accumulating, they have no small work to accomplish. The field of literature is vast; and no branch can be or ought to be excluded, when the interest, tastes, and wants of the community are to be consulted. With a limited amount of money at our command, the task becomes the more difficult, and requires a more careful discrimination. Much help can be acquired by consulting catalogues of other well-known libraries, especially where books which may not have reached standard character are sought. Patrons can supplement the work of the trustees by sending in the names of publications they may require, not found in the catalogue.

THE USES AND ABUSES OF LIBRARIES.

Much has been written and said of the usefulness of public libraries in promoting the education of the masses. This will undoubtedly depend largely upon the character of the selection of books, and the manner in which they are read. The reader himself must make his own choice, wisely or unwisely; and his choice will very largely depend upon the character of the source from which he may seek advice in making his determination. The experience of scholars and authors without limit may be readily consulted. The opinions of many distinguished authors may be sought with great profit. Some have already become familiar as household words. None are entitled to greater weight than the following rules of Emerson:—

1. Never read a book that is not a year old.
2. Never read any thing but famous books.
3. Never read a book, but what you like.

Lord Bacon's classification of books is well known,—some “to

be tasted, some to be swallowed, and some to be chewed and digested."

Our space will not allow this interesting subject to be treated here at any great length, but a reference to a few authors may not be out of place. A recent publication, entitled "The Book Lover: A Guide to the Best Reading," by James Baldwin, Ph.D., contains many valuable suggestions in reference to the selection of books, to the formation of correct habits, and the adoption of a useful course of reading. It would be of paramount importance to our youths, if they would reap the greatest possible advantage from libraries, that they should as early as possible adopt some rules for their guidance. In doing this, it is hardly now necessary for us to say that they should use every accessible means to render such rules wholesome and judicious.

Much advantage might be gained if the aid of our public-school system could be invoked, and a little space given to this important branch of study. If some well-prepared manual could be placed in the hands of our school-teachers, adapted to the various grades or classes which they have in charge, a good beginning might be made in this direction. Reading might be suggested in connection with various branches of study, and made profitable. Teachers could aid their pupils in the selection of books, the formation of good habits of reading, and in the elevation of the taste.

The good results of such a course may be incalculable in the character of the rising population. A youth who, at the time of his graduation, has acquired good methods and habits of reading, has in a measure prepared himself for a broader and more rational means of enjoying life, and opened to himself a wider field of culture and usefulness. "Books are the food of youth; the delight of old age; the ornament of prosperity; the refuge and comfort of adversity; a delight at home, and no hinderance abroad" (*Cicero*).

CHAS. S. LINCOLN,
President,

C. E. RYMES,
THOS. J. BUFFUM,
WM. VEAZIE,
WM. H. BRINE,
J. H. FLITNER,
WM. E. WELD,
MARK F. BURNS,
GEO. A. BRUCE,

} *Trustees.*

LIBRARIAN'S REPORT.

OUR library now contains 11,197 books. Of this number, 722 have been purchased during the past year. 72,591 books have been delivered, and two lost. A large number of our juvenile publications have been discarded, thoroughly worn out, and some replaced. Several pamphlets, two books, and one newspaper have been given us.

Registration has increased, and 960 new names have been entered since the beginning of the year.

The library has been open 306 days, and has averaged over two hundred books delivered per day. The largest delivery on any day was 667. Our reading-table has been well patronized, and the consultation of books of reference is on the increase.

We have given out of fiction and juveniles, sixty-six per cent; of history and travel, nine per cent; biography, four per cent; science, poetry, drama, periodicals, twenty-one per cent. We have not had any too much room for the needful accessions of our current literature; and I have recommended that early numbers of some of our magazines should be procured, that the valuable book of reference, "Poole's Index," might be used as it should be. Sometimes, when we are looking up a subject, we find references there which are directly to the point; but the early numbers of the magazines referred to are wanting. We have complete sets of only four magazines. We have not many books of genealogy, or histories of the towns and cities of our own Commonwealth. Probably these now will be gradually supplied. Our library has not a very large collection of pamphlets; and, though these are seldom called for, I have found within the past few months that it was very convenient to have access to some that were not so very old. One of these was ex-Mayor Furber's Historical Address, which it is now almost impossible to obtain. If families in town would send us pamphlets, though they seem of no value, they might prove so to us. Every season people come for information with regard to the early history of Somerville; and the two books by Drake, "History of Middlesex County," and "Historic Fields and

Mansions," contain all there is to offer. An interesting history of Somerville, well illustrated, will, I hope, some time be forthcoming.

The liberality of our city government has provided us with a beautiful building. May our citizens show their appreciation of it by bestowing for an art-room some choice paintings, or beautiful statuary, which all who looked upon would enjoy! The room in the second story over the reading-room will make an excellent one for such a purpose. There, too, would appropriately hang the portraits of the successive presidents of our library committee, and also those of the *benefactors* to our library, who in the distant future will surely make themselves known.

HARRIET A. ADAMS, *Librarian.*

REPORT
OF THE
COMMITTEE ON HIGHWAYS.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 3, 1885.

Report accepted and referred to the next city council, to be printed in the annual reports. Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

Concurred in.

IN COMMON COUNCIL, Jan. 3, 1885.

DOUGLAS FRAZAR, *Clerk.*

REPORT OF THE COMMITTEE ON HIGHWAYS.

IN COMMITTEE ON HIGHWAYS, Jan. 3, 1885.

To the City Council of Somerville.

GENTLEMEN, — The following is the final report of the committee on highways for the year 1884 : —

HIGHWAYS ACCOUNT.

CREDIT.

Appropriation	\$32,000 00	
add transfers from : —		
Public property account	2,077 76	
Sidewalks account	1,400 00	
	<hr/>	\$35,477 76
Receipts and Credits : —		
For labor and materials furnished in 1883, the bills for which remained un- collected Jan. 1, 1884, as stated in our last annual report	\$209 31	
labor and materials furnished in 1881, the bill for which remained uncol- lected Jan. 1, 1884	27 00	
rent of dwellings at City Farm	\$136 00	
less repairs and water- rates	14 29	
	<hr/>	121 71
gravel sold from Wakefield gravel-land	\$115 20	
less taxes on said land	27 97	
	<hr/>	87 23
<i>Amounts carried forward</i>	<hr/>	<hr/>
	\$445 25	\$35,477 76

<i>Amounts brought forward</i>	\$445 25	\$35,477 76
excess of charges for materials over the cost :—		
crushed stone	515 61	
Holland Street ledge-stone, sand	323 68	
edge-stones and paving-stock	112 58	
iron and hardware	32 44	
	1 15	
	<hr/>	
	985 46	
less excess of cost over charges for :—		
gravel (including payment for gravel used in 1881)	134 88	
lime and cement (depreciation)	95	
	<hr/>	
	135 83	
net excess of charges		849 63
gross earnings of city teams at \$1.50 per day for each horse	7,330 13	
less cost of maintenance, as hereinafter specified,	6,175 58	
	<hr/>	1,154 55
collecting ashes (received credit from Health Department account)	2,570 59	
less cost of same	2,554 28	
	<hr/>	
net credit (being the excess of the estimated cost for December over the actual cost)		16 31
	<hr/>	2,465 74
Value of materials on hand Jan. 1, 1884		705 63
Value of personal property on hand Jan. 1, 1884		8,224 75
		<hr/>
Total credit		<u>\$46,873 88</u>

DEBIT.

Expenditures : —

For laying out and constructing Evergreen Avenue from Thurston Street to Sycamore Street	\$5,046 59	
construction of Evergreen Avenue from School Street to Thurston Street	489 50	
laying out and partial construction of Glen Street from Oliver Street to Tufts Street	102 48	
laying out of Little Washington Street (advertising and recording release)	11 30	
laying out and construction of Pleasant Avenue	170 94	
laying out of Summit Avenue from Walnut Street to Vinal Avenue (land damages, advertising and recording release)	1,117 00	
gravelling Austin Street	80 69	
street-crossings	596 71	
street-signs	28 13	
danger-signs	10 96	
repairs of Broadway and Main Street, from Sycamore Street to Medford line, necessitated by the laying of horse-railroad tracks	141 05	
repairs of streets and paving of gutters in connection with the setting of edge-stones : —		
Appleton Street, repairs	538 84	
“ “ paving	521 58	
Church Street, repairs	295 18	
“ “ paving	567 60	
Pleasant Avenue, paving	502 36	
Summer Street, paving (near Laurel),	87 76	
	<hr/>	2,513 32

For ordinary repairs of streets : —

Broadway, from Boston line to Cross Street	1,463 72	
College Avenue	1,128 86	
Cross Street, from railroad bridge to Webster Street	341 64	
Elmwood Street	253 26	
Linwood Street, filling	150 00	
	<hr/>	
<i>Amounts carried forward</i>	\$3,337 48	<hr/> \$10,308 67

<i>Amounts brought forward</i>	\$3,337 48	\$10,308 67
Medford Street, from Central to Partridge Avenue	130 78	
Mystic Avenue, from Middlesex Avenue to Union Street	474 30	
Pearl Street, from Pinckney to Mt. Vernon	146 80	
Poplar Street	170 26	
Somerville Avenue and Union Square, from East Cambridge line to Craigie Street	3,271 11	
Webster Avenue	1,005 58	
general repairs	6,721 43	
	<hr/>	15,257 74
For repairs of stone paving		506 49
“ “ brick sidewalks		701 92
cost to city of sidewalks, the bricks and edge-stone for which have been furnished by abutters		346 15
repairs of streets, and paving of gutters, made necessary by said sidewalks		400 64
clearing and repairing streets after the construction of sewers and catch-basins (including the macadamizing of Cedar Street from Arlington Railroad to Lowell Railroad)		327 88
cost of repairing streets after the laying of water-pipes		104 91
removing snow and ice, and care of icy sidewalks, cleaning streets		1,150 49
one-half cost of maintaining Middlesex Avenue bridge for the year 1883, the other half being paid by the town of Medford		501 69
setting stone bounds		58 25
“ trees furnished by citizens		20 12
setting fountain in Union Square, furnished by Woman's Christian Temperance Union		54 52
partially rebuilding William H. Mahoney's fence on line of Evergreen Avenue extension		3 50
reduction of Columbus Avenue betterment assessments, and costs of court		782 03
		<hr/>
<i>Amount carried forward</i>		\$32,465 30

<i>Amount brought forward</i>		\$32,465 30
sewer assessment on Bond Street ledge-lot		210 60
taxes on Waltham gravel-land	134 30	
less received for pasturage	60 00	
	<hr/>	74 30
tax on Winchester gravel-land		9 34
repairing tools		235 04
salary of superintendent		1,500 00
board of superintendent's horses		417 17
rent of superintendent's telephone		36 00
books, stationery, and printing		46 00
sundry small expenses		8 97
private work, the bills for which remain uncollected		148 30
Value of tools, etc., Jan. 1, 1884	383 25	
added during the year	249 22	
	<hr/>	
Total	632 47	
value of same Dec. 31, 1884	384 75	
	<hr/>	
Depreciation		247 72
Value of materials on hand Dec. 31, 1884		1,400 60
Value of personal property on hand Dec. 31, 1884:—		
horses	4,225 00	
carts and implements used with horses,	2,191 00	
harnesses and horse-clothing	643 00	
stable utensils and property	172 65	
stone-crusher and fittings	1,612 05	
tools, tool-house, and tool-chests	384 75	
	<hr/>	9,228 45
		<hr/>
Total debit		\$46,027 79
		<hr/>
Balance unexpended		\$846 09
		<hr/> <hr/>

The earnings and expenses of the city teams have been as follows:—
 Earnings, at \$1.50 per day for each horse \$7,330 13

Expenses : —

For grain and feed	\$1,994 98
hay and straw	596 20
shoeing	480 39
doctoring and medicine	124 02
repairs of carts and implements used with horses	241 15
repairs of harnesses and horse-clothing	142 47
stable expenses, and repairs of stable (including pay of stable-man)	1,042 31
fence at City Farm	141 61
Value of carts and implements used with horses, Jan. 1, 1884	2,162 25
added during the year	380 00
	<hr/>
Total	2,542 25
value of same Dec. 31, 1884	2,191 00
	<hr/>
Depreciation	351 25
Value of harness and horse-clothing, Jan. 1, 1884	595 00
added during the year	178 80
	<hr/>
Total	773 80
value of same Dec. 31, 1884	643 00
	<hr/>
Depreciation	130 80
Value of horses Jan. 1, 1884	3,750 00
added during the year (5) . \$1,555 00	
less for (2) horses sold	135 00
	<hr/>
Total	5,170 00
value of same Dec. 31, 1884	4,225 00
	<hr/>
Depreciation (including one horse that died)	945 00
	<hr/>
<i>Amount carried forward</i>	\$6,190 18

<i>Amount brought forward</i>		\$6,190 18
Value of stable utensils and property Dec. 31, 1884	172 65	
value of same Jan. 1, 1884	\$127 65	
added during the year	30 40	
	<hr/>	
Total	158 05	
increase in value		14 60
		<hr/>
Total expenses of city teams		\$6,175 58
		<hr/>
Excess of earnings, as hereinbefore stated under the heading of "Receipts and Credits"		\$1,154 55
		<hr/> <hr/>

The charges for crushed stone, and the cost of the same, have been as follows : —

Charges, —

For 6,925 loads at crusher, at \$1.00	\$6,925 00	
11½ loads delivered, at \$1.25	14 38	
	<hr/>	6,939 38
on hand Dec. 31, 1884, 508 loads at \$1.00		508 00
received for old materials sold		6 80
		<hr/>
Total charges and receipts		\$7,454 18
		<hr/> <hr/>

Cost, —

On hand Jan. 1, 1884 : —		
crushed stone, 210 loads at \$1.00	\$210 00	
stone for crusher, 30 loads at 60 cents	18 00	
	<hr/>	228 00
cost of ledge and field-stone delivered at crusher, 6,884 loads at 60 cents		4,130 40
cost of labor and teaming at crusher		1,503 51
“ repairs and renewal of machinery, exclusive of new engine and boiler		333 46
“ fuel		303 36
“ water		22 50
“ steam-boiler insurance		15 00
		<hr/>
<i>Amount carried forward</i>		\$6,536 23

<i>Amount brought forward</i>		\$6,536 23
Value of crusher, machinery, and fittings, Jan. 1, 1884	1,206 60	
added new boiler and engine,	1,004 79	
less for old engine and boiler,	200 00	
	804 79	
Total	2,011 39	
value of same Dec. 31, 1884	1,612 05	
	399 34	
Depreciation		399 34
Total cost		\$6,935 57
Excess of charges, as hereinbefore stated		\$518 61

The charges for Holland Street ledge-stone, and the cost of the same, have been as follows: —

Charges, —

For 5,118 loads delivered at crusher, at 60

cents \$3,490 80

2,241 loads ballast at ledge, at 20 cents, 448 20

50 loads cellar-stone at ledge, at 50 cents 25 00

Total 3,964 00

Cost, —

labor and teaming 3,362 09

powder and fuse, and expressing 277 23

lumber 1 00

Total 3,640 32

Excess of charges, as hereinbefore stated \$323 68

In addition to the above, labor and materials have been furnished, and the treasurer has received payment for the same, as follows: —

To private parties, constructing driveways and side-

walks, selling hay, etc. \$1,121 42

committee on public property, work at schoolhouses, 39 52

Total \$1,160 94

SIDEWALKS ACCOUNT.

CREDIT.

Appropriation	\$3,000 00	
less transfer to highways account	1,400 00	
	<hr/>	
Net credit		1,600 00

DEBIT.

Expenditures : —

For Appleton Street (gravel)		
sidewalks	1,123 42	
Church Street (gravel) side-		
walks	804 12	
Pleasant Avenue (gravel)		
sidewalks	799 00	
Summer Street (gravel) side-		
walks	156 40	
	<hr/>	

Total cost of sidewalks	2,882 94
less assessments	1,441 47
	<hr/>

Net cost to city	1,441 47
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advertising notices of hearings for side-		
walks in Dover Street, Spring Street,		
and Linwood Street.	34 80	
advertising for proposals for edge-stones,	7 80	
	<hr/>	

Total debit		1,484 07
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Balance unexpended		<u>\$115 93</u>
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WATERING STREETS ACCOUNT.

CREDIT.

Appropriation	\$3,000 00
Receipts from abutters and horse-railroad	
companies for watering	3,790 30
Value of carts, stand-pipes, and hydrant-	
wrenches, Jan. 1, 1884	2,359 00
	<hr/>

Total credit (<i>Amount carried forward</i>)		\$9,149 30
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<i>Amount brought forward</i>		\$9,149 30
	DEBIT.	
Expenditures : —		
For teaming	\$3,908 77	
water	2,190 82	
repairs of carts	478 29	
repairs of stand-pipes and hydrants	34 25	
hose	23 51	
storage-shed on Oliver Street land	34 49	
advertising	12 00	
Value of carts, stand-pipes, and hydrant-wrenches, Dec. 31, 1884 (including one new stand-pipe, cost \$56.05)	2,280 00	
Value of paint-stock on hand Dec. 31, 1884,	49 00	
Depreciation in value of property	135 05	
Total debit		9,146 18
Balance unexpended		<u>\$3 12</u>

BROADWAY PARK MAINTENANCE ACCOUNT.

	CREDIT.	
Appropriation	\$1,500 00	
Receipts, for hay sold	30 13	
Value of property (tools, etc.) on hand Jan. 1, 1884	258 50	
Total credit		1,788 63
	DEBIT.	
Expenditures : —		
For labor and teaming	802 40	
loam	327 75	
gravel	7 56	
trees and plants	124 00	
repairing tools	19 76	
“ buildings	7 15	
oil	5 05	
<i>Amounts carried forward</i>	\$1,293 67	\$1,788 63

<i>Amounts brought forward</i>	\$1,293 67	\$1,788 63
expressing	1 90	
Value of property on hand Dec. 31, 1884 (including purchases during the year, 25 cents)	244 00	
Depreciation in value of property	14 75	
	<hr/>	
Total debit		1,554 32
		<hr/>
Balance unexpended		\$234 31
		<hr/> <hr/>

CENTRAL HILL IMPROVEMENT ACCOUNT.

CREDIT.

Appropriation	\$1,000 00
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DEBIT.

Expenditures : —

For trees	59 00
labor and lumber for tree-protectors	20 69
grass-seed	3 72
freight on cannons from Plymouth	150 00
teaming cannons	36 00
wharfage on cannons	5 00
lumber for care of cannons	10 35
labor and teaming at fort or breastwork,	243 44
stone for same	25 00
lime and cement for same	13 25

281 69

less stone sent to crusher 25 20

cost of fort to date 256 49

Total debit 541 25

Balance unexpended \$458 75

These figures are exclusive of work done at the Public Library building, and for the new schoolhouses on School and Tufts Streets, for which the account has been reimbursed.

EXTRAORDINARY EXPENSES.

A large draft has been made upon highways account in the past year for extraordinary expenses ; many of which should, in the judgment of this committee, have been provided for by special appropriations.

The cost of land taken for the extension of Evergreen Avenue from Thurston Street to Sycamore Street was \$4,794.21 : but of this the amount paid to public property account for land in the Forster School yard was transferred back to highways account, \$2,077.76 ; leaving the net draft upon highways account for the land, exclusive of the cost of construction, \$2,716.45.

The cost of land taken for Summit Avenue extension was \$1,118.00.

The reductions in the Columbus Avenue betterment assessments made by the courts, with the costs of court, have also been charged to highways account, and amounted to \$782.03.

The amount of the sewer assessment on the Bond Street ledge-lot was \$210.60.

The engine at the crusher gave out in the spring, and it became necessary to purchase a new one, at a cost of \$800.

Making, in all, \$5,627.08 in excess of the expenses of the department in ordinary years, while the appropriation was the same as in the preceding year. We have therefore been obliged to postpone work which should have been done, and for which the appropriation would have been sufficient had not the cost of these street-extensions been charged to it.

NEW STREETS.

Five streets have been laid out this year ; viz., Evergreen Avenue, from Thurston Street to Sycamore Street ; Glen Street, from Oliver Street to Tufts Street ; Little Washington Street, from Central Street to land formerly of Spear ; Pleasant Avenue, from Walnut Street to Vinal Avenue ; and Summit Avenue, from Walnut Street to Vinal Avenue.

Of these, Evergreen Avenue and Pleasant Avenue have been constructed ; and a walk has been made in Glen Street for the accommodation of the pupils of the new Davis School. No work has been done on Little Washington Street or Summit Avenue.

Evergreen Avenue, from School Street to Thurston Street, which was laid out in 1883, has also been constructed this year.

SIDEWALKS AND GUTTERS.

Sidewalks have been laid, under the sidewalk Act, and gutters paved, in the following named streets: Appleton Street, from Willow Avenue to Morrison Street, both sides; Church Street, from Somerville Avenue to Summer Street, both sides; Pleasant Avenue, from Walnut Street to Vinal Avenue, both sides; and Summer Street, from Laurel Street south-easterly about two hundred and sixty feet, south-westerly side.

All these sidewalks were with edge-stones, and covered with gravel; but the one on Summer Street has since been paved with bricks, which were furnished by the owner of the abutting estate, the labor being done by the city.

Sidewalks have also been constructed, and gutters paved, in various parts of the city, as specified in the accompanying tables, where the abutters have furnished the bricks and edge-stones.

CENTRAL HILL IMPROVEMENT.

The appropriation for this purpose this year was \$1,000, and it has been applied as hereinbefore stated.

Four cannons were donated to the city by the United States Government early in the year, and were delivered in the summer on the Central Hill land; the transportation being at the city's expense. It was at first proposed to erect these cannons in the form of a monument, but it was finally decided to mount them on a breastwork to be built on the line of the old Revolutionary defences, and an order was passed to that effect; the work to be constructed in accordance with a plan drawn by Major F. H. Parker, U.S.A., of the Watertown Arsenal. The breastwork is to be of stone on the inside, and earth on the outside; and considerable work has been done on the excavation and the stone wall.

The land has also been graded in front of the new Public Library building, and the driveways for said building have been partially constructed, — such filling as was required being carted to the new schoolhouses on School and Tufts Streets, — for all of which, Central Hill improvement account has been reimbursed from the appropriations for these new buildings.

This is all the work that has been done on the hill, except repla-

cing dead trees with new ones, and removing filling that was needed elsewhere.

STONE-CRUSHER.

The crusher has worked to good advantage, and aside from the change of engines, made as before stated at a cost of \$800, it has been run at moderate expense; the cost of crushed stone being less than one dollar per load, including sixty cents per load for the stone delivered from Holland Street ledge, which more than paid expenses there.

HORSE-RAILROADS.

The only extension of horse-railroad tracks made during the year was by the Middlesex Railroad, in Broadway and Main Street, from near Sycamore Street to the Medford line, connecting with the tracks already laid and operated from that point to Medford Centre, and completing a through line from Boston, *via* Somerville, to Medford.

RAILROAD BRIDGES.

The Boston and Lowell Railroad Company has rebuilt its wooden bridges at Walnut Street and Broadway, substantially the same as they were originally built; thus making them safe for public travel except in the matter of width, but not furnishing such bridges as would be considered desirable in main thoroughfares.

GENERAL.

The exceedingly heavy rain-storm which occurred in the summer did more damage to the highways than they have suffered before from a similar cause for several years, and the cost of repairing after it was large.

The removal of ice and snow has not been more expensive than in ordinary years.

The public park on Broadway has received the usual care.

Eighty-six trees, furnished by citizens, have been planted in the public streets at an expense of \$20.12; and we hope the number will increase from year to year.

We renew the recommendations made by our predecessors of 1882 and 1883, that a steam road-roller and picker be purchased.

Additional information of the work performed in this department may be gained from the following statements:

STREETS IMPROVED.

Name.	From	To	Improvement.	Feet.
Appleton . . .	Willow Avenue . .	Morrison . . .	Macadamized	750
Austin	Broadway	Mystic Avenue .	Gravelled	710
Broadway, south side	Boston Line	Cross	Remacadamized	2,480
Cedar	Arlington Railroad .	Lowell Railroad,	Macadamized	1,250
Church	Somerville Avenue .	Summer	Macadamized	640
College Avenue .	Broadway	Foot of hill . . .	Macadamized	1,200
Cross	Railroad Bridge . .	Webster	Remacadamized	1,500
Elmwood	Holland	Southerly	Macadamized	300
Evergreen Avenue,	School	Sycamore	Graded and macadamized,	780
Linwood	600 feet southerly from Washington	400 feet southerly from Poplar	Partially filled	1,000
Medford	Central	Partridge Avenue,	Filling and macadamizing,	1,050
Mystic Avenue .	Middlesex Avenue .	Union	Macadamized	1,300
Pearl	Pinckney	Mt. Vernon	Remacadamized	300
Pleasant Avenue .	Walnut	Vinal Avenue . . .	Graded and macadamized,	540
Poplar	Somerville Avenue .	Chestnut	Ballast and hard-pan . . .	600
Somerville Avenue, North side,	East Cambridge Line,	Prospect	Remacadamized	3,870
South side,	Medford	Laurel	Remacadamized	4,800
Both sides,	Laurel	Craigie	Remacadamized	2,200
Union Square . .	Entire,		Remacadamized	-
Webster Avenue .	Union Square . . .	Cambridge Line,	Remacadamized	1,970

SIDEWALKS CONSTRUCTED, WHERE THE MATERIALS AND LABOR WERE FURNISHED BY THE CITY, AND ONE-HALF OF THE COST WAS ASSESSED UPON ABUTTING ESTATES.

Street.	From	To	Feet of Edge-stone.
Appleton	Willow Avenue	Morrison	1551.8
Church	Somerville Avenue . .	Summer	1274.0
Pleasant Avenue	Walnut	Vinal Avenue	1119.0
Summer, south-west side	Laurel	South-easterly	249.0

SIDEWALKS CONSTRUCTED, WHERE EDGE-STONES AND BRICKS WERE FURNISHED BY THE ABUTERS.

For	Street.	Feet of Edge-stone.	Yards of Brick.
John L. Ambrose	Columbus Avenue . . .	119.0	-
James W. Brine	Columbus Avenue . . .	14.8	21.8
Charles River Street Railway Company	Summer and School . .	180.8	-
E. W. Cummings	Myrtle	26.0	17.5
Charles A. Cushman	Columbus Avenue . . .	37.7	27.6
Alexander Foster	Summer	-	208.0
A. E. Hughes	Myrtle	57.2	42.6
Eva G. Lord	Aldersey	-	27.2
John Medina	Curtis	194.8	-
M. C. Parkhurst	Columbus Avenue . . .	67.3	43.0
N. Richardson	Myrtle	27.0	18.1
L. J. Sturtevant	Columbus Avenue . . .	110.4	-
R. H. Sturtevant	Columbus Avenue . . .	334.7	-
B. F. Thompson	Columbus Avenue . . .	39.0	-

DRIVEWAYS CONSTRUCTED.

FOR.	STREET.
F. J. Baldwin	Springfield.
Howard B. Chase	Webster Avenue.
George H. Crosby	Franklin.
Milo Crane	Flint.
Charles Davis	Rush.
W. A. Hunnewell	Cedar.
M. O'Neil	Bonair.
William H. O'Shea	Oak.
Samuel Stephens	Walnut.
R. A. Vinal and S. E. Sewall	Somerville Avenue.
Horatio Wellington & Co.	Union Square.
T. C. Woodward	Bonair.
Mrs. M. D. Wright	Mossland.
Thomas Young	Highland Avenue.

DRIVEWAYS RECONSTRUCTED.

FOR.	STREET.
Cooper Brothers	Broadway.
C. F. Crosby	Franklin.
Locke & Co.	Washington.

CROSSINGS CONSTRUCTED.

- Broadway, from easterly side of Union Street to westerly side of Mount Vernon Street.
- Broadway, at head of Dartmouth Street.
- Cherry Street, easterly side, across Summer Street.
- Cross Street, in line with northerly side of Gilman Street.
- Franklin Street, in line with southerly side of Webster Street.
- Marshall Street, from southerly side Oakland Avenue to passage-way.
- Summer Street, across end of Vinal Avenue.
- Summer Street, southerly side, across Cedar Street.
- Sycamore Street, in line with southerly side of Evergreen Avenue.
- Washington Street, across end of Shawmut Street.
- Washington Street, southerly side, across Medford Street.

CULVERTS CONSTRUCTED.

Cedar Street, wooden	.	.	.	.	.	.	.	.	1
College Avenue, "	.	.	.	.	.	.	.	.	1
Medford Street, "	.	.	.	.	.	.	.	.	2
School Street, "	.	.	.	.	.	.	.	.	1
Walnut Street, "	.	.	.	.	.	.	.	.	2

DANGER-SIGNS ERECTED.

- Chapel Street, southerly side of Broadway.
- Claremon Street, southerly side of Holland Street.
- Lowell Street, southerly side of Medford Street.
- Mead Street, westerly side of Cameron Avenue.
- Moore Street, northerly side of Mead Street.
- Moore Street, southerly side of Holland Street.
- Oxford Street, easterly side of Central Street.
- Partridge Avenue, northerly side of Medford Street.
- Partridge Avenue, southerly side of Broadway.
- Tennyson Street, northerly side of Medford Street.
- Tennyson Street, southerly side of Medford Street.

STREET-SIGNS ERECTED.

Boston Street (2).	Porter Street.
Chester Avenue (2).	Russell Square.
Hathorn Street.	School Street (2).
Holland Street.	Vernon Street (2).
Munroe Street.	Wheatland Street.

EDGE-STONES AND PAVING.

Whole number of lineal feet of edge-stones set (including 203 feet reset), 5,605.5 ; whole number of square yards of brick paving laid (including 735 yards re-laid), 1,141 ; whole number of square yards of stone paving laid (including 556 yards re-laid), 2,650.

For the committee,

HIRAM D. SMITH, *Chairman.*

GEORGE I. VINCENT, *Clerk.*

REPORT OF THE COMMITTEE ON SEWERS.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 3, 1885.

Report accepted, and referred to the next city council, to be printed in the annual reports. Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Jan. 3, 1885.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

REPORT OF THE COMMITTEE ON SEWERS.

IN COMMITTEE ON SEWERS, Jan. 3, 1885.

To the Board of Aldermen of Somerville.

THE following is respectfully submitted as the final report of this committee for the year 1884.

SEWERS ACCOUNT.

CREDIT.	
Appropriation	\$10,000 00
Transfers : —	
From school-fuel account	300 00
street-lights account	400 00
	700 00
Receipts and Credits : —	
For catch-basin curbs in side-walks, —received credit from highways account	5 73
catch-basin curbs in sidewalks, —received credit from side-walks account	19 41
fee for entering Russell Street sewer	55 32
fee for drainage of asylum buildings into Fitchburg Street sewer	50 00
	130 46
Value of materials on hand Jan. 1, 1884	274 21
Value of tools and property Jan. 1, 1884	344 75
	11,449 42
Total credit.	11,449 42

DEBIT.

Expenditures : —

For fourteen sewers, as per			
table	\$18,810	98	
less assessments	14,310	15	
	<hr/>		
cost to city			4,500 83
less amounts due contractors			
in 1885	1,260	94	
and bill for drain-pipe in			
Clyde Street sewer unpaid	104	74	
	<hr/>		1,365 68
			<hr/>
			3,135 15
For relaying Beech Street sewer			
at a lower grade	646	19	
less assessments	131	40	
	<hr/>		
cost to city			514 79
less amount due contractor in 1885			42 58
			<hr/>
			472 21
For relaying Poplar and Linwood Streets			
sewers	2,294	34	
less amount due contractor in 1885	192	16	
	<hr/>		2,102 18
For five catch-basins (average \$73)	365	00	
less amount due contractor in 1885	20	00	
	<hr/>		345 00
For moving two catch-basins in Church			
Street	93	50	
less amount due contractor in 1885	13	50	
	<hr/>		80 00
For repaving in Union Square over sewer laid in 1882			101 10
five-ninths cost of removing deposit from mouth of			
Bridge Street sewer	1,714	70	
repairing sewers and drains	135	15	
flushing sewers	171	27	
cleaning sewers	49	75	
examining sewers	104	38	
repairing catch-basins	126	64	
changing lines and grades of catch-basins	23	15	
cleaning catch-basins	1,101	92	

clearing mouths of catch-basins	\$197 27
filling catch-basins with water	3 25
examining catch-basins	6 87
repairing manholes	53 22
changing lines and grades of manholes	39 38
cleaning ditches	26 61
inspecting sewers built by abutters in Dartmouth, James, and Tennyson Streets, and Hawkins Park .	71 50
building stone wall in mouth of culvert leading to Washington Street sewer near Fitchburg Railroad bridge	14 88
books, stationery, and printing	15 50
repairing tools and property	30 91
arranging tools and property	4 00
sundry small expenses	27 55
abatement of assessment of 1883	3 29
balance due Dennis O'Connell on Oakland Avenue and School Street sewer, constructed in 1883 .	490 17
Depreciation in value of materials	49 41
“ “ tools and property	37 80
Value of materials on hand Dec. 31, 1884	228 94
Value of tools and property on hand Dec. 31, 1884 (in- cluding purchases during the year \$22.80)	329 75
	<hr/>
Total debit	\$11,292 90
	<hr/>
Balance unexpended	\$156 52
	<hr/> <hr/>

Bills of 1884 remain unpaid as follows : —

Favor Putterill & Killian, balance due on Partridge Avenue sewer, Feb. 28, 1885	\$32 86
Richard Falvey, balance due on Poplar and Linwood Streets sewer, Feb. 16, 1885	192 16
Patrick Terry, balance due on Cutter Ave- nue and Graves Street sewer, Feb. 23, 1885	45 50
balance due on Morrison and Cedar Streets sewer, June 4, 1885	576 01
	<hr/>
	621 51
	<hr/>
<i>Amount carried forward</i>	\$846 53

<i>Amount brought forward</i>	\$846 53
Charles A. Mongan, balance due on Durham Street sewer, Feb. 28, 1885	16 19
on account construction Clyde Street sewer	242 51
balance due on Clyde Street sewer, June 29, 1885	93 61
balance due on Pinckney Street sewer, Feb. 16, 1885	31 12
balances due on catch-basins in 1885,— March 13, \$7; March 16, \$6.50; March 18, \$6.50; and April 22, \$13.50	33 50
	<hr/>
	416 93
John J. Dorey, balance due on Murdock Street sewer, May 27, 1885	71 10
Maurice Terry, balance due on Medford Street sewer, Feb. 12, 1885	152 04
balance due on Beech Street sewer, June 5, 1885	42 58
	<hr/>
	194 62
Howe & Flint, for a portion of the drain-pipe used in Clyde Street sewer	104 74
	<hr/>
	1,633 92
The following bill of 1883 remains unpaid, awaiting the result of an accident suit :—	
Favor Richard Falvey, balance for constructing Shawmut and Alston Streets sewer	99 33
	<hr/>
Total of unpaid bills	\$1,733 25
Work has been done for other departments, and credit has been received for the same, as follows :—	
For the Board of Health (Health Department account), draining water from Murdock Street	\$3 00
the committee on public property (schoolhouse incidentals account), laying drains at Bennett, Jackson, and Highland Schools	156 29
the Water Board (water maintenance account), repairing sewer in Franklin Street, and catch-basin in Flint Street, damaged by water department	59 72
	<hr/>
Total	\$219 01

In addition to the above, private work has been done,
 and the treasurer has received payment for the
 same, to the amount of \$14 74

An unusually great length of sewers has been laid in the past year, and the amount of extraordinary expense has been large. For a number of years, the necessity for reconstructing the greater part of the sewer in Linwood Street has been recognized by the committee on sewers; and this year, as the city council decided to raise the grade of the street, the work had to be done, involving an expense, as hereinbefore stated, of \$2,294.34. The city of Cambridge also deemed it necessary this year to remove the deposit from the mouth of the Bridge Street sewer; and Somerville's part of the expense, as before stated, amounted to \$1,714.70. These two items may properly be termed extraordinary expenses; for although the dredging at the Bridge Street sewer outlet was done last year, at a cost nearly as great as the sum just mentioned, yet its recurrence this year was not anticipated when the annual appropriations were made.

We present herewith a list of sewers built during the year.

For the committee,

ALBION A. PERRY, *Chairman.*
 GEO. I. VINCENT, *Clerk.*

SEWERS BUILT IN 1884.

Street.	From.	To.	Length in Feet.	Cost.	Assessment.	Cost to City.
Clyde	Cedar Street	Murdock Street	594	\$1,329 84	\$910 34	\$419 50
Cutter	Near Broadway	—	368.8	420 88	405 20	15 68
Cutter Avenue	Summer Street	Private Lands	309.1	1,255 86	1,232 36	23 50
Private Lands	Cutter Avenue	Graves Street	137.8			
Graves	Private Lands	Willow Avenue	616.6	514 02	426 20	87 82
Durham	Beacon	Hanson	434.7			
Highland Avenue	Near Sycamore Street	Near Trull Lane	394.5	508 52	486 25	22 27
Jaques	End of old sewer	Bond Street	244.1	1,502 00	1,193 81	308 19
Bond	Jaques Street	Near Broadway	531.9			
Medford	Adams Street	Partridge Avenue	834.5	1,764 35	1,042 42	721 93
Murdock	Cedar Street	Clyde Street	786	1,185 72	1,184 50	1 22
Morrison	Willow Avenue	Cedar Street	1,436.7	6,273 20	3,575 24	2,697 96
Cedar	Morrison Street	Murdock Street	848.3			
Pinckney	Washington Street	Angle	443.2	549 79	529 59	20 20
Partridge Avenue	Medford Street	Near Broadway	459.0	514 95	514 08	87
Pleasant Avenue	Walnut Street	Near Vinal Avenue	493.4	558 94	539 23	19 71
Porter	Williams Court	Brastow Avenue	900.5	2,069 63	2,002 18	67 45
Brastow Avenue	Porter Street	Near Lowell Street	650.5			
School	End of old sewer	Highland Avenue	58.4	363 28	268 75	94 53
Highland Avenue	School Street	North-westerly	169.6			
			10,711.6	\$18,810 98	\$14,310 15	\$4,500 83

SEWERS REBUILT IN 1884.

Poplar	Maple Street	Linwood Street	233.6	\$2,294 34	—	\$2,294 34
Linwood	Near Linwood Place	Northerly	1,006.0			
Beech	Spring Street	Harvard Street	248.3	646 19	\$131 40	514 79
Spring	Near Beech Street	Beech Street	66.7			
			1,554.6	\$2,940 53	\$131 40	\$2,809 13

REPORT OF THE CITY ENGINEER.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 28, 1885.

Referred to the committee on printing, to be printed in the annual reports.
Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Jan. 28, 1885.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

CITY OF SOMERVILLE.

CITY ENGINEER'S OFFICE, Jan. 21, 1885.

To his Honor the Mayor and City Council.

GENTLEMEN, — In accordance with the provision of the city ordinance in relation to city engineering, I herewith submit my annual report for the year 1884.

SEWERS.

Ten thousand seven hundred and eleven and six-tenths feet of sewers were built during the year, of which 2,271.2 feet were of brick, and 8,440.4 feet of pipe. In these sewers were built thirty-nine man-holes.

Fifteen hundred and fifty-four and six-tenths feet of sewers have been rebuilt at a lower grade.

Fourteen hundred and forty-six and five-tenths feet of pipe sewers have been built by private parties, under the direction of the city engineer.

The following table will show the location, size, length, cost, assessment, etc., of each sewer :—

TABULAR STATEMENT OF SEWERS BUILT IN 1884.

LOCATION.		CONSTRUCTION.								COST.				
Name of Street.	From	To	Built by	Materials.	Size Inches.	Manholes.	Inlets.	Length in Feet.	Average Cut.	Aver. Cost per foot.	Total Cost.	Assessment.	Cost to City.	
1 Clyde	Cedar Street	Murdock Street	John J. Dorey	Akron pipe	12	2	31	594	10.5	\$2 24	\$1,329 84	\$910 34	\$419 50	
2 Cutter	Near Broadway	Sibley Court	Putterill & Killian,	"	12	2	30	368.8	6.2	1 14	420 88	405 20	15 68	
3 Cutter Avenue	Summer Street	Private Lands	Patrick Terry	"	12	1	16	309.1	8.9	1 18	1,255 86	1,232 36	23 50	
Private Lands	Cutter Avenue	Graves Street	"	"	12	2	8	137.8						
Graves	Private Lands	Willow Avenue	"	"	12	2	40	616.6	7.0	*	-	-	-	
2 Dartmouth	Evergreen Avenue	Near Broadway	Maurice Buttiner,	"	10	2	26	583.5	9.3	1 18	514 02	426 20	87 82	
Durham	Beacon Street	Hanson Street	Chas. A. Mongan,	"	12	2	31	434.7	7.0	*	-	-	-	
Hawkins Park	Bow Street	North-easterly	Dennis Ryan	"	8	12	12	273.5						
Highland Ave.	Near Sycamore St.	Near Trull Lane	Paul Kelly	"	6	1	10	104.0	11.5	1 29	508 52	486 25	22 27	
3 James	Pearl Street	Near Veazie Street,	Richard Falvey	"	12	1	15	304.5	-	*	-	-	-	
4 Jaques	End of old sewer	Bond Street	John J. Dorey	"	12	1	13	244.1	9.1	1 94	1,502 00	1,193 81	308 19	
5 Bond	Jaques Street	Near Broadway	"	"	12	2	37	531.9						
Medford	Near Adams Street,	Partridge Avenue	Maurice Terry	Brick	17x24	3	60	834.5	11.9	2 11	1,764 35	1,042 42	721 93	
Murdock	Cedar Street	Clyde Street	John J. Dorey	Akron pipe	12	2	55	786.0	6.7	1 51	1,185 72	1,184 50	1 22	
Morrison	Willow Avenue	Cedar Street	Patrick Terry.	Brick	17x24	3	111	1,436.7	12.7	2 75	6,273 20	3,575 24	2,697 96	
6 Cedar	Morrison Street	Murdock Street	"	"	17x24	4	61	848.3	7.4	1 24	549 79	529 59	20 20	
Pinckney	Washington Street	Angle	Chas. A. Mongan,	Akron pipe	12	3	25	443.2						
Partridge Ave.	Medford Street	Near Broadway	Putterill & Killian,	Portland pipe,	12	1	27	459.0	7.1	1 12	514 95	514 08	87	
Pleasant Ave.	Walnut Street	Near Vinal Avenue,	Dennis O'Connell,	Akron pipe	12	2	27	493.4	8.5	1 13	558 94	539 23	19 71	
Porter	Williams Court	Brastow Avenue	Maurice Terry	"	12	4	51	900.5	10.1	1 33	2,069 63	2,002 18	67 45	
Brastow Ave.	Porter Street	Near Lowell Street.	"	"	12	2	39	650.5						
School	End of old sewer	Highland Avenue	Patrick Terry.	"	12	1	1	58.4	11.4	1 59	363 28	268 75	94 53	
Highland Ave.	School Street	North-westerly	"	"	12	1	9	169.6						
Tennyson	Medford	Southerly	Paul Kelly	"	10	-	7	181	6.8	*	-	-	-	
			Total length of sewers built by city						10,711.6	-	-	\$18,810 98	\$14,310 15	\$4,500 83

REBUILT.

Name of Street.	From	To	Built by	Materials.	Size Inches.	Manholes.	Inlets.	Length in Feet.	Average Cut.	Aver. Cost per foot.	Total Cost.	Assessment.	Cost to City.	
7 Beech	Spring Street	Harvard Street	Maurice Terry	Akron pipe	12	2	15	248.3	10.0	\$2 05	\$646 19	\$131 40	\$514 79	
8 Spring	Near Beech Street	Beech Street	"	"	12	4	4	66.7						
Poplar	Maple Street	Linwood Street	Richard Falvey	Brick	22x33	-	18	233.6	7.4	1 85	2,294 34	-	2,294 34	
Linwood	Near Linwood Pl.	Northerly	"	"	22x33	3	115	1,005.0						
			Total length of sewers built by city						1,554.6	-	-	\$2,940 53	\$131 40	\$2,809 13

1 190 cubic yards of rock. 2 22.8 cubic yards of rock. 3 21 cubic yards of rock. 4 172.83 cubic yards of rock. 5 6.57 cubic yards of rock.
 6 456 5 " " 7 15.08 " " 8 18.75 " " * Built by private parties.
 Total length of sewers built by city previous to Jan. 1, 1884. 182,453.4 feet.
 " " during the year 1884 10,711.6 " or 36.6 miles.
 " " of public sewers in city, Jan. 1, 1885. 193,165.0 " or 36.6 miles.

POPLAR AND LINWOOD STREETS SEWER.

That portion of the sewer in Poplar Street between Maple and Linwood Streets, and in Linwood Street from near Congress Place northwardly, a distance of one thousand and six feet, was rebuilt at a lower grade. These sewers were built in 1868, and were found to be irregular in grade, and, at places, nearly full of deposit.

The expense of this improvement was \$2,294.34 ; all of which was borne by the city, the abutting estates having been assessed in 1868.

BEECH STREET SEWER.

This sewer was built in 1869, and was not deep enough to drain the abutting estates on the lower side of the street. During the year 315 feet of the sewer were relaid at a lower grade, at an expense of \$646.19, of which \$131.40 was assessed on the estates not assessed in 1869.

MURDOCK AND CLYDE STREETS SEWERS.

Sewers were laid in Murdock and Clyde Streets, where they have been much needed for many years. It was necessary to build a long line of sewer in Morrison and Cedar Streets to provide an outlet.

The total cost of the work was \$8,688.76 ; of which \$5,670.08 was assessed on the abutters, leaving \$3,018.68 to be borne by the city. A large amount of rock excavation was necessary in the construction, which materially increased the cost of the work.

CRAIGIE BRIDGE SEWER OUTLET.

On account of the numerous complaints made by the owners of property in the vicinity of this sewer-outlet, the cities of Cambridge and Somerville again dredged and removed the deposit, at a cost of \$1,714.70 to Somerville.

This expense is now incurred nearly every year, and is a large item in the cost of the maintenance of our sewers.

PRIVATE DRAINS.

Two hundred and seventy-eight permits were issued for laying private drains, — 262 for new connections, and 16 for repairs.

The present number of licensed drain-layers is twenty-eight.

CATCH-BASINS.

Five catch-basins were built during the year, under a contract with Charles A. Mongan, at an average cost of seventy-three dollars.

EXAMINATION OF SEWERS.

All the sewers that are provided with manholes have been examined, and many small defects remedied.

I would recommend that all the sewers in the city be examined annually, as many defects may be discovered, which, if allowed to remain, would result in serious damage.

SIDEWALKS.

The following table will show the sidewalk improvements during the year :—

Street.	Side.	From	To	Materials.	Approx. length of walk in feet.	Cost.
Appleton.	Both.	Morrison St.	Willow Av.	Gravel and edge-stones.	1,551.8	\$1,123.42
Church.	Both.	Somerville Av.	Summer St.	“ “ “	1,274.0	804.12
Pleasant Av.	Both.	Walnut St.	Vinal Av.	“ “ “	1,119.0	799.00
Summer.	South.	Laurel St.	Easterly.	“ “ “	249.0	156.40
Total,					4,193.8	\$2,882.94

The board of aldermen assessed one-half the cost on the abutters.

STREETS.

The following table will show the streets accepted by the city council during the year :—

STREETS ACCEPTED IN 1884.

Name of Street.	From	To	Width in feet.	Length in feet.
Evergreen Avenue.	Sycamore Street.	Thurston Street.	40	315
Glen.	Tufts Street.	Oliver Street.	40	717
Little Washington.	Central Street.	Easterly.	40	692
Pleasant Avenue.	Walnut Street.	Vinal Avenue.	40	542
Summit Avenue.	Walnut Street.	Vinal Avenue.	45	531
Total,				2,797

STREET NUMBERING.

Eight streets have been numbered during the year, and notices sent to each house. Plans are now being prepared for several others.

SURVEY OF THE CITY.

There was expended on this work the sum of \$298.27. Surveys

were commenced, and partially plotted, for a large tract on the southerly slope of Spring Hill, and on the north-westerly slope of Winter Hill.

Tracings were made of a portion of East Somerville and the southerly slope of Central Hill, from which copies can be reproduced by means of the "blue process." The surveys above mentioned were made in districts where improvements have been ordered, such as the building of sewers, streets, etc. ; and on this account the work already performed is scattered in different parts of the city, and only a small portion in any part of the city is complete. If an additional sum could be expended, and the thickly settled portions of the city completed, I believe it would be for the interest of the city.

STONE BOUNDS.

For the purpose of marking the lines of streets, thirty-five granite bounds have been set during the year. They are five feet long, and about eight inches square, set with the top of the bound level with the surface of the street.

The following table will show the location of each bound : —

Austin Street,	west side,	at north side of	Broadway.
"	"	"	" near Benedict Street.
"	"	"	" at south side of Mystic Avenue.
Cross	"	"	" at north side of Broadway.
"	"	"	" south side of Mystic Avenue.
Eliot Street,	south side,	at east side of	Park Street.
"	"	"	" west side of Vine Street.
Evergreen Avenue,	north side,	at west side of	School Street.
"	"	"	" " " " Dartmouth Street.
"	"	"	" east side of Thurston Street.
"	"	south side,	at west side of Thurston Street.
"	"	"	" east side of Sycamore Street.
Highland	"	"	" " " " Central Street.
"	"	two on each side	at curve east of Central Street.
Jaques Street,	south side,	at east side of	Temple Street.
Linden Avenue,	west side,	at south side of	Summer Street.
Concord	"	south side,	at west side of Springfield Street.
"	"	north side,	at south side of Newton "
"	"	south side,	at west side of Prospect "
Columbus	"	"	" angle east of Warren Avenue.
Mystic	"	"	" west side of Winthrop "

Mystic Avenue, south side, at east side of Chauncey Avenue.
 Newton Street, east side, at south side of Webster “
 Oliver “ south side, at angle east of Glen Street.
 “ “ “ “ “ “ west of “ “
 Springfield Street, west side, at Cambridge line.

STONE BOUNDS SET IN 1881.

[No list published in report for that year.]

Gilman Street, north side, at angle nearest Walnut Street.
 “ “ “ “ “ “ near Cross Street.
 “ “ “ “ “ “ west side of Cross Street.
 North “ west side, at north side of Broadway.
 “ “ “ “ “ “ summit near Broadway.
 “ “ east side, at angle in “ hollow.”
 “ “ “ “ “ “ near T. R. Cook’s house.
 “ “ “ “ “ “ at Medford line.
 Park “ “ “ “ P. C., south of Fitchburg Railroad.
 “ “ “ “ “ “ near Eliot Street.
 “ “ “ “ “ “ angle south of Eliot Street.
 Pleasant Avenue, south side, at west side of Walnut Street.
 “ “ “ “ “ “ east side of Vinal Avenue.
 Porter Street, east side, at south side of Summer Street.
 Prospect Hill Avenue, north side, at west side of Medford Street.
 “ “ “ “ “ “ east side of High Street.
 Russell Street, west side, at north side of Cottage Avenue.
 Vinal Avenue, east side, at angle near Pleasant Avenue.
 “ “ west side, at north side of Summer Street.

STONE BOUNDS SET IN 1876.

[No list published in report for that year.]

Broadway, south side, at angle west of Cross Street.
 “ “ “ “ east side of Central Street.
 “ north side, at east side of Chauncey Avenue.
 “ “ “ “ west side of Winthrop Avenue.
 Concord Avenue, south side, at angle opposite Marion Street.
 “ “ “ “ “ “ 150 feet west of Marion Street.
 “ “ north side, at angle 150 “ “ “ “ “
 “ “ south side, at angle 31 feet east of Leon Street.

BRIDGES.

The bridge over the Boston and Lowell Railroad at Broadway has been removed, and a wooden bridge built on the same abutments, with a high board fence on each side; that over the same railroad at Walnut Street has been rebuilt of wood, and widened, and a high board fence built on each side. The bridges over this road at Cross, Medford, School, and Central Streets are all in good condition; that at Cedar Street should be rebuilt at an early day. Of the bridges above named, those at Walnut, School, and Cedar Streets, and Broadway, are not as wide as the streets on each side.

I would also call the especial attention of the city council to the roadway under the Boston and Lowell Railroad at Washington Street. The recent decision of the Supreme Court against the city, in the case of *Whicher vs. Somerville*, where the defendant was damaged by running his team into a fence dividing the roadway from the elevated portion occupied by the horse-railroad, would indicate that the city is liable for damages for any accidents occurring under this bridge, and on its approaches. I am also informed that other accidents have occurred at this place in former years. I would therefore recommend that such changes be made under the bridge, and on its approaches, as will make it safe for public travel.

The bridges over the Fitchburg Railroad at Beacon and Washington Streets are in good condition, but that over this railroad at Prospect Street is too narrow for the convenience and safety of public travel.

The stone arch-bridge over Alewife Brook at Broadway, and the wooden bridge over the Mystic River at Boston Avenue, are both in good condition.

The wooden drawbridge over the Mystic River at Middlesex Avenue needs repairs. This bridge was built twelve years ago, and many of the timbers and some of the piles have decayed. Parts of the sidewalks were replanked during the year, and further repairs will be needed early next season. By an order of the County Commissioners, the bridge and draw are maintained by the town of Medford, the city of Somerville to pay one-half of the expense. The cost to Somerville during the last five years has been as follows: 1880, \$546.26; 1881, \$373.42; 1882, \$421.84; 1883, \$501.69; 1884, \$477.57.

WATER-WORKS.

Lines and grades have been given for laying water-pipes and setting hydrants. All water-service pipes have been located and properly recorded in books for the purpose.

MISCELLANEOUS.

Street lines and grades have been furnished to parties for building-purposes. Levels have been taken, and benches established, and plans made for suits at law, and other miscellaneous work has been done.

EXPENSES.

The expenses of the department for the year 1884 were as follows : —

Salary of city engineer, including maintenance of a team	\$2,000 00
Salaries of assistants	1,330 29
Salaries of assistants for survey of city	298 27
Repairing instruments, stationery, spikes, tools, fares, etc.	211 48
Total expense of department	\$3,840 04

Respectfully submitted.

GEORGE A. KIMBALL,
City Engineer.

REPORT
OF THE
COMMITTEE ON FIRE DEPARTMENT.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 3, 1885.

Report accepted, and referred to the next city council to be printed in the annual reports. Sent down for concurrence.

CHARLES E. GILMAN, *City Clerk.*

IN COMMON COUNCIL, Jan. 3, 1885.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

CITY OF SOMERVILLE.

IN COMMITTEE ON FIRE DEPARTMENT, Dec. 31, 1884.

To the City Council of Somerville.

The following is respectfully submitted as the final report of this committee for the year 1884.

MANUAL FORCE.

The manual force of the department is now sixty-one men, as follows:—

Chief engineer	1
Assistant engineer	1
1 hook and ladder company	15
1 steamer company	12
4 hose companies, 8 men each	32
Total	<hr/> 61

This is a reduction of ten call-men from last year's force, the call-force of the four hose companies and the steamer company being reduced two men each. The pay of the call-force was raised from seventy-five dollars to ninety-six dollars per year; and, with a very few exceptions, the members of the department are men who have employment in this city. The result of this change is, that the number of call-men absent at fires has averaged but one man from each company at each alarm; showing that under this new plan the call-men are better paid, and the department has a larger force at fires, than under the old system.

The record of fires this year shows that of the 45 alarms, 24 were given between seven A.M. and six P.M., and 21 were given between six

P.M. and seven A.M. ; which shows it is just as important to have a call-force that can answer to the alarms given during the working-hours of the day as at night.

The department is small, compared with the territory covered and the large amount of property to be protected. We have had a correct record kept of the actual service of the department ; and, to show the amount of work that our firemen have done in the last year, we give a few figures, that may be interesting to you and to the citizens generally.

ALARMS.

From box 12, alarms during the year	10
“ “ 112, “ “ “	1
“ “ 13, “ “ “	1
“ “ 18, “ “ “	2
“ “ 21, “ “ “	5
“ “ 24, “ “ “	3
“ “ 25, “ “ “	7
“ “ 26, “ “ “	1
“ “ 27, “ “ “	4
“ “ 28, “ “ “	1
“ “ 228, “ “ “	1
“ “ 35, “ “ “	3
“ “ 38, “ “ “	1
“ “ 41, “ “ “	1
“ “ 43, “ “ “	1
“ “ 47, “ “ “	1
“ “ 48, “ “ “	2
Total	<u>45</u>
Hose laid	30,250 feet.
Ladders used	1,880 “
Distance run by steamer	91 miles.

This record shows that the department has had a large amount of work to do ; and it gives us pleasure to say that it has this year, as well as in former years, done prompt and efficient service.

The houses and apparatus of this department are in good condition, but it is important that some hose should be purchased the

coming year; and we are in hopes that, at no distant date, the city council will provide additional apparatus for the department.

The following is a statement of the receipts and expenses for the year ending Dec. 31, 1884.

FIRE-DEPARTMENT ACCOUNT.

Appropriation	\$22,000 00	
Receipts and credits for articles sold	103 75	
	<hr/>	
Total credit		\$22,103 75
Expenses: —		
For salaries of permanent men	\$8,585 81	
“ “ call-men	5,037 33	
substitute drivers	267 06	
improvement and repairs of apparatus and vehicles	443 18	
new vehicles	30 00	
improvements and repairs of buildings and furniture, and new furniture	1,583 09	
fire-alarm telegraph, maintenance and ex- tension of, including one new box and new batteries for two of the three cir- cuits	1,019 31	
hose, repairing of, and new hose-pipes	200 31	
grain, etc.	477 44	
hay and straw	780 48	
fuel	543 53	
supplies	231 90	
horseshoeing	235 08	
water, for hydrants and dep't buildings	1,538 00	
gas	274 75	
ice	35 00	
insurance	55 50	
washing and ironing	129 62	
reservoirs, maintenance of	44 72	
harnesses and repairs of same	62 72	
incidentals	437 64	
	<hr/>	
<i>Amounts carried forward</i>	\$22,012 47	\$22,103 75

<i>Amounts brought forward</i>	\$22,012 47	\$22,103 75
fire extinguishers, — one new extinguisher, \$50.00 ; compound and barrel, \$24.25 ; gauge, \$3.00	77 25	
horse-medicine	1 55	
	<hr/>	
Total expenditure		22,091 27
		<hr/>
Unexpended balance		<u>\$12 48</u>

New Ladder-Attachments for Fire-Apparatus Account.

Appropriation	\$600 00
Expended : —	
For new ladder and hose-truck, combined	600 00

A fuller statement of the condition of the houses, apparatus, and fire-alarm telegraph of this department, and of the losses by fire, will be found in the report of the chief engineer, which we would request to be printed with this report.

For the committee,

LEVI F. S. DAVIS, *Chairman.*
GEO. I. VINCENT, *Clerk.*

REPORT

OF THE

CHIEF ENGINEER OF FIRE DEPARTMENT.

;

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 3, 1885.

Referred to the next city council, to be printed in the annual reports. Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Jan. 3, 1885.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

CITY OF SOMERVILLE.

OFFICE OF CHIEF ENGINEER FIRE DEPARTMENT, CITY HALL,
SOMERVILLE, MASS., Dec. 31, 1884.

To the Honorable Committee on Fire Department.

GENTLEMEN, — Agreeably with a vote of your committee, I herewith present to you a report of the operations of the Fire Department for the year 1884. This report contains a statement of the condition of the apparatus, and buildings occupied by the department; the number of fires; the causes thereof; the loss by fire, and the insurance, and the amount of insurance paid; also, suggestions for the purpose of maintaining its efficiency.

APPARATUS.

The apparatus in permanent service — namely, engine No. 1, hose-carriages Nos. 1, 2, 3 and 4, the steamer hose-carriage, and hook and ladder No. 1 — is in first-class condition.

We have, in addition to this apparatus, one steamer, one hose-carriage, and one hook-and-ladder truck, which are used for relief purposes. A new combination hose and ladder carriage has been placed in charge of hose company No. 4. This apparatus will meet our expectations; namely, furnish sufficient ladders for service until the arrival of the regular truck. The hose-carriage formerly used by No. 4 is now in service with steamer one. On account of the difficulty in raising the old-fashioned splice-ladder, I recommend the purchase of a Bangor telescope-ladder.

The apparatus named as in permanent service is the same in number as in 1874, — ten years ago. The population was then 18,000; it is now presumably 30,000. From the increase in the number of dwellings, churches, manufacturing and business interests, it is evident that there is double the amount of combustible property requiring protection from fire that there was at the period named. For this

reason I request the committee to consider the expediency of placing in permanent service another steam fire-engine, — either the old one or a new one. Other reasons may be stated why this is desirable : namely, the inefficiency of the water-supply in the elevated portion of our city ; and again, as we sometimes require assistance from our neighbors, we should be in such a condition as to render to them aid without jeopardizing the property of our own citizens.

SPRING HILL DISTRICT.

This section of our city is more remote from our fire stations than any other. The nearest piece of apparatus would be from five to six minutes in reaching box forty-six ; and, when the roads are slippery, the steamer would be ten minutes in getting to that box, it being necessary at such a time to go around Prospect Hill. The business interests in this district are the Middlesex Bleachery, the American Tube Works, Henderson's Carriage Factory, a casket factory, the Union and Charles River Railroad stables, and Reitenbach's Tannery. A piece of apparatus stationed on the city ledge-land, on Somerville Avenue, would be the first to reach the afore-mentioned property.

BUILDINGS.

The house of steamer company No. 1 was painted outside, the past year, and will require a new floor the coming year. The house of hose company No. 4 was also painted ; and the stable, fence, and storehouse connected with hook and ladder house No. 1 have been repaired and painted, and the general appearance of that station has been greatly improved. The store-shed in rear of hose-house No. 1 was repaired and painted, and new doors were placed in the back of the hose-house. A new furnace was also provided for heating this house.

The house of hose company No. 2 is in good condition inside : the exterior requires painting, and a storage-shed should be erected in the rear.

FIRE-ALARM TELEGRAPH.

This important branch of the service required great attention the past year. On account of the innumerable telephone-wires stretching in all directions, there has been frequent interference with our wires ; but, by prompt attention, no serious consequences resulted.

Our fire-alarm system has three circuits ; and if one of these is disabled, no alarm can be given in that portion of the city covered by

such circuit. I recommend that the circuits be made smaller, and that the three be divided into eight ; so that, if one becomes disabled, but a small portion of the city will be without the alarm ; the proximity of the other circuits furnishing adequate facilities in an emergency.

This is a most important matter, and should receive careful consideration. Some means should be devised for giving a more effective alarm in the Spring Hill District, either by attaching a striker to the Baptist church bell, or connecting with the whistle of some manufactory.

Thirty-four new poles were set ; one and one-half miles of new wire strung ; and one street-alarm box (19), and three office-boxes (221, 228, and 229), were located. These office-boxes were paid for by the owners of the premises wherein they are located, but will be used to give alarms for fire in the immediate vicinity.

Another matter of importance would be the connecting of the fire-alarm of the adjoining cities of Boston and Cambridge with that of Somerville : the advantage to be gained by having the means of promptly concentrating a strong force would far outweigh the small expense attending its construction.

HOSE.

There are now 5,550 feet of cotton hose in the department. Three hundred and fifty feet were destroyed at Walker's Oil Works and the Bleachery fire, but that has been replaced by the purchase of an equal amount of new hose. There should be sufficient hose in the department for an immediate change from wet to dry after service, as it impairs the usefulness of hose to allow it to remain on the reel wet more than twenty-four hours.

One thousand dollars should be applied for the purchase of hose the coming year. The old leather hose in the department is unfit for service.

HYDRANTS.

One of the most important auxiliaries to the successful working of the fire department is an adequate supply of water, and this can be obtained only by a sufficient number of hydrants. While there were over two hundred buildings erected the past year, there were only three new hydrants set. Naturally, the smaller the number of hydrants, the more hose is required ; and less effective streams are obtained through long lines of hose. It is obvious that it is more economical

to set hydrants than it is to purchase new hose. The city now has three hundred hydrants. Hydrants should be located in the following places ; namely : —

Hawkins Court	2
New Church Street	1
Summer Street, two hundred feet west of School Street	1
Summer Street, corner of School Street	1
Somerville Avenue, opposite Bleachery Gate	1
Beacon Street, near Charles River Railroad stables	1
Dover Street, opposite Union horse-railroad stables	1
Evergreen Avenue, corner of Thurston Street	1
Dartmouth Street, between Evergreen Avenue and Broadway	1
School Street, opposite schoolhouse	1
Tufts Street, opposite schoolhouse	1
Austin Street, opposite Benedict Street	1
Mystic Avenue, corner of Austin Street	1
Making in all	14

FIRE-ALARMS.

The total number of alarms given in the city the past year was	45
Amount of losses	\$92,977 15
Amount of insurance	97,150 00
Insurance paid	80,300 00
Net loss	12,677 15

CAUSES OF FIRE-ALARMS.

Coals from stove	2
Blast from furnace	3
Fire in Medford	1
Defective chimneys	3
Fire in Cambridge	3
Sparks from locomotive	3
Incendiary	4
Sparks from chimney	2
Explosion of oil-tank	1
Curtain in contact with gas-jet	1
Burning of rubbish	3
Sparks from fire in Cambridge	1

Fire-crackers	1
Explosion of kerosene-lamp	2
Bonfire	1
Burning out chimney	1
Burning fence by an insane person	1
Fire in Boston	2
Painters' rags	1
Making fire with kerosene (fatal result)	1
Rags stuffed in flue	1
Drying plastering	1
False alarm	1
Unknown	4
Explosion of an empty naphtha barrel	1

MANUAL FORCE.

The manual force of the department consists of sixty-one (61) men. For a record of their attendance at fires, I refer you to a report of the chairman of the committee.

To his Honor the Mayor and the chairman of the committee, from whom I have received earnest support during the past four years, I extend my sincere thanks.

To each individual member of the committee, my thanks are due for your co-operation in all things appertaining to the welfare of the department.

To the officers and members of the department, for their cheerful compliance with the rules and orders, and their zeal shown in extinguishing fires, I extend my grateful thanks.

I also thank Chief Parkhurst and the police force for many favors received ; and all who have in any way contributed to our success, either by encouraging words or good deeds, I tender the assurance of my sincere appreciation.

Respectfully submitted.

JAMES R. HOPKINS, *Chief Engineer.*

REPORT

OF THE

COMMITTEE ON PUBLIC PROPERTY.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 3, 1885.

Report accepted, and referred to the next city council to be printed in the annual reports. Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Jan. 3, 1885.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

CITY OF SOMERVILLE.

IN COMMITTEE ON PUBLIC PROPERTY, Jan. 3, 1885.

To the City Council of Somerville.

THE following is the final report of the committee on public property for the year ending Dec. 31, 1884 : —

POLICE-STATION INCIDENTALS ACCOUNT.

CREDIT.

Appropriation	\$1,800 00	
Receipts, for rent of halls	669 50	
Total credit		2,469 50

DEBIT.

Expenditures : —		
For janitor's salary	750 00	
janitor's substitute in vacation	14 00	
gas	314 10	
gasoline	165 50	
water	20 79	
fuel	408 55	
insurance	170 00	
repairs and improvements of buildings and furniture	251 60	
plans and specifications of building	20 00	
incidental expenses	52 66	
Total debit		2,167 20
Balance unexpended		\$302 30

SCHOOLHOUSE INCIDENTALS ACCOUNT.

CREDIT.	
Appropriation	\$8,000 00
Transfers : —	
From excess and deficiency	
account	1,000 00
interest account	1,000 00
health department account	400 00
	2,400 00
Receipts for articles sold	30 00
	10,430 00
Total credit	
DEBIT.	
Expenditures : —	
For improvements	4,693 19
repairs	4,251 26
furniture	220 96
rent	390 00
insurance	40 00
plans of buildings erected in previous	
years	90 00
emptying privy-vaults	113 50
salary of superintendent of public	
buildings	518 27
carriage-hire	12 00
	10,329 18
Total debit	
Balance unexpended	\$100 82

The expenditures at the several schoolhouses were as follows : —

<i>Advent Chapel.</i>	
Rent	\$90 00
Furniture	2 87
	92 87
<i>Beech Street.</i>	
Repairs	162 53
	\$255 40
<i>Amount carried forward</i>	

REPORT OF THE COMMITTEE ON PUBLIC PROPERTY. 297

Amount brought forward \$255 40

Bell.

Repairs	243 54	
Furniture	8 40	
Plans	15 00	
	<hr/>	266 94

Bennett.

Repairs	122 17	
Emptying privy-vaults	28 00	
	<hr/>	150 17

Brastow.

Repairs		62 41
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Cedar Street.

Repairs	22 59	
Emptying privy-vaults	14 00	
	<hr/>	36 59

Edgerly.

Repairs	140 33	
Plans	15 00	
	<hr/>	155 33

Eberle Hall.

Rent	75 00	
Furniture	9 88	
	<hr/>	84 88

Forster.

Improvements (fire-hose and speaking-tubes)	27 45	
Repairs	798 00	
Furniture	6 40	
Insurance	20 00	
	<hr/>	851 85

Franklin.

Repairs	267 35	
Emptying privy-vaults	26 00	
	<hr/>	293 35

Amount carried forward \$2,156 92

Amount brought forward \$2,156 92

Harvard.

Repairs	27 60	
Emptying privy-vaults	7 00	
	<hr/>	34 60

High.

Improvements (two new rooms in third story, with radiators for same)	947 00	
Repairs	528 86	
Furniture	22 80	
Plans	35 00	
Insurance	20 00	
	<hr/>	1,553 66

Highland.

(Including primary room in Clarendon Block.)

Improvements (new water-closets in yard),	1,740 24	
Repairs	219 09	
Furniture	217 87	
	<hr/>	2,177 20

Jackson.

Repairs	359 98	
Emptying privy-vaults	28 00	
	<hr/>	387 98

Lincoln.

(Including rooms hired since the burning of the school-house.)

Repairs	263 37	
Furniture	17 30	
Rent	25 00	
Plans	5 00	
	<hr/>	310 67

Morse.

Repairs	195 47	
Furniture	10 50	
	<hr/>	205 97

<i>Amount carried forward</i>		<hr/> <hr/>	\$6,827 00
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Amount brought forward \$6,827 00

Prescott.

Improvements (new boiler)	1,978 50	
Repairs	453 44	
Furniture	3 94	
Plans	20 00	
	<hr/>	2,455 88

Prospect Hill.

Repairs	158 84	
Emptying privy-vaults	3 50	
	<hr/>	162 34

Spring Hill.

Repairs		38 56
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Tufts Street (old).

Rent	200 00	
Repairs	7 42	
	<hr/>	207 42
Less furniture sent to the new Davis School,	84 00	
	<hr/>	123 42

Union.

Repairs		46 12
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Webster.

Repairs	133 59	
Furniture	5 00	
Emptying privy-vaults	7 00	
	<hr/>	145 59

		<hr/>
		9,798 91
Salary of superintendent of public buildings		518 27
Carriage-hire		12 00

Total, as above \$10,329 18

SCHOOLHOUSE ON SCHOOL STREET (CUMMINGS SCHOOL)
ACCOUNT.

CREDIT.

Appropriation	\$11,400 00	
Transfer from excess and deficiency account,	2,500 00	
		<hr/>
Total credit		13,900 00

DEBIT.

Expenditures : —

For land (11,300 square feet at 21 cents),	2,373 00	
filling around building	315 32	
building (on account contract)	9,000 00	
architect's services (on account)	300 00	
furniture and utensils	371 57	
wooden walks around building	30 69	
insurance	206 50	
advertising for proposals	14 04	
		<hr/>
Total debit		12,611 12
		<hr/>
Balance unexpended		<u>\$1,288 88</u>

SCHOOLHOUSE ON TUFTS STREET (DAVIS SCHOOL) ACCOUNT.

CREDIT.

Appropriation	\$9,000 00	
Transfer from excess and deficiency account,	3,000 00	
		<hr/>
Total credit		12,000 00

DEBIT.

Expenditures : —

For filling around building (the city hav-		
ing owned the land since 1874)	218 12	
building (on account contract)	8,000 00	
architect's services (on account)	300 00	
furniture and utensils	455 60	
wooden walks around building	32 64	
		<hr/>
<i>Amounts carried forward</i>	<i>\$9,006 36</i>	<i>\$12,000 00</i>

REPORT OF THE COMMITTEE ON PUBLIC PROPERTY. 301

<i>Amounts brought forward</i>	\$9,006 36	\$12,000 00
insurance	206 50	
advertising for proposals	14 03	
	<hr/>	
Total debit		9,226 89
		<hr/>
Balance unexpended		<u>\$2,773 11</u>

LINCOLN SCHOOLHOUSE (REBUILDING) ACCOUNT.

	CREDIT.	
Appropriation		\$500 00
	DEBIT.	
Expenditures : —		
For blanks for soliciting proposals	1 00	
altering water-service pipe	2 50	
removing <i>débris</i> after fire	42 80	
foundation (on account contract)	482 25	
mason's part (on account contract)	490 00	
	<hr/>	
Total debit		1,018 55
		<hr/>
Excess of expenditures		<u>\$518 55</u>

PUBLIC-LIBRARY BUILDING ACCOUNT.

	CREDIT.	
Appropriation		\$15,000 00
	DEBIT.	
Expenditures : —		
For masonry (on account of contract and extras)	8,342 39	
carpentry (on account of contract and extras)	2,984 38	
stained-glass windows	55 50	
architect's services	671 95	
water-service pipe	80 32	
copper box for corner-stone	1 50	
	<hr/>	
<i>Amounts carried forward</i>	\$12,136 04	<u>\$15,000 00</u>

<i>Amounts brought forward</i>	\$12,136 04	\$15,000 00
insurance	155 00	
grading lot, and work on driveways	616 77	
soliciting proposals	1 50	
	<hr/>	
Total debit		12,909 31
		<hr/>
Balance unexpended		<u>\$2,090 69</u>

EXPENDITURES BY THIS COMMITTEE FROM THE APPROPRIATION FOR MISCELLANEOUS ACCOUNT.

For City Hall expenses :—

gas	\$306 70	
fuel	236 32	
ice	30 00	
water	52 75	
repairs and furniture	195 56	
incidentals	187 73	
	<hr/>	1,009 06
For fitting up ward-room in Forster School		139 73
voting-list boards and ballot-boxes, and teaming same,		91 93
preparing rooms for caucuses and elections		74 95
rent of rooms for caucuses and elections		128 00
posting notices of elections		11 50
raising and lowering flag-staffs, and repairing flags		32 00
ringing bells		9 00
repairing city pound		40 49
preparing cemetery for Memorial Day		15 00
advertising for plans for public library, and cost of travel in visiting other library buildings		23 20
		<hr/>
Total expenditure		<u>\$1,574 86</u>

SCHOOLHOUSE INCIDENTALS.

At the Highland School, the water-closets have been removed from the building, and new ones have been provided in an independent building erected in the school-yard. This has cost, as hereinbefore stated, \$1,740.24.

At the Prescott School, the old boiler, which was under the middle

of the building, has been removed, and a new one has been set contiguous to the northerly wall, at a cost, as before stated, of \$1,978.50.

At the high school, two new schoolrooms were made in the third story, under the direction of the committee on public property of 1883 : but, as they were not finished in season to have the bills approved by that committee, the expense has been met this year ; the total cost, including new radiators which have been provided this year, and the architect's services, as hereinbefore stated, amounting to \$947. The outside of this house has also been repointed, at a cost of \$185.

At the Forster School, a considerable expense, which we have classed as repairs, has been necessitated by the extension of Evergreen Avenue through the school-yard. A new fence and a stone wall, with stone steps, have been built on the line of the avenue ; a new division fence has been placed between the boys' and girls' yards, and the yards have been graded.

The new law providing for free text-books has also caused quite a large outlay for book-closets.

In addition to the expenditures above specified, furniture has been bought, to the value of \$734.77, and used temporarily in various schools ; and during the Christmas vacation it has been placed in the new Cummings and Davis Schools, together with one set of second-hand seats and desks, appraised at \$84, sent from the old Tufts Street School : and as schoolhouse incidentals account has received credit for the same, from the special appropriations for the new schoolhouses, it has been eliminated from the account in making this report.

A new feature in this department this year has been the employment of a competent carpenter, at a salary of \$800 per annum. He has, under the direction of this committee, the general care of all the buildings in our charge. He makes repairs of carpentry himself, with such help as is needed, and has general supervision of all other mechanics employed, and of all contract work. This measure was in the nature of an experiment ; but we are fully satisfied that it has proved of great benefit to the city, and recommend that it be continued. The superintendent has been paid in all, from this appropriation, \$593.34, commencing April 4 : but he has earned in work on the fire department buildings nine dollars, and on the City Hall, new ward-room in the Forster School, and voting-lists boards and ballot-boxes, and at the several polling places, all of which is chargeable to Miscellaneous Account, \$66.07, for which schoolhouse incidentals

account has received credit ; leaving the net cost to this account for his salary, as above stated, \$518.27.

During the year, plans have been procured, so far as practicable, of public buildings erected in former years, and of which plans were not secured when they were built. The city should have plans of every modern building it owns ; so that when additions, alterations, or repairs are to be made, the manner of construction may be seen.

SCHOOLHOUSE ON SCHOOL STREET (CUMMINGS SCHOOL).

This building, which is of wood, and contains four schoolrooms, is nearly completed ; and the following bills therefor remain unpaid : —

Favor T. B. Blaikie & Son, balance reserved under contract	\$894 00
“ Magee Furnace Company, for heating-apparatus	550 00
	<hr/>
	\$1,444 00

To this must be added the sum due the architect, Mr. J. F. Ober, being five per cent of the cost of the building, less \$300 already paid. The above figures are exclusive of the carpenter's extras, and the cost of furnishing two of the four schoolrooms ; furniture having been as yet provided for but two rooms.

SCHOOLHOUSE ON TUFTS STREET (DAVIS SCHOOL).

This is also a four-room wooden building erected on the land on Tufts Street bought by the city for a school-lot in 1874. Bills remain unpaid as follows : —

Favor William B. Stinson, balance reserved under contract, \$2,574 00	\$2,574 00
“ Walker & Pratt Manufacturing Company, for heating and ventilating apparatus	780 00
	<hr/>
	\$3,354 00

The charges of the architect, Mr. S. D. Kelley, are five per cent of the cost of the building ; and he has been paid on account, \$300.

Two schoolrooms also remain to be furnished, and the contractor's extras are to be added to the foregoing figures.

LINCOLN SCHOOLHOUSE (REBUILDING).

The Lincoln Schoolhouse was destroyed by fire on the morning of Oct. 22 ; and measures were at once taken to rebuild, and the work is now progressing.

The contracts are as follows : —

With C. F. Palmer, for the foundation	\$643 00
“ “ “ “ masonry, exclusive of founda- tion	1,485 00
“ J. H. Stevens, for the carpentry	8,850 00
	\$10,978 00

And the compensation for the architect, Mr. George F. Loring, is to be five per cent of the cost.

We have approved pay-roll in favor of Mr. Palmer on account of the foundation	\$482 25
And on account of the masonry	490 00
And other small bills have been approved, as before stated, for	46 30
	\$1,018 55

As yet, only \$500 have been appropriated for this work by the city council: but the old building, with its contents, was insured for \$6,500, which will be applied to this account as it is received from the insurance companies; leaving some \$4,500 to be provided for, besides the furniture and heating-apparatus.

PUBLIC LIBRARY BUILDING.

This building, which is of brick, and stands on the Central Hill land, between the city hall and the Unitarian church, has been erected, as per plans by George F. Loring, architect, according to the requirements of the first contracts, which were exclusive of interior finish and heating.

The bills are all paid except the sums reserved under the contracts, which are as follows : —

Favor W. L. Clark & Co., masons, for contract work and extras	\$1,262 61
“ F. C. Fuller, carpenter	643 02
	\$1,905 63

The masonry contract price was \$9,078, and the extras were \$679, making \$9,757.

The carpentry contract price was \$3,535, and the extras were \$92.40, making \$3,627.40.

The contracts just closed are with William B. Stinson, for the interior finish, for \$9,981.00 ; and with the Walker & Pratt Manufacturing Company, for the steam-heating apparatus, for \$1,175.00. Some grading remains to be done, the driveways are unfinished, and a walk must be laid from Highland Avenue.

Mr. George F. Loring also furnishes the plans for the interior finish, and his compensation will be five per cent.

For the committee,

ALBION A. PERRY, *Chairman.*

GEO. I. VINCENT, *Clerk.*

REPORT

OF THE

COMMITTEE ON FUEL AND STREET-LIGHTS.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 3, 1885.

Report accepted, and referred to the next city council to be printed in the annual reports. Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Jan. 3, 1885.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

CITY OF SOMERVILLE.

IN COMMITTEE ON FUEL AND STREET-LIGHTS, Jan 3, 1885.

To the City Council of Somerville.

THE committee on fuel and street-lights submits the following final report for the year 1884 : —

SCHOOL-FUEL ACCOUNT.

CREDIT.

Appropriation	\$5,000	00
Less transfer to sewers account	300	00
		00
Net credit		4,700 00

DEBIT.

Expenditures : —

For fuel to Advent Chapel School	19	72
Beech Street "	70	41
Bell "	362	10
Bennett "	183	02
Brastow "	47	23
Cedar Street "	67	95
Cummings " (School Street)	64	41
Clarendon Block School	26	04
Davis School (Tufts Street)	57	50

<i>Amounts carried forward</i>	\$898	38	\$4 700 00
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<i>Amounts brought forward</i>	\$898 38	\$4,700 00
Edgerly School	528 52	
Forster "	599 42	
Franklin "	146 82	
Harvard "	63 61	
High "	489 90	
Highland "	489 02	
Jackson "	172 02	
Lincoln "	128 40	
Morse "	247 04	
Prescott "	387 85	
Prospect Hill School	210 93	
Spring Hill "	52 31	
Union "	40 70	
Webster "	143 77	
	<hr/>	
Total for fuel	4,598 69	
For advertising for proposals	24 70	
	<hr/>	
Total expenditure		4,623 39
		<hr/>
Balance unexpended		\$76 61
		<hr/> <hr/>

STREET-LIGHTS ACCOUNT.

CREDIT.

Appropriation	\$7,500 00	
Less transfer to sewers ac- count	400 00	
	<hr/>	
Net appropriation	7,100 00	
Receipts : —		
For new street-lamps erected (32 at \$20)	640 00	
repair of street-lamp dam- aged by team	26 06	
	<hr/>	
		666 06
		<hr/>
Total credit (<i>Amount carried forward</i>)		\$7,766 06

Amount brought forward \$7,776 06

DEBIT.

Expenditures : —

For gas : —

to Charlestown Gas Com- pany	1,791 02	
to Cambridge Gas-light Com- pany	2,031 03	
	3,822 05	
lighting and care of lamps, to R. T. Blackwell	278 46	
to Christopher Burke	1,941 66	
	2,220 12	
new street lamps	645 87	
repairs of street-lamps	279 20	
supplies (naphtha, alcohol, etc.)	268 70	
incidentals (advertising for proposals, etc.)	5 45	
street-signs	28 50	
changing oil-lamps to gas-lamps	5 50	
moving street-lamp	12 87	

Total expenditure 7,288 26

Balance unexpended \$477 80

FUEL.

Fuel was furnished the first six months by W. M. Hadley, under contract, and for the following prices: Furnace-coal \$5.55, egg-coal \$5.60, and stove-coal \$5.70, per ton; hard wood \$8.50, and soft wood \$6, per cord. The present contract, for the year ending July 1, 1885, is with Horatio Wellington & Co., at prices as follows: Furnace and egg coal \$4.93, and stove-coal \$5.20, per ton; hard wood \$8.50, and soft wood \$6, per cord.

STREET-LIGHTS.

The street-lamps were lighted in January by Mr. R. T. Blackwell, whose father, Mr. Hugh Blackwell, had the contract for the year ending March 1, 1884, and died Dec. 28, 1883, as stated in the last annual report of this committee. Mr. Hugh Blackwell was paid forty cents

per lamp per month ; but his son did not consider himself bound to carry out his father's contract, and thought forty cents an inadequate compensation for the hardest month of the year. He was, therefore, paid three and one-quarter cents per lamp per night ; which, as he lit twenty-one nights, amounted to sixty-eight and one-quarter cents per lamp for the month.

In January a contract was made with Christopher Burke, who was the lowest bidder, for the lighting and care of the lamps for the year commencing Feb. 1, 1884, at forty-two cents per lamp per night.

The prices for gas have been as follows : In January, February, and March, \$2.15 per thousand feet ; in April, \$2 to the Cambridge Company, and \$2.15 to the Charlestown Company ; in May and June, \$1.90 to the Cambridge Company, and \$2.15 to the Charlestown Company ; in July and August, \$1.90 to the Cambridge Company, and \$2 to the Charlestown Company ; and for the remainder of the year, \$1.90 to both companies.

The system of lighting is the same as heretofore ; i.e., to light every cloudy night, and when there is no moon : but Sept. 1, the hour for extinguishing was changed from twelve o'clock to three o'clock ; and this was accomplished without materially changing the cost of lighting as compared with former years, owing to the more favorable price secured for gas.

The following is a table of street-lamps in the city : —

	GAS-LAMPS.		Naphtha Lamps.	Total.
	Charlestown Gas.	Cambridge Gas.		
Lamps in the city Jan. 1, 1884 . . .	166	190	52	408
Changed from naphtha to gas . . .	-	3	3	-
	166	193	49	408
Lamps erected during the year . . .	2	17	16	35
Total, Dec. 31, 1884 . . .	168	210	65	443

This table varies somewhat from the one published in this committee's last annual report, because four oil-lamps in the Charlestown gas district, and two in the Cambridge district, were changed to gas-lamps in 1883 ; and the changes were not noted in last year's table.

Thirty-five new street-lamps have been provided in the past year, three of which were erected at the city's expense, — one being at the

Davis School on Tufts Street, one in front of Grand Army Hall, Washington Street, and the other at the Bennett School, corner of Joy and Poplar Streets ; and for each of the remaining thirty-two the city treasurer has received the sum of twenty dollars.

The cost of new street-lamps, as shown in the foregoing statement, is incomplete, as the Cambridge Gas Company's bill for setting lamps for the last quarter has not been received, during which period twelve gas-lamps have been erected in Ward Four, and one in Ward Two ; and the bills for posts and lanterns for nine of these also remain unpaid.

For the committee,

NATHAN A. FITCH, *Chairman, pro tem.*

GEO. I. VINCENT, *Clerk.*

REPORT OF THE CITY SOLICITOR.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Jan. 28, 1885.

Referred to the committee on printing, to be printed in the annual reports.
Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Jan. 28, 1885.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

CITY OF SOMERVILLE.

SOMERVILLE, Jan. 26, 1885.

To his Honor the Mayor and the City Council of Somerville.

GENTLEMEN, — I beg leave to present the following as my ninth annual report.

Early in the year, acting under your instructions, I attended, with our committee on legislative matters, the hearings before the drainage committee of the General Court, with reference to the abatement of the Alewife Brook nuisance. We were directed to oppose, by all means, the introduction of Cambridge sewage into Somerville sewers at Alewife Brook. An Act (chap. 195, Laws of 1884) was, however, passed by the General Court April 29, 1884, which took effect upon its passage, but, by its own terms, was to become void unless accepted by the city council of each of said cities within thirty days thereafter. Neither city council accepted the Act.

During the year, I have attended all the meetings of the committee on claims, except when confined to my house by illness, and have advised the committee upon all claims presented. The following is a list of all claims that have been referred to that committee, and the disposition thereof made by the committee.

1. Claim of Lucy A. Kendall for personal injuries, Jan. 4, 1884, by falling upon northerly side of Elm Street. Mrs. Kendall's attorney refused to appear before the committee. Suit has been brought, and a trial of the case may be expected at the present December term of the Middlesex Superior Court.

2. Claim of Annie A. Smith for personal injuries, Jan. 6, 1884, upon Newton Street. Committee reported adversely to petitioner. No suit has followed.

3. Claim of James McAuley for injuries to person and property, Jan. 7, 1884, upon Lowell Street. Adverse report. No action since.

4. Claim of Maria T. Ryan for personal injuries, Feb. 28, 1884, upon Day Street. Adverse report. Suit has been brought, and a trial of the case may be expected at the present December term of the Middlesex Superior Court.

5. Claim of George P. Deshon for personal injuries, Feb. 29, 1884, upon Day Street. Adverse report. Suit has been entered at the present December term of the Middlesex Superior Court.

6. Claim of William A. Sampson for personal injuries, March 24, 1884, upon George Street. Adverse report. No action at law.

7. Claim of James Swift for bounty. Adverse report.

8. Claim of Charles A. Cushman for personal injuries, May 30, 1884, upon Highland Avenue. Adverse report. No action at law.

9. Claim of M. W. Granger for damages to property by sewer in Union Place. Adverse report. No action at law.

10. Claim of J. Weild for damages to property by bursting of sewer in Pearl Street, June 24 and Sept. 6, 1884. The committee reported, recommending payment of fifty dollars to avoid the expense of litigation.

11. Claim of James Gavin for damages to estate corner of Somerville Avenue and Poplar Street. Adverse report.

There are now upon my docket four accident cases, where the aggregate damages claimed exceed fifteen thousand dollars; and the disastrous result which might follow a full measure of recovery in these cases leads me to urge the designation of some police officer, whose duty it shall be to investigate every accident upon the highways, without waiting till a claim shall be made upon the city. In the case of an alleged defect from an accumulation of snow or ice, a notice, thirty days afterwards, to the city, while it may satisfy the requirement of the statute, is generally of no value whatever to the city. The snow or ice has changed in form, or entirely disappeared.

I feel it to be my duty also to call your attention to the want of proper barriers upon Somerville Avenue and Medford Streets, which the city is unquestionably bound to erect and maintain. A small outlay will remedy the defect.

During the year the following cases, seventeen in number, have been finished: —

City of Somerville *vs.* Reed *et al.*; same *vs.* Fiske *et al.*; same *vs.* Massachusetts Brick Company; same *vs.* Reed *et al.*; Hitchings *vs.* Somerville; Richardson *vs.* same; McCormic *vs.* same; Cushman *vs.* same; High *vs.* same; Brooks *vs.* same; Brackett *vs.* same; Frye

vs. same ; Fuller *vs. same* ; Fuller *et al. vs. same* ; Whicher *vs. same* ; Crowley *vs. same* ; and Middlesex Railroad Company *vs. same*. The verdict of Whicher *vs. the City of Somerville*, amounting, with interest and costs, to the sum of \$269.53, recently affirmed by the Supreme Court, has been promptly paid by the Middlesex Railroad Company ; and the city thus loses nothing by that case. The president of the railroad company has also assured me of his intention at once to set up and maintain lights at the place of the accident.

There are now upon my docket eleven cases to which the city is a party, some of which are necessarily in substantially the same condition as set forth in my last annual report ; and the remainder of which I have already sufficiently referred to in a former part of the present report, with the exception of the case of Asa Durgin *et al.*, petitioners for the widening of North Street. This is a proceeding before the commissioners of Middlesex County ; and the city of Somerville, and town of Medford, are made parties to it. The case has been unavoidably delayed, owing to a misapprehension of the selectmen of Medford as to the width of the way at the boundary-line ; but there is no reason to doubt the favorable action of the county commissioners upon the new petition which has already been prepared.

Respectfully submitted.

SAMUEL C. DARLING,
City Solicitor.

REPORT OF THE CITY CLERK.

CITY OF SOMERVILLE.

REPORT OF THE CITY CLERK.

ANNUAL report of the receipts of his office for the year ending Dec. 31, 1884 ; also, the registration of marriages, births, and deaths for the same period.

RECEIPTS FOR YEAR ENDING DEC. 31, 1884.

Recording mortgages and assignments	\$279 00
Fees for licensing dogs	133 60
Seven auctioneers' licenses	14 00
Thirty-nine junk licenses (\$2)	78 00
Marriage certificates issued in 1884	140 50
Pool and billiard tables	14 00
Twelve liquor licenses	12 00
	<hr/>
	\$671 10

All of which has been paid to the city treasurer, and his receipt taken for the same.

MARRIAGES IN 1884.

Number of intentions issued in 1884	281
More than last year	19
Marriages registered in 1884	284

NATIONALITY OF THOSE REGISTERED.

Both parties American	154
“ “ foreign	78
American groom and foreign bride	30
Foreign groom and American bride	22
	<hr/>
	284 couples.

First marriage of	489
Second " "	74
Third " "	5
	<hr/>
	568 = 284 couples.
Oldest person married	60
Youngest " "	17
Youngest couple united in marriage: —	
Bridegroom	19
Bride	17

BIRTHS.

Number of births registered in 1884	711
More than last year	174
Males	356
Females	355
	<hr/>
	711
Born of American parents	263
“ “ foreign parents	301
“ “ American father and foreign mother	67
“ “ foreign father and American mother	80
	<hr/>
	711
Number of cases of twins	4

DEATHS.

Whole number of deaths in Somerville in 1884	499
Less than last year	45
Number of males	255
“ “ females	244
Under 10 years of age	231
Between 10 and 20	25
“ 20 “ 30	31
“ 30 “ 40	33
“ 40 “ 50	32
“ 50 “ 60	42
“ 60 “ 70	46
“ 70 “ 80	38
	<hr/>
<i>Amount carried forward</i>	478

<i>Amount brought forward</i>	. . . . .	478	
Between 80 and 90		17	
“ 90 “ 100		4	
		—	499

Oldest person deceased, 93 years and 5 months.

NATIONALITY.

Born in Somerville	193	
“ “ other places in United States	211	
Foreign birth	95	
	—	499

Number of deaths returned by undertakers 499

And occurred as follows : —

January	39	
February	29	
March	38	
April	31	
May	36	
June	37	
July	48	
August	45	
September	57	
October	47	
November	42	
December	50	
	—	499

For classification of diseases, see report of board of health.

CHARLES E. GILMAN, *City Clerk.*

REPORT
OF THE
INSPECTOR OF BUILDINGS.

CITY OF SOMERVILLE.

IN BOARD OF MAYOR AND ALDERMEN, Dec. 30, 1884.

Referred to the next city council, to be printed in the annual reports. Sent down for concurrence.

CHARLES E. GILMAN, *Clerk.*

IN COMMON COUNCIL, Dec. 30, 1884.

Concurred in.

DOUGLAS FRAZAR, *Clerk.*

CITY OF SOMERVILLE.

OFFICE OF INSPECTOR OF BUILDINGS, SOMERVILLE, Dec. 27, 1884.

To his Honor the Mayor and the City Council.

GENTLEMEN,—I assumed the duties of inspector of buildings April 10, of the present year. Since that time, there have been finished and erected, but not entirely completed, buildings as follows:—

189 dwelling-houses, at a cost of	\$501 900
18 additions to dwelling-houses, at a cost of	11,300
31 stables, at a cost of	23,635
13 stores and storehouses, at a cost of	39,000
I estimate that there were finished, from January to April, 12 dwelling-houses, which should be included in the present year, at a cost of	30,000
Total cost of taxable buildings built in the year 1884	605,835
I estimate that there have been destroyed by fire, buildings to the value of	18,350
Increase of taxable property in buildings for the year	<u>\$587,485</u>
There have been built by the city, buildings at a cost of about	\$38,000
There has been built other non-taxable property valued at,	5,700
Estimate of non-taxable buildings built	43,700
I estimate the amount destroyed by fire, of buildings not taxed	8,000
Increase of buildings not taxed	<u>\$35,700</u>

The buildings built the past year have been, in most cases, well constructed as regards comfort, safety, and durability ; and, in most instances, builders have been willing to comply with the spirit of the building ordinances.

No inspector would recommend an increase of duties at the present salary ; but I would respectfully suggest that applications for permits to build be made through the inspector, who shall report and refer them to the city council.

The cost of ordinary repairs on buildings made during the year is not included in the foregoing figures.

Respectfully submitted.

ELIJAH WALKER,
Inspector of Buildings.

CITY GOVERNMENT AND OFFICERS FOR 1885.

MAYOR.

MARK F. BURNS.

Residence, 95 Perkins Street ; office, City Hall.

ALDERMEN.

HIRAM D. SMITH, *President*.

WARD ONE.

NATHAN A. FITCH Franklin Street.
MOSES G. STEELE Rush Street.

WARD TWO.

SAMUEL G. A. TWYXCROSS Warren Avenue.
FRANKLIN R. PERRY Pleasant Avenue.

WARD THREE.

HIRAM D. SMITH Cross Street.
DANIEL C. STILLSON Tennyson Street.

WARD FOUR.

IRVING L. RUSSELL Broadway.
ALBERT M. ROBINSON Belmont Street.

CLERK OF BOARD OF ALDERMEN.

CHARLES E. GILMAN.

COMMON COUNCIL.

HERBERT C. HALL, *President.*

WARD ONE.

FRANK A. TITUS	Flint Street.
ELBRIDGE G. PARK	Arlington Street.
JOHN MANNING	Medford Street.
NATHAN H. REED	Florence Street.

WARD TWO.

DANA W. BENNETT	Washington Street.
SAMUEL W. HOLT	Washington Street.
CHARLES A. WOODBERRY	Berkeley Street.
NEWELL F. CASWELL	Union Square.

WARD THREE.

JOHN F. KENNARD	Howe Street.
HARRISON ALDRICH	Gilman Street.
ALBERTO P. CLARK	Main Street.
EDWARD O'BRIEN	Lowell Street.

WARD FOUR.

HERBERT C. HALL	Summer Street.
ISRAEL C. EARLE	Irving Street.
BERNARD W. LAWRENCE	Holland Street.
WALTER C. MENTZER	Hall Street.

CLERK OF COMMON COUNCIL.

DOUGLAS FRAZAR.

JOINT STANDING COMMITTEES FOR 1885.

ACCOUNTS. — Aldermen Twycross, Robinson ; Councilmen Park, Aldrich, Woodberry.

BURIAL-GROUNDS. — Aldermen Perry, Stillson ; Councilmen Kennard, Reed, Lawrence.

CITY ENGINEERING. — Aldermen Russell, Steele ; Councilmen Titus, Kennard, Mentzer.

CLAIMS. — His Honor the Mayor, *ex officio*; Alderman Fitch; the President of the Council, *ex officio*; Councilmen Woodberry, Clark.

FINANCE. — His Honor the Mayor, *ex officio*; Aldermen Smith, Twycross; the President of the Council, *ex officio*; Councilmen Park, Bennett, Earle, Clark.

FIRE DEPARTMENT. — Aldermen Robinson, Perry; Councilmen Holt, Kennard, Mentzer.

FUEL AND STREET-LIGHTS. — Aldermen Steele, Robinson; Councilmen Woodberry, Aldrich, Reed.

HIGHWAYS. — Aldermen Smith, Russell; Councilmen Holt, Manning, O'Brien.

LEGISLATIVE MATTERS. — His Honor the Mayor, *ex officio*; Alderman Robinson; the President of the Council, *ex officio*; Councilmen Titus, Bennett.

ORDINANCES. — Aldermen Fitch, Twycross; Councilmen Park, Bennett, Mentzer.

PRINTING. — Aldermen Stillson, Steele; Councilmen Aldrich, Earle, Caswell.

PUBLIC PROPERTY. — Aldermen Perry, Stillson; Councilmen Titus, Caswell, Lawrence.

SOLDIERS' RELIEF. — Aldermen Fitch, Russell; Councilmen Manning, Earle, Clark.

WATER. — Aldermen Steele, Robinson; the President of the Council; Councilmen Reed, O'Brien.

COMMITTEES OF THE BOARD OF ALDERMEN.

(STANDING COMMITTEES.)

ELECTIONS. — Aldermen Russell, Fitch.

ENROLLED ORDINANCES. — Aldermen Smith, Perry.

LICENSES. — Aldermen Russell, Perry.

POLICE. — His Honor the Mayor, *ex officio*; Aldermen Fitch, Twycross.

SEWERS. — Aldermen Twycross, Fitch, Stillson.

STATE AID. — Aldermen Steele, Russell, Smith, Perry.

(SPECIAL COMMITTEE.)

BUILDING PERMITS. — Aldermen Smith, Robinson.

STANDING COMMITTEES OF THE COMMON COUNCIL.

ELECTIONS AND RETURNS. — Councilmen Caswell, Holt, O'Brien.

ENROLLED ORDINANCES AND RESOLUTIONS. — Councilmen Manning, Clark, Lawrence.

SCHOOL COMMITTEE.

MARK F. BURNS, Mayor, Chairman, *ex officio*.HERBERT C. HALL, President of the Common Council, *ex officio*.

(Term, three years.)

WARD ONE.

JOHN H. BUTLER (elected 1884)	.	.	.	Pearl Street.
HENRY M. MOORE (elected 1882)	.	.	.	Myrtle Street.
HORACE C. WHITE, M.D. (elected 1883)	.	.	.	Pinckney Street.

WARD TWO.

Rev. GEORGE W. DURELL (elected 1882)	.	.	.	Summer Street.
Mrs. CORNELIA B. SKINNER (elected 1883)	.	.	.	High Street.
CHARLES I. SHEPARD (elected 1884)	.	.	.	High Street.

WARD THREE.

NORMAN W. BINGHAM (elected 1882)	.	.	.	School Street.
Q. E. DICKERMAN (elected 1883)	.	.	.	Central Street.
WILLIAM P. HILL (elected 1884)	.	.	.	Sycamore Street.

WARD FOUR.

MARTIN W. CARR (elected 1884)	.	.	.	Craigie Street.
Professor BENJAMIN G. BROWN (elected 1882)	.	.	.	Professors' Row.
H. P. MAKECHNIE, M.D. (elected 1883)	.	.	.	Elm Street.

Superintendent and Secretary, J. H. DAVIS, Myrtle Street.

PRINCIPAL ASSESSORS.

(Term, three years.)

STILLMAN H. LIBBY (elected 1883), <i>Chairman</i> ,	Elm Street.
GEORGE W. HADLEY (elected 1885)	Perkins Street.
BENJAMIN F. THOMPSON (elected 1884)	Summit Avenue.

ASSISTANT ASSESSORS.

(Term, one year.)

GEORGE W. BARTLETT, Ward One	.	.	.	Mt. Vernon Street.
WILLIAM A. FLAHERTY, Ward Two	.	.	.	Union Square.
REUBEN A. MELVIN, Ward Three	.	.	.	Bonair Street.
SAMUEL T. RICHARDS, Ward Four	.	.	.	Summer Street.

BOARD OF HEALTH.

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

GEORGE A. KIMBALL (appointed 1885),	<i>Chairman</i> ,	Office, City Hall.
GEORGE C. SKILTON (appointed 1884)	.	Walnut Street.
THOMAS M. DURELL, M.D. (appointed 1885)	.	Bow Street.
<i>Clerk</i> ,	GEORGE I. VINCENT	Office, City Hall.
<i>Inspector</i> ,	WILLIAM H. BRINE	40 Houghton Street.

COMMISSIONERS OF THE SINKING-FUNDS.

(Term, three years.)

NATHAN TUFTS (elected 1883)	.	.	.	Summer Street.
HENRY F. WOODS (elected 1885)	.	.	.	Sycamore Street.
EZRA D. CONANT (elected 1884)	.	.	.	Pearl Street.
<i>Treasurer</i> ,	AARON SARGENT,	Broadway.		

OVERSEERS OF THE POOR.

MARK F. BURNS, *Mayor, Chairman, ex officio.*
 HERBERT C. HALL, *President Common Council.*

(Term, three years.)

THOMAS CUNNINGHAM (elected 1884)	.	.	.	Oak Street.
GEORGE W. WASHBURNE (elected 1883 for unexpired term)	.	.	.	Lincoln Street.
EDWARD GLINES (elected 1885)	.	.	.	Highland Avenue.

SOMERVILLE MYSTIC WATER BOARD.

(Term, one year.)

J. ORLIN HAYDEN, <i>President</i>	Hill Building, Union Square.
WALTER S. BARNES	Highland Avenue.
CHARLES H. BROWN	Sycamore Street.
JOHN M. WOODS	School Street.
MILO CRANE	Rush Street.

Superintendent of Water Works, NATHANIEL DENNETT.

Office, Prospect Street, cor. Somerville Avenue.

TRUSTEES OF THE PUBLIC LIBRARY.

(Term, three years.)

GEORGE A. BRUCE (elected 1884 for unexpired term)	Highland Avenue.
WILLIAM E. WELD (elected 1884)	Harvard Street.
WILLIAM VEAZIE (elected 1884)	Walnut Street.
WILLIAM H. BRINE (elected 1883)	Highland Avenue.
SANFORD HANSCOM, M.D. (elected 1885 for unexpired term)	Webster Street.
CHARLES S. LINCOLN (elected 1885)	Laurel Street.
CHARLES G. POPE (elected 1885)	Franklin Street.
J. HENRY FLITNER (elected 1883)	Day Street.
CHRISTOPHER E. RYMES (elected 1885)	Summer Street.

Librarian, HARRIET A. ADAMS.*Assistant Librarian*, LIZZIE A. STEVENS.

CITY CLERK AND CLERK OF BOARD OF ALDERMEN.

CHARLES E. GILMAN. Office, City Hall.

CITY TREASURER AND COLLECTOR OF TAXES.

JOHN F. COLE. Office, City Hall.

CITY MESSENGER.

JAIRUS MANN. Office, City Hall.

CITY SOLICITOR.

SAMUEL C. DARLING. Office, 18 Rogers Building, Boston.

CITY AUDITOR.

DOUGLAS FRAZAR. Office, City Hall.

CITY ENGINEER.

GEORGE A. KIMBALL. Office, City Hall.

SUPERINTENDENT OF STREETS.

FRANK G. WILLIAMS, Albion Street. Office, City Hall.

CHIEF OF POLICE.

MELVILLE C. PARKHURST, Police Station, Bow Street.

CHIEF ENGINEER OF FIRE DEPARTMENT.

JAMES R. HOPKINS. Office, Engine House, Highland Avenue.

INSPECTOR OF BUILDINGS.

ELIJAH WALKER, Pleasant Avenue.

CITY PHYSICIAN.

THOMAS M. DURELL, M.D., 14 Bow Street.

CLERK OF ASSESSORS AND COMMITTEES.

GEORGE I. VINCENT. Office, City Hall.

ASSISTANT CLERK OF ASSESSORS AND COMMITTEES.

WILLIAM P. MITCHELL. Office, City Hall.

CONSTABLES.

JAIRUS MANN.	WM. H. BRINE (Houghton St.).
ROBERT R. PERRY.	WILLIAM D. HAYDEN.
HORACE B. RUNEY.	SAMUEL R. DOW.
CHARLES C. FOLSOM.	JOSEPH J. GILES.
EDWARD MCGARR.	GEORGE CULLIS.

FIELD-DRIVERS.

CHARLES C. FOLSOM.	HERBERT H. MILLER.
JOHN E. FULLER.	EDD. F. FALES.
JUDSON W. OLIVER.	GEORGE W. BEAN.
GEORGE H. CARLETON.	

FENCE-VIEWERS.

DAVID A. SANBORN.	CHARLES D. ELLIOT.
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POUND-KEEPER.

CHARLES A. SMALL.

SEALER OF WEIGHTS AND MEASURES.

NOAH HARDING, Sycamore Street.

SURVEYOR OF WOOD, BARK, AND LUMBER.

SAMUEL T. LITTLEFIELD.

SURVEYOR OF STONE, BRICK, AND PLASTER WORK.

ALFRED M. SIBLEY.

SURVEYOR OF MECHANICS' WORK.

CHARLES D. ELLIOT.

PUBLIC WEIGHER.

J. C. COUSINS.

UNDERTAKERS.

HORACE B. RUNEY.	A. L. SANBORN.	PATRICK RAFFERTY.
WILLIAM A. FLAHERTY.	P. H. RAFFERTY.	HORACE D. RUNEY.
E. H. MARSH.	THOMAS J. BARKER.	

POLICE DEPARTMENT.

M. C. PARKHURST, *Chief*.

R. R. PERRY, <i>Captain</i> .	S. R. DOW, <i>Sergeant</i> .
C. C. FOLSOM, <i>Sergeant</i> .	EDWARD MCGARR, <i>Sergeant</i> .
C. C. CAVANAGH.	P. W. SKINNER.
JOHN E. FULLER.	S. A. BROWN.
A. L. STAPLES.	JOHN HAFFORD.
J. W. OLIVER.	IVAN LAIGHTON.
GEORGE W. BEAN.	M. H. KINSLEY.
GEORGE L. SMITH.	G. A. BODGE.
EDWARD M. CARTER.	DENNIS KELLY.
E. F. FALES.	GEORGE H. CARLETON.
J. F. JOHNSON.	H. H. MILLER.
E. A. CARTER.	

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

MEETINGS.

BOARD OF ALDERMEN.

Second and fourth Wednesday evenings of each month.

COMMON COUNCIL.

Thursday evenings following the second and fourth Wednesdays of each month.

SCHOOL COMMITTEE.

Last Monday evening of each month.

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