



MEDFORD HISTORICAL SOCIETY AND MUSEUM

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CITY OF MEDFORD

THE MAYOR'S ADDRESS

TO THE

BOARD OF ALDERMEN,

JANUARY 2, 1922.

THE CITY GOVERNMENT,

THE FINANCIAL STATEMENTS,

AND THE

ANNUAL REPORTS

FOR THE YEAR

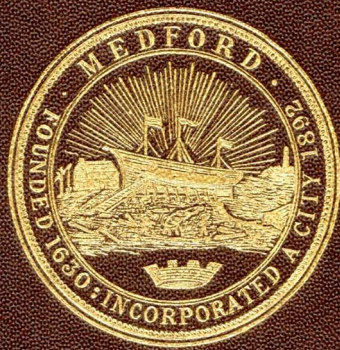
1921

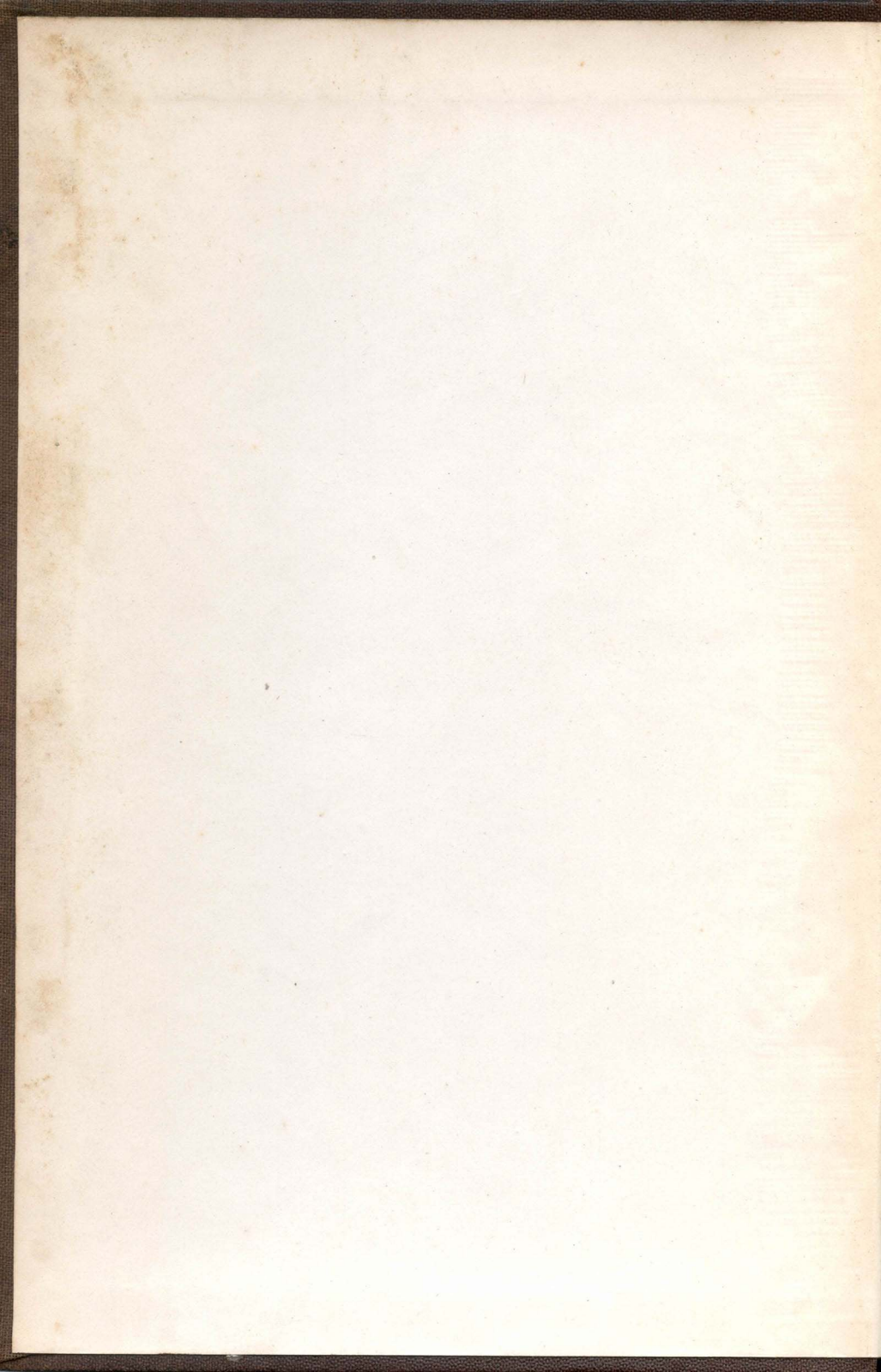
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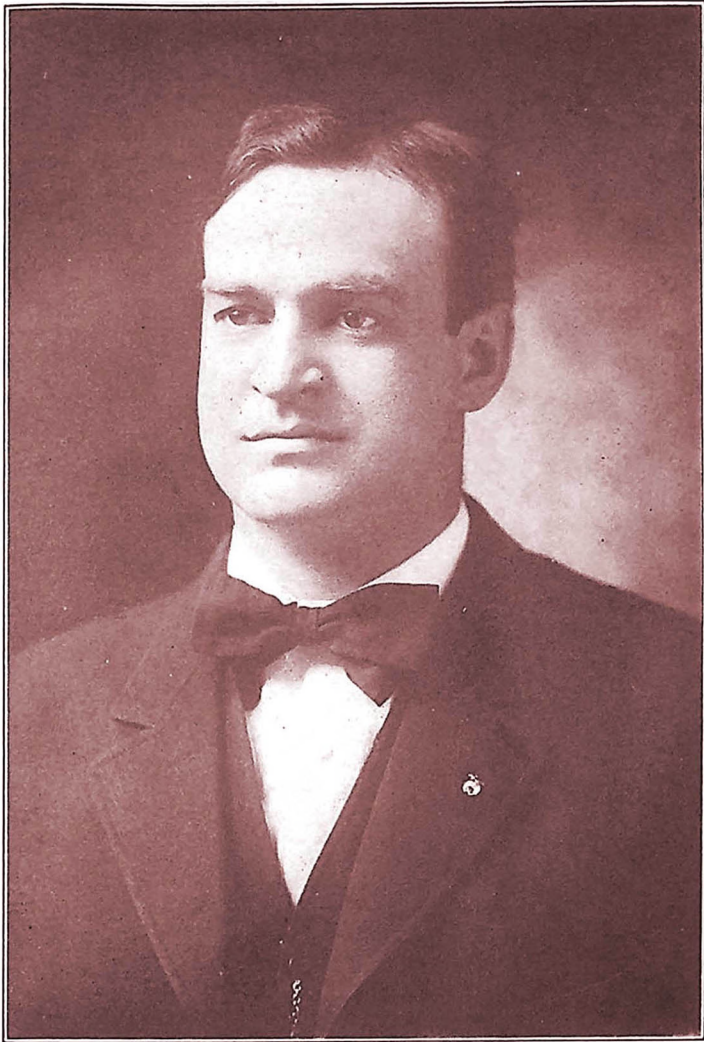
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CITY OF MEDFORD

THE MAYOR'S ADDRESS

TO THE

Board of Aldermen, January 2, 1922

THE CITY GOVERNMENT
THE FINANCIAL STATEMENTS

AND THE

ANNUAL REPORTS

FOR THE YEAR

1921

Published by the City Auditor, as Directed by the Mayor

MEDFORD, MASS.
MEDFORD MERCURY PRESS
1922

EIGHTH ANNUAL ADDRESS
OF
HON. BENJAMIN F. HAINES
MAYOR OF MEDFORD

DELIVERED

January Second, Nineteen Hundred Twenty-two

This is the inauguration of the Board of Aldermen to conduct the city's business for the year 1922. They have been chosen by the popular vote of the people and this is their opportunity through their spokesman to present some certain, well-defined, systematic form of procedure for the benefit and upbuilding of the City of Medford and for the reduction of the city's expenses.

It would be a wonderful help to the city and a great innovation in conducting her business if the Board of Aldermen should adopt this procedure and not wait for the Mayor or any public-spirited citizen to forward or favor or force any progressive or needed improvement.

I was elected Mayor of the City of Medford for the first time in 1914 and at each inaugural since that time for seven years, I have advocated publicly on this platform, certain, much needed and well understood improvements.

MAYOR'S ADDRESS

Many of these things have been accomplished. Some of them still remain to be done. Those that are still before us are projects that were advocated by public-spirited citizens long before I moved into this locality. The tasks which I have taken up and the projects which I have fought for have been set forth in the inaugural speeches by every mayor since Medford became a city.

The obstacles presented to the completion of these projects are not harmful to me personally, but they are a stumbling block in the path of the future growth and prosperity of our city. Not my ideas or opinions alone, I bring forward to you, but those of our first Mayor, Hon. Samuel C. Lawrence, and the Hon. Lewis H. Lovering, Hon. Charles S. Baxter, Hon. Clifford M. Brewer, Hon. Charles S. Taylor and the late Hon. Michael Dwyer.

Any man pledged against these projects which I advocate is pledged against projects which those public-spirited citizens have advanced. They, as clearly as I, have had the vision of the necessities of the City of Medford; but I, inspired by their wisdom and insight into these matters, have had the courage, first, to lead and then to force the people to take these steps so necessary to our future growth. I believe as sincerely now as I did many years ago in the upbuilding of Medford square; in the construction of a city hall; in the widening of our streets and the building of our school houses. These are not new ideas. Ours is not a peculiar or a unique situation and for the benefit of our own self-respect we must not mark time or hold back when the opportunity is in our hands to push forward and do that duty which is placed before us by our oath and our public service.

MAYOR'S ADDRESS

Whether the Board of Aldermen, as elected, will cooperate with me for the growth of the City of Medford, is of little moment to me personally, but in the end such action would be of great public benefit to the city in which we all live.

As Mayor of the City of Medford, since this opportunity is given to me at the inaugural of the Board of Aldermen, I commend the public officials of the city for their faithful, efficient service. I report that every department, as well as the city, is in excellent financial condition and that we stand with credit unimpaired and with resources unlimited, ready to do business on a business basis and to construct new and efficient undertakings, and maintain in a high degree those departments which we now have under our control.

I believe in this wonderful, thriving little city which has grown more rapidly than any other city in the Commonwealth during the last decade, jumping from 20,000 to 40,000 and doubling its valuation in the same period from 20 millions to over 40 millions of dollars. We need but give her the opportunity which has long been delayed and in times to come we will realize that which seems clear to some few of us now, that this year 1922 was a crisis in our future prosperity.

Medford! a hope, an inspiration, a dream perhaps, a reality to me, arising from an ancient heritage, shaking aside a loathsome lethargy, springing into new life at the magic touch of energy, enthusiasm and genius.

DEBT STATEMENT

The following is the financial statement of the City of Medford, January 1, 1922.

The notes outstanding were issued for the following purposes:

Nos. 35 and 36 Water Construction	\$15,000.00	
No. 37 Land on George St....	7,000.00	
Nos. 51 to 62 Land adjoining High School Lot.....	12,000.00	
Nos. 8 to 10 Original Construction of Streets.....	1,800.00	
Nos. 8 to 10 High School Equipment	600.00	
Nos. 8 to 10 Wellington Road	1,500.00	
No. 123 Fire and Police Signal Boxes, Garage-Heating Plant	500.00	
Nos. 124 and 125 Sidewalk and Edgestones	6,000.00	
Nos. 126 to 129 Ladder and Motor Truck, Chassis, Fourth St. Sidewalk.....	13,800.00	
No. 135 Land adjoining High School lot, Schoolhouse and Land, Shop for Highway Dept., Boiler	10,000.00	
	\$68,200.00	

The bonded debt of the City consists of:—

Water Fund.....	\$55,000.00	
Water Mains Extension.....	6,000.00	
Sewerage	240,000.00	
Harbor Loan.....	8,000.00	

DEBT STATEMENT

City Hall, Act of 1913.....	\$150,000.00
Park Loan	32,000.00
Metropolitan Park Assess- ment Loan	27,000.00
Playground, 1903, 1912, 1914..	41,500.00
School Loan 1912.....	126,000.00
Junior High School, 1916, 1918, 1919	182,650.00
School Loan 1919.....	44,000.00
Street Loan 1919.....	79,000.00
Original Equipment Junior High School.....	12,000.00
School Loan 1911.....	38,000.00
School (Portable) 1919.....	7,000.00
High School Addition.....	22,750.00
High School Original Equip- ment	7,500.00
Hancock School 1915-1916.....	32,750.00
Osgood School 1916-1917.....	21,500.00
Lincoln Schoolhouse.....	45,000.00
Schoolhouse Improvement.....	14,000.00
Schoolhouse Loan 1908.....	95,000.00
School Loan (Portable) 1919- 1920	17,000.00
Fulton Heights School, 1920- 1921	96,000.00
Public Park 1920.....	19,000.00
City Stable Loan.....	15,000.00
Surface Drainage Loan.....	15,000.00
Surface Drains 1918-1919.....	5,500.00
Drainage 1912-1916.....	8,000.00
Sewer (Drainage Purposes) 1918	7,500.00
Streets and Drains 1917.....	4,500.00
Sewer Loan 1920-1921.....	41,000.00
Surface Drains 1919-1920.....	5,500.00
Sidewalks 1917-1918-1919-1921	62,000.00
Sidewalks and Edgestones....	2,500.00

DEBT STATEMENT

Fire Station Loan.....	\$6,600.00	
Fire Loan 1917-1918.....	31,500.00	
Municipal Loan.....	10,000.00	
Departmental Equipment 1916- 1917-1920	31,700.00	
War Loan 1917.....	1,500.00	
War Emergency 1918.....	3,000.00	
War Memorial 1919.....	3,000.00	
Capen St. and College Ave. Drains	4,500.00	
Original Construction of Streets 1914	5,100.00	
Original Street Construction 1917-18-19	59,500.00	
Street Construction 1916.....	4,600.00	
Street Loan 1916.....	14,500.00	
Original Construction Streets 1920	11,000.00	
Original Street Construction 1920	11,000.00	
Street Loan 1920.....	3,000.00	
Street Construction 1921.....	36,000.00	
Permanent Pavement Loan 1918-20	2,500.00	
		<hr/>
		\$1,824,150.00
		<hr/>
		\$1,892,350.00

The Advance Report of the Commissioners of Sinking Fund, state the condition of the Sinking Funds as of December 31, 1921, are as follows:—

Water	\$74,332.32
Sewerage	135,649.44
Public Playground.....	9,000.00
Park	32,000.00
Metropolitan Park Assessment	17,120.62
Lincoln School House.....	45,000.00
Schoolhouse of 1908.....	60,993.07

DEBT STATEMENT

Schoolhouse Improvement	\$9,565.84	
City Stable.....	12,983.59	
City Notes.....	44,604.45	
		<u>\$441,249.33</u>
Leaving a Net Debt January 1, 1922.....		\$1,451,100.67
Net Debt January 1st, 1921, was.....		1,527,102.19
		<u> </u>
A decrease since January 1, 1921, of.....		\$76,001.52
Bonds and Notes paid in 1921	\$231,550.00	
Bonds issued in 1921.....	134,000.00	
		<u> </u>
	\$97,550.00	
The Sinking Funds decreased	21,548.48	
		<u> </u>
		\$76,001.52
Bonds and Notes authorized but not yet issued:		
U. S. Drainage and Irriga- tion (Notes)	\$8,860.16	
Sidewalk and Edgestones.....	7,000.00	
Tufts School (Portable).....	3,000.00	
Sewer	3,000.00	
Street Construction	7,500.00	
Drainage	14,000.00	
		<u> </u>
		\$43,360.16
The gross debt will have de- creased		\$32,641.36
The report of the Sinking Funds Commis- sion also gives the total of Trust Funds as		\$16,201.34
And the Perpetual Care Funds as.....		62,069.82

REPORTS OF THE
CITY AUDITOR
CITY TREASURER
CITY COLLECTOR
AND
Sinking Fund Commissioners
OF MEDFORD
WITH
DEBT STATEMENT
For the year ending December 31, 1921

Report of the City Auditor

Medford, January 1, 1922

Hon. Benjamin F. Haines, Mayor of the City of Medford:

Sir:—In compliance with the requirements of Section 5, Chapter VII, of the revised ordinances, I present the following report.

Respectfully submitted,
ARTHUR E. CROWLEY,
City Auditor.

Cash in Treasury, January 1, 1921	\$180,874.99
Receipts from Jan. 1 to Dec. 31st 1921.....	2,935,304.44
	<hr/>
	\$3,116,179.43

Sixty-eight drafts have been drawn on the treasury amounting to.....	2,799,052.12
	<hr/>

The cash in the treasury as shown by the books of this office on Jan. 1st, 1921...	\$317,127.31
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Certificates have been received at this office showing the amounts on deposit at the close of business January 19, 1922.

In National Shawmut Bank.....		\$51,288.72	
In National Shawmut Bank, Special Fund..		98,270.85	
In Medford Trust Co.....		55,427.74	
In Tremont Trust Co.....		75.34	
Cash in the treasury, including memoranda.		712.84	
Coupons held in National Shawmut Bank, Jan. 16.....		1,112.50	
			<hr/>
		\$206,887.99	
Deduct amount of outstanding checks.....		479.06	
			<hr/>
True Cash Balance January 19, 1922.....		\$206,408.93	
Auditor's books show that the cash in the treasury January 1, 1922, was.....		\$317,127.31	
Received from Commissioners of Sinking Fund Jan. 3, 1922.....		9,871.04	
Received from Commonwealth of Massachu- setts Jan. 13, 1922.....		1,351.91	
Interest credited by Medford Trust Co. Jan. 15, 1922		232.26	
Interest credited by National Shawmut Bank Jan. 15, 1922		656.61	
			<hr/>
		\$329,239.13	
Drafts Nos. 1 to 3 inclusive and voucher No. 101 of Draft 4 amount to	\$124,141.11		
All items are paid or accounted for except one-half of			
No. 8.....	\$16.00		
No. 42	14.00		
No. 45	9.52		
No. 56	44.00		
No. 61	1,227.39	1,310.91	122,830.20
			<hr/>
			\$206,408.93

ANALYSIS OF RECEIPTS

Revenue

GENERAL REVENUE

Taxes

Current Year:

Poll	\$45,552.00	
Personal	89,423.53	
Real Estate	899,137.90	
December Tax	135.52	
	<hr/>	\$1,034,248.95

Previous Year:

Poll	\$1,669.00	
Personal	13,320.85	
Real Estate	331,920.03	
December Tax	360.58	
	<hr/>	\$347,270.46

Tax Titles	700.00
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From State:

Corporation Tax	\$29,601.91	
National Bank Tax.....	3,760.57	
Income Tax	104,249.03	
Soldiers' Exemptions	1,391.02	
Street Railway Tax	4,802.63	
	<hr/>	\$143,805.16

Act 1919 Chap 490, Pt 3, Sec. 64

Act 1919 Chap 349, Pt. 349, Sec. 21

Licenses and Permits

Licenses:

Amusements	\$332.04	
Junk	130.00	
Milk	157.00	
Pool, Billiard and Bowling Alley	235.50	
Sunday and Lord's Day...	415.00	
Hawkers and Peddlers....	649.00	
Alcohol	2.00	
Non-alcohol Beverages ...	10.00	
Auctioneers	14.00	
Carriage and Truck.....	75.00	
Collector of Grease.....	6.00	
Public Garage and Re- newals	200.00	
Tea and Coffee.....	5.00	
Inn-Holder	3.00	
Common Victualler	72.00	
Intelligence Office.....	2.00	
Cosmetologist	1.00	
Lunch Wagon	10.00	
Used Car Dealers.....	185.00	
Second Hand Dealers.....	75.00	
Third Class	9.00	
Agents	50.00	
		<u>\$2,637.54</u>

Permits:

Marriage	\$519.00	
Signs, Awnings, etc.....	65.00	
Opening Streets	45.50	
Pole Location	28.00	
Hand Bills	268.50	
Storage of Gasoline and Oil	46.00	
Fireworks	19.00	
Transportation of Explo- sives	2.00	
		<u>\$993.00</u>

RECEIPTS

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Fines and Forfeits

Court Fines \$2,001.62

Grants and Gifts

From State—Vocational Schools	\$1,142.94	
Eastern St. Ry.—		
Assess. on sale		
of bonds	2,313.09	
From County—Dog Licenses..	1,935.31	
	<hr/>	\$5,391.34

All Other General Revenue

Rent of Land—Players Film Co. \$1,500.00

COMMERCIAL REVENUE

Special Assessments and Privileges

Special Assessments:

Sidewalk Applications ...	\$3,870.33	
Unapportioned Sidewalks.	8,716.68	
Apportioned Sidewalks...	2,220.32	
Apportioned Sidewalks,		
Paid in Advance	394.52	
	<hr/>	\$15,201.85
Street Watering		\$1,107.97
Unapportioned Betterments	\$4,792.33	
Apportioned Betterments..	2,258.93	
Apportioned Betterments,		
Paid in Advance	1,087.76	
	<hr/>	\$8,139.02
Unapportioned Sewer.....	\$2,490.49	
Apportioned Sewer	475.22	
Apportioned Sewer paid		
in advance	53.60	
	<hr/>	\$3,019.31

DEPARTMENTAL REVENUE

General Government

City Collector:

Advertising, Costs, etc.....	\$2,391.25	
Fees	506.00	
Tax Titles—Cost and Re- demption	35.80	
	_____	\$2,932.55

City Auditor:

Sale of Filing Cabinet....		\$25.00
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City Clerk:

Mortgages, Assignments, etc.	\$896.80	
Sale of Typewriter and Paper	33.00	
	_____	\$929.80

Engineer		\$2,543.17
Purchasing Department		23.38
Board of Survey		45.00
Mayor's Miscellaneous		43.08
City Hall		16.74

Protection of Persons and Property

Fire:

Refund of Overcharge....	\$11.36	
Refund of Overpayment of Salary	11.54	
	_____	\$22.90

RECEIPTS

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Armory	\$900.00
Electrical Department	75.73
Fire Alarm Signal System Equipment	256.55
Fire and Police Signal Service	752.32

Inspection:

Building	\$529.00	
Scaler of Weights and Measures	256.80	
Electrical	213.50	
Gas	76.25	
	<hr/>	\$1,075.55

Health and Sanitation

Health:

Contagious Diseases	\$123.43
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Sanitation:

Sewer Maintenance	\$4.50
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House Connections:

Unapportioned	\$4,263.51	
Added to Taxes.....	2,446.52	
Apportioned	1,693.29	
Paid in Advance	319.62	
	<hr/>	\$8,722.94

Sewer Construction:

Labor and Materials.....	\$767.45	
All Other	148.40	
	<hr/>	\$915.85

Refuse and Garbage Disposal:

Ashes and Refuse.....	\$1,798.30	
Garbage	5,775.00	
	<hr/>	\$7,573.30

Other Health and Sanitation:

Construction of Culvert..		\$116.25
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Highways

General:

Labor and Materials.....	\$281.75	
All Others--Teaming, etc..	1,062.13	
	<hr/>	\$1,343.88

Construction:

Making Driveways		\$598.50
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Sidewalks and Curbing:

Making Walk	\$10.00	
Repairing Sidewalks	50.00	
Lowering Curb	45.00	
	<hr/>	\$105.00

Watering Streets		\$240.00
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Charities

City Home:

Sale of Produce and Life		
Stock	\$376.73	
Board	1,383.70	
All Other	18.75	
	<hr/>	\$1,779.18

RECEIPTS

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Outside Relief Reimbursements:

Individuals	\$146.50	
Cities and Towns	21.00	
State—"Mothers' Aid"...	42.00	
	<hr/>	\$188.50
Special Fund		\$328.11

Soldiers' Benefits

Reimbursements:

State Aid	\$3,524.00	
Military Aid	468.50	
Soldiers' Burial	60.00	
Soldiers' Relief	193.00	
	<hr/>	\$4,245.50

Schools

Tuition of State Wards.....		\$1,850.25
Evening Schools		97.92
Text Books and Supplies.....		545.58
Telephone		28.94
Refund		3.52
Others		56.86

Fulton Heights School House

Cement Returned	\$447.80	
Empty Bags Returned.....	72.20	
Sale of Materials, etc.....	155.08	
Refund from Insurance.....	50.00	
	<hr/>	\$725.08

Libraries

Fines	\$653.11	
All other	336.29	
	<u> </u>	\$989.40

Public Commons

Refund—Payment in error....		\$18.00
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Unclassified

Premium on Notes.....	\$6.00	
Sale of Lots (Cemetery).....	277.00	
Land Court Expenses.....	129.25	
Constables' Fees and Expense	389.60	
	<u> </u>	\$801.85

PUBLIC SERVICE ENTERPRISE**Water**

Receipts from Sale of Water..	\$96,190.74	
Construction:		
Water Connections	5,843.34	
	<u> </u>	\$102,034.08

Cemeteries**Sale of Lots and Graves:**

Lots	\$3,011.50
Graves	4,136.50

RECEIPTS

. 17

Care of Lots and Graves.....	\$332.13	
Interments	2,955.75	
Foundation	304.00	
All Other	2,194.11	
	_____	\$12,933.99

MUNICIPAL INDEBTEDNESS

Temporary Loans:

Anticipation of Revenue..		\$1,000,000.00
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General Loans:

Premium on Bonds.....	\$160.62	
Sale of Bonds	134,000.00	
	_____	\$134,160.62

From Sinking Fund Commis- sioners		42,200.00
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Interest

On Deposits	\$5,589.14	
Taxes	17,155.41	

Special Assessments:

Sewer	108.30	
Sidewalk	718.23	
Betterment	765.95	
House Connections	391.34	
Tax Titles	256.79	

Water Interest from Sinking	
Fund Commissioners	\$4,721.10
On Bonds	177.34
Liberty Bonds	131.25
Trust Funds	1,202.23
All Other	13.37
	<hr/>
	\$31,230.45

Trust and Investments

Cemetery, Perpetual Care.....	\$2,840.00
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Refunds, Etc.

State—Refund—Dredging Mal-	
den River	\$1,333.33
Collector's Dept.—Bills Paid	
Twice	26.56
Second Street Assessment—	
Overpayments	252.32
Geo. D. Cummings—Refund of	
Salary	\$1,218.76
Middlesex County Court—Re-	
fund Excessive Costs.....	14.00
	<hr/>
	\$2,844.97
Total receipts	\$2,935,304.44
Cash Balance January 1, 1921.....	180,874.99
	<hr/>
	\$3,116,179.43

ANALYSIS OF PAYMENTS**Revenue****GENERAL GOVERNMENT****Aldermen's Contingent****Expenses:**

Stationery and Postage...	\$38.00	
Printing and Advertising.	528.49	
Stenographic Report Quarterly Hearing	201.20	
Banquet and Refreshments	196.50	
All Other	146.97	
	<hr/>	\$1,111.16

Mayor's Miscellaneous Account**Expenses:**

Clerk and Stenographer..	\$1,909.50	
Other Clerical	301.00	
Stationery and Postage...	272.27	
Printing and Advertising.	32.05	
Telephone	204.00	
All Other	333.83	
	<hr/>	3,052.65

Auditing Department**Salaries and Wages:**

Auditor	\$2,750.00
Clerks	1,847.59
Pension	1,250.00

Expenses:

Stationery and Postage...	\$82.69	
Printing	434.17	
Telephone	73.84	
Equipment	518.52	
All Other	70.81	
		\$7,027.62

Treasury Department

Salary:

Treasurer	\$2,750.00
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Expenses:

Books, Stationery, Postage	124.35	
Printing and Advertising.	33.00	
Carfare	8.80	
Telephone	27.96	
Filing Cabinet and Desk..	100.00	
All Other .....	.25	
		\$3,044.36

Collecting Department

Salaries:

Collector	\$2,750.00
Clerks	5,081.69

Expenses:

Books, Stationery, Postage	936.31	
Printing and Advertising.	1,217.32	
Carfares, etc.	29.05	
Typewriter and Desk, and Chair	189.50	

EXPENDITURES

21

Telephone	\$67.20	
Constables' Fees and Ex-		
penses	389.88	
All Other	129.14	
		\$10,790.09

Assessors

Salaries:

Assessors	\$3,950.00	
Assistants	1,435.50	
Clerks	5,812.00	

Expenses:

Books, Stationery, Postage	247.74	
Printing and Advertising..	393.25	
Carfares, Teams, etc.....	181.55	
Telephone	48.44	
Poll Books	2,318.00	
All Other	396.57	
Equipment	245.47	
		\$15,028.52

Law Department

Salary:

City Solicitor	\$2,000.00	
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Expenses:

Stationery and Postage...	58.69	
Costs and Printing.....	224.72	
		\$2,283.41

City Clerk's Department**Salaries:**

City Clerk.....	\$2,900.00
Assistant City Clerk.....	1,500.00
Clerks	1,608.00

Expenses:

Stationery and Postage...	285.53
Printing and Advertising.	349.75
Carfare	27.57
Telephone	97.37
All Other	310.72
Equipment	218.51

\$7,297.45

Engineering Department**Salaries:**

Engineer	\$2,750.00
Assistants	4,328.48
Clerks	111.52

Expenses:

Stationery and Postage...	46.64
Printing and Advertising.	50.35
Blue Prints, Supplies, etc..	275.51
Carfares, Teams	124.18
Telephone	30.92
All Other	27.83

\$7,745.43

EXPENDITURES

23

Election Expenses

Election Officers	\$951.00	
Special Supervision	82.00	
Clerical Work, Posting, etc.	1,099.10	
Janitors	55.00	
Stationery, Printing, Ad- vertising	1,259.60	
Rent	90.00	
Teaming and Setting up Voting Booths	481.00	
All Other	255.17	
Election Equipment—Signs	150.00	
	<hr/>	\$4,422.87

Purchasing Department**Salaries:**

Purchasing Agent	\$2,500.00
Clerks	1,244.79

Expenses:

Stationery and Postage...	\$129.04	
Printing and Advertising..	10.50	
Telephone	136.17	
Auto Expenses	480.00	
All Other	20.91	
	<hr/>	\$4,521.41

Board of Survey

Advertising	\$64.75	
Engineering Labor	16.98	
Refund on Deposits.....	77.66	
All Other	14.75	
	<hr/>	\$174.14

City Hall and Messenger's Expense

Salaries:

City Messenger	\$2,088.33
Janitor	1,865.00
Night Watchman	1,900.00
Other Salaries	501.01

Expenses:

Rent of Offices.....	5,693.04
Light	392.09
Janitor's Supplies	476.59
Towel Service	129.60
Spring Water, Ice, and Drinking Cups.....	166.30
Repairs	594.00
Telephone	89.06
Stationery, Printing, Post- age	198.70
Auto Rental	181.00
Inaugural Expenses	725.75
All Other	484.43
Window Shades	43.00
Window Ventilators	62.10

\$15,590.00

PROTECTION OF PERSONS AND PROPERTY

Police Department

Salaries and Wages:

Chief	\$2,750.00
Lieutenants and Sergeants	10,400.00
Patrolmen	59,051.63
Janitor	1,825.00
Matron	6.00
Pensions	1,450.00
Reserve Officers	8,964.44

Equipment and Repairs:

Motor Equipment:

Repairs	1,056.65
Gasoline and Oil.....	658.72
Other	1,352.66
Equipment for Men.....	565.20
Other Equipment	50.62
Fuel	935.59
Light	179.36

Building and Grounds:

Repairs	74.82
Janitor's Supplies.....	44.38
Water	21.30
Other	73.78

Other Expenses:

Printing, Stationery, Post- age	\$573.91	
Telephone	158.04	
Care and Transportation of Prisoners	27.61	
Travelling Expenses	173.45	
Other	152.15	
	<hr/>	\$90,545.31.

FIRE DEPARTMENT

Salaries and Wages:

Chief	\$1,981.17
Deputy Chief	2,075.92
Firemen	98,210.42
Call Men	819.44
Pensions	833.34
Mechanician	2,008.38
Horses and Care of Same.	75.00

Equipment and Repairs

Motor Equipment:

Repairs	\$1,303.72
Gasoline and Oil and Kero- sene	903.76
Other	1,256.65
Equipment for Men.....	262.10

EXPENDITURES

27

Hose and Fittings.....	\$319.34
Equipment and Supplies..	674.14
Other Equipment	90.36
Fuel	2,344.70
Light	506.37

Buildings and Grounds:

Repairs	1,491.94
Janitor's Supplies	185.02
Laundry	260.82
Furniture and Furnishings	160.74
Water	125.19
Other	277.57

Other Expenses:

Printing, Stationery, Post- age	51.17	
Telephone	236.81	
Other	232.09	
	<u> </u>	\$116,686.16

Fire Department Repair Shop

Equipment:

Equipment	\$1,717.34	
Labor	152.00	
	<u> </u>	\$1,869.34

BUILDING INSPECTION DEPARTMENT

Salary:

Building Commissioner ... \$2,000.00

Expenses:

Stationery and Postage...	5.50	
Printing and Advertising.	49.50	
Maintenance and Use of		
Auto	360.00	
Telephone	12.00	
		<hr/>
		\$2,427.00

SEALER OF WEIGHTS AND MEASURES

DEPARTMENT

Salary:

Sealer

\$1,300.00

Expenses:

Assistants	52.00	
Books, Stationery, Postage	15.45	
Printing and Advertising.	13.25	
Carfares, Teams, etc.....	194.10	
Telephone	28.90	
Equipment	81.43	
Other	44.09	
		<hr/>
		\$1,729.22

Gypsy and Brown Tail Moths

Salary:

Superintendent	\$400.00
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Expenses:

Labor	6,235.69
Equipment and Repairs..	133.95
Insecticides	99.10

\$6,868.74

Trees

Expenses:

Labor	\$4,406.11
Equipment and Repairs...	57.77

\$4,463.88

Electrical Department

Salaries:

Superintendent	\$2,300.00
Lineman	1,784.00

Expenses:

Printing and Stationery..	38.07
Telephone	116.37
Use of Auto.....	480.00
Supplies	92.40
Other	37.48

\$4,848.32

Fire Alarm and Police Signal Service

Expenses:

Labor	\$261.25
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Fire Alarm:

Equipment	\$635.57
Repairs	41.58
Supplies	308.30
Police Signal:	
Equipment	219.04
Supplies	62.72
All Other	9.42
Auto	176.30

 \$1,714.18
Police Signal System Equipment**Salary:**

Lineman	\$142.51
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Expenses:

Equipment	234.39
Repairs	13.50
Auto	34.00
Other	1.00

 \$425.40
Fire Alarm Signal System Equipment**Expenses:**

Signal Boxes	\$1,091.79
Auto	78.00

 \$1,169.79
Militia

Armory—Rent	\$2,000.00
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Co. E, 101st Engineers:

Rifle Practice	540.25
Transportation	391.60

 \$2,931.85

HEALTH AND SANITATION

Health Department

Salaries:

Chairman of Board of Health	\$400.00
Other Members	100.00
Health Inspector	532.25
Medical Inspector	200.00
Inspector of Plumbing....	1,815.00
Clerk	1,300.00
Nurse	374.00
Inspector of Dumps.....	1,590.00

Expenses:

Office Supplies, Stationery and Postage	35.05
Printing and Advertising.	149.25
Telephone	119.14
Automobile:	
Hire	40.00
Repairs	67.71
Gasoline and Oil.....	233.25
Other	74.15
Medical Attendance	13.00
Dental Equipment	281.31
Burying Dead Animals...	30.75
All Other	93.00

Inspection**School Children:**

Salaries	\$600.00
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Meat and Provisions:

Salaries	250.00
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Milk and Vinegar:

Salaries	500.00
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\$8,797.86

Contagious Diseases

Guards and Nurses.....	\$532.00
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Drugs and Medicines.....	256.75
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Auto Expense	293.20
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Printing, Stationery and Post- age	40.25
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Miscellaneous	42.75
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Institutions**Board and Treatment:**

State	\$330.29
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Cities	411.78
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Towns	47.15
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Private	72.50
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Tuberculosis**Board and Treatment:**

State Institutions.....	\$88.00
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\$2,114.67

Reporting and Recording Births and Deaths**Expenses:**

Clerks	\$546.25	
Canvassers	245.50	
Printing, Stationery and Postage	18.75	
Reporting Births	104.75	
Reporting Deaths	66.00	
Other	16.00	
	<hr/>	\$997.25

Sanitation**Sewer Maintenance:**

Labor	\$2,342.30	
Equipment	170.42	
Equipment and Repairs..	12.00	
All Other	6.78	
	<hr/>	\$2,531.50

Sewer Construction:**Administration:**

Watchman	\$351.54
Compensation	21.00
Pensions	639.00
Holidays & Vacations.	3,680.05
Office Clerks	2,011.49
Others	97.46
Engineering	1,047.93
Labor	16,056.53
Equipment and Repairs...	1,150.06
Brick, Sand, Cement, etc...	1,495.02
Pipe and Castings	2,403.97

Freight	\$456.11	
Lumber	53.79	
House Connections (Labor)	6,158.10	
Other	1,439.37	
	<hr/>	\$37,061.42

Surface Drains and Catch Basins Construction:

Engineering	\$138.72	
Labor	4,697.73	
Equipment and Repairs...	196.91	
Brick, Sand, Cement, etc...	97.93	
Pipe and Castings.....	3,408.21	
Freight	138.35	
Lumber	105.00	
All Other	130.36	
	<hr/>	\$8,913.21

Maintenance of Surface Drains and Catch Basins:

Labor	\$899.65	
Equipment and Repairs...	100.35	
	<hr/>	\$1,000.00

Street Cleaning:

Labor	\$11,233.17	
Cleaning Catch Basins....	4,284.50	
	<hr/>	\$15,517.67

Ashes

Labor	\$32,345.35	
Equipment and Repairs.....	769.25	
Gasoline and Oil.....	1,012.96	
Hay, Grain, etc.....	1,654.69	
Supplies and Tools.....	289.27	
All Other	136.78	
	<hr/>	\$36,208.30

Collection of House Ofal

Labor	\$20,453.45	
Equipment	18.00	
Equipment and Repairs.....	1,162.68	
Gasoline and Oil.....	1,010.57	
Hay and Grain.....	549.51	
All Other	371.76	
	<hr/>	\$23,565.97

Brooks and Streams

Administration	\$651.55	
Labor	5,488.80	
Equipment	133.50	
Equipment and Repairs.....	2.50	
Engineering	90.59	
Other	162.81	
	<hr/>	\$6,529.75

General Repairs**Administration:**

Salary of Commissioner..	\$2,750.00
Clerks	1,996.66
Stationery and Postage...	137.17
Printing and Advertising.	22.50
Telephone	154.60
Office Equipment	26.54
Insurance	452.00
All Other	64.00

General Expenses:

Labor	\$9,032.39
Equipment	134.19
Equipment and Repairs...	1,067.09
Road Binders and Oil....	3,070.31

Crushed Stone, Sand, Gravel, etc.	\$5,571.04
Fuel	731.60
Repairing Salem Street...	2,759.11
Others	439.85

Maintenance of Stable:

Labor	\$7,260.98
Hay, Grain and Straw....	3,442.02
Equipment and Repairs..	2,352.55
Stable Supplies	834.51
Fuel and Light.....	488.34
Gasoline and Oil.....	1,800.88
Veterinary and Medicines.	51.66
Auto	2,357.40
Other	165.83

Snow and Ice Removal:

Labor	\$3,477.59
Equipment and Repairs...	250.00
Others	18.80

\$50,909.61

Gravel Sidewalks

Labor	\$1,499.16
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Sidewalks and Edgestones

Maintenance:

Labor	\$7,249.55
Crushed Stone, Sand, Gravel, etc.	1,647.28
Edgestones	1,788.87

EXPENDITURES

37

Engineering	\$272.51	
All Other	451.74	
	<hr/>	\$11,409.95

Construction:

Engineering	\$309.56
Labor	12,963.97
Teams, Care of Horses, etc	260.65
Edgestones	2,760.47
Tar and Binders	104.00
Crushed Stone, Sand, Gravel, etc.	2,989.07
Brick and Cement	2,947.52
Freight	938.29
All Other	352.96

Motor Equipment:

Repairs	\$152.19	
Gasoline and Oil	314.62	
All Other .....	.92
	<hr/>	\$24,094.22

Tar Walks

Labor	\$61.52	
Asphalt	438.48	
	<hr/>	\$500.00

Bridges

Labor	\$229.44	
Lumber	9.00	
	<hr/>	\$238.44

Paving Gutters

Labor	\$499.58
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Watering Streets

Labor	\$4,456.05	
Motor Equipment:		
Repairs	595.53	
Gasoline and Oil.....	224.36	
Other	164.71	
Road Oil	10,364.32	
Asphalt	1,044.00	
Freight	961.44	
All Other	232.68	
	<hr/>	\$18,043.09

Original Construction of Streets

Engineering	\$30.30	
Labor	267.91	
	<hr/>	\$298.21

Construction—Salem Street Widening

Labor	\$3,678.56	
Crushed Stone, Sand, Gravel, etc.	584.95	
Cement	248.44	
Auto:		
Gasoline and Oil	93.24	
	<hr/>	\$4,605.19

Construction—Amaranth Avenue

Labor	\$2,341.86
Edgestone	2,087.88
Engineering	61.82
Tools and Supplies.....	289.50

EXPENDITURES

39

Gasoline, Oil, etc.	\$231.22	
Crushed Stone	1,035.25	
Teaming	200.00	
Road Oil	202.00	
	<hr/>	\$6,449.53

Construction—Gourley Road

Labor	\$2,719.09	
Edgestone	2,334.82	
Engineering	79.80	
Crushed Stone and Gravel.....	2,269.81	
Teaming	200.00	
Gasoline and Oil.....	113.04	
Cement	47.86	
	<hr/>	\$7,764.42

Construction—Dwyer Circle

Labor	\$1,432.03	
Edgestone	1,224.06	
Teaming	100.00	
	<hr/>	\$2,756.09

Street Lights

Contract	\$25,820.31	
Other Installments	50.17	
	<hr/>	\$25,870.48
Highway Department Pensions		\$2,350.00

Stone Bounds

Engineering	\$24.64	
Labor	367.60	
	<hr/>	\$392.24

Guide Boards and Street Signs

Labor	\$440.31	
Painting and Lettering.....	79.00	
Signs	178.20	
Others	2.49	
	<hr/>	\$700.00

CHARITIES AND SOLDIERS' BENEFITS

Poor Department

Salaries:

Overseers	\$800.00
Secretary	349.92

Expenses:

Stationery and Postage...	8.40
Travelling Expenses	9.50
Auto	483.51
Other	1.00

Outside Relief by City:

Cash Aid	\$7,752.40
Fuel	503.90
Groceries and Provisions..	255.05
Dry Goods and Clothing..	319.03
Drugs and Medicines.....	87.16
Board and Care.....	2,343.41
Rent	470.50

EXPENDITURES

Transportation	\$1.00
Burials	95.00
State Institutions	1,882.13
Other Institutions	1,219.96
Medical Attendance and Nursing	12.00
All Other	126.23

Relief Given by Other Cities:

City of Boston.....	162.00
City of Everett.....	132.05
City of Malden.....	36.00
City of Somerville.....	37.00

Mothers' Aid

Relief Given by City:

Cash Aid	\$11,486.75
Shoes	24.53

Relief Given by Other Cities:

City of Malden.....	987.16
City of Somerville.....	560.97

\$30,146.56

City Home

Salaries:

Superintendent	\$999.97
Other Employees	3,735.46

Expenses:

Groceries and Provisions..	3,591.02
Dry Goods and Clothing..	496.77
Medicine and Medical Attendance, Nursing ...	351.84

REPORT OF CITY AUDITOR

Fuel and Light	\$1,613.46	
Furniture and Furnishings	331.00	
Repairs	955.95	
Telephone	89.86	
Equipment	71.61	
Equipment and Repairs...	543.31	
Live Stock	299.39	
Hay, Straw and Grain....	695.63	
Shoeing	113.10	
Water	85.32	
Agricultural Supplies	24.13	
All Other	591.86	
	<hr/>	\$14,589.68

Soldiers' Benefits

State Aid:

Spanish and Civil.....	\$2,071.00	
German	1,387.00	
	<hr/>	\$3,458.00
Military Aid		983.00
Soldiers' Relief		12,972.96

SCHOOLS AND LIBRARIES**SCHOOL DEPARTMENT****General Administration**

Salaries and Wages:

Secretary	\$600.00
Superintendent	3,866.67

EXPENDITURES

Clerks	\$3,932.50
Truant Officer	1,745.00
Expenses:	
Printing, Stationery, Post- age	416.40
Telephone	785.33
Travelling Expenses	199.52
All Other	866.43
Teachers' Salaries:	
Day Schools:	
High	\$92,239.86
Elementary	232,946.48
Supervisors	5,505.39
Evening Schools:	
High	936.50
Elementary	910.00
Administration	43.00
Tuition:	
High	120.00
Elementary	150.00
Support of Truants.....	392.57
Janitors' Salaries:	
Day Schools:	
High	6,213.78
Elementary	19,273.79
Other	281.50
Evening Schools:	
High	200.00
Pension "Stewardship"	200.00

Text Books and Supplies**High:**

Text and Reference Books	\$1,744.17
All Other	1,899.27

Elementary:

Text and Reference Books	4,652.09
All Other	6,169.04

Evening:

Books and Supplies.....	92.16
All Other	9.50

Fuel and Light:

High	3,587.82
Elementary	17,864.21

Maintenance of Buildings and Grounds

Supervision	\$187.50
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High:

Repairs	1,136.70
Janitors' Supplies	176.67
All Other	585.27

Elementary:

Repairs	14,848.20
Janitors' Supplies	847.46
All Other	1,020.87

Moving and Setting up Port-

able School (Dame).....	560.00
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EXPENDITURES

45

Furniture and Furnishings:

High	\$267.33
Elementary	1,074.21

Other Expenses:

Diplomas and Graduation Exercises	483.11
Other	6.51

 \$429,036.81

Summer School

Teachers	\$1,110.00
Books, etc.	60.50
Other	12.34

 \$1,182.84

Retarded Children

Salaries	\$1,389.50
Transportation	65.00
Books and Supplies.....	68.63
Others	12.50

 \$1,535.63

Trade School

Tuition	\$2,239.19
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Brooks Schoolhouse

Furnishings	\$148.50
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Portable Schoolhouse (Dame School)

Furniture and Furnishings....	\$3,260.41
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Fulton Heights Schoolhouse

10% as per agreement.....	\$3,069.43	
Labor	14,054.43	
Rent of Truck	1,450.00	
Furniture and Fixtures.....	4,371.68	
Construction Materials	9,873.07	
Tools and Supplies	427.20	
Telephone	58.59	
Other	1,086.01	
Heating and Plumbing.....	8,716.00	
Architect's Services	4,190.40	
Electric Wiring and Fixtures..	1,400.00	
Land	1,200.00	
Fuel	815.26	
	<hr/>	\$50,712.07

Swan Junior High School

Equipment	\$790.00
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Public Library**Salaries and Wages:**

Librarian	\$1,687.50
Assistants	5,074.80
Janitor	1,080.50
All Other	166.90

Expenses:

Books	2,946.87
Periodicals	306.62
Binding	2,035.68
Fuel	955.40
Light	173.57

Buildings and Grounds:

Repairs	\$834.02
Furniture and Furnishings	11.37
Janitor's Supplies	55.25
All Other	73.32

Other Expenses:

Printing, Stationery, Post- age	556.64
Express	106.80
Telephone	57.09
All Other	326.98

 \$16,449.31
Agencies

Agents	\$311.68
Others	83.32

 \$395.00
RECREATION AND UNCLASSIFIED**Park Department****Administration:**

Superintendent	\$799.99
Secretary and Clerk	399.98
Printing, Stationery, Post- age,	9.00

Telephone	\$35.52
All Other	20.35

Public Commons:

Labor	6,272.03
Teams	559.06
Equipment	161.24
Equipment and Repairs...	277.84
Band Stand, Repairs, Flag and Flagpoles	20.00
All Other	237.71

Playgrounds:

Supervision	1,336.00
Athletic Supplies	202.12
Other	52.50

\$10,383.34

Care of Bath House

Keeper	\$228.25
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Repairs:

Labor	361.34
Materials	277.10
Others	33.27

\$899.96

Park Street and Wellington Parks

Professional Services:

Engineering	\$250.00
Land	500.00

\$750.00

UNCLASSIFIED

 Metropolitan Assessments

Park Tax	\$25,865.79
Charles River Basin.....	4,044.42
Wellington Bridge	4,718.14
Sewer Tax	45,955.13

State Taxes

Special State Tax:

Dorchester Rapid Transit.	\$205.14	
Special War Tax.....	4,672.80	
		<hr/>
		\$4,877.94
Eastern Mass. St. Railway Co. Tax		1,161.83
Civilian War Poll Tax.....		30,588.00
Fire Prevention Tax.....		369.77
State Tax		99,120.00
State Highway Tax.....		185.11

County of Middlesex

County Tax, 1921.....	\$56,634.86
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Claims:

Industrial Accident Com- pensation	\$1,748.00	
Other	1,031.55	
		<hr/>
		\$2,779.55

Celebration of April 19th.....	\$129.20
Band Concerts	484.00

Decoration and Care of Soldiers' Graves:

Post 66, G. A. R.....	\$499.05	
Camp 30, S. W. V.....	249.55	
American Legion	368.69	
	<hr/>	\$1,117.29
Decoration of Policemen's Graves		\$50.00
Decoration of Firemen's Graves		50.00
Rent—Spanish War Veterans..		280.00
Rent of G. A. R. Hall.....		400.00
Rent of Post 45, American Le- gion		735.00
Insurance		17,622.01
Bonds of City Officials.....		580.00

BILLS OF 1920

General Government

City Hall:

Rent of Offices.....	\$995.84
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Protection of Persons and Property

Police Department:

Motor Equipment—Repairs	\$683.52
Gasoline and Oil.....	297.66
Others	18.13
Equipment for Men.....	10.10
Others	1.55
Fuel	290.60
Light	127.03

EXPENDITURES

Buildings and Grounds:

Repairs	\$213.66
Janitor's Supplies ...	8.88
Water	4.80
Other	12.75

Other Expenses:

Printing, Stationery & Postage	124.22
Telephone	75.03
Care and Transporta- tion of Prisoner..	2.85
Travelling Expense ..	40.10
Other	53.50

\$1,964.38

Fire Department:

Horses and Care of Same..	\$196.00
Motor Equipment:	
Repairs and Others...	.60
Fuel	12.75
Light	8.55
Building and Grounds:	
Laundry	39.03
Other Expenses:	
Telephone	21.65
Other35

\$278.93

Health Department:

Inspector of Dumps.....	\$180.13
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Institutions:

Board and Treatment —State	221.14
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\$401.27

CHARITIES AND SOLDIERS' BENEFITS
(1920 Bills)

Poor Department

Outside Relief by City:

Fuel	\$86.00
Groceries and Provisions..	63.46
Dry Goods and Clothing..	135.94
Drugs and Medicines.....	24.20
Board and Care.....	32.00
Burials	60.00
Others	40.16
State Institutions	828.28
Others	65.50

Mothers' Aid

Relief by City:

Medical	\$8.00
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Relief by Other Cities:

City of Malden.....	485.33
City of Somerville.....	53.33

\$1,882.20

City Home

Salaries:

Nurse	\$10.74
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Expenses:

Groceries and Provisions..	\$1,234.25
Dry Goods and Clothing..	53.09
Medical Attendance and Medicines	250.64

EXPENDITURES

53

Fuel and Light.....	\$612.38	
Furniture and Furnishings	43.77	
Repairs	147.85	
Telephone	11.36	
Equipment	35.00	
Equipment and Repairs..	195.02	
Live Stock	75.00	
Grain, Hay, etc.....	248.14	
Shoeing	56.48	
Water	83.76	
Others	121.85	
		\$3,179.33

SCHOOL DEPARTMENT
(1920 Bills)

General Administration

Expense:

Printing, Stationery and Postage	\$32.88
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Tuition:

Support of Truants.....	\$104.00
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Text Books and Supplies

High:

Text and Reference Books	\$217.31
All Other	323.25

Elementary:

Text and Reference Books	1,598.42
All Other	1,205.31

Evening:

Books and Supplies.....	\$10.26
All Other	11.36

Fuel and Light:

High	5,731.27
Elementary	12,600.63

Maintenance of Buildings and Grounds

Supervision	\$20.00
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High:

Repairs	201.27
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Elementary:

Repairs	1,260.51
Others	186.78

Furniture and Furnishings:

Elementary	33.38
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Diplomas	126.00
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Trade Schools

Tuition	\$885.62	\$24,548.25
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Printing City Reports

Contract		\$153.80
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(Bills 1921)

Printing and Binding City Reports

Supervision	\$50.00	
Contract	1,634.80	
All Other	3.25	
	<hr/>	\$1,688.05

Printing City Ordinances

Advertising City Ordinances..	\$73.50	
Printing	13.50	
Other	8.90	
	<hr/>	\$95.90
Rent of Vaults—Sinking Fund		
Commissioners		\$10.00
Memorial Honor Roll.....		1,323.94

Salaries:

Mayor	\$3,000.00	
Mayor's Clerk	200.00	
City Physician	500.00	
Clerk of Committees.....	75.00	
Inspector of Animals....	100.00	
Registrars of Voters.....	1,400.00	
Treasurer of Sinking Funds	450.00	
Agent—State Aid	300.00	
	<hr/>	\$6,025.00

Tax Titles:

Estates bought at sale		
for Taxes		\$1,714.45

Water Service**Administration:**

Superintendent	\$2,400.00
Registrar	2,300.00
Clerk of Board	204.00
Clerks	3,405.00
Water Commissioners	150.00
Watchman	518.84
Vacation and Holidays....	5,547.54
Accident Compensation	
and Pensions	1,015.25

Reading Meters	\$4,122.99
Printing, Stationery, Post- age	440.44
Telephone	190.00
All Other	248.87
General:	
Labor	4,611.93
Pipe and Fittings	58.32
Meters and Repairs.....	1,759.71
Hydrants and Repairs....	1,575.79
Equipment and Repairs...	169.72
Repairs on Buildings.....	864.42
Refunds	10.40
All Other	69.75
Shop and Garage:	
Labor	3,310.75
Hay, Grain and Straw....	316.59
Repairs of Wagons, Har- ness, etc.	190.35
Stable Supplies	37.34
Motor Equipment:	
Repairs	3,749.66
Gasoline and Oil.....	2,326.04
All Other	853.13
Fuel and Light	923.91
All Other	21.94
Construction:	
Labor	12,216.32
Teams	18.00
Pipe and Fittings.....	5,479.73
Meters and Fittings.....	3,067.81
Hydrants and Fittings....	121.23
Freight	223.50

EXPENDITURES

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Equipment and Repairs..	\$1,667.57	
Engineering Labor	5.00	
All Other	609.44	
Service Connections:		
Labor	1,929.90	
Gasoline and Oil.....	39.68	
Pine and Fittings.....	3,099.45	
Others	105.48	
Metropolitan Water Tax.....	40,358.42	
	<hr/>	\$110,334.21

Care of Cross and Salem Street Cemeteries

Labor	\$199.44
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Care of Oak Grove Cemetery

Salaries and Wages:

Trustees	\$200.00
Superintendent and Acting Superintendent	2,080.00
Clerk	660.00
Labor	12,376.54

Expenses:

Fertilizer, Loam, Dressing, etc.	576.06
Trees, Plants and Shrubs..	1,184.40
Hardware and Tools.....	302.83
Equipment	340.44
Auto Supplies and Repairs	1,042.39
Horses and Care of Same..	567.98
Maintenance of Buildings.	399.83
Lumber	210.88

Telephone	\$91.98	
Office Supplies	105.64	
Fuel and Light.....	96.82	
All Other	1,169.69	
	<hr/>	\$21,405.48

INTEREST AND MATURING DEBT

Interest

Temporary Loans:

Anticipation of Revenue..	\$47,863.95	
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General Loans:

Sidewalks and Streets....	14,809.50	
Sewer and Surface Drains.	14,307.50	
Schools	31,750.75	
City Hall and Other.....	6,200.00	
Other	13,073.47	
On Registered Bonds.....	1,060.00	

Interest on Water Debt.....	3,560.00	
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\$132,625.17

Municipal Indebtedness

Temporary Loans:

Anticipation of Revenue..	\$750,000.00
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General Loans:

Sidewalk and Streets....	\$75,200.00
Sewer and Surface Drains	38,700.00
Schools	51,000.00

EXPENDITURES

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Other	\$46,650.00	
Preparation and Certifica- tion	950.00	
	<hr/>	\$212,500.00
Water		\$20,000.00
Perpetual Care Fund.....		2,840.00
Sinking Fund		5,060.00
Income from Trust Funds		
Bradbury Fund	\$512.03	
Secomb Fund	259.81	
Simonds Fund	58.20	
Hall Church Fund.....	223.95	
Osgood, Tufts and Munroe (Li- brary)	134.80	
	<hr/>	\$1,188.79
Refunds		
Poll Taxes	\$24.00	
Personal Taxes	31.82	
Betterment Assessments	617.31	
Sidewalk Assessments	36.50	
Sewer Connections	27.04	
Sewer Connections Interest...	4.55	
Overlay Taxes 1921.....	20.00	
Overlay Taxes 1920.....	3.00	
December Taxes 1921.....	114.40	
Water Connections and Over- payment to Treasurer....	691.66	
	<hr/>	\$1,570.28
Total Payments		<hr/> \$2,799,052.12
Cash Balance December 31, 1921		317,127.31
		<hr/> \$3,116,179.43

Miscellaneous Bills

The books of this department show the amounts remaining uncollected January 1, 1922, to have been the following accounts:

General Expense—School Department	\$544.25
Outside Relief	5,393.55
Contagious Diseases	813.38
Sewer Maintenance	46.73
Sewer Construction	2,411.76
Income from Estates taken for Taxes	22.50
Surface Drains	8.50
General Repairs of Highways..	403.77
Trees	3.00
Collection of Ashes.....	454.94
Gypsy and Brown Tail Moths..	201.87
Engineering Department Expenses	175.22
Miscellaneous Credits	98.28
Guide Boards and Signs.....	2.75
Food Production and Conservation	178.25
Sidewalks and Edgestones....	1,819.50
City Hall	39.05
Health Department Expenses..	681.60
Public Commons	18.00
Electrical Department Expenses	78.22
City Home	88.30
Purchasing Department Expenses	2.50
Fire Alarm Signal System....	740.00
City Debt	112.00
Interest	7.77
Soldiers' Relief	60.00
Fulton Heights School.....	13.00
Collection of House Offal.....	1,500.00
	<hr/>
	\$15,918.69

BALANCE SHEET DECEMBER 31, 1921

Cash	\$317,127.31	
Taxes 1921	471,125.97	
Taxes 1920	64,042.28	
Taxes 1919	451.36	
Taxes 1918	4.20	
Taxes 1917 .....	.95	
December Taxes 1921.....	163.68	
December Taxes 1920.....	64.07	
Tax Titles	8,383.94	
Land Court Expenses.....	99.25	
Constable's Fees and Expenses		\$9.52
Street Watering Assessments		
1919	24.32	
Street Watering Assessments		
1917 .....	.45	
Unapportioned Sewer Assess-		
ments	2,366.13	
Apportioned Sewer Assess-		
ments 1921	56.66	
Apportioned Sewer Assess-		
ments 1920	40.19	
Sidewalk Applications	450.50	
Unapportioned Sidewalk As-		
sessments	4,941.61	
Apportioned Sidewalk Assess-		
ments 1921	629.09	
Apportioned Sidewalk Assess-		
ments 1920	163.75	
Unapportioned Betterment As-		
sessments	4,416.67	
Apportioned Betterment As-		
sessments 1921	645.94	
Apportioned Betterment As-		
sessments 1920	163.36	

Com. Int. on Apportioned Sewer Assessments 1921..	\$9.18
Com. Int. on Apportioned Sewer Assessments 1920..	8.66
Com. Int. on Apportioned Sidewalk Assessments 1921	134.36
Com. Int. on Apportioned Sidewalk Assessments 1920	34.26
Com. Int. on Apportioned Betterment Assessments 1921	85.54
Com. Int. on Apportioned Betterment Assessments 1920	25.08
Com. Int. on Apportioned Sewer Connections 1921..	126.04
Com. Int. on Apportioned Sewer Connections 1920..	4.73
Com. Int. on Apportioned Sewer Connections 1919...	.66
Com. Int. on Apportioned Sewer Connections 1918...	.44
Com. Int. on Apportioned Sewer Connections 1917...	.23
Com. Int. on Apportioned Sewer Connections Added to Taxes 1921.....	81.44
Com. Int. on Apportioned Sewer Connections Added to Taxes 1920.....	12.37
Water Connections	3,944.86
Sewer Connections	4,886.84
Apportioned Sewer Connections 1921	619.27
Apportioned Sewer Connections 1920....	26.93
Apportioned Sewer Connections 1919	4.83
Apportioned Sewer Connections 1918	4.84

EXPENDITURES

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Apportioned Sewer Connections		
1917	\$4.84	
Sewer Connections Added to		
Taxes 1921	2,885.35	
Sewer Connections Added to		
Taxes 1920	330.56	
Mosquito Assessments	3,481.72	
Notes in Anticipation of Revenue		\$700,000.00
Overlay Taxes 1921.....		\$10,269.53
Overlay Taxes 1920.....		4,981.84
Overlay Taxes 1919.....	164.64	
Overlay Taxes 1917.....		16.48
Revenue—Excessive and Deficiency		36,440.82
December Tax Revenue.....		227.75
Sewer Assessment Revenue...		2,462.98
Sidewalk Assessment Revenue		5,734.45
Betterment Assessment Revenue		5,225.97
Sewer Connections Revenue...		5,547.55
Sewer Connections Added to		
Taxes Revenue		3,215.91
Com. Int. on Apportioned Assessments and Connections		525.99
Mosquito Nuisance		3,481.72
Tailings		153.49
State Aid	3,268.00	
Military Aid	461.50	
Miscellaneous Credits		900.00
Civilian War Poll Tax.....		1,242.00
Apportioned Sewer Assessments		
Not Due	1,997.50	
Apportioned Sewer Assessments		
Due 1922		516.89
Apportioned Sewer Assessments		
Due 1923		472.41
Apportioned Sewer Assessments		
Due 1924		437.82

Apportioned Sewer Assessments Due 1925		\$285.21
Apportioned Sewer Assessments Due 1926		285.17
Apportioned Sidewalk Assess- ments Not Due.....	6,625.68	
Apportioned Sidewalk Assess- ments Due 1922.....		1,961.09
Apportioned Sidewalk Assess- ments Due 1923.....		1,510.00
Apportioned Sidewalk Assess- ments Due 1924.....		1,175.16
Apportioned Sidewalk Assess- ments Due 1925.....		698.25
Apportioned Sidewalk Assess- ments Due 1926.....		485.31
Apportioned Sidewalk Assess- ments Due 1927.....		350.76
Apportioned Sidewalk Assess- ments Due 1928.....		243.69
Apportioned Sidewalk Assess- ments Due 1929.....		132.92
Apportioned Sidewalk Assess- ments Due 1930.....		59.29
Apportioned Sidewalk Assess- ments Due 1931.....		9.21
Apportioned Betterment Assess- ments Not Due.....	5,670.43	
Apportioned Betterment Assess- ments Due 1922.....		1,696.86
Apportioned Betterment Assess- ments Due 1923.....		1,504.17
Apportioned Betterment Assess- ments Due 1924.....		680.20
Apportioned Betterment Assess- ments Due 1925.....		415.48
Apportioned Betterment Assess- ments Due 1926.....		351.88

EXPENDITURES

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Apportioned Betterment Assessments Due 1927.....		\$253.17
Apportioned Betterment Assessments Due 1928.....		213.79
Apportioned Betterment Assessments Due 1929.....		192.60
Apportioned Betterment Assessments Due 1930.....		192.60
Apportioned Betterment Assessments Due 1931.....		169.68
Apportioned Sewer Connections Not Due.....	\$5,188.17	
Apportioned Sewer Connections Due 1922.....		1,529.34
Apportioned Sewer Connections Due 1923.....		1,442.62
Apportioned Sewer Connections Due 1924.....		1,211.46
Apportioned Sewer Connection Due 1925.....		834.34
Apportioned Sewer Connections Due 1926.....		170.41
Board of Survey.....		244.78
Boiler—Police Department		74.53
Repair Shop—Fire Department		82.98
Collection of House Offal.....	1,241.93	
General Repairs of Highways..	121.27	
Sidewalks & Edgestone Maintenance	305.97	
Outside Relief	8,164.06	
City Home	5,319.75	
Soldiers' Relief	6,719.96	
Special Fund		328.11
Repairs—School Department...		267.60
Public Library		475.00
Dedication of Honor Roll.....		500.00

Special Committee Board of Aldermen		\$800.00
Water Service	\$12,701.02	
Care of Oak Grove Cemetery..	271.49	
Interest—Water Debt		5,269.07
City Debt—General		44.79
Income from Trust Funds.....		205.25
Loans Authorized	43,360.16	
City Hall Construction.....		98,270.85
Police Signal System Equip- ment		89.04
Sewer Construction		161.83
Surface Drains — Construction		15,541.33
Paving Medford Sq., Main St., Salem and High Sts.....		146.21
Riverside Avenue		1,438.83
Sidewalks & Edgestones Con- struction		5,400.14
Fulton Heights Schoolhouse...		3,811.46
High School Addition.....		184.70
South Medford Schoolhouse...		212.11
Playground Equipment		3,000.00
Memorial Honor Roll.....		148.04
Food Production and Conserva- tion		25.07
Development of Port of Boston		333.34
Fuel Administration—Expenses		147.92
War Emergency		79.16
Special War Emergency.....		850.00
Auditing Department Equip- ment		2.12
Highway Department Equip- ments .....		.36
Land Dame School.....		4,000.00
Portable School (Dame).....		327.59
Park St. and Wellington Parks		8,692.69

EXPENDITURES

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Fire Department Repair Shop		
Equipment		\$630.66
Auto Ambulance—Poor Dept..		2.88
Fire Alarm Signal System		
Equipment		7.97
Portable Band Stand.....		259.75
City Hall Equipment.....		.05
Assessors' Dept. Equipment..		.48
Widening Salem Street.....		4,394.81
Construction Amaranth Avenue		1,550.47
Construction Dwyer Circle....		5,243.91
Construction Gourley Road....		3,235.58
Two-Penny Brook Covered		
Drain		6,000.00
Portable School House—Tufts		
School		3,000.00
U. S. Irrigation and Drainage		
Co.		10,760.00
Edward Street Construction...		3,500.00
Sheridan Avenue Construction.		4,000.00
	\$993,659.24	\$993,659.24

ASSESSMENTS APPORTIONED

Sewer Assessments Apportioned

Balance Jan. 1, 1921.....	\$784.24	
Apportioned in 1921.....	1,578.49	
		\$2,362.73
Committed to Collector in 1921	\$311.63	
Paid in Advance in 1921.....	53.60	
		\$365.23
Balance to be committed in fu- ture, years		\$1,997.50

Sidewalk Assessments Apportioned

Jan. 1, 1921, balance to be committed	\$6,836.50	
Apportioned in 1921.....	2,178.87	
	<hr/>	\$9,015.37
Committed to Collector in 1921	\$1,995.17	
Paid in advance in 1921.....	394.52	
	<hr/>	\$2,389.69
		<hr/>
Balance to be committed in future years		\$6,625.68

Betterment Assessments Apportioned

Jan. 1, 1921, balance to be committed	\$5,353.86	
Apportioned in 1921.....	3,421.33	
	<hr/>	\$8,775.19
Committed to Collector in 1921	\$2,017.00	
Paid in advance in 1921.....	1,087.76	
	<hr/>	\$3,104.76
		<hr/>
Balance to be committed in future years		\$5,670.43

Sewer Connections Apportioned

Jan. 1, 1921, balance to be committed	\$4,673.48	
Apportioned in 1921.....	2,644.67	
	<hr/>	\$7,318.15
Committed to Collector in 1921	\$1,810.36	
Paid in advance in 1921.....	319.62	
	<hr/>	\$2,129.98
		<hr/>
Balance to be committed in future years		\$5,188.17

BONDS OUTSIDE DEBT LIMIT

LOANS	Due	How Payable	Amount	Total Outstanding
Water Fund	Jan. 1, 1922	S. F.	\$4,000.00	.....
" "	Dec. 1, 1922	" "	25,000.00	.....
" "	July 1, 1923	" "	26,000.00	\$55,000.00
Water Mains Extensions..	Dec. 1, 1922	Taxes	2,000.00	.....
" " "	Dec. 1, 1923	" "	2,000.00	.....
" " "	Dec. 1, 1924	" "	1,000.00	.....
" " "	Dec. 1, 1925	" "	1,000.00	\$6,000.00
Sewerage Loan	Feb. 1, 1922	Taxes	500.00	.....
" "	June 1, 1922	" "	1,000.00	.....
" "	Aug. 1, 1922	S. F.	25,000.00	.....
" "	Sep. 1, 1922	Taxes	500.00	.....
" "	Nov. 1, 1922	" "	500.00	.....
" "	Dec. 1, 1922	" "	500.00	.....
" "	Feb. 1, 1923	" "	500.00	.....
" "	June 1, 1923	" "	1,000.00	.....
" "	Aug. 1, 1923	S. F.	30,000.00	.....
" "	Sep. 1, 1923	Taxes	500.00	.....
" "	Nov. 1, 1923	" "	500.00	.....
" "	Dec. 1, 1923	" "	500.00	.....
" "	Feb. 1, 1924	" "	500.00	.....
" "	June 1, 1924	" "	1,000.00	.....
" "	July 1, 1924	S. F.	10,000.00	.....
" "	Sep. 1, 1924	Taxes	500.00	.....
" "	Oct. 1, 1924	S. F.	10,000.00	.....
" "	Nov. 1, 1924	Taxes	500.00	.....
" "	Dec. 1, 1924	" "	500.00	.....
" "	Feb. 1, 1925	" "	500.00	.....
" "	June 1, 1925	" "	1,000.00	.....
" "	July 1, 1925	S. F.	20,000.00	.....
" "	Sep. 1, 1925	Taxes	500.00	.....
" "	Nov. 1, 1925	" "	500.00	.....
" "	Dec. 1, 1925	" "	500.00	.....
" "	Feb. 1, 1926	" "	500.00	.....
" "	June 1, 1926	" "	1,000.00	.....
" "	July 1, 1926	S. F.	41,000.00	.....
" "	Sep. 1, 1926	Taxes	500.00	.....
" "	Nov. 1, 1926	" "	500.00	.....
" "	Dec. 1, 1926	" "	500.00	.....
" "	Feb. 1, 1927	" "	500.00	.....
" "	June 1, 1927	" "	1,000.00	.....
" "	Sep. 1, 1927	" "	500.00	.....
" "	Nov. 1, 1927	" "	500.00	.....
" "	Dec. 1, 1927	" "	500.00	.....
" "	Feb. 1, 1928	" "	500.00	.....

BONDS OUTSIDE DEBT LIMIT—Continued

LOANS	Due	How Payable	Amount	Total Outstanding
Sewerage Loan	June 1, 1928	Taxes	\$1,000.00	.....
" "	Sep. 1, 1928	"	500.00	.....
" "	Nov. 1, 1928	"	500.00	.....
" "	Dec. 1, 1928	"	500.00	.....
" "	Feb. 1, 1929	"	500.00	.....
" "	June 1, 1929	"	500.00	.....
" "	Sep. 1, 1929	"	500.00	.....
" "	Nov. 1, 1929	"	500.00	.....
" "	Dec. 1, 1929	"	500.00	.....
" "	Feb. 1, 1930	"	500.00	.....
" "	June 1, 1930	"	500.00	.....
" "	Sep. 1, 1930	"	500.00	.....
" "	Nov. 1, 1930	"	500.00	.....
" "	Dec. 1, 1930	"	500.00	.....
" "	Feb. 1, 1931	"	500.00	.....
" "	June 1, 1931	"	500.00	.....
" "	Sep. 1, 1931	"	500.00	.....
" "	Nov. 1, 1931	"	500.00	.....
" "	Dec. 1, 1931	"	500.00	.....
" "	Feb. 1, 1932	"	500.00	.....
" "	June 1, 1932	"	500.00	.....
" "	Sep. 1, 1932	"	500.00	.....
" "	Nov. 1, 1932	"	500.00	.....
" "	Dec. 1, 1932	"	500.00	.....
" "	Feb. 1, 1933	"	500.00	.....
" "	June 1, 1933	"	500.00	.....
" "	Nov. 1, 1933	"	500.00	.....
" "	Dec. 1, 1933	"	500.00	.....
" "	June 1, 1934	"	500.00	.....
" "	Nov. 1, 1934	"	500.00	.....
" "	Dec. 1, 1934	"	500.00	.....
" "	June 1, 1935	"	500.00	.....
" "	Nov. 1, 1935	"	500.00	.....
" "	Dec. 1, 1935	"	500.00	.....
" "	June 1, 1936	"	500.00	.....
" "	Nov. 1, 1936	"	500.00	.....
" "	Dec. 1, 1936	"	500.00	.....
" "	June 1, 1937	"	500.00	.....
" "	Nov. 1, 1937	"	500.00	.....
" "	Dec. 1, 1937	"	500.00	.....
" "	June 1, 1938	"	500.00	.....
" "	Nov. 1, 1938	"	500.00	.....
" "	Dec. 1, 1938	"	500.00	.....
" "	May 1, 1939	S. F.	5,000.00	.....
" "	June 1, 1939	Taxes	500.00	.....
" "	Sep. 1, 1939	S. F.	5,000.00	.....

BONDS OUTSIDE DEBT LIMIT—Continued

LOANS	Due	How Pay- able	Amount	Total Outstanding
Sewerage Loan	Nov. 1, 1939	Taxes	\$500.00	.....
" "	Dec. 1, 1939	"	500.00	.....
" "	June 1, 1940	"	500.00	.....
" "	Sep. 1, 1940	S. F.	15,000.00	.....
" "	Nov. 1, 1940	Taxes	500.00	.....
" "	Dec. 1, 1940	"	500.00	.....
" "	June 1, 1941	"	500.00	.....
" "	Sep. 1, 1941	S. F.	5,000.00	.....
" "	Nov. 1, 1941	Taxes	500.00	.....
" "	Dec. 1, 1941	"	500.00	.....
" "	June 1, 1942	"	500.00	.....
" "	Nov. 1, 1942	"	500.00	.....
" "	Dec. 1, 1942	"	500.00	.....
" "	June 1, 1943	"	500.00	.....
" "	Nov. 1, 1943	"	500.00	.....
" "	Dec. 1, 1943	"	500.00	.....
" "	June 1, 1944	"	500.00	.....
" "	Dec. 1, 1944	"	500.00	.....
" "	June 1, 1945	"	500.00	.....
" "	June 1, 1946	"	500.00	\$216,000.00
Sewerage Loan (1920)....	June 1, 1922	Taxes	1,000.00	.....
" " "	June 1, 1923	"	1,000.00	.....
" " "	June 1, 1924	"	1,000.00	.....
" " "	June 1, 1925	"	1,000.00	.....
" " "	June 1, 1926	"	1,000.00	.....
" " "	June 1, 1927	"	1,000.00	.....
" " "	June 1, 1928	"	1,000.00	.....
" " "	June 1, 1929	"	1,000.00	.....
" " "	June 1, 1930	"	1,000.00	.....
" " "	June 1, 1931	"	1,000.00	.....
" " "	June 1, 1932	"	1,000.00	.....
" " "	June 1, 1933	"	1,000.00	.....
" " "	June 1, 1934	"	1,000.00	.....
" " "	June 1, 1935	"	1,000.00	\$14,000.00
Sewerage Loan (1921)....	July 1, 1922	Taxes	1,000.00	.....
" " "	July 1, 1923	"	1,000.00	.....
" " "	July 1, 1924	"	1,000.00	.....
" " "	July 1, 1925	"	1,000.00	.....
" " "	July 1, 1926	"	1,000.00	.....
" " "	July 1, 1927	"	1,000.00	.....
" " "	July 1, 1928	"	1,000.00	.....
" " "	July 1, 1929	"	1,000.00	.....
" " "	July 1, 1930	"	1,000.00	.....
" " "	July 1, 1931	"	1,000.00	\$10,000.00

BONDS OUTSIDE DEBT LIMIT—Continued

LOANS	Due	How Payable	Amount	Total Outstanding
Harbor Loan	Oct. 1, 1922	Taxes	\$2,000.00	.....
“ “	Oct. 1, 1923	“	2,000.00	.....
“ “	Oct. 1, 1924	“	2,000.00	.....
“ “	Oct. 1, 1925	“	2,000.00	\$8,000.00
City Hall	Jan. 3, 1922	Taxes	10,000.00	.....
“ “	Jan. 3, 1923	“	10,000.00	.....
“ “	Jan. 3, 1924	“	10,000.00	.....
“ “	Jan. 3, 1925	“	10,000.00	.....
“ “	Jan. 3, 1926	“	10,000.00	.....
“ “	Jan. 3, 1927	“	10,000.00	.....
“ “	Jan. 3, 1928	“	10,000.00	.....
“ “	Jan. 3, 1929	“	10,000.00	.....
“ “	Jan. 3, 1930	“	10,000.00	.....
“ “	Jan. 3, 1931	“	10,000.00	.....
“ “	Jan. 3, 1932	“	10,000.00	.....
“ “	Jan. 3, 1933	“	10,000.00	.....
“ “	Jan. 3, 1934	“	10,000.00	.....
“ “	Jan. 3, 1935	“	10,000.00	.....
“ “	Jan. 3, 1936	“	10,000.00	\$150,000.00
Park Loan	Feb. 1, 1930	S. F.	\$12,000.00	.....
“ “	July 1, 1932	“ “	20,000.00	\$32,000.00
Metropolitan Park Assessment Loan.....	Nov. 1, 1932	S. F.	.....	27,000.00
Playground Loan	Aug. 1, 1922	Taxes	1,500.00	.....
“ “	Aug. 1, 1923	“	1,500.00	.....
“ “	Aug. 1, 1924	“	1,500.00	.....
“ “	Aug. 1, 1925	“	1,500.00	.....
“ “	Aug. 1, 1926	“	1,500.00	.....
“ “	Aug. 1, 1927	“	1,500.00	.....
“ “	Aug. 1, 1928	“	1,500.00	.....
“ “	Aug. 1, 1929	“	1,500.00	.....
“ “	Aug. 1, 1930	“	1,500.00	.....
“ “	Aug. 1, 1931	“	1,500.00	.....
“ “	May 1, 1932	S. F.	9,000.00	.....
“ “	Aug. 1, 1932	Taxes	1,500.00	.....
“ “	Aug. 1, 1933	“	1,000.00	.....
“ “	Aug. 1, 1934	“	1,000.00	.....
“ “	Aug. 1, 1935	“	1,000.00	.....
“ “	Aug. 1, 1936	“	1,000.00	.....
“ “	Aug. 1, 1937	“	1,000.00	.....
“ “	Aug. 1, 1938	“	1,000.00	.....
“ “	Aug. 1, 1939	“	1,000.00	.....

BONDS OUTSIDE DEBT LIMIT—Continued

LOANS	Due	How Payable	Amount	Total Outstanding
Playground Loan	Aug. 1, 1940	Taxes	\$1,000.00	.....
“ “	Aug. 1, 1941	“	1,000.00	.....
“ “	Aug. 1, 1942	“	1,000.00	\$35,500.00
School Loan (1912)	Jan. 1, 1922	Taxes	5,000.00	.....
“ “ “	July 1, 1922	“	5,000.00	.....
“ “ “	Jan. 1, 1923	“	5,000.00	.....
“ “ “	July 1, 1923	“	5,000.00	.....
“ “ “	Jan. 1, 1924	“	5,000.00	.....
“ “ “	July 1, 1924	“	5,000.00	.....
“ “ “	Jan. 1, 1925	“	5,000.00	.....
“ “ “	July 1, 1925	“	5,000.00	.....
“ “ “	Jan. 1, 1926	“	5,000.00	.....
“ “ “	July 1, 1926	“	5,000.00	.....
“ “ “	Jan. 1, 1927	“	5,000.00	.....
“ “ “	July 1, 1927	“	5,000.00	.....
“ “ “	Jan. 1, 1928	“	5,000.00	.....
“ “ “	July 1, 1928	“	5,000.00	.....
“ “ “	Jan. 1, 1929	“	5,000.00	.....
“ “ “	July 1, 1929	“	5,000.00	.....
“ “ “	Jan. 1, 1930	“	5,000.00	.....
“ “ “	July 1, 1930	“	5,000.00	.....
“ “ “	Jan. 1, 1931	“	5,000.00	.....
“ “ “	July 1, 1931	“	5,000.00	.....
“ “ “	Jan. 1, 1932	“	5,000.00	.....
“ “ “	July 1, 1932	“	5,000.00	.....
“ “ “	Jan. 1, 1933	“	5,000.00	\$115,000.00
Junior High School	July 5, 1922	“	6,250.00	.....
“ “ “	July 5, 1923	“	6,250.00	.....
“ “ “	July 5, 1924	“	6,250.00	.....
“ “ “	July 5, 1925	“	6,250.00	.....
“ “ “	July 5, 1926	“	6,250.00	.....
“ “ “	July 5, 1927	“	6,250.00	.....
“ “ “	July 5, 1928	“	6,250.00	.....
“ “ “	July 5, 1929	“	6,250.00	.....
“ “ “	July 5, 1930	“	6,250.00	.....
“ “ “	July 5, 1931	“	6,250.00	.....
“ “ “	July 5, 1932	“	6,250.00	.....
“ “ “	July 5, 1933	“	6,250.00	.....
“ “ “	July 5, 1934	“	6,250.00	.....
“ “ “	July 5, 1935	“	6,250.00	.....
“ “ “	July 5, 1936	“	6,250.00	\$93,750.00
School Loan (1919)	July 1, 1922	Taxes	3,000.00	.....
“ “ “	July 1, 1923	“	3,000.00	.....

BONDS OUTSIDE DEBT LIMIT—Continued

LOANS	Due	How Pay-able	Amount	Total Outstanding
School Loan (1919)	July 1, 1924	Taxes	\$3,000.00	.....
" " "	July 1, 1925	"	3,000.00	.....
" " "	July 1, 1926	"	3,000.00	.....
" " "	July 1, 1927	"	3,000.00	.....
" " "	July 1, 1928	"	3,000.00	.....
" " "	July 1, 1929	"	3,000.00	.....
" " "	July 1, 1930	"	2,000.00	.....
" " "	July 1, 1931	"	2,000.00	.....
" " "	July 1, 1932	"	2,000.00	.....
" " "	July 1, 1933	"	2,000.00	.....
" " "	July 1, 1934	"	2,000.00	.....
" " "	July 1, 1935	"	2,000.00	.....
" " "	July 1, 1936	"	2,000.00	.....
" " "	July 1, 1937	"	2,000.00	.....
" " "	July 1, 1938	"	2,000.00	.....
" " "	July 1, 1939	"	2,000.00	\$44,000.00
Street Loan (1919)	June 1, 1922	Taxes	6,000.00	.....
" " "	July 1, 1922	"	7,000.00	.....
" " "	June 1, 1923	"	6,000.00	.....
" " "	July 1, 1923	"	7,000.00	.....
" " "	June 1, 1924	"	6,000.00	.....
" " "	July 1, 1924	"	7,000.00	.....
" " "	June 1, 1925	"	5,000.00	.....
" " "	July 1, 1925	"	7,000.00	.....
" " "	June 1, 1926	"	5,000.00	.....
" " "	July 1, 1926	"	7,000.00	.....
" " "	July 1, 1927	"	7,000.00	.....
" " "	July 1, 1928	"	7,000.00	.....
" " "	July 1, 1929	"	2,000.00	\$79,000.00
Total bonds outstanding	Outside Debt Limit.....			\$885,250.00

BONDS WITHIN DEBT LIMIT

LOANS	Due	How Payable	Amount	Total Outstanding
Playground Loan (1914)...	May 15, 1922	Taxes	\$2,000.00	.....
“ “ “ “ ..	May 15, 1923	“	2,000.00	.....
“ “ “ “ ..	May 15, 1924	“	2,000.00	\$6,000.00
School of 1912	July 1, 1922	Taxes	1,000.00	.....
“ “ “ “ ..	July 1, 1923	“	1,000.00	.....
“ “ “ “ ..	July 1, 1924	“	1,000.00	.....
“ “ “ “ ..	July 1, 1925	“	1,000.00	.....
“ “ “ “ ..	July 1, 1926	“	1,000.00	.....
“ “ “ “ ..	July 1, 1927	“	1,000.00	.....
“ “ “ “ ..	July 1, 1928	“	1,000.00	.....
“ “ “ “ ..	July 1, 1929	“	1,000.00	.....
“ “ “ “ ..	July 1, 1930	“	1,000.00	.....
“ “ “ “ ..	July 1, 1931	“	1,000.00	.....
“ “ “ “ ..	July 1, 1932	“	1,000.00	\$11,000.00
Junior High School (1916) ..	Oct. 2, 1922	Taxes	3,300.00	.....
“ “ “ “ “ ..	Oct. 2, 1923	“	3,300.00	.....
“ “ “ “ “ ..	Oct. 2, 1924	“	3,300.00	.....
“ “ “ “ “ ..	Oct. 2, 1925	“	3,300.00	.....
“ “ “ “ “ ..	Oct. 2, 1926	“	3,300.00	.....
“ “ “ “ “ ..	Oct. 2, 1927	“	3,300.00	.....
“ “ “ “ “ ..	Oct. 2, 1928	“	3,300.00	.....
“ “ “ “ “ ..	Oct. 2, 1929	“	3,300.00	.....
“ “ “ “ “ ..	Oct. 2, 1930	“	3,300.00	.....
“ “ “ “ “ ..	Oct. 2, 1931	“	3,300.00	.....
“ “ “ “ “ ..	Oct. 2, 1932	“	3,300.00	.....
“ “ “ “ “ ..	Oct. 2, 1933	“	3,300.00	.....
“ “ “ “ “ ..	Oct. 2, 1934	“	3,300.00	.....
“ “ “ “ “ ..	Oct. 2, 1935	“	3,300.00	.....
“ “ “ “ “ ..	Oct. 2, 1936	“	2,300.00	\$48,500.00
Junior High School additional (1918)	Oct. 1, 1922	Taxes	2,000.00	.....
“ “ “ “ “ ..	Oct. 1, 1923	“	2,000.00	.....
“ “ “ “ “ ..	Oct. 1, 1924	“	2,000.00	.....
“ “ “ “ “ ..	Oct. 1, 1925	“	2,000.00	.....
“ “ “ “ “ ..	Oct. 1, 1926	“	2,000.00	.....
“ “ “ “ “ ..	Oct. 1, 1927	“	2,000.00	.....
“ “ “ “ “ ..	Oct. 1, 1928	“	2,000.00	.....
“ “ “ “ “ ..	Oct. 1, 1929	“	2,000.00	.....
“ “ “ “ “ ..	Oct. 1, 1930	“	2,000.00	.....
“ “ “ “ “ ..	Oct. 1, 1931	“	2,000.00	.....
“ “ “ “ “ ..	Oct. 1, 1932	“	2,000.00	.....
“ “ “ “ “ ..	Oct. 1, 1933	“	2,000.00	.....
“ “ “ “ “ ..	Oct. 1, 1934	“	2,000.00	.....
“ “ “ “ “ ..	Oct. 1, 1935	“	2,000.00	.....

BONDS WITHIN DEBT LIMIT—Continued

LOANS	Due	How Pay-able	Amount	Total Outstanding
Junior High School additional (1918)	Oct. 1, 1936	Taxes	\$2,000.00	.....
“ “ “ “	Oct. 1, 1937	“	2,000.00	.....
“ “ “ “	Oct. 1, 1938	“	2,000.00	\$34,000.00
Junior High School (1919) ..	Apr. 1, 1922	Taxes	1,000.00	.....
“ “ “ “ ..	Apr. 1, 1923	“	1,000.00	.....
“ “ “ “ ..	Apr. 1, 1924	“	1,000.00	.....
“ “ “ “ ..	Apr. 1, 1925	“	1,000.00	.....
“ “ “ “ ..	Apr. 1, 1926	“	1,000.00	.....
“ “ “ “ ..	Apr. 1, 1927	“	1,000.00	.....
“ “ “ “ ..	Apr. 1, 1928	“	400.00	\$6,400.00
Original Equipment 1918				
Junior High School	June 1, 1922	Taxes	1,000.00	.....
“ “ “ “	June 1, 1923	“	1,000.00	.....
“ “ “ “	June 1, 1924	“	1,000.00	.....
“ “ “ “	June 1, 1925	“	1,000.00	.....
“ “ “ “	June 1, 1926	“	1,000.00	.....
“ “ “ “	June 1, 1927	“	1,000.00	.....
“ “ “ “	June 1, 1928	“	1,000.00	.....
“ “ “ “	June 1, 1929	“	1,000.00	.....
“ “ “ “	June 1, 1930	“	1,000.00	.....
“ “ “ “	June 1, 1931	“	1,000.00	.....
“ “ “ “	June 1, 1932	“	1,000.00	.....
“ “ “ “	June 1, 1933	“	1,000.00	\$12,000.00
School Loan (1911)	Sep. 1, 1922	Taxes	4,000.00	.....
“ “ “ “	Sep. 1, 1923	“	4,000.00	.....
“ “ “ “	Sep. 1, 1924	“	4,000.00	.....
“ “ “ “	Sep. 1, 1925	“	4,000.00	.....
“ “ “ “	Sep. 1, 1926	“	4,000.00	.....
“ “ “ “	Sep. 1, 1927	“	4,000.00	.....
“ “ “ “	Sep. 1, 1928	“	4,000.00	.....
“ “ “ “	Sep. 1, 1929	“	4,000.00	.....
“ “ “ “	Sep. 1, 1930	“	3,000.00	.....
“ “ “ “	Sep. 1, 1931	“	3,000.00	\$38,000.00
School Loan (1919)				
Portable	Aug. 1, 1922	Taxes	1,000.00	.....
“ “ “ “	Aug. 1, 1923	“	1,000.00	.....
“ “ “ “	Aug. 1, 1924	“	1,000.00	.....
“ “ “ “	Aug. 1, 1925	“	1,000.00	.....
“ “ “ “	Aug. 1, 1926	“	1,000.00	.....
“ “ “ “	Aug. 1, 1927	“	1,000.00	.....
“ “ “ “	Aug. 1, 1928	“	1,000.00	\$7,000.00

BONDS WITHIN DEBT LIMIT—Continued

LOANS	Due	How Pay-able	Amount	Total Outstanding
High Schoolhouse Addition (1912)	Jan. 1, 1922	Taxes	\$1,250.00	.....
“ “ “	Sep. 1, 1922	“	1,000.00	.....
“ “ “	Jan. 1, 1923	“	1,250.00	.....
“ “ “	Sep. 1, 1923	“	1,000.00	.....
“ “ “	Jan. 1, 1924	“	1,250.00	.....
“ “ “	Sep. 1, 1924	“	1,000.00	.....
“ “ “	Jan. 1, 1925	“	1,250.00	.....
“ “ “	Sep. 1, 1925	“	1,000.00	.....
“ “ “	Jan. 1, 1926	“	1,250.00	.....
“ “ “	Sep. 1, 1926	“	1,000.00	.....
“ “ “	Jan. 1, 1927	“	1,250.00	.....
“ “ “	Sep. 1, 1927	“	1,000.00	.....
“ “ “	Jan. 1, 1928	“	1,250.00	.....
“ “ “	Sep. 1, 1928	“	500.00	.....
“ “ “	Jan. 1, 1929	“	1,250.00	.....
“ “ “	Jan. 1, 1930	“	1,250.00	.....
“ “ “	Jan. 1, 1931	“	1,250.00	.....
“ “ “	Jan. 1, 1932	“	1,250.00	.....
“ “ “	Jan. 1, 1933	“	1,250.00	.....
“ “ “	Jan. 1, 1934	“	1,250.00	\$22,750.00
High School Original Equipment	July 1, 1922	Taxes	1,500.00	.....
“ “ “	July 1, 1923	“	1,500.00	.....
“ “ “	July 1, 1924	“	1,500.00	.....
“ “ “	July 1, 1925	“	1,500.00	.....
“ “ “	July 1, 1926	“	1,500.00	\$7,500.00
Hancock Avenue Schoolhouse	June 1, 1922	“	3,000.00	.....
“ “ “	July 1, 1922	“	250.00	.....
“ “ “	Sep. 1, 1922	“	250.00	.....
“ “ “	June 1, 1923	“	3,000.00	.....
“ “ “	July 1, 1923	“	250.00	.....
“ “ “	Sep. 1, 1923	“	250.00	.....
“ “ “	June 1, 1924	“	3,000.00	.....
“ “ “	July 1, 1924	“	250.00	.....
“ “ “	Sep. 1, 1924	“	250.00	.....
“ “ “	June 1, 1925	“	3,000.00	.....
“ “ “	July 1, 1925	“	250.00	.....
“ “ “	Sep. 1, 1925	“	250.00	.....
“ “ “	June 1, 1926	“	1,600.00	.....
“ “ “	July 1, 1926	“	250.00	.....
“ “ “	June 1, 1927	“	1,600.00	.....
“ “ “	July 1, 1927	“	250.00	.....

BONDS WITHIN DEBT LIMIT—Continued

LOANS			Due	How Pay- able	Amount	Total Outstanding
Hancock	Avenue	School-	June 1, 1928	Taxes	\$1,600.00	.....
house	"	"	July 1, 1928	"	250.00	.....
"	"	"	June 1, 1929	"	1,600.00	.....
"	"	"	July 1, 1929	"	250.00	.....
"	"	"	June 1, 1930	"	1,600.00	.....
"	"	"	July 1, 1930	"	250.00	.....
"	"	"	June 1, 1931	"	1,600.00	.....
"	"	"	July 1, 1931	"	250.00	.....
"	"	"	June 1, 1932	"	1,600.00	.....
"	"	"	July 1, 1932	"	250.00	.....
"	"	"	June 1, 1933	"	1,600.00	.....
"	"	"	July 1, 1933	"	250.00	.....
"	"	"	June 1, 1934	"	1,600.00	.....
"	"	"	July 1, 1934	"	250.00	.....
"	"	"	June 1, 1935	"	1,600.00	.....
"	"	"	July 1, 1935	"	250.00	.....
"	"	"	July 1, 1936	"	250.00	\$32,750.00
Osgood	Schoolhouse	.....	Mar. 15, 1922	Taxes	1,500.00	.....
"	"	.....	Mar. 15, 1923	"	1,500.00	.....
"	"	.....	Mar. 15, 1924	"	1,500.00	.....
"	"	.....	Mar. 15, 1925	"	1,500.00	.....
"	"	.....	Mar. 15, 1926	"	1,500.00	.....
"	"	.....	Mar. 15, 1927	"	1,000.00	.....
"	"	.....	Mar. 15, 1928	"	1,000.00	.....
"	"	.....	Mar. 15, 1929	"	1,000.00	.....
"	"	.....	Mar. 15, 1930	"	1,000.00	.....
"	"	.....	Mar. 15, 1931	"	1,000.00	.....
"	"	.....	Mar. 15, 1932	"	1,000.00	.....
"	"	.....	Mar. 15, 1933	"	1,000.00	.....
"	"	.....	Mar. 15, 1934	"	1,000.00	.....
"	"	.....	Mar. 15, 1935	"	1,000.00	.....
"	"	.....	Mar. 15, 1936	"	1,000.00	\$17,500.00
Osgood	Schoolhouse (1917)	.....	June 1, 1922	Taxes	500.00	.....
"	"	.....	June 1, 1923	"	500.00	.....
"	"	.....	June 1, 1924	"	500.00	.....
"	"	.....	June 1, 1925	"	500.00	.....
"	"	.....	June 1, 1926	"	500.00	.....
"	"	.....	June 1, 1927	"	500.00	.....
"	"	.....	June 1, 1928	"	500.00	.....
"	"	.....	June 1, 1929	"	500.00	\$4,000.00
Lincoln	Schoolhouse	.....	May 1, 1922	S. F.	.....	\$45,000.00

BONDS WITHIN DEBT LIMIT—Continued

LOANS	Due	How Payable	Amount	Total Outstanding
Schoolhouse Improvement Loan	May 1, 1927	S. F.	.....	\$14,000.00
Schoolhouse Loan (1908)	Aug. 1, 1928	S. F.	.....	\$95,000.00
School Loan (1919)				
Portable	Nov. 1, 1922	Taxes	\$1,000.00	.....
" " "	Nov. 1, 1923	"	1,000.00	.....
" " "	Nov. 1, 1924	"	1,000.00	.....
" " "	Nov. 1, 1925	"	1,000.00	\$4,000.00
Fulton Heights Schoolhouse (1920)	June 1, 1922	Taxes	2,000.00	.....
" " "	June 1, 1923	"	2,000.00	.....
" " "	June 1, 1924	"	2,000.00	.....
" " "	June 1, 1925	"	2,000.00	.....
" " "	June 1, 1926	"	1,000.00	.....
" " "	June 1, 1927	"	1,000.00	.....
" " "	June 1, 1928	"	1,000.00	.....
" " "	June 1, 1929	"	1,000.00	.....
" " "	June 1, 1930	"	1,000.00	.....
" " "	June 1, 1931	"	1,000.00	.....
" " "	June 1, 1932	"	1,000.00	.....
" " "	June 1, 1933	"	1,000.00	.....
" " "	June 1, 1934	"	1,000.00	.....
" " "	June 1, 1935	"	1,000.00	.....
" " "	June 1, 1936	"	1,000.00	.....
" " "	June 1, 1937	"	1,000.00	.....
" " "	June 1, 1938	"	1,000.00	.....
" " "	June 1, 1939	"	1,000.00	.....
" " "	June 1, 1940	"	1,000.00	\$23,000.00
School Loan (1920)				
Portable	Oct. 1, 1922	Taxes	1,000.00	.....
" " "	Oct. 1, 1923	"	1,000.00	.....
" " "	Oct. 1, 1924	"	1,000.00	.....
" " "	Oct. 1, 1925	"	1,000.00	.....
" " "	Oct. 1, 1926	"	1,000.00	.....
" " "	Oct. 1, 1927	"	1,000.00	.....
" " "	Oct. 1, 1928	"	1,000.00	.....
" " "	Oct. 1, 1929	"	1,000.00	.....
" " "	Oct. 1, 1930	"	1,000.00	.....
" " "	Oct. 1, 1931	"	1,000.00	.....
" " "	Oct. 1, 1932	"	1,000.00	.....
" " "	Oct. 1, 1933	"	1,000.00	.....
" " "	Oct. 1, 1934	"	1,000.00	\$13,000.00

BONDS WITHIN DEBT LIMIT—Continued

LOANS	Due	How Payable	Amount	Total Outstanding
Fulton Heights School-house Additional (1920)	Dec. 1, 1922	Taxes	\$2,000.00	.....
" " "	Dec. 1, 1923	"	2,000.00	.....
" " "	Dec. 1, 1924	"	2,000.00	.....
" " "	Dec. 1, 1925	"	2,000.00	.....
" " "	Dec. 1, 1926	"	2,000.00	.....
" " "	Dec. 1, 1927	"	2,000.00	.....
" " "	Dec. 1, 1928	"	2,000.00	.....
" " "	Dec. 1, 1929	"	2,000.00	.....
" " "	Dec. 1, 1930	"	2,000.00	.....
" " "	Dec. 1, 1931	"	1,000.00	.....
" " "	Dec. 1, 1932	"	1,000.00	.....
" " "	Dec. 1, 1933	"	1,000.00	.....
" " "	Dec. 1, 1934	"	1,000.00	.....
" " "	Dec. 1, 1935	"	1,000.00	\$23,000.00
Fulton Heights School-house Additional (1921)	July 1, 1922	Taxes	2,000.00	.....
" " "	Aug. 1, 1922	"	2,000.00	.....
" " "	July 1, 1923	"	2,000.00	.....
" " "	Aug. 1, 1923	"	2,000.00	.....
" " "	July 1, 1924	"	2,000.00	.....
" " "	Aug. 1, 1924	"	2,000.00	.....
" " "	July 1, 1925	"	2,000.00	.....
" " "	Aug. 1, 1925	"	2,000.00	.....
" " "	July 1, 1926	"	2,000.00	.....
" " "	Aug. 1, 1926	"	2,000.00	.....
" " "	July 1, 1927	"	2,000.00	.....
" " "	Aug. 1, 1927	"	1,000.00	.....
" " "	July 1, 1928	"	2,000.00	.....
" " "	Aug. 1, 1928	"	1,000.00	.....
" " "	July 1, 1929	"	2,000.00	.....
" " "	Aug. 1, 1929	"	1,000.00	.....
" " "	July 1, 1930	"	2,000.00	.....
" " "	Aug. 1, 1930	"	1,000.00	.....
" " "	July 1, 1931	"	2,000.00	.....
" " "	Aug. 1, 1931	"	1,000.00	.....
" " "	July 1, 1932	"	1,000.00	.....
" " "	Aug. 1, 1932	"	1,000.00	.....
" " "	July 1, 1933	"	1,000.00	.....
" " "	Aug. 1, 1933	"	1,000.00	.....
" " "	July 1, 1934	"	1,000.00	.....
" " "	Aug. 1, 1934	"	1,000.00	.....
" " "	July 1, 1935	"	1,000.00	.....
" " "	Aug. 1, 1935	"	1,000.00	.....
" " "	July 1, 1936	"	1,000.00	.....
" " "	Aug. 1, 1936	"	1,000.00	.....

BONDS WITHIN DEBT LIMIT—Continued

LOANS	Due	How Payable	Amount	Total Outstanding
Fulton Heights School-house Additional (1921)	Aug. 1, 1937	Taxes	\$1,000.00	.....
“ “ “	Aug. 1, 1938	“	1,000.00	.....
“ “ “	Aug. 1, 1939	“	1,000.00	.....
“ “ “	Aug. 1, 1940	“	1,000.00	.....
“ “ “	Aug. 1, 1941	“	1,000.00	\$50,000.00
Public Park Loan (1920)	Oct. 1, 1922	Taxes	\$1,000.00	.....
“ “ “ “	Oct. 1, 1923	“	1,000.00	.....
“ “ “ “	Oct. 1, 1924	“	1,000.00	.....
“ “ “ “	Oct. 1, 1925	“	1,000.00	.....
“ “ “ “	Oct. 1, 1926	“	1,000.00	.....
“ “ “ “	Oct. 1, 1927	“	1,000.00	.....
“ “ “ “	Oct. 1, 1928	“	1,000.00	.....
“ “ “ “	Oct. 1, 1929	“	1,000.00	.....
“ “ “ “	Oct. 1, 1930	“	1,000.00	.....
“ “ “ “	Oct. 1, 1931	“	1,000.00	.....
“ “ “ “	Oct. 1, 1932	“	1,000.00	.....
“ “ “ “	Oct. 1, 1933	“	1,000.00	.....
“ “ “ “	Oct. 1, 1934	“	1,000.00	.....
“ “ “ “	Oct. 1, 1935	“	1,000.00	.....
“ “ “ “	Oct. 1, 1936	“	1,000.00	.....
“ “ “ “	Oct. 1, 1937	“	1,000.00	.....
“ “ “ “	Oct. 1, 1938	“	1,000.00	.....
“ “ “ “	Oct. 1, 1939	“	1,000.00	.....
“ “ “ “	Oct. 1, 1940	“	1,000.00	\$19,000.00
City Stable Loan	June 1, 1924	S. F.	.....	\$15,000.00
Surface Drainage Loan...	Mar. 1, 1922	Taxes	500.00	.....
“ “ “ ...	July 1, 1922	“	1,500.00	.....
“ “ “ ...	Mar. 1, 1923	“	500.00	.....
“ “ “ ...	July 1, 1923	“	1,000.00	.....
“ “ “ ...	Mar. 1, 1924	“	500.00	.....
“ “ “ ...	July 1, 1924	“	1,000.00	.....
“ “ “ ...	Mar. 1, 1925	“	500.00	.....
“ “ “ ...	July 1, 1925	“	1,000.00	.....
“ “ “ ...	Mar. 1, 1926	“	500.00	.....
“ “ “ ...	July 1, 1926	“	1,000.00	.....
“ “ “ ...	Mar. 1, 1927	“	500.00	.....
“ “ “ ...	July 1, 1927	“	1,000.00	.....
“ “ “ ...	Mar. 1, 1928	“	500.00	.....
“ “ “ ...	Mar. 1, 1929	“	500.00	.....
“ “ “ ...	Mar. 1, 1930	“	500.00	.....
“ “ “ ...	Mar. 1, 1931	“	500.00	.....
“ “ “ ...	Mar. 1, 1932	“	500.00	.....

BONDS WITHIN DEBT LIMIT—Continued

LOANS	Due	How Payable	Amount	Total Outstanding
Surface Drainage Loan...	Mar. 1, 1933	Taxes	\$500.00	.....
“ “ “ ...	Mar. 1, 1934	“	500.00	.....
“ “ “ ...	Mar. 1, 1935	“	500.00	.....
“ “ “ ...	Mar. 1, 1936	“	500.00	.....
“ “ “ ...	Mar. 1, 1937	“	500.00	.....
“ “ “ ...	Mar. 1, 1938	“	500.00	\$15,000.00
Surface Drains (1918)....	Dec. 1, 1922	Taxes	500.00	.....
“ “ “	Dec. 1, 1923	“	500.00	.....
“ “ “	Dec. 1, 1924	“	500.00	.....
“ “ “	Dec. 1, 1925	“	500.00	.....
“ “ “	Dec. 1, 1926	“	500.00	.....
“ “ “	Dec. 1, 1927	“	500.00	.....
“ “ “	Dec. 1, 1928	“	500.00	\$3,500.00
Surface Drains (1919)....	Aug. 1, 1922	Taxes	500.00	.....
“ “ “	Aug. 1, 1923	“	500.00	.....
“ “ “	Aug. 1, 1924	“	500.00	.....
“ “ “	Aug. 1, 1925	“	500.00	\$2,000.00
Drainage 1912	July 1, 1922	Taxes	.....	\$500.00
Drainage Loan (1916)....	Aug 3, 1922	Taxes	500.00	.....
“ “ “	Aug. 3, 1923	“	500.00	.....
“ “ “	Aug. 3, 1924	“	500.00	.....
“ “ “	Aug. 3, 1925	“	500.00	.....
“ “ “	Aug. 3, 1926	“	500.00	.....
“ “ “	Aug. 3, 1927	“	500.00	.....
“ “ “	Aug. 3, 1928	“	500.00	.....
“ “ “	Aug. 3, 1929	“	500.00	.....
“ “ “	Aug. 3, 1930	“	500.00	.....
“ “ “	Aug. 3, 1931	“	500.00	.....
“ “ “	Aug. 3, 1932	“	500.00	.....
“ “ “	Aug. 3, 1933	“	500.00	.....
“ “ “	Aug. 3, 1934	“	500.00	.....
“ “ “	Aug. 3, 1935	“	500.00	.....
“ “ “	Aug 3, 1936	“	500.00	\$7,500.00
Sewer Loan (1918) (for sanitary and surface drainage purposes)	June 1, 1922	Taxes	500.00	.....
“ “ “	June 1, 1923	“	500.00	.....
“ “ “	June 1, 1924	“	500.00	.....
“ “ “	June 1, 1925	“	500.00	.....
“ “ “	June 1, 1926	“	500.00	.....
“ “ “	June 1, 1927	“	500.00	.....
“ “ “	June 1, 1928	“	500.00	.....

BONDS WITHIN DEBT LIMIT—Continued

LOANS	Due	How Payable	Amount	Total Outstanding
Sewer Loan (1918) (for sanitary and surface drainage purposes) ...	June 1, 1920	Taxes	\$500.00	.....
" " "	June 1, 1930	"	500.00	.....
" " "	June 1, 1931	"	500.00	.....
" " "	June 1, 1932	"	500.00	.....
" " "	June 1, 1933	"	500.00	.....
" " "	June 1, 1934	"	500.00	.....
" " "	June 1, 1935	"	500.00	.....
" " "	June 1, 1936	"	500.00	\$7,500.00
Streets and Drains (1917)	July 1, 1922	Taxes	4,500.00	\$4,500.00
Sewer Loan (1920).....	Oct. 1, 1922	Taxes	2,000.00	.....
" " "	Oct. 1, 1923	"	2,000.00	.....
" " "	Oct. 1, 1924	"	2,000.00	.....
" " "	Oct. 1, 1925	"	2,000.00	.....
" " "	Oct. 1, 1926	"	2,000.00	.....
" " "	Oct. 1, 1927	"	2,000.00	.....
" " "	Oct. 1, 1928	"	1,000.00	.....
" " "	Oct. 1, 1929	"	1,000.00	.....
" " "	Oct. 1, 1930	"	1,000.00	\$15,000.00
Sewer Loan (1921).....	July 1, 1922	Taxes	4,000.00	.....
" " "	July 1, 1923	"	3,000.00	.....
" " "	July 1, 1924	"	3,000.00	.....
" " "	July 1, 1925	"	3,000.00	.....
" " "	July 1, 1926	"	3,000.00	.....
" " "	July 1, 1927	"	2,000.00	.....
" " "	July 1, 1928	"	2,000.00	.....
" " "	July 1, 1929	"	2,000.00	.....
" " "	July 1, 1930	"	2,000.00	.....
" " "	July 1, 1931	"	2,000.00	\$26,000.00
Surface Drains (1920) ...	Oct. 1, 1922	Taxes	1,000.00	.....
" " " ...	Oct. 1, 1923	"	1,000.00	.....
" " " ...	Oct. 1, 1924	"	1,000.00	\$3,000.00
Surface Drains (1919) ...	July 1, 1922	Taxes	1,000.00	.....
" " " ...	July 1, 1923	"	1,000.00	.....
" " " ...	July 1, 1924	"	500.00	\$2,500.00
Capen Street Drain.....	Nov. 1, 1922	Taxes	1,000.00	.....
" " "	Nov. 1, 1923	"	1,000.00	\$2,000.00

BONDS WITHIN DEBT LIMIT—Continued

LOANS	Due	How Payable	Amount	Total Outstanding
College Avenue Drain ...	June 1, 1922	Taxes	\$1,000.00	.....
“ “ “ ...	June 1, 1923	“	1,000.00	.....
“ “ “ ...	June 1, 1924	“	500.00	\$2,500.00
Original Construction of Streets	July 1, 1922	Taxes	1,700.00	.....
“ “ “	July 1, 1923	“	1,700.00	.....
“ “ “	July 1, 1924	“	1,700.00	\$5,100.00
Original Street Construction (1917)	Aug. 1, 1922	Taxes	\$1,000.00	.....
“ “ “	Aug. 1, 1923	“	1,000.00	.....
“ “ “	Aug. 1, 1924	“	1,000.00	.....
“ “ “	Aug. 1, 1925	“	1,000.00	.....
“ “ “	Aug. 1, 1926	“	1,000.00	\$5,000.00
Original Street Construction (1918)	Apr. 1, 1922	Taxes	3,500.00	.....
“ “ “	Apr. 1, 1923	“	3,500.00	.....
“ “ “	Apr. 1, 1924	“	3,500.00	.....
“ “ “	Apr. 1, 1925	“	3,500.00	.....
“ “ “	Apr. 1, 1926	“	3,500.00	.....
“ “ “	Apr. 1, 1927	“	3,500.00	.....
“ “ “	Apr. 1, 1928	“	3,500.00	\$24,500.00
Original Street Construction (1919)	Apr. 1, 1922	Taxes	4,000.00	.....
“ “ “	Apr. 1, 1923	“	4,000.00	.....
“ “ “	Apr. 1, 1924	“	4,000.00	.....
“ “ “	Apr. 1, 1925	“	4,000.00	.....
“ “ “	Apr. 1, 1926	“	4,000.00	.....
“ “ “	Apr. 1, 1927	“	4,000.00	.....
“ “ “	Apr. 1, 1928	“	4,000.00	.....
“ “ “	Apr. 1, 1929	“	2,000.00	\$30,000.00
Street Construction	Sep. 1, 1922	Taxes	1,000.00	.....
“ “ “	Sep. 1, 1923	“	1,000.00	.....
“ “ “	Sep. 1, 1924	“	1,000.00	.....
“ “ “	Sep. 1, 1925	“	1,000.00	.....
“ “ “	Sep. 1, 1926	“	600.00	\$4,600.00
Street Loan (1916)	Mar. 1, 1922	Taxes	2,900.00	.....
“ “ “	Mar. 1, 1923	“	2,900.00	.....
“ “ “	Mar. 1, 1924	“	2,900.00	.....
“ “ “	Mar. 1, 1925	“	2,900.00	.....
“ “ “	Mar. 1, 1926	“	2,900.00	\$14,500.00

BONDS WITHIN DEBT LIMIT—Continued

LOANS	Due	How Payable	Amount	Total Outstanding
Original Construction Maverick St. and Tyler Ave.	June 1, 1922	Taxes	\$1,000.00	.....
“ “ “	June 1, 1923	“	1,000.00	.....
“ “ “	June 1, 1924	“	1,000.00	.....
“ “ “	June 1, 1925	“	1,000.00	.....
“ “ “	June 1, 1926	“	1,000.00	.....
“ “ “	June 1, 1927	“	1,000.00	.....
“ “ “	June 1, 1928	“	1,000.00	.....
“ “ “	June 1, 1929	“	1,000.00	.....
“ “ “	June 1, 1930	“	1,000.00	\$9,000.00
Original Construction Ship Ave.	July 1, 1922	Taxes	1,000.00	.....
“ “ “	July 1, 1923	“	1,000.00	\$2,000.00
Original Street Construction (1920)	Oct. 1, 1922	Taxes	2,000.00	.....
“ “ “	Oct. 1, 1923	“	2,000.00	.....
“ “ “	Oct. 1, 1924	“	1,000.00	.....
“ “ “	Oct. 1, 1925	“	1,000.00	.....
“ “ “	Oct. 1, 1926	“	1,000.00	.....
“ “ “	Oct. 1, 1927	“	1,000.00	.....
“ “ “	Oct. 1, 1928	“	1,000.00	.....
“ “ “	Oct. 1, 1929	“	1,000.00	.....
“ “ “	Oct. 1, 1930	“	1,000.00	\$11,000.00
Street Loan (1920)	Dec. 1, 1922	Taxes	1,000.00	.....
“ “ “	Dec. 1, 1923	“	1,000.00	.....
“ “ “	Dec. 1, 1924	“	1,000.00	\$3,000.00
Street Construction Loan (1921)	Nov. 1, 1922	Taxes	7,000.00	.....
“ “ “	Nov. 1, 1923	“	7,000.00	.....
“ “ “	Nov. 1, 1924	“	7,000.00	.....
“ “ “	Nov. 1, 1925	“	7,000.00	.....
“ “ “	Nov. 1, 1926	“	7,000.00	.....
“ “ “	Nov. 1, 1927	“	1,000.00	\$36,000.00
Permanent Pavement (1918)	June 1, 1922	Taxes	500.00	\$500.00
Permanent Pavement (1920)	Oct. 1, 1922	Taxes	1,000.00	.....
“ “ “	Oct. 1, 1923	“	1,000.00	\$2,000.00
Sidewalks (1917)	Aug. 1, 1922	Taxes	6,000.00	\$6,000.00

BONDS WITHIN DEBT LIMIT—Continued

LOANS	Due	How Pay-able	Amount	Total Outstanding
Sidewalks (1918)	June 1, 1922	Taxes	\$4,000.00	.....
“ “	June 1, 1923	“	4,000.00	\$8,000.00
Sidewalks (1919)	June 1, 1922	Taxes	8,000.00	.....
“ “	June 1, 1923	“	8,000.00	\$16,000.00
Sidewalks (1919)	Nov. 1, 1922	Taxes	7,000.00	.....
“ “	Nov. 1, 1923	“	7,000.00	.....
“ “	Nov. 1, 1924	“	6,000.00	\$20,000.00
Sidewalks (1921)	Aug. 1, 1922	Taxes	3,000.00	.....
“ “	Aug. 1, 1923	“	3,000.00	.....
“ “	Aug. 1, 1924	“	2,000.00	.....
“ “	Aug. 1, 1925	“	2,000.00	.....
“ “	Aug. 1, 1926	“	2,000.00	\$12,000.00
Sidewalks & Edgestones (1919)	Dec. 1, 1922	Taxes	2,000.00	.....
“ “	Dec. 1, 1923	“	500.00	\$2,500.00
Fire Station Loan	July 1, 1922	Taxes	600.00	.....
“ “ “	July 1, 1923	“	600.00	.....
“ “ “	July 1, 1924	“	600.00	.....
“ “ “	July 1, 1925	“	600.00	.....
“ “ “	July 1, 1926	“	600.00	.....
“ “ “	July 1, 1927	“	600.00	.....
“ “ “	July 1, 1928	“	600.00	.....
“ “ “	July 1, 1929	“	600.00	.....
“ “ “	July 1, 1930	“	600.00	.....
“ “ “	July 1, 1931	“	600.00	.....
“ “ “	July 1, 1932	“	600.00	\$6,600.00
Fire Loan (1917)	Apr. 1, 1922	Taxes	2,000.00	.....
“ “ “	Apr. 1, 1923	“	2,000.00	.....
“ “ “	Apr. 1, 1924	“	2,000.00	.....
“ “ “	Apr. 1, 1925	“	2,000.00	.....
“ “ “	Apr. 1, 1926	“	2,000.00	.....
“ “ “	Apr. 1, 1927	“	2,000.00	.....
“ “ “	Apr. 1, 1928	“	2,000.00	.....
“ “ “	Apr. 1, 1929	“	2,000.00	.....
“ “ “	Apr. 1, 1930	“	2,000.00	.....
“ “ “	Apr. 1, 1931	“	2,000.00	.....
“ “ “	Apr. 1, 1932	“	2,000.00	.....
“ “ “	Apr. 1, 1933	“	2,000.00	.....
“ “ “	Apr. 1, 1934	“	2,000.00	.....
“ “ “	Apr. 1, 1935	“	2,000.00	\$28,000.00

BONDS WITHIN DEBT LIMIT—Continued

LOANS	Due	How Payable	Amount	Total Outstanding
Fire Loan (1918)	Dec. 1, 1922	Taxes	\$500.00	.....
“ “ “	Dec. 1, 1923	“	500.00	.....
“ “ “	Dec. 1, 1924	“	500.00	.....
“ “ “	Dec. 1, 1925	“	500.00	.....
“ “ “	Dec. 1, 1926	“	500.00	.....
“ “ “	Dec. 1, 1927	“	500.00	.....
“ “ “	Dec. 1, 1928	“	500.00	\$3,500.00
Municipal Loan	Dec. 1, 1922	Taxes	5,000.00	.....
“ “	Dec. 1, 1923	“	5,000.00	\$10,000.00
Departmental Equipment (1917)	July 1, 1922	Taxes	1,700.00	\$1,700.00
Additional Departmental Equipment (1920)	Oct. 1, 1922	Taxes	8,000.00	.....
“ “	Oct. 1, 1923	“	8,000.00	.....
“ “	Oct. 1, 1924	“	8,000.00	.....
“ “	Oct. 1, 1925	“	8,000.00	\$30,000.00
War Loan (1917)	June 1, 1922	Taxes	1,500.00	\$1,500.00
War Emergency (1918)...	Apr. 1, 1922	Taxes	1,500.00	.....
“ “ “	Apr. 1, 1923	“	1,500.00	\$3,000.00
War Memorial (1919).....	May 1, 1922	Taxes	1,000.00	.....
“ “ “	May 1, 1923	“	1,000.00	.....
“ “ “	May 1, 1924	“	1,000.00	\$3,000.00
Total bonds outstanding Within Debt Limit.....				\$938,900.00

NOTES

All at 4 per cent per annum.

	Due	How Pay- able	Amount	Total Each Year
No. 8 Original Construction of Streets	May 1, 1922	Taxes	\$600.00	.....
" 123	May 1, 1922	"	500.00	.....
" 8 High School Equipment	June 1, 1922	"	200.00	.....
" 124 and 125	Sep. 1, 1922	S. F.	6,000.00	.....
" 126 to 129	Oct. 1, 1922	" "	13,800.00	.....
No. 8 Wellington Road..	Dec. 1, 1922	Taxes	500.00	21,600.00
No. 9 Original Construction of Streets	May 1, 1923	"	600.00	.....
" 135	May 1, 1923	S. F.	10,000.00	.....
" 9 High School Equipment	June 1, 1923	Taxes	200.00	.....
" 9 Wellington Road..	Dec. 1, 1923	"	500.00	11,300.00
No. 10 Original Construction of Streets	May 1, 1924	"	600.00	.....
" 10 High School Equipment	June 1, 1924	"	200.00	.....
" 10 Wellington Road..	Dec. 1, 1924	"	500.00	1,300.00
No. 35 and 36	Dec. 1, 1926	S. F.	.....	15,000.00
No. 37	Jan. 1, 1927	S. F.	.....	7,000.00
No. 51 to 62	July 1, 1928	S. F.	.....	12,000.00
Total notes outstanding..				\$68,200.00
Outside Debt limit (Nos. 35 & 36)				\$ 15,000.00
Within Debt limit.....				\$ 53,200.00

TOTAL BONDS AND NOTES OUTSIDE AND WITHIN DEBT LIMIT

Bonds Outside Debt Limit.....	\$885,250.00	
Notes Outside Debt Limit.....	15,000.00	
		<u>\$900,250.00</u>
Bonds Within Debt Limit.....	\$938,900.00	
Notes Within Debt Limit.....	53,200.00	
		<u>\$992,100.00</u>
Total		<u>\$1,892,350.00</u>

CONDENSED STATEMENT OF DEBT AND SINKING FUNDS

	Issued Chap.	Acts of		Out- standing	Sinking Funds
Notes 35 and 36 issued for Water Purposes.....			Outside Debt Limit	\$15,000.00	
Water Fund.....	98	1893	" " "	55,000.00	
Water Mains Extension.....	719	1918	" " "	6,000.00	\$74,332.32
Sewerage Loan.....	180	1893	" " "	136,000.00	
	296	1909	" " "	41,500.00	
Public Playground Loan.....	306	1918	" " "	62,500.00	135,649.44
	28	R. L.	" " "	35,500.00	9,000.00
Park Loan.....	176	1898	" " "	12,000.00	
	338	1902	" " "	20,000.00	32,000.00
Metropolitan Park Assessment	419	1899	" " "	27,000.00	17,120.62
School Loan 1912.....	100	1912	" " "	115,000.00	
City Hall 1913.....	486	1913	" " "	150,000.00	
Junior High School 1916...	370	1916	" " "	93,750.00	
Street 1919.....	80	1919	" " "	79,000.00	
School 1919.....	45	1919	" " "	44,000.00	
Harbor	237	1919	" " "	8,000.00	
Playground 1914.....			Within Debt Limit	6,000.00	
School 1912.....			" " "	11,000.00	
Junior High School 1916...			" " "	48,500.00	
Junior High School 1918...			" " "	34,000.00	
Junior High School 1919...			" " "	6,400.00	
Original Equipment Junior High School.....			" " "	12,000.00	
School Loan 1911.....			" " "	38,000.00	
School Loan 1919 (Portable).....			" " "	7,000.00	
High School Addition 1912..			" " "	22,750.00	
High School Original Equipment.....			" " "	7,500.00	
Hancock Ave. Schoolhouse...			" " "	32,750.00	
Osgood Schoolhouse.....			" " "	17,500.00	
Osgood Schoolhouse 1917...			" " "	4,000.00	
Lincoln Schoolhouse.....			" " "	45,000.00	45,000.00
Schoolhouse Improvement Loan.....			" " "	14,000.00	9,565.84
Schoolhouse Loan 1908.....			" " "	95,000.00	60,993.07
School Loan (1919) Portable.....			" " "	4,000.00	
Fulton Heights Schoolhouse (1920).....			" " "	23,000.00	

CONDENSED STATEMENT OF DEBT AND SINKING FUNDS—Continued

	Issued Chap. Acts of		Out- standing	Sinking Funds
School Loan 1920				
Portable		Within Debt Limit	\$13,000.00	.....
Fulton Heights Schoolhouse			23,000.00	.....
Additional 1920.....		" " "		
Fulton Heights Schoolhouse			50,000.00	.....
Additional 1921.....		" " "	19,000.00	.....
Public Park 1920.....		" " "	15,000.00	\$12,983.59
City Stable Loan.....		" " "	3,500.00	.....
Surface Drainage Loan.....		" " "	2,000.00	.....
Surface Drains 1918.....		" " "	500.00	.....
Surface Drains 1919.....		" " "	7,500.00	.....
Drainage 1912.....		" " "		
Drainage Loan 1916.....		" " "	7,500.00	.....
Sewer Loan 1918 for sani- tary and drainage purposes		" " "	4,500.00	.....
Streets and Drains 1917.....		" " "	15,000.00	.....
Sewer Loan 1920.....		" " "	26,000.00	.....
Sewer Loan 1921.....		" " "	3,000.00	.....
Surface Drainage 1920.....		" " "	2,500.00	.....
Surface Drainage 1919.....		" " "	2,000.00	.....
Capen Street Drain.....		" " "	2,500.00	.....
College Avenue Drain.....		" " "		
Original Construction of Streets		" " "	5,100.00	.....
Original Street Construc- tion 1917.....		" " "	5,000.00	.....
Original Street Construc- tion 1918.....		" " "	24,500.00	.....
Original Street Construc- tion 1919.....		" " "	30,000.00	.....
Street Construction.....		" " "	4,600.00	.....
Street Loan 1916.....		" " "	14,500.00	.....
Original Construction Mav- erick St. and Tyler Ave...		" " "	9,000.00	.....
Original Construction Ship Ave.....		" " "	2,000.00	.....
Original Street Construc- tion 1920.....		" " "	11,000.00	.....
Street Loan 1920.....		" " "	3,000.00	.....
Street Construction Loan 1921		" " "	36,000.00	.....
Permanent Pavement 1918.....		" " "	500.00	.....
Permanent Pavement 1920.....		" " "	2,000.00	.....
Sidewalks 1917.....		" " "	8,000.00	.....
Sidewalks 1918.....		" " "	8,000.00	.....
Sidewalks 1919.....		" " "	36,000.00	.....
Sidewalks 1921.....		" " "	12,000.00	.....
Sidewalks and Edgestones 1919		" " "	2,500.00	.....
Fire Station Loan.....		" " "	6,600.00	.....
Fire Loan 1917.....		" " "	28,000.00	.....
Fire Loan 1918.....		" " "	3,500.00	.....
Municipal Loan.....		" " "	10,000.00	.....
Departmental Equipment 1917		" " "	1,700.00	.....
Additional Departmental Equipment 1920.....		" " "	30,000.00	.....
War Loan 1917.....		" " "	1,500.00	.....
War Emergency 1918.....		" " "	3,000.00	.....
War Memorial 1919.....		" " "	3,000.00	.....
All notes except Nos. 35 and 36.....		" " "	53,200.00	44,604.45
			\$1,892,350.00	\$441,249.38

CONDENSED STATEMENT OF DEBT AND SINKING FUNDS—Continued

Debt Outside Debt Limit.....	\$824,250.00	
Sinking Funds Applicable.....	193,770.06	
Net Debt Outside Limit.....		\$630,479.94
Debt Within Limit.....	\$092,100.00	
Sinking Fund Applicable.....	173,146.95	
Net Debt Within Debt Limit.....		\$818,953.05
Public Service Enterprise Debt.....	\$76,000.00	
Sinking Fund Applicable.....	74,882.82	
		\$1,667.68
Total Net Debt.....		\$1,451,100.67

DEBT DUE IN 1922

	Due	Sinking Funds	Taxes
Water Fund.....	Jan.	\$4,000.00	.....
City Hall.....	"		\$10,000.00
School 1912.....	"		5,000.00
High School Addition.....	"		1,250.00
Sewerage.....	Feb.		500.00
Osgood School.....	Mar.		1,500.00
Surface Drains.....	"		500.00
Street Loan 1916.....	"		2,900.00
Junior High School 1919.....	Apr.		1,000.00
Original Street Construction 1918.....	"		3,500.00
Original Street Construction 1919.....	"		4,000.00
Fire Station Loan.....	"		2,000.00
War Emergency.....	"		1,500.00
Playground.....	May		2,000.00
Lincoln School.....	"	45,000.00	.....
War Emergency.....	"		1,000.00
Note No. 8—Original Construction of Streets.....	"		600.00
Note No. 123.....	"		500.00
Sewerage 1920.....	June		1,000.00
Sewerage 1920.....	"		1,000.00
Street Loan 1919.....	"		6,000.00
Original Equipment—Junior High School.....	"		1,000.00
Hancock Ave. School.....	"		3,000.00
Osgood School.....	"		500.00
Fulton Heights School.....	"		2,000.00
Sewer (Sanitary).....	"		500.00
College Ave. Drain.....	"		1,000.00
Original Construction—Maverick St. and Tyler Ave.....	"		1,000.00
Permanent Pavement 1918.....	"		500.00
Sidewalks 1918.....	"		4,000.00
Sidewalks 1919.....	"		8,000.00
War Loan 1917.....	"		1,500.00
Note No. 8, High School Equipment.....	"		200.00
Sewerage 1921.....	July		1,000.00
School 1912.....	"		5,000.00
Junior High School.....	"		6,250.00
School 1919.....	"		3,000.00
School 1912.....	"		1,000.00
High School Original Equipment.....	"		1,500.00
Hancock Ave. School.....	"		250.00
Additional Fulton Heights School 1921.....	"		2,000.00
Surface Drainage.....	"		1,500.00
Drainage 1912.....	"		500.00

DEBT DUE IN 1922—Continued

	Due	Sinking Funds	Taxes
Streets and Drains 1917.....	July		\$4,500.00
Surface Drains 1919.....	"		1,000.00
Sewer Loan 1921.....	"		4,000.00
Street Loan 1919.....	"		7,000.00
Original Construction Streets.....	"		1,700.00
Original Construction—Ship Ave.....	"		1,000.00
Fire Station.....	"		600.00
Departmental Equipment.....	"		1,700.00
Sewerage	Aug.	\$25,000.00	
Playground	"		1,500.00
School Loan (Portable).....	"		1,000.00
Surface Drains 1919.....	"		500.00
Drainage 1916.....	"		500.00
Original Street Construction 1917.....	"		1,000.00
Sidewalk 1917.....	"		6,000.00
Sidewalk 1921.....	"		3,000.00
Additional Fulton Heights School 1921.....	"		2,000.00
Sewerage	Sept.		500.00
School 1911	"		4,000.00
High School Addition.....	"		1,000.00
Hancock Ave. School.....	"		250.00
Street Construction.....	"		1,000.00
Notes Nos. 124 and 125.....	"	6,000.00	
Harbor	Oct.		2,000.00
Junior High School 1916.....	"		3,300.00
Junior High School 1918.....	"		2,000.00
School Loan (Portable).....	"		1,000.00
Park 1920.....	"		1,000.00
Sewer 1920.....	"		2,000.00
Surface Drains 1920.....	"		1,000.00
Original Street Construction 1920.....	"		2,000.00
Permanent Pavement 1920.....	"		1,000.00
Additional Departmental Equipment 1920.....	"		8,000.00
Notes Nos. 126 to 129.....	"	13,800.00	
Sewerage	Nov.		500.00
School Loan 1919 (Portable).....	"		1,000.00
Capen Street Drain.....	"		1,000.00
Sidewalk 1919.....	"		7,000.00
Water Fund.....	Dec.	25,000.00	
Water Mains Extension.....	"		2,000.00
Sewerage	"		500.00
Fulton Heights School 1920.....	"		2,000.00
Surface Drains 1918.....	"		500.00
Street Loans 1920.....	"		1,000.00
Sidewalks and Edgestones 1919.....	"		2,000.00
Fire Loan 1918.....	"		500.00
Municipal Loan.....	"		5,000.00
Note No. 8—Wellington Road.....	"		500.00

**STATEMENT OF CITY BORROWING CAPACITY,
JANUARY 1, 1922**

Valuation for year 1919 Less abatements.....	\$35,122,750.00
Valuation for year 1920 Less abatements.....	39,015,000.00
Valuation for year 1921 Less abatements.....	41,393,300.00
Gross Net Valuation 3 years.....3 |	\$115,531,050.00
Average Valuation	\$38,510,350.00
	2½%
	\$962,758.75
Total Debt Outstanding..	\$1,892,350.00
Loans Authorized but not yet	
Incurred	43,360.16
	\$1,935,710.16
Less Debt Outside Debt Limits	
Water Bonds Debt, Acts 1893,	
Chap. 198	\$55,000.
Water Bonds Debt, General	
Statute	21,000.
City Hall, Acts 1913, Chap. 486	150,000.
Sewerage, Acts 1893, Chap. 180	136,000.
Sewerage, Acts 1909, Chap. 296	41,500.
Sewerage, Acts 1913, Chap. 306	62,500.
Street, Acts 1919, Chap. 80..	79,000.
School, Acts 1912, Chap. 100..	115,000.
School, Acts 1919, Chap. 45....	44,000.
Swan Junior High School,	
Acts 1916, Chap. 370.....	93,000.
Park, Acts 1898, Chap. 176....	12,000.
Park, Acts 1902, Chap. 338....	20,000.
Public Playground, Rev. Laws,	
Chap. 28	35,500.
Met. Park Assessment, Acts	
1899, Chap. 419.....	27,000.
Harbor Loan, Acts 1919, Chap.	
237	8,000.
	\$900,250

Debt Authorized but not yet Incurred Outside Debt Limit:

Sewer, General Laws, Chap. 92, Sec. 9.....	\$3,000.		
		<u>\$903,250.00</u>	
Total Debt Outstanding plus Debts Authorized but not Incurred Within Debt Limit		\$1,032,460.16	
Less Sinkings Funds applicable debt WITHIN LIMIT.....		<u>173,146.95</u>	
			<u>\$859,313.21</u>
BORROWING CAPACITY as of Jan. 1, 1922...			\$103,445.54
Sinking funds for DEBTS OUTSIDE.....	\$268,102.38		

**BALANCE SHEET, SINKING FUNDS, TRUST FUNDS
AND DEBT.—Dec. 31, 1921**

General Loan Sinking Funds, outside	\$193,770.06	
Water Loan Sinking Fund, outside	74,332.32	
General Loan Sinking Fund, within	173,146.95	
Net Funded Water Debt, out- side	3,667.68	
Net Funded General Debt, out- side	628,479.94	
Net Funded General Debt, within	818,953.05	
City Hall Loan, outside.....		\$150,000.00
Sewerage Loan, outside.....		10,000.00
“ “ “		10,000.00
“ “ “		55,000.00
“ “ “		61,000.00

Sewerage Loan Outside.....	\$30,000.00
“ “ “	5,500.00
“ “ “	6,000.00
“ “ “	11,000.00
“ “ “	11,500.00
“ “ “	12,500.00
“ “ “	3,500.00
“ “ “	14,000.00
“ “ “	10,000.00
Street Loan, outside.....	51,000.00
“ “ “	25,000.00
“ “ “	3,000.00
School Loan, outside.....	55,000.00
“ “ “	60,000.00
Junior High School Loan, outside	93,750.00
School Loan, outside.....	44,000.00
Park Loan, outside.....	12,000.00
“ “ “	20,000.00
Public Playground Loan, outside	9,000.00
Public Playground Loan, outside	26,500.00
Metropolitan Park Assessment, outside	27,000.00
Water Loan, outside.....	10,000.00
“ “ “	4,000.00
“ “ “	25,000.00
“ “ “	16,000.00
“ “ “	15,000.00
Water Mains Extension, outside	6,000.00
Harbor Loan, outside.....	8,000.00
Park Loan	19,000.00
Fire Station Loan.....	6,600.00
Fire Dept. Loan.....	28,000.00
“ “ “	3,500.00
Surface Drainage Loan.....	500.00

Drainage Loan	\$500.00
Surface Drainage Loan.....	6,000.00
“ “ “	8,500.00
“ “ “	3,000.00
Drainage	7,500.00
Surface Drainage	3,500.00
Surface Drains	2,500.00
“ “	2,000.00
“ “	2,500.00
Sewer Loan	15,000.00
“ “	26,000.00
“ “	7,500.00
Surface Drains	2,000.00
Original Construction of Streets Loan	5,100.00
Original Construction of Streets Loan	1,800.00
Wellington Road Loan.....	1,500.00
Street Construction Loan.....	14,500.00
“ “ “	4,600.00
Original Street Construction Loan	5,000.00
Original Street Construction Loan	24,500.00
Original Street Construction Loan	30,000.00
Original Street Construction Loan	9,000.00
Original Street Construction Loan	11,000.00
Ship Avenue Loan.....	2,000.00
Street Construction Loan.....	36,000.00
Street Loan	3,000.00
Permanent Pavement Loan....	500.00
Pavement Loan	2,000.00
City Stable Loan.....	15,000.00
Street and Drains Loan.....	4,500.00

Brick and Granolithic Sidewalks	\$6,000.00
Sidewalk Loan	6,000.00
“ “	8,000.00
“ “	16,000.00
“ “	2,500.00
“ “	20,000.00
“ “	12,000.00
Lincoln Schoolhouse Loan....	45,000.00
Schoolhouse Improvement Loan	14,000.00
Land—George Street	7,000.00
Land—High School	12,000.00
Schoolhouse Loan	95,000.00
School Loan	38,000.00
“ “	11,000.00
High School Additional Loan..	16,250.00
“ “ “ “ ..	6,500.00
High School Equipment Loan..	600.00
High School Original Equipment Loan	7,500.00
Hancock Avenue School Loan	1,000.00
“ “ “ “	28,000.00
“ “ “ “	3,750.00
Osgood School Loan.....	17,500.00
“ “ “	4,000.00
Junior High School Loan.....	48,500.00
“ “ “ “	34,000.00
“ “ “ “	12,000.00
“ “ “ “	6,400.00
Additional Fulton Heights School Loan	23,000.00
Additional Fulton Heights School Loan	25,000.00
Additional Fulton Heights School Loan	25,000.00
School Loan	7,000.00
“ “	4,000.00

School Loan		\$23,000.00
" "		13,000.00
Municipal Loan		500.00
" "		13,800.00
" "		10,000.00
" "		10,000.00
War Emergency Loan.....		1,500.00
" " "		3,000.00
Departmental Equipment Loan		1,700.00
" " " "		30,000.00
War Memorial Loan.....		3,000.00
Playground Loan		6,000.00
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	\$1,892,350.00	\$1,892,350.00

TRUST FUNDS

Trust Funds, Cash and Securities	\$89,523.16	
Perpetual Care Funds.....		\$62,069.82
Trust Funds		16,201.34
Bradbury Poor Fund.....		11,252.00
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	\$89,523.16	\$89,523.16

NOTES IN ANTICIPATION OF REVENUE

Dated May 3, 1921	Due Jan. 16, 1922.....	\$50,000.00
“ May 3, 1921	“ Feb. 15, 1922.....	50,000.00
“ June 3, 1921	“ Mar. 15, 1922.....	100,000.00
“ June 3, 1921	“ Apr. 14, 1922.....	50,000.00
“ June 14, 1921	“ May 15, 1922.....	50,000.00
“ June 23, 1921	“ Jan. 27, 1922.....	50,000.00
“ June 23, 1921	“ Feb. 27, 1922.....	50,000.00
“ June 23, 1921	“ Apr. 28, 1922.....	50,000.00
“ June 23, 1921	“ May 29, 1922.....	50,000.00
“ July 11, 1921	“ June 15, 1922.....	100,000.00
“ Sept. 9, 1921	“ July 14, 1922.....	50,000.00
“ Sept. 20, 1921	“ Aug. 15, 1922.....	50,000.00
		<hr/>
		\$700,000.00

Debt Authorized But Not Issued Before Jan. 1, 1922

Surface Drains	\$14,000.00
Judgment—U. S. Irrigation Co.....	8,860.16
Sidewalks and Edgestones.....	7,000.00
Tufts School (Portable).....	3,000.00
Sewer Construction	3,000.00
Street Construction	7,500.00
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	\$43,860.16

TRUST FUNDS

The Bradbury Fund, amounting to \$11,252.00 is deposited in the Medford Savings Bank. All other Trust Funds and the Perpetual Care Fund are invested by the Commissioners of Sinking Funds.

City Auditor's Statement—January 1, 1921, to Dec. 31, 1921

	Balance	Appropriation	Receipts	Transfer From Other Accounts	Total Amount Credited	Expended	Transfer To Other Accounts	Total Amount Expended	Unexpended	Excess
General Government										
Aldermen's Contingent		\$500.00		\$637.16	\$1,137.16	\$1,111.16	\$28.00	\$1,137.16		
Salary of City Auditor		2,750.00	\$1,218.76		3,968.76	2,750.00	1,218.76	3,968.76		
Auditing Dept. Expenses		2,300.00		569.10	2,869.10	2,869.10		2,869.10		
Salary of City Treasurer		2,750.00			2,750.00	2,750.00		2,750.00		
Treasury Dept. Expenses		300.00			300.00	294.36	5.64	300.00		
Salary of City Collector		2,750.00			2,750.00	2,750.00		2,750.00		
Collecting Dept. Expenses		8,000.00	26.56		8,026.56	7,650.21	376.35	8,026.56		
Salaries of Assessors		3,950.00			3,950.00	3,950.00		3,950.00		
Assessors' Expenses		11,000.00			11,000.00	10,964.00	36.00	11,000.00		
Salary of City Solicitor		2,000.00			2,000.00	2,000.00		2,000.00		
Law Dept. Expenses		300.00	14.00		314.00	283.41	30.59	314.00		
Salary of City Clerk		2,900.00			2,900.00	2,900.00		2,900.00		
City Clerk's Dept. Expenses		4,500.00	33.00		4,533.00	4,397.45	135.55	4,533.00		
Salary of City Engineer		2,750.00			2,750.00	2,750.00		2,750.00		
Engineering Dept. Expenses		2,600.00	2,543.17		5,043.17	4,995.43	47.74	5,043.17		
Election Expenses		4,000.00		422.87	4,422.87	4,422.87		4,422.87		
Salary of Purchasing Agent		2,600.00			2,600.00	2,600.00		2,600.00		
Purchasing Dept. Expenses		2,000.00	23.38		2,023.38	2,021.41	1.97	2,023.38		
Board of Survey	173.92	200.00	45.00		418.92	174.14		174.14	\$244.78	
Salaries of Water and Sewer Commissioners		150.00			150.00	150.00		150.00		
Salary of City Messenger		2,100.00			2,100.00	2,088.33	11.67	2,100.00		
City Messenger's Expenses		1,250.00		19.11	1,269.11	1,269.11		1,269.11		
City Hall		12,250.00	10.74		12,260.74	12,232.56	34.18	12,266.74		
Pension Auditing Dept.		1,250.00			1,250.00	1,250.00		1,250.00		
Protection of Persons and Property										
Salaries of Policemen		80,225.00		1.63	80,226.63	75,476.63	4,750.00	80,226.63		
Reserve Officers		5,715.00		3,275.00	8,990.00	8,970.44	19.56	8,990.00		
Police Dept. Expenses		4,600.00		1,600.00	6,100.00	6,098.24	1.76	6,100.00		
Boiler—Police Dept.	74.53				74.53				74.53	
Salaries of Firemen		110,000.00	11.54		110,011.54	105,928.67	4,082.87	110,011.54		
Repair Shop, Fire Dept.	82.98				82.98				82.98	
Ordinary Expenses, Fire Dept.		10,500.00	11.36	36.34	10,547.70	10,547.70		10,547.70		
Repairs to Fire Dept. Buildings	212.71				212.71	209.79	2.92	212.71		
Armory		1,100.00	900.00		2,000.00	2,000.00		2,000.00		
Salary of Building Commissioner		2,000.00			2,000.00	2,000.00		2,000.00		
Building Inspector's Expenses		425.00		2.00	427.00	427.00		427.00		
Salary of Sealer of Weights and Measures		1,300.00			1,300.00	1,300.00		1,300.00		
Expenses of Sealer of Weights and Measures		350.00		92.00	442.00	429.22	12.78	442.00		
Salary of Supt. of Moth Suppression		400.00			400.00	400.00		400.00		
Gypsy and Brown Tail Moths		4,000.00		2,500.00	6,500.00	6,468.74	31.26	6,500.00		
Trees		1,000.00		3,500.00	4,500.00	4,463.88	36.12	4,500.00		
Salary of Supt. of Wires and Gas Fitting		2,300.00			2,300.00	2,300.00		2,300.00		
Salary of Lineman		1,712.00			1,712.00	1,705.00	7.00	1,712.00		
Electrical Dept. Expenses		800.00	75.73		875.73	843.32	32.41	875.73		
Fire and Police Signal Service		500.00	752.32	475.00	1,727.32	1,714.18	13.14	1,727.32		

	Balance	Appropriation	Receipts	Transfer From Other Accounts	Total Amount Credited	Expended	Transfer To Other Accounts	Total Amount Expended	Unexpended	Excess
Health and Sanitation										
Salaries of Board of Health.....	500.00				500.00	500.00		500.00		
Salaries of Inspectors and Clerk.....	4,500.00				4,500.00	4,500.00		4,500.00		
Contagious Diseases.....	2,000.00		123.43		2,123.43	2,114.67	8.76	2,123.43		
Health Dept. Expenses.....	1,900.00		1,590.00	600.00	3,490.00	3,187.86	292.14	3,490.00		
Reporting and Recording Births and Deaths.....	1,000.00				1,000.00	997.25	2.75	1,000.00		
Medical Inspection—School Dept.....	600.00				600.00	600.00		600.00		
Sewer Maintenance.....	2,500.00		4.50	27.00	2,531.50	2,531.50		2,531.50		
Ashes.....	31,000.00		208.30	5,000.00	36,208.30	36,208.30		36,208.30		
Collection of House Offal.....	15,000.00		5,775.00	2,500.00	23,275.00	23,665.97	*950.96	24,516.93		\$1,241.93
Surface Drains Maintenance.....	1,000.00			19.21	1,019.21	1,019.21		1,019.21		
Brooks and Streams.....	6,500.00			5,029.75	11,529.75	6,529.75	5,000.00	11,529.75		
Highways										
Salary of Street Commissioner.....	2,750.00				2,750.00	2,750.00		2,750.00		
Bridges.....	250.00				250.00	238.44	11.56	250.00		
Highway Dept.—Office Expenses.....	2,500.00				2,500.00	2,089.96	410.04	2,500.00		
General Repairs of Highways.....	50,000.00		5,866.05	5,500.00	61,466.05	61,668.11	19.21	61,587.32		121.27
Paving Gutters.....	500.00				500.00	499.58	.42	500.00		
Sidewalks and Edgestones Maintenance.....	6,000.00		783.15	4,320.83	11,103.98	11,409.95		11,409.95		305.97
Gravel Sidewalks.....	1,500.00				1,500.00	1,490.16	.84	1,500.00		
Tar Walks.....	500.00				500.00	500.00		500.00		
Watering Streets.....	18,000.00		240.00		18,240.00	18,043.09	196.91	18,240.00		
Street Lights.....	26,000.00			700.00	26,700.00	25,870.48	829.52	26,700.00		
Pensions.....	2,000.00			350.00	2,350.00	2,350.00		2,350.00		
Guide Boards and Street Signs.....	300.00			400.00	700.00	700.00		700.00		
Stone Bounds.....	400.00				400.00	392.24	7.76	400.00		
Charities and Soldiers' Benefits										
Salaries of Overseers of Poor.....	800.00				800.00	800.00		800.00		
Outside Relief.....	23,900.00		182.50		23,182.50	29,346.56	2,000.00	31,346.56		8,164.06
City Home.....	5,000.00		1,779.18	2,900.00	8,779.18	14,098.93		14,098.93		5,319.75
							*58.00			
State Aid.....	1,000.00		10.00	3,268.00	4,278.00	3,458.00	761.00	4,278.00		
							*488.00			
Military Aid.....	1,000.00		15.00	491.50	1,506.50	983.00	35.50	1,506.50		
Soldiers' Relief.....	6,000.00		253.00		6,253.00	12,972.98		12,972.98		6,719.98
Special Fund.....			328.11		328.11				328.11	
Repairs, City Home.....	500.00				500.00	490.75	9.25	500.00		

	Balance	Appropriation	Receipts	Transfer From Other Accounts	Total Amount Credited	Expended	Transfer To Other Accounts	Total Amount Expended	Unexpended	Excess
Schools and Libraries										
Salaries of Teachers, Supt. etc.		340,000.00			340,000.00	339,090.80	909.10	340,000.00		
Text Books and Supplies		14,000.00	545.58		14,545.58	14,464.57	81.01	14,545.58		
Stewardship		25,000.00		2,514.07	27,514.07	27,514.07		27,514.07		
Fuel—School Dept.		20,000.00			20,000.00	19,884.12	115.88	20,000.00		
Repairs—School Dept.		17,000.00			17,000.00	16,732.40		16,732.40	267.60	
Evening School		2,200.00	97.92		2,297.92	2,191.16	106.76	2,297.92		
Summer School		1,200.00			1,200.00	1,182.84	17.16	1,200.00		
General Expenses—		6,000.00	1,939.57	1,023.77	8,963.34	8,950.59	3.75	8,963.34		
Trade Schools		1,200.00	1,142.94		2,342.94	2,239.19	103.75	2,342.94		
Public Library		14,000.00	2,924.71		16,924.71	16,449.31	40	16,449.71	475.00	
Agencies		400.00			400.00	395.00	5.00	400.00		
Tuition Retarded Children	436.00	1,500.00			1,936.00	1,535.63	400.37	1,936.00		
Pension—Stewardship				450.00	450.00	450.00	250.00	450.00		
Brooks Schoolhouse				148.50	148.50	148.50		148.50		
Recreation and Unclassified										
Public Commons		8,400.00	18.00	509.38	8,927.38	8,792.72	134.66	8,927.38		
Playground Supervision		1,800.00			1,800.00	1,590.62	209.38	1,800.00		
Care of Bath Houses		350.00		550.00	900.00	899.96	.04	900.00		
Claims		1,000.00		1,779.55	2,779.55	2,779.55		2,779.55		
Decoration and Care of Soldiers' Graves		1,200.00			1,200.00	1,117.29	82.71	1,200.00		
Rental G. A. R. Hall		450.00			450.00	400.00	50.00	450.00		
Post 45, American Legion		450.00		285.00	735.00	735.00		735.00		
Rent—Spanish War		450.00			450.00	280.00	170.00	450.00		
Rifle Practice—Co. E 101st Engineers				931.85	931.85	931.85		931.85		
Insurance		17,000.00		622.01	17,622.01	17,622.01		17,622.01		
Printing Reports		700.00		988.05	1,688.05	1,688.05		1,688.05		
Bonds of City Officials		680.00			680.00	580.00	100.00	680.00		
Printing and Advertising Ordinances		100.00			100.00	95.90	4.10	100.00		
Mayor's Miscellaneous Account		3,000.00	43.08	9.57	3,052.65	3,052.65		3,052.65		
Salaries		6,900.00		25.00	6,925.00	6,925.00		6,925.00		
Celebration of April 19				150.00	150.00	129.20	20.80	150.00		
Miscellaneous Credits			†12,320.06				†11,420.06		†900.00	
Decoration of Firemen Graves		50.00			50.00	50.00		50.00		
Dedication of Honor Roll	500.00				500.00				500.00	
Bills of 1920		66,072.26	6.00	123.60	66,201.86	33,404.00	32,797.86	66,201.86		
Rent of Vaults—Sinking Fund Commission				10.00	10.00	10.00		10.00		
Band Concerts				500.00	500.00	484.00	16.00	500.00		
Decoration Policemen's Graves				50.00	50.00	50.00		50.00		
Special Comm.—Bd. of Aldermen		800.00			800.00				800.00	
Enterprises and Cemeteries										
Water Service			96,190.74	5,023.63	101,214.37	110,184.21	*3,731.18	113,915.39		12,701.82
Salaries of Trustees of Cemeteries		200.00			200.00	200.00		200.00		
Care of Oak Grove Cemetery		8,000.00	12,933.99		20,933.99	21,205.48		21,205.48		271.49
Care of Cross and Salem Street Cemeteries		200.00			200.00	190.44	.56	200.00		

	Balance	Appropriation	Receipts	Transfer From Other Accounts	Total Amount Credited	Expended	Transfer To Other Accounts	Total Amount Expended	Unexpended	Excess
Interest and Maturing Debt										
Interest		105,000.00	24,021.61	1,585.51	130,607.12	129,065.17	1,541.95	130,607.12		
Interest—Water Debt	4,407.97		4,721.10		9,129.07	3,560.00	300.00	3,860.00	5,268.07	
City Debt—Current	28,011.77	189,350.00	43,946.27	16,821.75	278,129.79	232,500.00	43,629.79	278,129.79		
City Debt—General				44.79					44.79	
Sinking Funds		5,000.00			5,000.00	5,000.00		5,000.00		
Income from Trust Funds	191.81		1,202.23		1,394.04	1,188.79		1,188.79	205.25	
Non Revenue										
Perpetual Care Fund			2,840.00		2,840.00	2,840.00		2,840.00		
City Hall Construction	98,270.85				98,270.85				98,270.85	
Police Signal System Equipment	514.44				514.44	425.40		425.40	89.04	
Sewer Construction	6,233.09	13,000.00	915.85	31,359.66	51,508.60	37,061.42	14,285.35	51,346.77	161.83	
Surface Drains Construction	6,338.29	18,000.00	116.25		24,454.54	8,913.21		8,913.21	15,541.33	
Paving Medford Sq., Main, Salem and High Sts.	146.21				146.21				146.21	
Original Construction of Streets	298.21			83.04	381.25	381.25		381.25		
Riverside Avenue	1,438.83				1,438.83				1,438.83	
Sidewalks and Edgestones Construction	8,663.25	19,000.00	16.80	3,971.05	31,651.10	24,094.22	2,156.74	26,250.96	5,400.14	
Fulton Heights Schoolhouse	3,198.45	50,000.00	725.08	600.00	54,523.53	50,712.07		50,712.07	3,811.46	
High Schoolhouse Addition	184.70				184.70				184.70	
Osgood Schoolhouse	6.08				6.08		6.08	6.08		
Junior High Schoolhouse	354.72			435.28	790.00	790.00		790.00		
South Medford Schoolhouse	641.31				641.31		429.20	429.20	212.11	
Playground Equipment	3,000.00				3,000.00				3,000.00	
Memorial Honor Roll	1,471.98				1,471.98	1,323.94		1,323.94	148.04	
Food Production and Conservation	25.07				25.07				25.07	
Development of the Port of Boston	333.34				333.34				333.34	
Fuel Administration Expenses	147.92				147.92				147.92	
War Emergency	79.16				79.16				79.16	
Special War Emergency	850.00				850.00				850.00	
Auditing Dept. Equipment	135.64		25.00		160.64	158.52		158.52	2.12	
Highway Dept. Equipment .....	.36				.36				.36	
Land Dame School	4,000.00				4,000.00				4,000.00	
Portable School (Dame)	3,588.00				3,588.00	3,260.41		3,260.41	327.59	
Park St. and Wellington Parks	9,442.69				9,442.69	750.00		750.00	8,692.69	
Fire Dept. Repair Shop Equipment	2,500.00				2,500.00	1,869.34		1,869.34	630.66	
Auto Ambulance, Poor Dept.	2.88				2.88				2.88	
Fire Alarm Signal System Equipment	921.21		256.55		1,177.76	1,169.79		1,169.79	7.97	
Portable Band Stand	259.75				259.75				259.75	
City Hall Equipment .....	.05				.05				.05	
Assessors' Dept. Equipment	115.00				115.00	114.52		114.52	.48	
Widening Salem Street		9,000.00			9,000.00	4,605.19		4,605.19	4,394.81	
Construction Amaranth Ave.		8,000.00			8,000.00	6,386.49	83.04	6,449.53	1,550.47	
Construction Dwyer Circle		8,000.00			8,000.00	2,756.09		2,756.09	5,243.91	
Construction Gourley Road		11,000.00			11,000.00	7,764.42		7,764.42	3,235.58	
Two Penny Brook—Covered Drain		6,000.00			6,000.00				6,000.00	
Portable Schoolhouse—Tufts School		3,000.00			3,000.00				3,000.00	
U. S. Irrigation & Drainage Co.		8,860.16		1,899.84	10,760.00				10,760.00	
Edward Street Construction		3,500.00			3,500.00				3,500.00	
Sheridan Avenue Construction		4,000.00			4,000.00				4,000.00	
	\$187,253.17	\$1,535,849.42	\$217,559.05	\$115,831.40	\$2,056,493.04	\$1,771,856.52	\$125,740.51	\$1,897,597.03	\$193,741.46	\$34,845.45

*Debit Balance

†Not figured on sheet

ARTHUR E. CROWLEY,
City Auditor.

PUBLIC PROPERTY

Assessors' Valuation, April 1, 1921

(Real Estate)

Ward I

Franklin Schoolhouse	\$80,000.00
38,762 feet land, Central avenue.....	9,700.00
58,952 feet land, Logan Grove.....	11,800.00
192,200 feet land, Central avenue playground	26,900.00
S. part lot 79 Sheridan avenue.....	700.00
	<hr/>
	\$129,100.00

Ward 2

Brick Engine House	\$16,000.00
10,532 feet land, Salem street.....	4,200.00
Curtis Schoolhouse (wooden).....	6,000.00
Curtis Schoolhouse (brick).....	45,000.00
32,986 feet land, Paris street.....	6,600.00
9,005 feet land, Paris street.....	1,350.00
14,120 feet land, lot 8, Dell avenue.....	400.00
13,660 feet land, lot 9, Dell avenue.....	400.00
20,020 feet land, lot 7, Pt lot 5, Dell avenue..	800.00
Washington Schoolhouse	75,000.00
56,520 feet land, Washington street, corner Cross street	19,800.00
Swan Junior High School.....	240,000.00
42,280 feet land, Park street, corner Wash- ington street	14,800.00
56,758 feet land, Magoun Park.....	14,200.00
Schoolhouse, Fulton street.....	4,000.00
Schoolhouse, Fulton street.....	2,500.00

39,189 feet land, Fulton street.....	\$3,900.00
Schoolhouse, Fulton street (Fulton Heights)..	75,000.00
5,320 feet land, Paris street.....	750.00
800 feet land, Paris street.....	100.00
3,837 feet land, Fellsway West.....	100.00
House, Winslow avenue.....	200.00
Lot 1, Winslow avenue, 6,075 feet.....	200.00
5,723 feet land, Winslow avenue, lot 2.....	150.00
4,794 feet land, Winslow avenue, lot 14.....	150.00
4,658 feet land, Arlington street, lot 3.....	100.00
4,000 feet of land, Arlington street, lot 18....	100.00
5,632 feet land, Rand street, lot 40.....	100.00
5,492 feet of land, Rand street, lot 39.....	100.00
4,046 feet land, Rand street, lot 36.....	100.00
3,942 feet land, Rand street, lot 35.....	100.00
3,837 feet land, Rand street, lot 34.....	100.00
3,792 feet land, Rand street, lot 33.....	100.00
5,550 feet of land, Waddell street.....	150.00
3,500 feet land, Sawyer street, lot 10.....	50.00
3,500 feet land, Sawyer street, lot 9.....	50.00
3,500 feet land, Sawyer street, lot 8.....	50.00
3,500 feet land, Sawyer street, lot 7.....	50.00
3,500 feet land, Sawyer street, lot 6.....	50.00
	<hr/>
Total Ward 2.....	\$532,800.00

Ward 3

36,040 feet land, Salem Street Cemetery.....	\$16,200.00
119,950 feet land, Public Common, Salem street	30,000.00
Band Stand	300.00
Everett Schoolhouse	12,000.00
10,155 feet land, Salem street.....	3,050.00
48,400 feet land, Cross Street Cemetery.....	5,800.00
No. 825 Fellsway West, office building.....	12,000.00
Brick Developing house.....	8,000.00
Store House	300.00
Tay House	800.00

Studios and annex.....	\$140,000.00
Tool House	300.00
29.60 acres, Fellsway West.....	38,700.00
High School Building.....	500,000.00
196,814 feet land, Forest street to Hall avenue and Bradlee road.....	68,900.00
550 sq. feet land, Governors avenue, cor. High street	550.00
Center Schoolhouse	35,000.00
30,112 ft. land, High St., to Grand View avenue	12,050.00
Public Library	40,000.00
Public Library Annex	8,000.00
16,450 feet land, High street.....	4,950.00
13,566 feet land, High street.....	4,750.00
Brooks Schoolhouse	95,000.00
83,960 feet land, High street, cor. Allston street	21,000.00
15,146 sq. ft. land, High street, cor. Main street to River	49,200.00
Foundation	40,000.00
58,000 feet land, Hastings Park, Allston street	14,500.00
City Home	30,000.00
Stable and Shed	3,000.00
Piggery and Tool House.....	1,000.00
Stone Crusher and Building.....	3,000.00
24.10 acres land, Winthrop street.....	10,500.00
Blacksmith Shop	500.00
Garage	200.00
20,242 feet land, Terrace road.....	400.00
119. acres, Fellsway West.....	50,100.00
Storage shed	100.00
Waiting room and tool house.....	1,000.00
48.57 acres, Oak Grove Cemetery, Winthrop street	125,000.00
Dwelling, No. 230 Playstead road.....	4,000.00
Storehouse	500.00
Stables	500.00
Dwelling in rear.....	1,800.00

2,883 feet land, Fountain street, lot 3.....	\$350.00
740 feet land, Bradlee road.....	250.00
18,905 feet land, Governors avenue to Grand View avenue	3,400.00
	<hr/>
Total of Ward 3.....	\$1,396,950.00

Ward 4

Brick Fire House.....	\$85,000.00
10,480 feet land, Main St., cor. South street....	8,400.00
15,988 feet land, Brooks Park.....	3,500.00
Police Station and Garage.....	40,000.00
9,046 feet land, Main St., cor. Swan St.....	7,250.00
Water Works Building	20,000.00
Shed	1,500.00
14,656 feet land, Swan St., cor. James St.....	2,200.00
Highway Stables and out buildings.....	30,000.00
71,328 feet land, James street.....	3,550.00
14,000 feet land, Mystic avenue, lot 1.....	1,000.00
14,110 feet land, Mystic avenue, lot 5.....	1,000.00
Hancock Schoolhouse	75,000.00
43,342 feet land, Hancock avenue, lots A and B	6,500.00
Cradock Schoolhouse	14,000.00
26,690 feet land, Summer St., cor. Rye St....	5,850.00
Portable Schoolhouse	6,000.00
L. L. Dame Schoolhouse	125,000.00
49,986 feet land, George street	10,000.00
Cummings Schoolhouse	1,200.00
19,810 feet land, lot A, Cotting street, corner of Lyman avenue	2,400.00
3,830 feet land, rear Union street	300.00
159,305 feet land, Summer street, corner Rye street	28,650.00
1,744 feet land, Douglas road	350.00
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Total of Ward 4.....	\$478,650.00

Ward 5

Two portable schoolhouses	\$8,000.00
Lincoln Schoolhouse	110,000.00
42,000 feet land, Dartmouth street, between Yale and Harvard streets.....	10,500.00
57,600 feet land, Harvard street.....	11,500.00
.65 acre Marshland, Mystic avenue.....	150.00
Tufts Schoolhouse	30,000.00
33,851 feet land, junction of Main and Medford streets	10,150.00
277,915 feet land, Tufts Park.....	55,600.00
Brick Engine House	15,000.00
7,780 feet land, lots 25 and 26, Medford street, corner Albion street	2,350.00
2,809 feet land, Leyden St., cor. East Albion St., lot 12	100.00
4,530 feet land, East Albion St., lot 9.....	250.00
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Total Ward 5.....	\$253,600.00

Ward 6

5,210 feet land, Park, High street.....	\$1,550.00
Gleason Schoolhouse	12,000.00
20,350 feet land, lot 23, Gleason street, corner of Madison street	5,100.00
8.49 acres land, Brooks Playstead.....	73,950.00
Fire Station	15,000.00
11,340 feet land, Harvard avenue, corner of Bower street	5,100.00
Hervey Schoolhouse	18,000.00
25,600 feet land, lots 66 and 67 Holton street corner Sharon street	5,100.00
1,080 feet land, Canal St.....	100.00
9,650 feet land, Boston avenue.....	1,950.00
Hillside Schoolhouse	20,000.00

29,775 feet land, Boston avenue, corner Winthrop street	\$15,000.00
2,000 feet land Jerome street, corner Sherman street	250.00
224 feet land, Sharon street	50.00
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Total of Ward 6.....	\$173,050.00

Ward 7

James Schoolhouse	\$50,000.00
58,878 feet land, Spring street, corner Bradshaw street	9,400.00
Engine House	5,000.00
8,270 feet land, lot 15, Spring street.....	1,250.00
New Osgood Schoolhouse.....	80,000.00
47,760 feet, Fourth street.....	9,550.00
5,140 feet land, Hall street.....	50.00
13,503 feet land, Myrtle street.....	250.00
1,656 feet land, Riverside Ave., cor. Rockwell avenue	150.00
720 feet land, Linden St., part lot 38.....	50.00
124,800 feet, Playground, Second St.....	12,500.00
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Total of Ward 7.....	\$168,200.00

Totals by Wards

(All Parks and Cemeteries included)

Ward 1	\$129,100.00
Ward 2	532,800.00
Ward 3	1,396,950.00
Ward 4	478,650.00
Ward 5	253,600.00
Ward 6	173,050.00
Ward 7	168,200.00
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Total	\$3,132,350.00

Deduct the following unsalable property:

Magoun Park (Ward 2)	\$14,200.00
Cross St. Cemetery (Ward 3).....	5,800.00
Salem St. Cemetery (Ward 3).....	16,200.00
Hastings Park (Ward 3).....	14,500.00
Oak Grove Cemetery (Ward 3)	125,000.00
Dwelling House, Playstead Road (Ward 3)..	4,000.00
Garage	200.00
Stables, Playstead Road (Ward 3).....	500.00
Storehouse	500.00
Dwelling House, rear of Playstead Road (Ward 3)	1,800.00
Brooks Park (Ward 4).....	3,500.00
Triangle (Ward 6)	1,550.00
	<hr/>
	\$187,750.00

Report of the City Treasurer

January 3d, 1922.

Hon. Benjamin F. Haines,
Mayor of the City of Medford.

Dear Sir:—

As required by Section 31 of the Revised Charter I submit the following report:—

Cash in Treasury January 1st, 1921.....	\$180,874.99
Receipts to December 31st, 1921.....	2,935,304.44
	<hr/>
	\$3,116,179.43
Expenditures to December 31, 1921.....	\$2,799,052.12
	<hr/>
Cash in Treasury January 1st, 1922.....	\$317,127.31

Respectfully,

EDWARD A. BADGER,
City Treasurer.

Report of Commissioners of Sinking Funds

Hon. Benjamin F. Haines, Mayor, and Board of Aldermen,
of the City of Medford.

Gentlemen:—The Commissioners of Sinking Funds respectfully submit the following statement of their accounts for the year ending December 31, 1921:

WATER LOAN SINKING FUND

Receipts

1921	
Jan. 1.	Cash on hand..... \$6,776.47
	Income from investments 3,867.62
	Income from bank deposits 21.69
Mar. 11.	Sold to Sewerage Loan, \$3000 Medford 4% bond, due Aug. 1, 1922, and interest 3,013.66
July 1.	Medford bonds paid 13,000.00
Apr. 1.	Brockton bonds paid 4,000.00
Jan. 19.	Sold to Lincoln Schoolhouse Loan, \$1,000 Medford 4% bonds (\$500 each) due May 1, 1921 and 1922, and interest.. 1,008.44

June 1.	Medford bond paid	\$500.00	
June 15.	U. S. certificates paid	6,500.00	
Sept. 15.	U. S. certificates paid	2,000.00	
Mar. 15.	U. S. certificates paid	3,000.00	
Nov. 1.	Boston & Maine R. R. Co. bonds paid	4,000.00	
Dec. 1.	Winchester bonds paid	2,000.00	
		<hr/>	\$49,687.88

Disbursements

Jan. 1.	Paid to city to re- deem bond	\$3,000.00
	Paid income from securities	4,721.10
Mar. 19.	Bought of Lincoln Schoolhouse Loan, \$4,000 Victory Loan 4¾% bonds, due May 20, 1923, and interest	4,063.32
Mar. 21.	\$2,000 Salem 3½% bonds, due Sept. 1, 1922, and interest..	2,003.35
Apr. 5.	Bought of School- house 1908 Loan, \$4,000 Victory Loan 4¾% bonds, due May 20, 1923, and interest	4,058.02
June 28.	Bought \$5,000 U. S. 5½% certificates, due June 15, 1922, and interest	5,009.77

July 1.	Paid to City to re- deem bonds	\$15,000.00	
Aug. 1.	Bought \$2,000 U. S. 5½% certificates, due Aug. 1, 1922.	2,000.00	
Sept. 15.	Bought \$2,000 U. S. 5% certificates, due Sept. 15, 1922.	2,000.00	
		<hr/>	\$41,855.56
Jan. 1, 1922.	Cash on hand, de- posited in Medford Trust Co.		\$7,832.32

Water Loan Funds Invested as Follows:

City of Medford 4% bonds, due June 1, 1924.	\$2,000.00
City of Medford 4% notes, due Dec. 1, 1926.	15,000.00
City of Medford 4% bonds, due July 1, 1923.	5,000.00
City of Medford 4% bonds, due Dec. 1, 1922.	5,000.00
City of Medford 4% bonds, due July 1, 1923.	1,000.00
City of Medford \$500 ea. 4½% bonds, due June 1, 1922-24	1,500.00
U. S. Liberty Loan 4¼%, due Oct. 15, 1938.	1,000.00
U. S. Victory Loan 4¾% bonds, due May 20, 1923.	25,000.00
U. S. Certificates 5½%, due June 15, 1922.	5,000.00
U. S. Certificates 5½%, due Aug. 1, 1922.	2,000.00
U. S. Certificates 5¼%, due Sept. 15, 1922.	2,000.00

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City of Salem 3½% bonds, due Sept. 1, 1922.....	\$2,000.00	
	<hr/>	\$66,500.00
Jan. 1, 1922. Total cash and securities		<hr/> \$74,332.32

SEWERAGE LOAN SINKING FUND

Receipts

1921		
Jan. 1.	Cash on hand.....	\$426.02
	Income from invest- ments	5,901.67
	Income from bank deposits	95.04
	Appropriation from Taxes	900.00
Jan.	Sold to Schoolhouse Improvement Loan \$1,000 Boston&Maine R. R. Co. 4% bonds, due Sept. 1, 1926, and interest	1,013.72
	Sold to Metropolitan Park Assessment Loan, \$2,000 Boston & Maine R. R. Co. 4% bonds, due Sept. 1, 1926, and interest	2,027.44
Feb.	Sold \$17,000 U. S. 4¾% Certificates, and interest	17,345.75
Mar. 15.	U. S. Certificates paid	5,000.00

	Sold to Schoolhouse 1908 Loan \$5,000 Boston & Maine R. R. Co. 3½% bonds, due Feb. 2, 1925, and in- terest	\$5,024.30
Apr.	Sold to Park Loan \$3,000 Medford Reg. 4% bonds, due July 1, 1932, and interest	3,032.00
May 1.	Sold to Metropolitan Park Assessment Loan \$9,000 Med- ford 4% bonds, due Nov. 1, 1932.....	9,000.00
June 15.	U. S. Certificates paid	10,000.00
	Medford bond paid.	200.00
	Sold to Park Loan \$1,000 Newburyport 3½% bond, due June 1, 1932.....	1,000.00
June 22.	Sold to Schoolhouse 1908 Loan \$2,000 Boston & Maine R. R. Co. 4% bonds, due Sept. 1, 1926, and interest	2,024.88
July 1.	Medford bonds paid Sold to City Notes Loan \$6,000 Fall River 3½% bonds, due July 1, 1924...	2,500.00 6,000.00
Aug.	Medford bonds paid	2,000.00
Sept. 15.	U. S. Certificates paid	15,000.00
Nov. 1.	Everett bond paid..	1,250.00

Dec.	Transferred from Lincoln Schoolhouse Loan	\$1,172.17	
		<hr/>	\$90,912.99

Disbursements

Jan. 16.	Bought \$4,000 Victory Loan 4¾% bonds, due May 20, 1923, @ 97.30 and interest	\$3,909.42
Feb. 21.	Bought \$1,000 Medford 4% bond, due Aug. 1, 1923, @ 96.60 and interest..	968.22
Feb. 23.	Bought \$3,000 Medford 4% bond, due July 1, 1932, @ 91.84 and interest..	2,772.87
	Bought \$9,000 Medford 4% bond, due Nov. 1, 1932, @ 91.66 and interest..	8,362.40
Mar. 11.	Bought of Water Loan \$3,000 Medford 4% bonds, due Aug. 1, 1922, and interest	3,013.66
Mar. 21.	Bought \$13,000 U. S. 5½% Certificates, Due Sept. 1, 1921, and interest	13,017.49
Apr. 5.	Bought \$1,000 Medford 4% bond, due Aug. 1, 1921, @ 99.35, and interest..	1,000.61

Apr. 11.	Bought \$2,500 Medford 4½% bond, due July 1, 1921, and interest	\$2,523.19	
May 1.	Bought of Metropolitan Park Assessment Loan \$4,000 Winchester 3½% bonds, due Oct. 1, 1929, and interest	4,011.66	
	\$1,250 Everett 4% bonds, due Nov. 1, 1921	1,250.00	
	\$1,500 Salem 4% bonds, due Feb. 1, 1932, and interest..	1,510.00	
	\$2,000 West End St. R'y 4% bonds, due Aug. 1, 1932, and interest	2,013.34	
June 6.	Bought \$1,000 Medford 4% bonds, due Aug. 1, 1921, @ 98.68 and interest	1,010.69	
Aug. 1.	Paid to City to redeem bonds due....	23,000.00	
Aug. 15.	Bought \$3,000 U. S. Certificates 5½%, due Aug. 1, 1922....	3,000.00	
Sept. 15.	Bought \$15,000 U. S. Certificates 5%, due Sept. 15, 1922.....	15,000.00	
		<hr/>	\$86,363.55
Jan. 1, 1922.	Cash on hand, deposited in Nat. Shawmut Bank		\$4,549.44

Sewerage Loan Funds invested as follows:

City of Medford 4% bonds, due Aug. 1, 1922.....	\$13,000.00
City of Medford 4% bonds, due July 1, 1926.....	29,000.00
City of Medford 4% bonds, due July 1, 1924.....	1,000.00
City of Medford 4% bonds, due Oct. 1, 1924.....	3,000.00
City of Medford 4% bonds, \$200 ea., due June 1, 1922-24...	600.00
Princeton & Northwestern R. R. Co. 3½% bonds, due Jan. 1, 1926.....	10,000.00
Boston Elevated Street R'y Co. 4% bonds, due May 1, 1935	2,000.00
Amer. Tel. & Tel. Co. 4% bonds, due July 1, 1929.....	20,000.00
City of New London 4% bonds, due May 1, 1925.....	2,000.00
City of Marlboro 4% bonds, due Sept. 1, 1926.....	3,000.00
West End Street R'y Co. 4% bonds, due Aug. 1, 1932...	6,000.00
Town of Winchester 3½% bonds, due Oct. 1, 1929....	4,000.00
City of Salem 4% bonds, due Feb. 1, 1932.....	1,500.00
U. S. Victory Loan 4¾% bonds, due May 20, 1923.....	9,000.00
U. S. Certificates 5½%, due Aug. 1, 1922.....	3,000.00
U. S. Certificates 5¼%, due Sept. 15, 1922.....	15,000.00
Boston & Albany R. R. Co. 4% bonds, due May 1, 1935...	8,000.00

Medford 4% bonds, due Aug. 1, 1923	\$1,000.00	
	<hr/>	\$131,100.00
Jan. 1, 1922. Total cash and securities		\$135,649.44

LINCOLN SCHOOLHOUSE LOAN SINKING FUND

Receipts

1921		
Jan. 1.	Cash on hand.....	\$55.92
	Income from Invest- ments	2,145.00
	Income from bank deposit	36.01
	Appropriation from Taxes	1,500.00
Jan.	Sold \$5,000 U. S. Certificates 6% and interest	5,030.49
	Boston bond paid..	2,000.00
Mar.	Sold to Water Loan account \$2,000 Salem 3½% bonds, due Sept. 1, 1922, and in- terest	2,003.35
Apr.	U. S. Certificates paid	3,000.00
Apr.	Sold to City Notes Loan account \$6,500 Medford 4% note, due Apr. 1, 1922.....	6,500.00
May	Medford bond paid.	500.00
June	U. S. Certificates paid	8,000.00
Aug.	Athol bonds paid....	2,000.00

Oct.	Wakefield bonds paid	\$2,000.00	
	Winchester bonds paid	2,000.00	
Mar.	Sold to Sewerage Loan account \$4,000 Victory Loan 4¾% bonds, due May 20, 1923, and interest..	4,063.32	
		4,063.32	\$40,834.09

Disbursements

Jan. 19.	Bought of Water Loan \$1,000 Medford 4% bonds (\$500 each), due May 1, 1921, and May 1, 1922, and interest..	\$1,008.44	
	Bought \$5,000 Med- ford 4% bonds, due May 1, 1922, @ 97.48 and interest	4,918.44	
Mar. 20.	Bought of School- house 1908 Loan ac- count \$5,000 Med- ford 4% bonds, due May 1, 1922, and in- terest	5,077.80	
Mar. 21.	Bought \$5,000 U. S. 5¾% Certificates, due March 15, 1922, and interest	5,007.03	
Apr. 1.	Bought of City Notes Loan account \$6,000 U. S. 6% Cer- tificates, due June 15, 1921, and interest	6,120.00	

June 28.	Bought \$10,000 U. S. 5½% Certificates, due June 15, 1922, and interest	\$10,019.54	
Aug. 1.	Bought \$2,000 U. S. 5¼% Certificates, due March 15, 1922, and interest	2,000.00	
Oct. 4.	Bought \$4,000 Med- ford 4% bonds, due Dec. 1, 1922, @ 98.90 and interest	4,010.67	
Dec. 6.	Transferred to Sew- erage Loan	1,172.17	
		<hr/>	\$39,334.09
Jan. 1, 1922.	Cash on hand, de- posited in Nat. Shawmut Bank		\$1,500.00
	Lincoln Schoolhouse Loan Fund invest- ed as follows:		
	Medford 4% bonds, due May 1, 1922	\$20,500.00	
	Medford 4% bonds, due Dec. 1, 1922	4,000.00	
	U. S. Certificates 5¾%, due Mar. 15, 1922.....	5,000.00	
	U. S. Certificates 5¼%, due Mar. 15, 1922	2,000.00	
	U. S. Certificates 5½%, due June 15, 1922.....	10,000.00	
	City of Boston 3½% bonds, due June 1, 1922.....	2,000.00	
		<hr/>	\$43,500.00
Jan. 1, 1922.	Total cash and securities		\$45,000.00

SCHOOLHOUSE LOAN 1908 SINKING FUND

Receipts

1921			
Jan. 1.	Cash on hand.....	\$889.63	
	Income from Invest- ments	2,040.50	
	Income from bank deposit	30.83	
	Appropriation from Taxes	1,360.00	
Mar. 19.	Sold to Lincoln Schoolhouse Loan \$5,000 Medford 4% bonds, due May 1, 1922, and interest..	5,077.80	
Apr. 15.	Sold to Water Loan \$4,000 Victory Loan 4¾% bonds, due May 20, 1923, and in- terest	4,058.02	
	Transferred from Public Playground Loan	360.00	
June	U. S. Certificates paid	5,000.00	
	Transferred from Park Loan	1,241.47	
		<hr/>	\$20,058.25

Disbursements

Mar. 20.	Bought of Sewerage Loan \$5,000 Boston & Maine R. R. Co. 3½% bonds, due Feb. 2, 1925, and in- terest	\$5,024.30
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Apr. 6.	Bought of Metropolitan Park Assessment Loan \$4,000 Boston & Maine R. R. Co. 4% bonds, due Sept. 1, 1926, and interest	\$4,016.00	
June 22.	Bought of Sewerage Loan \$2,000 Boston & Maine R. R. Co. 4% bonds, due Sept. 1, 1926, and interest	2,024.88	
July 1.	Bought of City Notes Loan \$5,000 Am. Tel. & Tel. Co. 4% bonds, due July 1, 1929	5,000.00	
		<hr/>	\$16,065.18
Jan. 1, 1922.	Cash on hand, deposited in Nat. Shawmut Bank		\$3,993.07

Schoolhouse 1908 Loan Funds invested as follows:

Boston & Maine R. R. Co.	4½% bonds, due Apr. 1, 1929	\$5,000.00
Boston & Maine R. R. Co.	3½% bonds, due, Feb. 2, 1925	9,000.00
Boston & Maine R. R. Co.	4% bonds, due Sept. 1, 1926	6,000.00
Fitchburg R. R. Co.	4% bonds, due May 1, 1925	20,000.00
Fitchburg R. R. C.	4½% bonds, due May 1, 1928	4,000.00

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Am. Tel. & Tel. Co. 4% bonds, due July 1, 1929.....	\$9,000.00	
City of Milwaukee 4½% bonds, due Jan. 1, 1928.....	3,000.00	
Fitchburg R. R. Co. 4½% bonds, due Jan. 1, 1933....	1,000.00	
	<hr/>	\$57,000.00
Jan. 1, 1922. Total cash and securities		<hr/> \$60,993.07

PUBLIC PLAYGROUND LOAN SINKING FUND

Receipts

1921		
Dec. 31. Income from Invest- ments		\$360.00

Disbursements

Transferred to School- house 1908 Loan....		360.00
	<hr/>	
Jan. 1, 1922. Cash on hand..		.00

Public Playground Loan Fund invested as follows:

City of Medford 4% bonds, due May 1, 1932		\$9,000.00
	<hr/>	
Jan. 1, 1922. Total securities..		\$9,000.00

PARK LOAN SINKING FUND

Receipts

1921			
Dec. 31.	Income from Investments	\$1,257.50	
	Income from bank deposits	13.64	
Apr. 9.	Sold to Metropolitan Park Assessment Loan \$4,000 Winchester 3½% bonds, due Oct. 1, 1929, and interest	4,002.33	
		<hr/>	\$5,273.47

Disbursements

Apr. 6.	Bought of Sewerage Loan \$3,000 Medford 4% Reg. bonds, due July 1, 1932, and interest	\$3,032.00	
Dec. 5.	Transferred to Schoolhouse 1908 Loan....	1,241.47	
June 1.	Bought of Sewerage Loan \$1,000 Newburyport 3½% bond, due June 1, 1932....	1,000.00	
		<hr/>	\$5,273.47
			<hr/>

1922

Jan. 1.	Cash on hand.....		.00
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Park Loan Fund invested as follows:

Commonwealth of Massachusetts 3½% Reg. bond, due Jan. 1, 1930.....	\$2,000.00	
City of Medford 4% Park bonds, due July 1, 1932....	17,000.00	
City of Medford 4% Park bonds, Reg. July 1, 1932..	3,000.00	
City of Salem 4% Reg. bonds, due Feb. 1, 1929.....	2,500.00	
City of Salem 4% Reg. bonds, due Feb. 1, 1930.....	2,500.00	
Boston & Maine R. R. Co. 4% bond, due April 1, 1929....	2,000.00	
Old Colony R. R. Co. 3½% bond, due July 1, 1932....	1,000.00	
City of Newburyport 3½% bond, due June 1, 1932...	2,000.00	
	<hr/>	\$32,000.00
Jan. 1, 1922. Total securities..		\$32,000.00

CITY NOTES LOAN SINKING FUND
Receipts

1921		
Jan. 1.	Cash on hand.....	\$336.20
	Income from Investments	1,639.50
	Income from bank deposits	11.41
	Appropriation from Taxes	300.00

Apr. 21.	Sold to Lincoln Schoolhouse Loan \$6,000 U. S. Certificates 6%, due June 15, 1921, and interest	\$6,120.00	
May 1.	City of Medford bond paid	1,200.00	
July 1.	City of Medford bond paid	600.00	
	Sold to Schoolhouse 1908 Loan \$5,000 Am. Tel. & Tel. Co. 4% bonds, due July 1, 1929	5,000.00	
		<hr/>	\$15,207.11

Disbursements

Apr. 1.	Bought of Lincoln Schoolhouse Loan \$6,500 Medford 4% note, due Oct. 1, 1922	\$6,500.00	
July	Bought of Sewerage Loan \$6,000 City of Fall River 3½% bond, due July 1, 1924	6,000.00	
Oct. 4.	Bought \$1,000 Medford 4% bond, due Dec. 1, 1922, @ 98.90 and interest	1,002.66	
May 1.	Paid to City to redeem note	1,200.00	
		<hr/>	\$14,702.66

1922

Jan. 1. Cash on hand deposited in Medford Trust Co.	\$504.45
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City Notes Loan Fund invested as follows :

City of Medford 4% notes, due Sept. 1, 1922.....	\$6,000.00	
City of Medford 4% notes, due Oct. 1, 1922.....	13,800.00	
City of Medford 4% notes, due Jan. 1, 1927.....	7,000.00	
City of Medford 4% bond, due Dec. 1, 1922.....	1,000.00	
City of Medford 4% bond, \$600 ea., due July 1, 1922-24....	1,800.00	
City of Medford 4% bond, due July 1, 1922.....	500.00	
City of Fall River 3½% bond, due Nov. 1, 1929.....	1,000.00	
Boston & Maine R. R. Co. 4½% bond, due Apr. 1, 1929....	3,000.00	
Am. Tel. & Tel. Co. 4% bond, due July 1, 1929.....	2,000.00	
West End St. Ry. 4½% bond, due July 1, 1930.....	1,000.00	
U. S. Liberty Loan No. 2 4¼% bond, due Nov. 15, 1942...	1,000.00	
City of Fall River 3½% bond, due July 1, 1924.....	6,000.00	
	<hr/>	\$44,100.00
Jan. 1, 1922. Total cash and securities		<hr/> \$44,604.45

**METROPOLITAN PARK ASSESSMENT LOAN
SINKING FUND**

		Receipts	
1921			
Jan.	1.	Cash on hand.....	\$993.49
		Income from Invest- ments	672.50
		Income from bank deposit	3.40
		Appropriation from Taxes	180.00
Jan.	1.	City of Boston bond paid	1,000.00
Apr.	6.	Sold to Schoolhouse 1908 Loan \$4,000 Boston & Maine R. R. Co. 4% bonds, due Sept. 1, 1926, and in- terest	4,016.00
May	1.	Sold to Sewerage Loan \$1,500 Salem 4% bonds, due Feb. 1, 1932, and interest \$1,250 Everett 4% bonds, due Nov. 1, 1921	1,510.00
		\$2,000 West End St. Ry. 4% bonds, due Aug. 1, 1932, and in- terest	1,250.00
		\$4,000 Winchester 3½% bonds, due Oct. 1, 1929, and in- terest	2,013.34
			4,011.66
			\$15,650.39

Disbursements

Jan. 1.	Bought of Sewerage Loan \$2,000 Boston & Maine R. R. Co. 4% bonds, due Sept. 1, 1926, and interest	\$2,027.44	
Apr. 16.	Bought of Park Loan \$4,000 Winchester 3½% bonds, due Oct. 1, 1929, and interest	4,002.83	
May 11.	Bought of Sewerage Loan \$9,000 Medford 4% Reg. bonds, due Nov. 1, 1932.....	9,000.00	
		<hr/>	\$15,029.77

1922

Jan. 1.	Cash on hand and deposited in Medford Trust Co.....	\$620.62
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Metropolitan Park Assessment Loan Fund invested as follows:

Old Colony R. R. Co. 3½% bonds, due July 1, 1932...	\$3,000.00
Town of Athol 4% bonds, due Aug. 1, 1932.....	1,000.00
Baltimore & Ohio R. R. Co. 3½% bonds, due July 1, 1925	500.00
Fitchburg R. R. Co. 4½% bonds, due Jan. 1, 1933.....	2,000.00
West End St. Ry. Co. 4½% bonds, due July 1, 1930....	1,000.00

City of Medford 4% Reg. bonds, due Nov. 1, 1932.....	\$9,000.00	
		\$16,500.00
Jan. 1, 1922. Total cash and securities		\$17,120.62

SCHOOLHOUSE IMPROVEMENT LOAN SINKING

Receipts

1921		
Jan. 1. Cash on hand.....	\$90.42	
Income from Invest- ments	386.50	
Income from bank deposit	2.64	
Appropriation from Taxes	500.00	
City of Boston paid	1,000.00	
		\$1,979.56

Disbursements

Jan. 12. Bought of Sewerage Loan \$1,000 Boston & Maine R. R. Co. 4% bond, due Sept. 1, 1926, and interest		\$1,013.72

1922

Jan. 1. Cash and hand de- posited in Medford Trust Co.		\$965.84
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Schoolhouse Improvement Loan fund invested
as follows:

Boston & Maine R. R. Co. 4% bonds, due Sept. 1, 1926..	\$4,000.00	
Providence & Springfield R. R. Co. 5% bonds, due July 1, 1922	2,000.00	
Liberty Loan No. 4, 4¼% bond, due Oct. 15, 1938.....	1,000.00	
City of Medford 4% bond, due July 1, 1926	1,000.00	
City of Medford 4% bond, due July 1, 1925	600.00	
	<hr/>	\$8,600.00
Jan. 1, 1922. Total cash and securities		\$9,565.84

CITY STABLES LOAN SINKING FUND

Receipts

1921		
Jan. 1.	Cash on hand.....	\$179.66
	Income from Invest- ments	480.00
	Income from bank deposit	3.93
	Appropriation from Taxes	320.00
Dec. 1.	Winchester bond paid	1,000.00
	<hr/>	\$1,983.59

1922

Jan. 1. Cash on hand deposited in Medford Trust Co.	\$1,983.59
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City Stables Loan Fund invested as follows:

Town of Belmont 4% bond, due Nov. 1, 1924.....	1,000.00	
City of Salem 4% bond, due Mar. 1, 1923.....	1,000.00	
Town of Great Barrington 4% bond, due Jan. 1, 1923....	1,000.00	
City of Malden 4% bond, due May 1, 1924.....	1,000.00	
City of Medford 4% bond, due May 1, 1924.....	7,000.00	
	<hr/>	\$11,000.00

1922

Jan. 1. Total cash and securities	\$12,983.59
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PERPETUAL CARE FUND

Receipts

1921

Jan. 1. Cash on hand.....	\$7,296.74	
Income from Investments	2,154.13	
Income from bank deposit	15.51	
Received from City	2,840.00	
Medford bond paid.	600.00	
	<hr/>	\$12,906.38

Disbursements

Jan. 16.	Bought \$6,300 U. S. Liberty Loan 4¼% bonds, due Oct. 1, 1938, @ 87.60 and interest	\$5,587.97	
May 21.	Bought \$1,500 U. S. Liberty bonds 4¼%, due Oct. 1, 1938, @ 87.30 and interest..	1,315.88	
Jan. 13.	Paid income to City	1,932.71	
			<hr/>
			\$8,836.56

1922

Jan. 1.	Cash on hand deposited in Medford Trust Co.....		\$4,069.82
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The Perpetual Care Fund is invested as follows:

Washington County, Me., Railway Company 3½% bonds, due Jan. 1, 1954.....	\$5,000.00
City of Boston 4% bonds, due July 1, 1937.....	2,000.00
Boston Elevated Railway 4% bond, due May 1, 1935....	1,000.00
New York, New Haven & Hartford R. R. 4% bond, due July 1, 1955.....	1,000.00
Chicago, Burlington & Quincy R. R. 4% bond, due March 1, 1958	1,000.00
City of Medford 4% bonds, due May 1, 1939.....	5,000.00
City of Medford 4% bonds, \$600 each, due July 1, 1926-32	4,200.00

City of Medford 4% bonds, \$600 each, due May 1, 1921-24	\$1,800.00	
Fitchburg R. R. Co. 4½% bonds, due Jan. 1, 1933...	4,000.00	
Old Colony R. R. 4% bond, due Jan. 1, 1938.....	1,000.00	
New York, New Haven & Hart- ford R. R. 4% bond, due March 1, 1947.....	2,000.00	
Illinois Central R. R. Western line 4% bonds, due Aug. 1, 1951	3,000.00	
Newark 4½% bond, due Feb. 1, 1944	1,000.00	
Boston & Albany R. R. Co. 5% bond, due July 1, 1938....	1,000.00	
Liberty Loan No. 2, 4¼% bonds, due Nov. 15, 1942..	5,000.00	
City of Medford 4½% bonds, \$500 each, due June 1, 1925-28	2,000.00	
Chicago, Burlington & Quincy R. R., Ill., Div., 3½% bond, due July 1, 1949.....	6,000.00	
Eastern St. R.way Co. 4½% bonds, due Jan. 1, 1948....	4,000.00	
Eastern St. R.way Co. 6% bonds, due April 1, 1925..	200.00	
Liberty Loan No. 4, 4¼% bonds, due Oct. 1, 1938....	7,800.00	
	<hr/>	\$58,000.00
Jan. 1, 1922. Total cash and securities		\$62,069.82

TRUST FUNDS

Receipts

1921			
Jan. 1.	Cash on hand.....	\$608.68	
	Income from Invest- ments	679.50	
	Income from bank deposit	8.16	
		<hr/>	\$1,296.34

Disbursements

Jan. 18.	Bought \$400 U. S. 4¼% bonds, due Oct. 1, 1938, @ 87.60 and interest	\$354.80	
Nov. 7.	Paid income to City	690.20	
		<hr/>	\$1,045.00

1922

Jan. 1.	Cash on hand de- posited in Medford Trust Co.		\$251.34
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The Trust Funds are invested as follows:

Chicago, Burlington & Quincy, Ill. Div., 3½% bonds, due July 1, 1949.....	\$3,000.00
New York, New Haven & Hart- ford R. R. 3½% bond, due April 1, 1954.....	500.00
Boston & Albany R. R. Co. 5% bond, due Oct. 1, 1963....	1,000.00
Boston Elevated St. Ry. Co. 4½% bond, due Nov. 1, 1941	2,000.00

Boston Elevated St. Ry. Co. 5% bond, due Dec. 1, 1942....	\$8,000.00	
Eastern St. Ry. Co. 4½% bonds, due Jan. 1, 1948.....	1,000.00	
Eastern St. Ry. Co. 6% bonds, due April 1, 1925.....	50.00	
U. S. Liberty Loan 4¼%, due Oct. 1, 1938.....	400.00	
	<hr/>	\$15,950.00
Jan. 1, 1922. Total cash and securities		<hr/> \$16,201.34

RECAPITULATION

Sinking Funds

1921

Jan. 1. Amount on hand....	\$462,797.81	
Income	18,969.38	
Appropriation from		
Taxes	5,060.00	
Discount and interest	1,343.24	
	<hr/>	\$488,170.43

Disbursements

Paid to City.....	\$42,200.00	
Paid Water Loan in- come	4,721.10	
	<hr/>	\$46,921.10

1922

Jan. 1. Amount on hand...		\$441,249.33
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Perpetual Care Fund—Recapitulation

1921

Jan. 1.	Amount on hand...	\$58,096.74	
	Income	2,169.64	
	Received from City.	2,840.00	
	Discount and interest	896.15	
		<hr/>	\$64,002.53

Disbursements

	Paid to City.....	<hr/>	\$1,932.71
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1922

Jan. 1.	Amount on hand.....		\$62,069.82
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Trust Funds—Recapitulation

1921

Jan. 1.	Amount on hand...	\$16,158.68	
	Income	687.66	
	Discount and interest	45.20	
		<hr/>	\$16,891.54

Disbursements

	Paid to City.....	<hr/>	\$690.20
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1922

Jan. 1.	Amount on hand...		\$16,201.34
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Report of Commissioners of Sinking Funds

On account of increased rates of interest and the consequent accumulation of funds, with the prospect of further accumulations, the Sinking Fund Commissioners have decided to make no call in 1922 for funds to be raised by taxation.

Respectfully submitted,

LEWIS H. LOVERING,
CHARLES H. BARNES,
WALTER F. CUSHING,
EVERARD I. LANGELL,
WILLARD DALRYMPLE,
WILLIAM CUSHING WAIT,

Commissioners of Sinking Funds.

TAX TITLES
ESTATES BOUGHT AT SALE FOR TAXES

1921

Assessed to	Property	Total	Year	Taxes	Interest	Costs	Sidewalk Assessment	Betterment Assessment	Water Assessment	Sewer Apportionment
William Williams.....	15 William St. Lot 13. 28.6 ft. Edgestone.....	52.68	1919		3.62	16.25	32.81			
Alice Hayes	157 George St. 3230 sq. ft. Lot No. 10.....	94.25	1919	82.52	3.98	7.75				
Maria Ambrogio	Windsor Rd. 3400 sq. ft. Lot No. 142.....	13.07	1919	4.41	.46	8.20				
Raymond M. Adams	Marston St. 4490 sq. ft. Lot No.....	68.97	1919	23.52	5.75	8.20			31.50	
Zebedee E. Cliff	Windsor Rd. 3400 sq. ft. Lot No. 141.....	12.87	1919	4.41	.46	8.00				
Walter T. Fuller.....	Arlington St. 4477 sq. ft. Lot No. 14.....	35.94	1919	23.52	2.04	8.00			1.78	
Helen K. Gerraughty	Douglas Rd. cor. Corey St. 198 sq. ft. S. pt. 44.....	9.84	1919	1.47	.16	8.00			.21	
Paolo Piermattei	203 Fulton St. to Earl Ave. 260,473 sq. ft.....	268.59	1919	235.20	25.19	8.20				
Joseph M. Tower	15 William St. 3400 sq. ft. Lot No. 13.....	92.46	1919	74.97	7.98	8.00			1.51	

ESTATES BOUGHT AT SALE FOR TAXES—Continued

1921

Assessed to	Property	Total	Year	Taxes	Interest	Costs	Sidewalk Assessment	Betterment Assessment	Water Assessment	Sewer Apportionment
Rena Alfeiri	Andover St. 3200 sq. ft. Lot No. 234.....	12.87	1919	4.41	.46	8.00				
John Slayton & Jas. Neal Trs. of Charles H. Bond....	Playstead Rd. Assess. No. 1110.....	118.10	1919		11.40	8.00		98.70		
John Wentworth, Trs.....	Part Lot D. Playstead Rd. Assess. No. 1111.....	263.86	1919		26.48	8.00		220.38		
John Wentworth, Trs.....	Part Lot E. Playstead Rd. Assess. No. 1112.....	406.58	1919		41.27	8.00		357.31		
Sidney L. Beals	Bowdoin St. 3492 sq. ft. Lot No. 82.....	8.82	1919	8.82						
Sidney L. Beals	Bowdoin St. 3492 sq. ft. Lot No. 85.....	8.82	1919	8.82						
Harry P. Chadwick	First St. 3040 sq. ft. Lot No. 3.....	7.35	1919	7.35						
Harry P. Chadwick	First St. 3040 sq. ft. Lot No. 4.....	7.35	1919	7.35						
Harry P. Chadwick	First St. 3040 sq. ft. Lot No. 5.....	7.35	1919	7.35						
Harry P. Chadwick	Lewis St. 3420 sq. ft. Lot No. 16.....	17.44	1919	10.20	.85				1.33	4.97

ESTATES BOUGHT AT SALE FOR TAXES—Continued

Assessed to	Property	Total	Year	Taxes	Interest	Costs	Sidewalk Assessment	Betterment Assessment	Water Assessment	Sewer Apportionment
Charles E. Curtis	Lawrence St. cor. Pinkert 4405 sq. ft. Pt. 23.....	21.25	1919	16.17					5.08	
Alvah L. Falla.....	Watervale Rd. 4934 sq. ft. Lot No. 56.....	5.88	1919	5.88						
John M. Falla.....	Watervale Rd. 4589 sq. ft. Lot No. 55.....	5.88	1919	5.88						
Julia E. Fuller.....	Bow Terrace. 1710 sq. ft. Lot No. 3.....	4.41	1919	4.41						
Julia E. Fuller.....	Bow Terrace. 1710 sq. ft. Lot No 6.....	4.41	1919	4.41						
Julia E. Fuller.....	Hillside Road. 1970 sq. ft. Lot No. 12.....	5.88	1919	5.88						
Walter T. Fuller.....	Bow Terrace. 1877 sq. ft. Lot No. 4.....	5.88	1919	5.88						
Samuel H. Helen.....	Paris St. 320 sq. ft.....	1.54	1919	1.47					.07	
Fred C. Tobey Land Co....	Yale St. cor. Colby St. 498 sq ft.....	2.94	1919	2.94						
Charles H. Hill.....	Rand St. 5888 sq. ft. Lot No. 43.....	2.94	1919	2.94						
Walter D. Hannigan.....	Winchester St. 169 sq. ft. S. E. Pt. 19.....	1.54	1919	1.47					.07	

ESTATES BOUGHT AT SALE FOR TAXES—Continued

1921

Assessed to	Property	Total	Year	Taxes	Interest	Costs	Sidewalk Assessment	Betterment Assessment	Water Assessment	Sewer Apportionment
Andrew Kerr	Rand St. 4150 sq. ft. Lot No. 37.....	2.94	1919	2.94						
Henry A. Litchfield.....	Arlington St. 4000 sq. ft. Lot No. 22.....	2.94	1919	2.94						
Mary A. Mooney.....	Sheridan Ave. (rear) 301 sq. ft. Lot E. Pt. 8.....	1.47	1919	1.47						
Mary A. Mooney.....	Sheridan Ave. (rear) 280 sq. ft. Lot E. Pt. 7.....	1.47	1919	1.47						
New England Realty Co...	Capen St. 3673 sq. ft. Lot No. 13.....	16.80	1919	14.70					2.10	
Nellie M. Naughton.....	Fellsway. 6210 sq. ft. lot S. Pt. 96.....	1.47	1919	1.47						
Nellie M. Naughton.....	Fellsway. 5110 sq. ft. lot S. Pt. 97.....	1.47	1919	1.47						
Lewis A. Rich.....	Hall St. 10,224 sq. ft. Lot No. 31.....	5.88	1919	5.88						
Mary M. Sullivan.....	Burnside St. 4900 sq. ft. Lot No. 18.....	20.78	1919	14.70	1.29		12.08		1.71	
Mary M. Sullivan.....	Burnside St. 4000 sq. ft. Lot No. 19.....	29.98	1919	14.70	1.31		12.25		1.72	
Kendall Williamson	Lewis St. 3100 sq. ft.	13.97	1919	10.29					3.68	

1921

ESTATES BOUGHT AT SALE FOR TAXES—Continued

Assessed to	Property	Total	Year	Taxes	Interest	Costs	Sidewalk Assessment	Betterment Assessment	Water Assessment	Sidewalk Apportionment
Kendall Williamson	Court St. cor. Lewis St. 1720 sq. ft.....	10.68	1919	5.88					4.80	
Robert C. Orpin.....	Lewis St. 2007 sq. ft. Lot No. 15.....	13.94	1919	7.35	.77				1.40	4.42
Robert C. Orpin.....	Waddell St. 1330 sq. ft.	.74	1919	.74						
Robert C. Orpin.....	Waddell St. 620 sq. ft.	.73	1919	.73						
Robert C. Orpin.....	Off Myrtle St. 450 sq. ft.	1.47	1919	1.47						
Edward J. Doherty.....	Usher Road. 430 sq. ft....	3.01	1919	2.94					.07	
Laura M. Westall.....	Riverside Ave. cor. Carolina St. 1996 sq. ft.....	5.95	1919	5.88					.07	

Report of the City Collector

Medford, Mass., January 1, 1922.

Honorable Benjamin F. Haines,

Mayor of the City of Medford, Massachusetts.

Dear Sir:—

I respectfully submit the following report of the collections in this department for the year ending December 31st, 1921.

Taxes of 1921

Total of Warrants.....	\$1,513,386.48	
Collected and paid Treasurer		\$1,034,113.43
Abated		8,147.08
Uncollected January 1, 1922..		471,125.97
	<hr/>	<hr/>
	\$1,513,386.48	\$1,513,386.48

Taxes of 1920

Uncollected January 1, 1921..	\$348,996.84	
Transferred to December Tax 1920	8.94	
Collected and paid Treasurer..		\$283,567.23
Abated		1,415.27
Uncollected January 1, 1922..		64,023.28
	<hr/>	<hr/>
	\$349,005.78	\$349,005.78

Taxes of 1919

Uncollected January 1, 1921..	\$64,505.19	
Collections after abatement...	8.00	
Erroneous Credit.....	15.39	
Poll Tax abated twice.....	2.00	
Collected and paid Treasurer..		\$62,999.36
Abated		1,079.24
Erroneously credited to Interest .....		.62
Uncollected January 1, 1922..		451.36
	<hr/>	<hr/>
	\$64,530.58	\$64,530.58

Taxes of 1918

Uncollected January 1, 1921..	\$1,411.31	
Collections after abatement...	2.00	
Erroneously credited.....	12.05	
Taxes collected twice.....	6.00	
Collected and paid Treasurer..		\$328.31
Abated		1,096.85
Transferred from 1917 Taxes to adjust overpayment.....		2.00
Uncollected January 1, 1922...		4.20
	<hr/>	<hr/>
	\$1,431.36	\$1,431.36

Taxes of 1917

Uncollected January 1, 1921..	\$2.72	
Collections after abatement...	4.00	
Taxes collected twice.....	7.21	
Transferred to 1918 Taxes....	2.00	
Collected and paid Treasurer		\$14.98
Uncollected January 1, 1922..		.95
	<hr/>	<hr/>
	\$15.93	\$15.93

December Taxes 1921

Warrant	\$1,735.36	
Collected and paid Treasurer..		\$135.52
Abated		1,550.56
Uncollected January 1, 1922..		49.28
	<hr/>	<hr/>
	\$1,735.36	\$1,735.36

December Taxes 1920

Uncollected January 1, 1921..	\$433.59	
Collected and paid Treasurer..		\$360.58
Erroneously credited to 1920 Taxes		8.94
Uncollected January 1, 1922...		64.07
	<hr/>	<hr/>
	\$433.59	\$433.59

Street Watering Assessments

Uncollected January 1, 1921..	\$1,327.13	
Collected 1919 Account		\$1,080.88
Collected 1918 Account.....		24.85
Collected 1917 Account.....		2.24
Abated 1919 Account.....		46.94
Abated 1918 Account.....		37.85
Abated 1917 Account.....		82.16
Erroneously credited to Taxes 1919		15.39
Erroneously credited to Taxes 1918		12.05
Uncollected January 1, 1922...		24.77
	<hr/>	<hr/>
	\$1,327.13	\$1,327.13

Mosquito Assessment 1913

Uncollected January 1, 1921..	\$3,481.72	
Uncollected January 1, 1922..		\$3,481.72
	<hr/>	<hr/>
	\$3,481.72	\$3,481.72

Sewer Assessments

Uncollected January 1, 1921...	\$366.96	
Entry to adjust additional un- collected	29.82	
Schedule No .147 committed..	6,139.70	
Apportioned		\$1,578.49
Abated		101.37
Collected and paid Treasurer..		2,490.49
Uncollected January 1, 1922..		2,366.13
	<hr/>	<hr/>
	\$6,536.48	\$6,536.48

Sewer Apportionments

Uncollected January 1, 1921....	\$260.29	
Warrant for 1921.....	311.63	
Transferred to Sidewalk Ap- portionment 1920.....	6.07	
Apportionments paid in ad- vance	53.60	
Collected 1921 Account and paid Treasurer		\$254.97
Collected 1920 Account and paid Treasurer		184.15
Collected 1919 Account and paid Treasurer		29.02
Collected 1918 Account and paid Treasurer		7.08
Erroneously credited to Side- walk Appor. 1920.....		5.92

Appor.—paid in advance—col- lected and paid Treasurer		\$53.60
Uncollected January 1, 1922..		96.85
	<hr/>	<hr/>
	\$631.59	\$631.59

Sewer Connections

Uncollected January 1, 1921..	\$2,857.89	
Schedules Nos. 155-158 inclu- sive committed	13,316.99	
Apportioned		\$2,644.67
Added to 1921 Taxes.....		4,382.14
Collected and paid Treasurer..		4,263.51
Uncollected January 1, 1922..		4,884.56
	<hr/>	<hr/>
	\$16,174.88	\$16,174.88

Sewer Connection Apportionments

Uncollected January 1, 1921...	\$516.60	
Warrant for 1921.....	1,810.36	
Apportionments paid in ad- vance	319.62	
Refund through Treasurer....	27.04	
Collected 1921 Account and paid Treasurer		\$1,191.09
Collected 1920 Account and paid Treasurer		472.22
Collected 1919 Account and paid Treasurer		29.98
Appor. pd. in adv.—Collected and paid Treasurer.....		319.62
Uncollected January 1, 1922..		660.71
	<hr/>	<hr/>
	\$2,673.62	\$2,673.62

Sewer Connections Added to Taxes

Uncollected January 1, 1921..	\$1,280.29	
Warrant for 1921.....	4,382.14	
Collected 1921 Account and paid Treasurer		\$1,496.79
Collected 1920 Account and paid Treasurer		820.69
Collected 1919 Account and paid Treasurer		129.04
Uncollected January 1, 1922...		3,215.91
	<hr/>	<hr/>
	\$5,662.43	\$5,662.43

Sewer Construction—Special

Unsettled January 1, 1921....	\$2.28	
Committed during 1921.....	56.45	
Collected and paid Treasurer..		\$56.45
Unsettled January 1, 1922....		2.28
	<hr/>	<hr/>
	\$58.73	\$58.73

Sidewalk Assessments

Uncollected January 1, 1921..	\$6,235.04	
Committed during 1921.....	10,428.13	
Re-assessed	111.96	
Refund through Treasurer....	31.50	
Apportioned		\$2,178.87
Abated		969.47
Collected and paid Treasurer..		8,716.68
Uncollected January 1, 1922...		4,941.61
	<hr/>	<hr/>
	\$16,806.63	\$16,806.63

Sidewalk Apportionments

Uncollected January 1, 1921..	\$1,013.14
Warrant for 1921.....	1,995.17

Transferred to Sewer Appor. 1920	\$5.92	
Refund through Treasurer....	5.00	
Apportionments paid in ad- vance	394.52	
Collected 1921 Account and paid Treasurer		\$1,366.08
Collected 1920 Account and paid Treasurer		713.71
Collected 1919 Account and paid Treasurer		124.19
Collected 1918 Account and paid Treasurer		16.34
Erroneously credited to Sewer Appor. 1920		6.07
Appor. paid in advance—col- lected and paid Treasurer		394.52
Uncollected January 1, 1922..		792.84
	<hr/>	<hr/>
	\$3,413.75	\$3,413.75

Sidewalk Applications

Committed during 1921.....	\$4,608.03	
Collected and paid Treasurer..		\$3,870.33
Unsettled January 1, 1922.....		737.70
	<hr/>	<hr/>
	\$4,608.03	\$4,608.03

Betterment Assessments

Uncollected January 1, 1921...	\$6,578.92	
Committed during 1921.....	6,245.06	
Apportioned		\$3,437.23
Abated		177.75
Collected and paid Treasurer.		4,792.33
Uncollected January 1, 1922...		4,416.67
	<hr/>	<hr/>
	\$12,823.98	\$12,823.98

Betterment Apportionments

Uncollected January 1, 1921..	\$1,357.99	
Warrant for 1921.....	2,017.00	
Apportionments paid in advance	1,087.76	
Collected 1921 Account and paid Treasurer		\$1,386.96
Collected 1920 Account and paid Treasurer		820.04
Collected 1919 Account and paid Treasurer		51.93
Abated 1920 Account and paid Treasurer		175.33
Abated 1919 Account and paid Treasurer		147.33
Appor. paid in advance—collected and paid Treasurer.		1,087.76
Uncollected January 1, 1922..		793.40
	<hr/>	<hr/>
	\$4,462.75	\$4,462.75

Water Connections

Unsettled January 1, 1921....	\$4,072.91	
Committed during 1921.....	5,023.63	
Collected and paid Treasurer..		\$5,151.68
Unsettled January 1, 1922....		3,944.86
	<hr/>	<hr/>
	\$9,096.54	\$9,096.54

Water Service

Collected during 1921.....	\$96,190.74	
Paid Treasurer		\$96,190.74
	<hr/>	<hr/>
	\$96,190.74	\$96,190.74

Care of Oak Grove Cemetery

Collected during 1921.....	\$332.13	
Paid Treasurer		\$332.13
	<hr/>	<hr/>
	\$332.13	\$332.13

Costs

Taxes of 1917.....	\$2.75	
Taxes of 1918.....	12.30	
Taxes of 1919.....	920.15	
Taxes of 1920.....	762.15	
Taxes of 1921.....	589.20	
Betterment Assessments	29.40	
Sewer Assessments .....	.50	
Sidewalk Assessments	19.00	
Transferred to Constables' Fees and Expenses to adjust error	9.80	
Paid Treasurer		\$2,345.25
	<hr/>	<hr/>
	\$2,345.25	\$2,345.25

Constables' Fees and Expenses

Taxes of 1918	\$1.50	
Taxes of 1919	30.00	
Taxes of 1920	367.90	
Transferred from Costs.....		\$9.80
Paid Treasurer		389.60
	<hr/>	<hr/>
	\$399.40	\$399.40

Miscellaneous Collections Credited To:

Ashes	\$208.30	
Auditing Department Equip- ment	25.00	

Board of Survey.....	\$45.00
Care of Oak Grove Cemetery..	3,517.65
City Clerk's Department Ex- penses	33.00
City Debt	63.32
City Hall	16.74
City Home	1,779.18
Collecting Department Ex- penses	26.56
Collection House Offal.....	5,775.00
Contageous Diseases	123.43
Electrical Department Ex- penses	75.73
Engineering Department Ex- penses	2,543.17
Evening School	97.92
Fire Alarm Signal System Equipment	256.55
Fire and Police Signals.....	752.32
Fulton Heights Schoolhouse...	170.08
General Expenses—Health De- partment	1,590.00
General Expense—School De- partment	1,936.05
General Repairs of Highways.	1,241.93
Income from Trust Funds.....	690.20
Interest	1,294.93
Land Court Expenses.....	129.25
Law Department Expenses....	14.00
Mayor's Miscellaneous Account	43.08
Medford Purchasing Depart- ment Expenses	23.38
Military Aid	15.00
Miscellaneous Credits	7,788.81
Outside Relief	177.00
Ordinary Expenses—Fire De- partment	11.36

Public Commons	\$18.00	
Public Library	878.29	
Salaries of Firemen	11.54	
Sewer Construction	859.40	
Sewer Maintenance	4.50	
Sidewalks, and Edgestones Construction	16.80	
Sidewalks and Edgestones Maintenance	783.15	
Soldiers' Relief	193.00	
Special Fund	328.11	
State Aid	10.00	
Surface Drains Construction..	116.25	
Tax Titles	700.00	
Text-Books and Supplies	545.58	
Watering Streets	240.00	
Paid Treasurer		\$35,168.56
	<hr/>	<hr/>
	\$35,168.56	\$35,168.56

Interest

Taxes of 1917	\$3.80
Poll Taxes of 1918.....	.56
Taxes of 1918.....	58.77
Poll Taxes of 1919.....	1.40
Taxes of 1919.....	6,176.77
Poll Taxes of 1920.....	37.08
Taxes of 1920.....	10,215.33
Poll Taxes of 1921.....	8.51
Taxes of 1921.....	1,453.05
Betterment Assessments	304.38
Betterment Apportionments— paid in advance	50.55
Sewer Assessments	23.59
Sewer Apportionments—paid in advance	3.67
Sewer Connections	9.13

Sewer Connection Apportionments—paid in advance...	\$8.08	
Sidewalk Assessments	269.91	
Sidewalk Apportionments—paid in advance.....	19.07	
Transferred to 1919 Taxes to adjust error .....	.62	
Refund	8.93	
Paid Treasurer		\$18,653.20
	<hr/>	<hr/>
	\$18,653.20	\$18,653.20

Accrued Interest on Sewer Apportionments

Uncollected January 1, 1921...	\$44.22	
Warrant for 1921.....	48.42	
Transferred to Sidewalk Appor. Int. 1920.....	3.27	
Collected 1921 Account and paid Treasurer		\$39.24
Collected 1920 Account and paid Treasurer		31.24
Collected 1919 Account and paid Treasurer		5.37
Collected 1918 Account and paid Treasurer .....		.90
Erroneously credited to Sidewalk Appor. Interest 1920		1.32
Uncollected January 1, 1922...		17.84
	<hr/>	<hr/>
	\$95.91	\$95.91

Accrued Interest on Sewer Connection Apportionments

Uncollected January 1, 1921..	\$99.49
Warrant for 1921	345.58
Refund through Treasurer....	3.72

REPORT OF CITY COLLECTOR

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Collected 1921 Account and paid Treasurer		\$219.54
Collected 1920 Account and paid Treasurer		92.04
Collected 1919 Account and paid Treasurer		5.11
Uncollected January 1, 1922...		132.10
	<hr/>	<hr/>
	\$448.79	\$448.79

Accrued Interest on Sewer Connections Added to Taxes

Uncollected January 1, 1921...	\$44.65	
Warrant for 1921.....	110.89	
Collected 1921 Account and paid Treasurer.....		\$29.45
Collected 1920 Account and paid Treasurer		29.39
Collected 1919 Account and paid Treasurer		2.89
Uncollected January 1, 1922..		93.81
	<hr/>	<hr/>
	\$155.54	\$155.54

Accrued Interest on Sidewalk Apportionments

Uncollected January 1, 1921...	\$184.79	
Warrant for 1921.....	414.20	
Transferred to Sewer Appor. Int. 1920	1.32	
Refund through Treasurer 1920	.83	
Collected 1921 Account and paid Treasurer		\$279.84
Collected 1920 Account and paid Treasurer		134.32
Collected 1919 Account and paid Treasurer		14.19

Collected 1918 Account and paid Treasurer		\$.90
Erroneously credited to Sewer Appor. Int. 1920.....		3.27
Uncollected January 1, 1922..		168.62
	<hr/>	<hr/>
	\$601.14	\$601.14

Accrued Interest on Betterment Apportionments

Uncollected January 1, 1921...	\$275.19	
Warrant for 1921.....	288.72	
Collected 1921 Account and paid Treasurer		\$200.18
Collected 1920 Account and paid Treasurer		181.98
Collected 1919 Account and paid Treasurer		18.93
Abated 1920 Account		31.53
Abated 1919 Account.....		17.67
Uncollected January 1, 1922..		113.62
	<hr/>	<hr/>
	\$563.91	\$563.91

Total Collections

Taxes	\$1,381,023.31
December Taxes	496.10
Street Watering	1,107.97
Sewer Assessments	2,490.49
Sewer Apportionments	475.22
Sewer Apportionments paid in advance	53.60
Sewer Connections	4,263.51
Sewer Connection Apportion- ments	1,693.29
Sewer Connection Apportion- ments paid in advance...	319.62

Sewer Connections added to taxes	\$2,446.52
Sewer Construction—Special..	56.45
Sidewalk Assessments	8,716.68
Sidewalk Apportionments	2,220.32
Sidewalk Apportionments paid in advance	394.52
Sidewalk Applications	3,870.33
Betterment Assessments	4,792.33
Betterment Apportionments...	2,258.93
Betterment Apportionments paid in advance.....	1,087.76
Interest on Taxes and Assessments	18,653.20
Costs on Taxes and Assessments	2,345.25
Constables' Fees and Expenses	389.60
Accrued Interest on Sewer Apportionments	76.75
Accrued Interest on Sewer Conn. Apportionments ...	316.69
Accrued Interest on Sewer Conn. Added to Taxes....	61.73
Accrued Interest on Sidewalk Apportionments	429.25
Accrued Interest on Betterment Apportionments.	401.09
Water Connections	5,151.68
Water Service	96,190.74
Care of Oak Grove Cemetery..	332.13
Miscellaneous Collections	35,168.56
<hr/>	
Total Amount collections from January 1, 1921, to January 1, 1922	\$1,577,283.62

Uncollected

Taxes	\$535,605.76
December Taxes	113.35
Street Watering	24.77
Mosquito Assessments	3,481.72
Sewer Assessments	2,366.13
Sewer Apportionments	96.85
Sewer Connections	4,884.56
Sewer Connections Apportioned	660.71
Sewer Connections added to taxes	3,215.91
Sewer Construction—Special..	2.28
Sidewalk Assessments	4,941.61
Sidewalk Apportionments	792.84
Sidewalk Applications	737.70
Betterment Assessments	4,416.67
Betterment Apportionments...	793.40
Accrued Int. on Sewer Apportionments	17.84
Accrued Int. on Sewer Conn. Apportionments	132.10
Accrued Int. on Sewer Conn. added to Taxes	93.81
Accrued Int. on Sidewalk Apportionments	168.62
Accrued Int. on Betterment Apportionments	113.62
Water Connections	3,944.86
Almshouse or City Home.....	88.30
Ashes	454.94
City Debt	112.00
City Hall	39.05
Collection of House Offal.....	1,500.00
Contagious Diseases	813.38
Electrical Department Expenses	78.22

Engineering Department Expenses	\$175.22	
Fire Alarm Signal System....	740.00	
Food Production and Conservation	178.25	
Fulton Heights School.....	13.00	
General Expenses—School Department	544.25	
General Repairs of Highways.	403.77	
Guide Boards and Signs.....	2.75	
Gypsy and Brown Tail Moths.	201.87	
Health Department Expenses..	681.60	
Income from Estates Taken for Taxes	22.50	
Interest	7.77	
Miscellaneous Credits	98.28	
Outside Relief	5,393.55	
Public Commons	18.00	
Purchasing Department Expenses	2.50	
Sewer Construction	2,411.76	
Sewer Maintenance	46.73	
Sidewalks and Edgestones....	1,819.50	
Soldiers' Relief	60.00	
Surface Drains	8.50	
Trees	3.00	
<hr/>		
Total amount uncollected January 1, 1922.....		\$582,523.80

Under Chapter 13 of the Revised Laws as Amended by Chapter 443 of the Acts of 1902 for the Redemption of Tax Titles:

Unsettled January 1, 1921....	\$19.28	
Collected during 1921.....	2,495.33	
Paid City		\$13.00

REPORT OF CITY COLLECTOR

Paid Parties holding Titles....		\$2,318.74
Unsettled January 1, 1922....		182.87
	<hr/>	<hr/>
	\$2,514.61	\$2,514.61

Respectfully submitted,

EDWARD W. HAYES,
City Collector.

Report of the Board of Assessors

January 1, 1922.

Honorable Benjamin F. Haines,
Mayor of the City of Medford.

Dear Sir:

We, the Board of Assessors, herewith submit our Annual Report for the year ending December 31, 1921.

Warrants have been received for the assessment of taxes in the City of Medford for the year 1921 as follows:

A State Warrant for the City of Medford's part of a State Tax under Chapter 492, Acts of 1921, of.....	\$99,120.00	
Also under Chapter 36, Resolves of 1920 of.....	205.14	
	<hr/>	\$99,325.14
A County Warrant for the Tax of Middlesex County for County purposes.....		56,634.86
A State Warrant for Metropolitan Sewer Tax, Chapter 439, Acts of 1889.....		45,955.13
A State Warrant for the Metropolitan Park and Boulevard Tax.....		25,865.79
A State Warrant for the Charles River Basin Tax		4,044.42
A State Warrant for the cost of reconstruction and maintenance of Wellington Bridge		4,718.14

A State Warrant for Fire Prevention Tax..	369.77
A State Warrant for State Highway Tax....	185.11
A State Warrant for Special War Bonus Tax	4,672.80
A State Warrant for Eastern Massachusetts Street Railway Tax.....	1,161.83
A City Warrant for Tax of City of Medford for City Purposes	1,335,703.13
For the Abatement of Uncol- lected Taxes of 1918.....	\$1,034.99
For the Abatement of Uncol- lected Taxes of 1919	377.27
	<hr/>
	1,412.26
For Overlay Account	18,436.61
	<hr/>
	\$1,598,484.99

The Rate of Taxation required to raise the amount of the several Warrants and Overlay (less estimated receipts) was determined by the Board of Assessors to be \$35.20 per \$1,000 and the same was provided for as follows:

Income from 10,623 Polls.....	\$21,246.00
From Real Estate at \$35.20 per \$1,000.....	1,348,804.16
From Personal Estate at \$35.20 per \$1,000....	111,596.32
From Credits, Income Tax from State.....	53,391.51
Income from School Fund, Chapter 363, Gen- eral Acts 1919	41,251.60
Income from Corporation Tax.....	17,487.63
Income from Bank Tax.....	4,707.77
	<hr/>
	\$1,598,484.99

Number of Polls and Valuation of the City by Wards,
April 1, 1921:

	Polls	Personal Estate	Real Estate	
			Bldgs.	Land
Ward 1	1,686	\$ 202,500	\$3,542,650	\$1,282,250
Ward 2	1,551	260,200	3,150,450	1,499,200
Ward 3-1	1,002	1,436,850	4,689,950	3,143,500
Ward 3-2	304	20,500	510,950	455,750
Ward 4-1	957	171,300	2,103,800	862,000
Ward 4-2	834	52,650	1,485,100	552,600
Ward 5-1	1,138	143,350	3,073,100	796,000
Ward 5-2	1,623	127,600	2,893,400	895,400
Ward 6-1	1,460	344,400	3,794,200	1,969,150
Ward 6-2	772	118,950	2,386,850	681,350
Ward 7-1	322	82,550	622,350	391,100
Ward 7-2	551	209,500	1,643,850	811,850
Totals	12,200	\$3,170,350	\$29,896,650	\$13,340,150

Exempted Polls:

Veterans of the Civil War	58	Exempted	\$5.00
Veterans of the World War	1,513	Exempted	5.00
Veterans of the Spanish War	93	Exempted	3.00
Persons unable to pay	6	Exempted	5.00

Out of the amount committed to the Tax Collector for Poll Taxes, \$31,590 has been reserved to pay to the State as required by Chapter 283, Sections 13, 14 and 15 of the General Acts of 1919, known as the Bonus Act.

Total Assessed Personal Estate	\$3,170,350.00
Total Assessed Real Estate	43,236,800.00
	<u>\$46,407,150.00</u>
Less City and Exempted Property (Churches, etc.)	4,918,500.00
Total Taxable Valuation April 1, 1921	\$41,488,650.00
Number of Militia (between 18 and 45 years of age)	8,591
Number of Assessed Polls	12,200

Tax on each Poll.....	\$5.00
Number of Horses	161
Number of Cows.....	150
Number of Neat Cattle other than Cows.....	2
Number of Automobiles	2,270
Number of Motor Boats.....	59
Number of Dwelling Houses.....	6,683
Population as found by Assessors, April 1, 1921....	40,514

Amount of Taxes committed to the Tax Collector for the year 1921:

Polis	\$52,836.00
Personal Estate	111,596.32
Real Estate	1,348,804.16
Sewer Apportionments	311.63
Sewer Apportionments Interest.....	48.42
Betterments Apportionments	2,017.00
Betterment Apportionments Interest.....	288.72
Sidewalk Apportionments	1,995.17
Sidewalk Apportionments Interest.....	414.20
House Connection Assessments.....	4,382.14
House Connection Assessments Interest....	110.89
House Connection Apportionments.....	1,810.36
House Connection Apportionments Interest.	345.58

Total amount committed to Tax Collector in Original Warrants and added to Taxes of 1921

\$1,524,960.59

Taxes of 1921

Supplementary Warrants:

Polis	\$150.00
Personal	1,728.32
Real Estate	7.04
	<hr/>
	\$1,885.36

Total amount of Warrants committed to Tax Collector in

1921

\$1,526,845.95

Value of Exempted Property

Literary Institutions	\$133,150.00
Benevolent Institutions	32,750.00
Charitable Institutions	2,050.00
Scientific Institution	781,750.00
Houses of Religious Worship..	763,050.00
Commonwealth of Massachu- setts	40,400.00
Veterans of the Civil War.....	33,000.00
City of Medford.....	3,132,350.00

Total amount of Exempted
Property \$4,918,500.00

Number of Residents assessed on Property:

Individuals	5,535
All others (firms, etc.)....	1,596

Total 7,131

Number of Non-residents assessed on Property:

Individuals	1,138
All others	345

Total 1,483

Total number of persons assessed on Prop-
erty 8,614

Number of Persons assessed for Poll Tax
only 8,688

Total number of Persons assessed on Prop-
erty and Polls 17,302

APPORTIONMENTS**Sewers**

January 1, 1922, there remain on the books of the Assessors Sewer Apportionments amounting to \$1,997.50 to be added to taxes of future years by the Board of Assessors.

House Connections

January 1, 1922, there remain on the Books of the Assessors House Connection Apportionments amounting to \$5,188.17 to be added to taxes of future years by the Board of Assessors.

Sidewalks

January 1, 1922, there remain on our Books Sidewalk Apportionments to be added to taxes of future years by the Board of Assessors amounting to.....	\$5,803.38
Under Chapter 80, Sections 13 and 14 of the General Laws, apportionments have been made by the Board of Assessors and committed to the Collector to be added by him to taxes of future years, amounting to	822.30
	<hr/>
Total amount of Sidewalk Apportionments to be added	\$6,625.68

Betterments

January 1, 1922, there remain on our books Betterment Apportionments to be added to taxes of future years by the Board of Assessors amounting to.....	\$4,290.17
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Under Chapter 80, Sections 13 and 14 of the General Laws, Apportionments have been made by the Board of Assessors and committed to the Collector to be added by him to taxes of future years amounting to

	1,396.16
Total amount of Betterment Apportionments to be added.....	\$5,686.33

Abatements

Polls, Personal and Real Estate

Taxes of 1918.....	\$1,096.85
Taxes of 1919.....	1,079.24
Taxes of 1920.....	1,415.27
Taxes of 1921.....	8,147.08
December Assessment of 1921.....	1,664.96

Street Watering

Assessments of 1917.....	\$82.16
Assessments of 1918.....	37.85
Assessments of 1919.....	46.94

Respectfully submitted,

EDWARD S. RANDALL,
JOHN A. RICKER,
WALDO S. PLASTRIDGE,

Board of Assessors of the City of Medford.

Report of the Board of Survey

Medford, Mass., January 16, 1922.

Honorable Benjamin F. Haines,
Mayor of the City of Medford.

Dear Sir:

The Board of Survey hereby submits its third annual report.

There were seven office meetings held during the year as well as numerous field meetings and views.

Petitions for approval of various streets were received from:

Susan and George R. Kerr
Ralph P. Sylvester
Lyman Sise, trustee.

Seventeen petitions for acceptances for various streets were transmitted to the Board of Survey by the Board of Aldermen, but in no case was plan required by the Statutes and Ordinances sent with the same; and the petitioners were notified to furnish the plans and action deferred until their receipt.

Location, line and grade for the following streets petitioned for, in connection with the development of various tracts of land, were approved:

Tesla Avenue Petitioners Brayley & Knowles

This has been held in abeyance since 1917, owing to the fact that Mr. Knowles was in the United States service and consequently could not attend to this matter.

Beech Street	}	Petitioners, Susan and George R. Kerr
Abbotsford Road		
Fellsvie Avenue		
Fulton Spring Rd. Ext.		

Boynton Road—from High Street northerly to the Sise property,—Petitioner, Ralph P. Sylvester.

Chandler Road	}	Petitioner, Albert P. Tenney
Dover Street		
Suffolk Street		
Ware Street		

These four streets were left over from last year as the width of the streets as presented at that time did not comply with the Ordinances of the City of Medford. The Ordinances having been changed and giving to the Board of Survey certain discretionary powers as to the widths necessary, the Board considered that the streets as originally shown were sufficient to meet the requirements of the section wherein they were located.

Boynton Road and Ware Street are still held in abeyance awaiting solution by the petitioners of an outlet for Ware Street.

Of the petitions for street acceptances sent by the Board of Aldermen, one street, Hillsboro Terrace, being only twenty feet in width, did not in any manner conform to the requirements of the City Ordinances and the Board of Aldermen was so notified.

The Board of Aldermen provided for plans of seven of these petitions.

The Newton Road petitioners filed a plan for this street.

The following streets were approved for acceptance:

Frederick Avenue	Hill Avenue
Newton Road	Columbus Avenue
Jackson Street (Revised plan)	Billings Avenue
Spring Street Extension	

Hearings were given on all these various propositions, all interested parties have been notified of the same, and had an opportunity to be heard thereon.

Some questions as to the interpretation of the Board of Survey Act and the City Ordinances in connection therewith have arisen and the opinion of the City Solicitor has been requested on these points and we wish to extend our thanks to him for his prompt replies.

Financial Statement

Balance, January 1, 1921.....	\$173.92	
Appropriations	200.00	
Deposits of petitioners.....	45.00	
		\$418.92
Expenditures:		
Advertising	\$68.50	
Engineering	16.98	
Equipment	7.00	
Printing and Stationery.....	7.75	
Refunds	77.66	
Balance	241.03	
		\$418.92

LEROY H. ROBBINS,
ALBERT W. TURNER,
EDWARD J. GAFFEY,

Board of Survey.

Report of the Building Commissioner

Medford, Mass., January 16, 1922.

To the Honorable Benjamin F. Haines,
Mayor of Medford, Massachusetts.

Dear Sir:

As required by the City Charter, I submit the annual report for the year ending December 31, 1921.

The whole number of Applications for Building permits was five hundred and eighty-five (585). The estimated cost of this work was one million three hundred and forty-eight thousand one hundred and ninety-one dollars (\$1,348,191.00) of the Permits issued.

Estimated Cost of Same

113	were permits for 1 family dwellings....	\$446,200.00
58	“ “ “ 2 family dwellings...	407,900.00
267	“ “ “ private garages.....	125,870.00
12	“ “ “ public garages.....	56,150.00
124	“ “ “ additions and repairs.	197,871.00
2	“ “ “ repairs after fires....	2,000.00
2	“ “ “ block of three stores each	16,000.00
2	“ “ “ filling stations	1,200.00
1	was “ “ Post Office Building..	20,000.00
1	“ “ “ block of eight stores..	20,000.00
1	“ “ “ block of fifteen apart- ments	40,000.00
1	“ “ “ Church	10,000.00
1	“ “ “ block of two stores...	5,000.00
<hr/> 585 Total permits. Total estimates cost....		<hr/> \$1,348,191.00

Permits by Wards

Ward 1.....	62
Ward 2.....	76
Ward 3.....	138
Ward 4.....	77
Ward 5.....	97
Ward 6.....	86
Ward 7.....	49
	<hr/>
Total permits	585

Inspections

During the month of April I inspected all the Lodging Houses, Dormitories and Hotels in the City and reported the condition of each to the Chief of the District Police in compliance with Sections 23 and 33 of the Chapter 104 of the Revised Law 1890. Also during the year I have inspected fifteen (15) Freight and one (1) Passenger Elevators and sent reports on the same to the Department of Public Safety, State House, Boston.

Recommendations

I would recommend that the sum of four hundred and sixty dollars (\$460.00) be appropriated for the General Expenses for this Department for the coming year.

Respectfully submitted,

FRANK B. BLODGETT,

Commissioner of Buildings.

Report of the City Engineer

Medford, Mass., January 6, 1922.

Honorable Benjamin F. Haines,
Mayor, Medford, Mass.

Dear Sir:

I have the honor to submit to you the twenty-eighth annual report of the Civil Engineering Department of the City of Medford for the year ending December 31, 1921.

Financial Statement

Appropriation, Jan. 1, 1921..	\$2,000.00	
Extra appropriation, Aug. 29, 1921	500.00	
	<hr/>	\$2,500.00
Credits:		
Highway Department	\$885.71	
Water and Sewer Department.	1,168.99	
Board of Survey	16.98	
Assessing Department	136.30	
Cemetery Department	177.93	
Fulton Heights School.....	38.19	
Fire Department	167.55	
Auditing Department	11.52	
	<hr/>	\$2,543.17
		<hr/>
		\$5,043.17
Expended: Pay rolls		
Pay roll, general.....	\$1,008.76	
Acceptance Plans	283.72	

Assessing Department (Plans)	151.74	
City Map	678.88	
Public Property	24.56	
Fulton Heights School.....	36.94	
Cemeteries	164.04	
Fire Department	88.60	
Auditing Department	11.52	
Two Penny Brook.....	28.60	
Highway Department	853.75	
Water and Sewer Department:		
Sewer Division	743.49	
Water Division	259.58	
Brooks and Streams Divi-		
sion	88.84	
Board of Survey	16.98	
		<u>\$4,440.00</u>

Bills as follows:

Carfares, postage and miscel-		
laneous	\$128.78	
Office Equipment	125.26	
Drafting Materials	45.36	
Surveying Materials	29.41	
Instrument repairs .....	.65	
Printing and Stationery.....	64.86	
Map Mounting, etc.....	48.78	
Medford Mercury	2.00	
Medford Publishing Co. (Re-		
ports)	24.00	
Technical Magazines	7.00	
Blue Prints	49.06	
Telephone	30.27	
		<u>\$555.43</u>
		<u>\$4,995.43</u>
Balance		47.74
		<u>\$5,043.17</u>

Streets for Acceptance

By authority of the Board of Aldermen, surveys, plans, profiles, registry examinations and descriptions have been made of eight private streets for acceptance, viz:

STREET	WARD	FROM	TO	Approved by Board of Survey
Spring Street Extension	1	Salem Street	Fellsway West	August 2, 1921
Salem Street Widening	1	Spring Street	Malden Line	May 4, 1921
Hill Avenue	1	Spring Street	Playground	August 2, 1921
Emerald Street	1	Hill Avenue	Surrey Street	November 2, 1921
Columbus Avenue	1	Hill Avenue	Emerald Street	August 2, 1921
Forest Avenue	3	Forest Street	Brookside Parkway	November 2, 1921
Frederick Avenue	5	Main Street	Collego Avenue	November 2, 1921
Billings Avenue	5	Main Street	Willis Avenue	November 2, 1921

Plan of one street for acceptance was presented by the petitioners

STREET	WARD	FROM	TO	Approved by Board of Survey
Newton Road	6	Grove Street	Woodland Road	April 4, 1921

Streets Accepted

The following streets have been accepted this year:

Street	Original Name	From	To	Length on Center Line	Accepted
Billings Ave.....	Columbus Ave.....	Main St.....	Willis, Ave.....	614.34	Dec. 28, 1921
Dunbar Ave.....		Yeomans Ave.....	Emerald St.....	434.11	Dec. 9, 1921
Emerald St.....		Yeomans Ave.....	Surrey St.....	602.95	Dec. 28, 1921
Forest Ave.....	Jackson St.....	Forest St.....	Brookside Pkwy.....	513.45	Dec. 28, 1921
Frederick Ave.....		Main St.....	College Ave.....	1227.98	Dec. 28, 1921
McDonald Rd.....		Riverside Ave.....	Fellsway	370.28	June 25, 1921
Newton Rd.....		Grove St.....	Woodland Rd.....	428.73	Dec. 12, 1921
Salem St. (Widening		Spring St.....	Malden Line.....	779.00	Sep. 16, 1921
Sanger St.....	Edward St.....	Joseph St.....	299.01	Dec. 22, 1921	
Spring St. (Extension	Sherwood Rd.....	Salem St.....	Fellsway West.....	364.15	Dec. 12, 1921
Yeomans Ave.....	Hill Ave.....	Spring St.....	Playground	327.65	Dec. 9, 1921

Highway Department

Surveys and stakings for edgestone, sidewalks and surface drains, together with sketches and grade sheets; also final measurements for assessment purposes have been furnished for the use of the Highway Department.

For continuous sidewalks completed see Schedule A.

For individual sidewalks completed see Schedule B.

There were a number of walks staked for construction, but owing to cold weather it was not possible to construct them. Salem Street, south side, was completed, but on account of snow and ice it has been impossible to measure same.

SCHEDULE A.
CONTINUOUS WALKS
SIDEWALKS AND EDGESTONES

WARD TWO.

STREET	FROM	TO	SIDE	Lin. Ft. St. Stone	Lin. Ft. Circle St.	Sq. Yds. Gran.	Cor. Blocks
Fulton Spring Rd.....	Fulton St.....	Fern Road.....	Both	1246.85	34.10	.....	2

WARD FOUR.

Greenleaf Ave.....	Winthrop St.....	Knollwood	North	.....	.....	528.43	.....
Winthrop St.....	Boston Ave.....	B. & M. R. R.....	West	.....	.....	193.51*	.....
						721.94	

*Replaced worn out tar concrete and allowance made for same.

SCHEDULE A—Continued

CONTINUOUS WALKS
SIDEWALKS AND EDGESTONES

WARD SIX.

STREET	FROM	TO	SIDE	Lin. Ft. St. Stone	Lin. Ft. Circle St.	Sq. Yds. Gran.	Cor. Blocks
Harris Rd.	Boston Ave.....	Capen St.....	Both	.....	.....	283.10	.....
Winthrop St.....	Emery St.....	Capen St.....	West	210.73	34.10	233.33	.....
High St.	Sagamore Ave.....	Mystic Valley Pkwy.	North	.....	.....	950.09	.....
				210.73	34.10	1467.11	

SCHEDULE B
INDIVIDUAL WALKS
SIDEWALKS AND EDGESTONES
WARD ONE

STREET	FROM	TO	Lin. Ft. St. Stone	Lin. Ft. Circle St.	Sq. Yds. Gran.	Cor. Blocks
Garfield Ave.....	No. 45.....	.....	.....	.....	33.68*	.....
Garfield Ave.....	No. 49.....	.....	.....	.....	34.44*	.....
Wicklow Ave.....	No. 60—62.....	.....	.....	.....	29.43	.....
Wicklow Ave.....	No. 64—66.....	.....	.....	.....	30.37	.....
Wicklow Ave.....	No. 68—70.....	.....	.....	.....	29.44	.....
Wicklow Ave.....	No. 72—74.....	.....	.....	.....	27.89	.....
Wicklow Ave.....	No. 78—80.....	.....	.....	.....	27.93	.....
Wicklow Ave.....	No. 82.....	.....	.....	.....	26.00	.....
Wicklow Ave.....	No. 86—88.....	.....	.....	.....	29.79	.....
Malden St.....	No. 325—327.....	.....	.....	.....	56.25	.....
Salem St.....	No. 430—430B.....	.....	.....	.....	53.48	.....
Wicklow Ave.....	No. 50—61.....	.....	.....	.....	27.59	.....
Wicklow Ave.....	No. 65.....	.....	.....	.....	27.59	.....
Wicklow Ave.....	No. 69—71.....	.....	.....	.....	29.18	.....
Wicklow Ave.....	No. 75.....	.....	.....	.....	29.08	.....
Wicklow Ave.....	No. 79.....	.....	.....	.....	25.48	.....
Wicklow Ave.....	No. 83.....	.....	.....	.....	29.00	.....
Wicklow Ave.....	No. 85—87.....	.....	.....	.....	29.78	.....
					576.40	

*Replaced worn out tar concrete and allowance made for same.

SCHEDULE B—(Continued)

WARD THREE

STREET	FROM	TO	Lin. Ft. St. Stone	Lin. Ft. Circle St.	Sq. Yds. Gran.	Cor. Blocks
Summit Road.....	No. 78.....	.....	.....	134.00	77.73	.....
Summit Road.....	No. 47.....	.....	2.00	.....	3.26	.....
Summit Road.....	No. 51.....	.....	62.00	.....	36.72	.....
Summit Road.....	No. 55.....	.....	66.00	.....	39.00	.....
Summit Road.....	No. 61.....	.....	66.00	.....	38.85	.....
Summit Road.....	No. 69.....	.....	61.93	26.72	47.84	.....
Terrace Road.....	No. 75.....	.....	75.00	.....	42.52	.....
Passage Way†.....	.....	.....	10.00	.....	7.22	.....
Water St.....	No. 2.....	.....	10.40	.....	.....	.....
High St.....	No. 422.....	.....	127.60	.....	105.07*	.....
			<u>480.93</u>	<u>160.72</u>	<u>398.90</u>	

†Passage Way between No. 75 and No. 83 Terrace Road.

*Replaced worn out tar concrete and allowance made for same.

SCHEDULE B—(Continued)

WARD FOUR

STREET	FROM	TO	Lin. Ft. St. Stone	Lin. Ft. Circle St.	Sq. Yds. Gran.	Cor. Blocks
Douglas Road.....	No. 32.....	.....	.....	.....	31.49	.....
Touro Ave.....	No. 11.....	.....	.....	.....	72.58	.....
Lyman Ave.....	No. 45.....	.....	73.90	.....	.....	1
			<u>73.90</u>	<u>.....</u>	104.07	<u>1</u>

WARD FIVE

Medford St.....	No. 87.....	.....	90.00	.....	.....	.....
Main St.....	No. 493.....	.....	40.00	.....	42.50	.....
Joseph St.....	No. 21.....	.....	43.50	.....	28.74	.....
Harvard St.....	No. 117.....	.....	.....	.....	25.91	.....
Meacham St.....	Henry St.....	Somerville Line.....	53.10	.....	.....	.....
			<u>226.60</u>	<u>.....</u>	97.15	<u>.....</u>

SCHEDULE B—(Continued)

WARD SIX

STREET	FROM	TO	Lin. Ft. St. Stone	Lin. Ft. Circle St.	Sq. Yds. Gran.	Cor. Blocks
Emery St.....	No. 33.....	.....	.....	.....	58.35	.....
Emery St.....	No. 39.....	.....	53.57	.....	32.61	.....
Quincy St.....	No. 78—80.....	.....	50.00	.....	28.74	.....
Playstead Rd.....	No. 53.....	.....	80.04	.....	6.68	.....
Sagamore Ave.....	No. 51.....	.....	33.35	.....	61.06	.....
Usher Rd.....	No. 16.....	.....	40.62	.....	24.78	.....
Sagamore Ave.....	No. 69.....	.....	.....	.....	43.74	.....
Sagamore Ave.....	No. 57.....	.....	.....	.....	37.85	.....
Sagamore Ave.....	No. 61.....	.....	.....	.....	38.69	.....
Sagamore Ave.....	No. 65.....	.....	.....	.....	43.25	.....
Sagamore Ave.....	No. 75.....	.....	.....	.....	54.43	.....
Sagamore Ave.....	No. 66.....	.....	.....	.....	40.61	.....
Sagamore Ave.....	No. 62.....	.....	.....	.....	30.79	.....
Sagamore Ave.....	No. 58.....	.....	.....	.....	77.65	.....
Cottage St.....	No. 32.....	.....	30.00	.....	.....	.....
Sagamore Ave.....	No. 24.....	.....	.....	.....	43.40	.....
Sagamore Ave.....	No. 25.....	.....	.....	.....	37.60	.....
Sagamore Ave.....	Lot No. 196.....	.....	.....	.....	32.77	.....
Sagamore Ave.....	No. 28.....	.....	.....	.....	37.22	.....
Sagamore Ave.....	No. 31.....	.....	.....	.....	34.83	.....
Sagamore Ave.....	No. 35.....	.....	45.20	.....	37.44	.....
			<u>332.78</u>		<u>812.30</u>	

TOTALS FOR THE ENTIRE CITY

CONTINUOUS WALKS

WARD	Lin. Ft. St. Edgestone	Cir. Edgestone Lin. Ft.	Sq. Yds. Granolithic	Cor. Blocks
2	1,240.85	34.10	.....	2
4 .....	.....	.....	721.94	.....
6	219.73	34.10	1,476.11	.....
	<u>1,400.58</u>	<u>68.20</u>	<u>2,198.05</u>	<u>2</u>

INDIVIDUAL WALKS

1 .....	.....	.....	576.40	.....
3	480.93	160.72	398.90	.....
4	73.90	.....	104.07	1
5	226.00	.....	97.15	.....
6	332.78	.....	812.30	.....
	<u>1,114.21</u>	<u>160.72</u>	<u>1,988.91</u>	<u>1</u>
Grand Totals.....	2,580.79	228.92	4,186.96	3

STONE BOUNDS

The following is a list of stone bounds set in 1921:

Street	No. of bounds
Boston Avenue and Winthrop Street.....	2
Crest Road and Terrace Road.....	1
Gourley Road.....	3
Dwyer Circle.....	5*
Southwest Corner Boston Avenue and Arlington Street..	1
Salem Street (South Side) at Malden Line.....	1
Salem Street (South Side) at Spring Street.....	1
	—
Total.....	14

* Staked but not set.

BITUMINOUS MACADAM ROADWAY

The following summary shows a list of bituminous macadam roadway constructed in 1921:

WARD 5—BY MUNICIPAL LABOR

STREET	FROM	TO	Sq. Yds. Roadway
Berwick Road.....	Harvard Street.....	Yale Street.....	750
Bowdoin Street.....	Dartmouth Street.....	Colby Street.....	3,500
		Total.....	4,250

Estimates for Construction of New Streets

Estimates for construction of roadway, installation of edgestone, and sidewalks have been made as per the following lists:

Ward One

STREET	FROM	TO
Emerald Street	Surrey Street	Hill Avenue
Spring St. Extension	Salem Street	Fellsway
Hill Avenue	Spring Street	Emerald Street
Columbus Avenue	Hill Avenue	Emerald Street
Salem Street	Otis Street	Malden Line
Myrtle Street	Lawrence Street	Spring Street
Sheridan Avenue	Salem Street	Fellsway West
Spring Street	Salem Street	Emerald Street
Grant Avenue	Hooker Street	Central Avenue

Ward Two

STREET	FROM	TO
Salem Street	Dudley Street	Otis Street
Dudley Street	Washington Street	Central Avenue

Ward Three

STREET	FROM	TO
Forest Avenue	Forest Street	Brookside Pkwy

Ward Four

STREET	FROM	TO
Main Street	Royal Street	Stearns Avenue
Winthrop Street	Chester Avenue	Greenleaf Avenue
Winthrop Street	George Street	Summer Street

Ward Five

STREET	FROM	TO
Billings Avenue	Main Street	Willis Avenue
Frederick Avenue	Main Street	College Avenue
Main Street	Stearns Avenue	Morton Avenue
Berwick Road	Harvard Street	Yale Street
Bowdoin Street	Dartmouth Street	Colby Street
Bristol Road	Warner Street	Somerville Line
Medford Street	Newbern Avenue	Somerville Line
Dexter Street	Bow Street	Joseph Street
Sanger Street	Edward Street	Joseph Street
Newbern Avenue	Medford Street	B. & M. R. R.

Ward Six

STREET	FROM	TO
Jerome Street	High Street	Harvard Avenue
Usher Road	Playstead Road	Warren Street
Warren Street	Irving Street	High Street

Ward Seven

STREET	FROM	TO
Gibson Street	Spring Street	B & M. R. R. Sta.

In addition to the above, estimates of quantities for all individual sidewalk orders passed by the Board of Aldermen, have been furnished the Street Commissioner.

Betterment Assessments

Assessment plans and schedules for the assessment of betterments have been made as follows:

STREET	WARD	FROM	TO
Berwick Road	5	Yale Street	Harvard Street
Bowdoin Street	5	Dartmouth Street	Colby Street

Surface Drains

Plans, estimates, surveys and stakings have been made for surface drains as per Schedule C.

Assessors' Plans

Plans were corrected to April 1, 1921, showing all new plottings and buildings.

Fire Department

A map showing the location of all the hydrants, with the designations as to whether high or low service, has been made and copies of the same hung in each fire station in the city.

Oak Grove Cemetery

The section maps started last year have been completed, and a wall map showing the entire cemetery has been made.

Mystic Lawn

Survey, staking and grade sheet from Row N to the boundary fence have been made, the roadway relocated and new lotting plan for this section made. Plan showing lotting of the southerly portion of Brooks Lawn has been made and plan showing relotting of a portion of Hillside Lawn.

Water and Sewerage Takings and Releases

All necessary plans, descriptions and papers for releases and takings have been made and sent to the water and Sewer Department.

Water Works Construction

There have been constructed during the year five thousand eight hundred seventy-four and fifty-seven hundredths (5874.57) feet of mains with necessary specials, hydrants, etc., for which locations have been given and all necessary measurements have been made for the purpose of making record plans of the same, record plans have been made and additions made in the superintendent's gatebook.

A copy of hydrant map made for the Fire Department has been furnished to the Water Department.

NEW AND RELAID PIPE INSTALLED 1921

LOCATION	NEW					RELAID			
	6 in.	8 in.	14 in.	2½ in.	2 in.	10 in.	14 in.	12 in.	6 in.
Andrews St.....	215.0	.....	.....	.....	.....	.....	.....	.....	.....
Boston Ave. ....	.....	.....	.....	.....	.....	.....	.....	878.	.....
Boynton Rd.....	.....	.....	.....	72.0	.....	.....	.....	.....	.....
Bristol Rd.	164.5	.....	.....	.....	.....	.....	.....	.....	.....
Butler St. ....	.....	.....	.....	159.0	.....	.....	.....	.....	.....
Capen St. ....	.....	.....	.....	.....	.....	.....	.....	.....	.....
(To Tufts College)....	.....	.....	.....	.....	.....	.....	.....	.....	235.
College Ave. ....	.....	96.5	.....	.....	.....	.....	.....	.....	.....
Cradock Bridge .....	.....	.....	47.57	.....	.....	47.4	100.	.....	.....
Elm St. ....	.....	.....	.....	.....	250.0	.....	.....	.....	.....
Fulton Spring Rd.....	159.0	.....	.....	.....	.....	.....	.....	.....	.....
Gaston St.	50.5	.....	.....	.....	.....	.....	.....	.....	.....
Hall Rd. ....	.....	395.0	.....	.....	.....	.....	.....	.....	.....
Mass. Ave. ....	.....	270.5	.....	.....	.....	.....	.....	.....	.....
Pitcher Ave.	454.0	.....	.....	.....	.....	.....	.....	.....	.....
Rural St.	100.0	.....	.....	.....	.....	.....	.....	.....	.....
Sherwood Rd.	167.0	.....	.....	.....	.....	.....	.....	.....	.....
Wason St.	6.0	.....	.....	400.0	85.0	.....	.....	.....	.....
Webber St. ....	.....	.....	.....	398.0	.....	.....	.....	.....	.....
Westwood Rd.	345.8	294.0	.....	.....	.....	.....	.....	.....	.....
Windsor Rd.	484.2	.....	.....	.....	.....	.....	.....	.....	.....
Total	<u>2,146.6</u>	<u>1,056.0</u>	<u>47.57</u>	<u>1,029.0</u>	<u>335.0</u>	<u>47.4</u>	<u>100.</u>	<u>878.</u>	<u>235.</u>

Sewer Construction

Five thousand one hundred forty-two and forty-five hundredths (5,142.45) feet of sanitary sewers have been built during the year, Y locations obtained and record plans and assessment schedules made and forwarded to the commissioners.

In addition to the above, owing to the addition to the American Woolen Company's plant, it was necessary to make a connection with the new Metropolitan Sewer in Boston Avenue. This required twenty-four and five-tenths (24.5) feet of fifteen inch (15 inch) pipe.

The following table shows the total lengths and sizes of sewers on January 1, 1922:

5-inch vitrified pipe sewer.....	97.0
6-inch vitrified pipe sewer.....	14,539.5
8-inch vitrified pipe sewer.....	285,605.95
8-inch cast iron pipe sewer.....	237.0
10-inch vitrified pipe sewer.....	25,599.9
12-inch vitrified pipe sewer.....	13,532.2
15-inch vitrified pipe sewer.....	9,598.3
18-inch vitrified pipe sewer.....	6,968.2
20-inch vitrified pipe sewer.....	4,181.0
or 68.23 miles.	

For schedule of sewers constructed in 1921 see next page.

SCHEDULE OF SEWERS BUILT IN 1921

LOCATION	FROM	TO	Length In Ft.	Size In.	No. of M. H.	Chim- neys	Wyes.	Character of soil
Central Ave.....	Sta. 0 + 0 (Fellsway)	Sta. 8 + 74.05.....	874.05	8	5		27	Sand and Gravel
Central Ave.....	Sta. 0 + 0 (Spring St.)	Sta. 2 + 07.2.....	207.20	8	2		6	Sand and Gravel
Chandler Rd.....	Sta. 1 + 02.6.....	Sta. 1 + 85.0.....	82.40	8	1		4	Gravel
Fells Ave.....	Sta. 11 + 74.4.....	Sta. 14 + 84.4.....	310.00	8	3		10	Ledge & Hardpan
Forest St.....	Sta. 13 + 68.45	Sta. 14 + 34.85.....	66.40	8			4	Gravel & Hardpan
Fulton Spring Rd...	Sta. 2 + 94.7.....	Sta. 4 + 46.3.....	151.60	8	1	2	11	Ledge and Gravel
Fourth St.....	Sta. 1 + 12.4.....	Sta. 3 + 46.1.....	233.70	8	1	2	10	Sand and Clay
Fulton St.....	Sta. 36 + 63.0	Sta. 39 + 88.8.....	325.80	8	3		23	Ledge and Gravel
Hall Rd.....	Sta. 0 + 42.7.....	Sta. 4 + 49.35.....	406.65	8	3		14	Gravel
Lakeview	Sta. 1 + 50.1.....	Sta. 1 + 93.8.....	43.70	8	1		2	Gravel
Pitcher Ave.....	Sta. 0 + 0 (High St.)	Sta. 5 + 44.55.....	544.55	8	3		38	Gravel
Pitcher Ave.....	Sta. 0 + 0 (Lakeview)	Sta. 0 + 03.71.....	603.71	8	1		32	Gravel
Riverside Ave.....	Sta. 3 + 46.1	Sta. 7 + 51.1.....	405.00	8	1	1	26	Sand and Clay
Rural St.....	Sta. 3 + 01.0	Sta. 4 + 18.49.....	117.40	8		1	8	Sand
Terrace Rd.....	Sta. 1 + 41.6.....	Sta. 1 + 70.4.....	28.80	8		1	1	Ledge
Watervale Rd.....	Sta. 0 + 0 (Fells Ave.)	Sta. 2 + 12.5.....	212.50	8	2	4	4	Ledge
Windsor Rd.....	Sta. 3 + 70.0	Sta. 8 + 98.9.....	528.91	8	3	17	1	Filling and Clay
		Total	5,142.45		30	28	230	

SCHEDULE C SURFACE DRAINS BUILT IN 1921

LOCATION	FROM	TO	Length In Ft.	Size	No. of C. B.	No. of M. H.	C. B. Connections	
							Size	Length
Amaranth Ave.....	Sta. 0 + 0.....	Sta. 4 + 15.0.....	41.50	12 in.	2	2	10 in.	24 ft.
Bradbury Ave.....	Sta. 0 + 0.....	Sta. 2 + 10.0.....	210.00	12 in.	0	0		
Bowdoin St.....	Sta.				2	0	10 in.	125 ft. +
Bower St.....	Sta. 3 + 65.0.....	Sta. 5 + 30.0.....	174.00	12 in.	4	1	10 in.	40 ft. +
Cherry St.....					1		10 in.	5 ft.
Dartmouth St.....	C. B. at Bowdoin St.....	Two Penny Brook..	270.00	10 in.	0	0		
Fulton Spring Rd..					2	0	10 in.	30 ft.
Park St.....					2	0	10 in.	100 ft.
Ravine Rd.....	Sta. 9 + 47.45.....	Sta. 11 + 85.0.....	237.55	12 in.	0	1		
Sagamore Ave.....	Sta. 0 - 85.0.....	Sta. 0 + 47.45.....	1,032.45	12 in.	7	4	10 in.	146 ft.
Tontine St.....	Sta. 0 + 0.....	Sta. 3 + 65.0.....	365.00	12 in.	0	1		

Office

The indexing of plans and level books, calculations and construction records, etc., have been continued.

Lines and grades for streets for guidance in erection of fences, grading of lawns and building operations have been given to fifty-one (51) applicants.

Plans, estimates and sketches have been given to the various departments when requested.

Committee meetings of the Board of Aldermen have been attended when requested and such information as required given.

Plans and estimates have been furnished committees of the Board of Aldermen and members of the Board as required; also information has been furnished to the citizens and their agents so far as the records of the office permit.

Data to private engineers has been given as requested and information of a varied nature has been given applicants.

City Map

The city map consists in part of 24 sheets of 60-inch wide, mounted leonine paper of varying lengths, upon which is plotted on a scale of 40 feet to the inch, the entire city, excepting that portion lying northerly from a line between Oak Grove Cemetery and the southerly line of Murray Street. Owing to constant and long-continued use, several of these sections are badly worn and should be renewed at once, but as the appropriation for the department barely covers the cost of current work, it is necessarily difficult to find sufficient funds to carry out this much needed work.

Work on renewal of Section No. 13 has been started.

In addition to the above, there are two maps of mounted leonine paper, covering the entire city, on a scale of 200 feet to the inch; also one map 400 feet to the inch, covering the entire city and mounted as above.

The following persons have been employed in this department during the year 1921:

- *John C. Davidson, Instrumentman, Jan. 1 to Dec. 31.
- Walter A. Raney, Instrumentman, Jan. 1 to April 23.
- Charles H. Pratt, Levelman, Jan. 1 to Dec. 31.
- Alton Fowler, Draftsman, March 28 to May 7.
- Francis B. Quinn, Rodman, June 25 to Sept. 17.
- *Arnold G. Carey, Rodman, Sept. 10 to Nov. 12.
- John J. Cleary, Rodman, Nov. 14 to Dec. 31.
- Alice A. Rourke, Clerk, Jan. 17 to Feb. 12.
- Beryl C. Bacon, Clerk, Dec. 12, to Dec. 31.

*Veteran.

Inventory of the Property of the Department

- Six thousand nine hundred sixty plans and profiles.
- Twenty-nine section maps.
- One hundred six survey and level books.
- One hundred eight inspector's books.
- Thirty calculation books.
- Three transits and tripods.
- Three target rods.
- Two sight rods.
- Miscellaneous surveying tools.
- Five one hundred-foot tapes.
- One fifty-foot tape.
- Blue-print equipment.
- Five drawing tables.
- Five drawing tools.
- One drawing table with electrical attachment.
- Four chairs.
- One roll-top desk.
- One bookcase.

One plan case.
One forty-two tray index case.
One four-tray index case.
One six-tray index case, steel.
Vault fittings, steel.
Two notebook cases.
Cement testing equipment.
One work-bench and miscellaneous tools.
One set (100) metallic curves.
One V. F. Cabinet with base.
Eighty Macey book sections.
One wardrobe.
Miscellaneous drawing instruments and materials.
Jupiter pencil sharpener.
One Underwood Typewriter and desk.
One pantograph.
Photographic equipment.
Two planimeters.
One-eighth keg spikes.
Nine hundred stakes.
One professional leather bag.
One field note book leather bag.
One tool leather bag.
Rubber stamps and pad.
One stadia slide rule.

Recommendations

The building of a new bridge over the Mystic River at Winthrop Street. Preliminary plans for this bridge and water-color sketch showing the character of the same were made by this department several years ago.

The construction of a covered drain for the waters of Whitmore Brook, from Warren Street to High Street, and from the Hose house lot to the easterly line of Prescott Street.

The extension of the conduit at Winter Brook, from Tufts Square northerly.

Two Penny Brook. The location of future channel should be established at once.

The construction of permanent sidewalks on accepted streets where property is so built up that there will be but slight necessity of tearing up sidewalks to provide for new construction.

The continuation of permanent paving on Salem Street, Main Street and High Street. As the traffic on High Street is much lighter than on Main and Salem Streets, it might be well to use a reinforced concrete pavement, in place of granite block.

Determination, relocation and widening of Fulton Street should be taken up in the immediate future before the building along this street makes the cost of this excessive. This street is the main artery leading to the Fulton Heights District and Lawrence Parks.

A study for the sewerage system for that section of the city lying north of Winthrop Street, Valley Street and the Fellsway and between Fells Avenue and the Mystic Lakes and which was not included in the study made in 1894, should be made at this time, as the conditions are such that the plans, surveys, etc., for this section, should be made in order that the sewerage disposal of this section may be done in an orderly manner.

A trunk line of the section from High Street to Wyman Street should be constructed in the near future, thus providing for the disposal of the sewerage of the tract between High Street and the Winchester Line, Woburn Street and Winthrop Street.

Main Street Widening

Cradock Bridge having been widened by the Commonwealth, so that we now have a street approximately seventy feet wide, I feel that this width should be continued at least as far as Charles H. Cavanagh Square before any addition of buildings or improvements are made between these two points.

Respectfully submitted,

FRED R. CHARNOCK,

City Engineer.

Report of the Chief of Fire Department

Medford, Mass., February 2, 1922.

Honorable Benjamin F. Haines, Mayor,
Medford Building.

Dear Sir:

In accordance with the provision of the Charter I hereby submit annual report of the Fire Department for the year ending December 31, 1921, being placed in charge as Acting Chief, August 20, 1921.

The "two platoon" system became operative February 1st and has proven very satisfactory as, at many working fires, firemen assist while off duty, and at the Usher Building fire, where a second alarm was sounded, all but six men on the off platoon reported for duty.

There was a total of 444 alarms for the year, 216 of these were from street boxes and 228 still or telephone alarms.

Property at risk.....	\$470,780.75
Insurance on same.....	407,395.00
Loss on same.....	55,086.37
Uninsured loss	12,195.00
Automobiles at risk.....	17,475.00
Insurance on same.....	15,070.00
Insurance loss	8,917.50
Uninsured loss	1,000.00

Services of the Department for 1921

	Bells	Stills	Feet of hose laid	Gals. of Chemical	Feet of Ladders	Miles trav- eled
Engine 1...	216	6	25,650	129		614.6
Hose 2.....	76	39	6,050	694		242.5
Hose 3.....	192	49	17,700	482	25	679.5
Engine 4...	90	37	14,850	261		338.5
Hose 5.....	104	61	18,150	447	97	465.9
Hose 6.....	1	19	1,250	60		
Ladder 1...	143	8		987	1,207	340.2
Ladder 2...	82	9		778	596	247.8
			83,650	3,838	1,925	2,929

Hose 5 answered 22 alarms in Somerville.

Engine 1 and Ladder 1 and Hose 2 answered one alarm in Arlington.

Respectfully yours,

W. BURTON HARVEY,

Acting Chief of Department.

Report of the Chief of Police

Hon. Benjamin F. Haines,

Mayor of the City of Medford.

Sir: I have the honor of submitting to you my annual report of the Police Department for the year ending December 31st, 1921.

Whole number of arrests.....	828
Males	798
Females	30
Adults	702
Minors	126
Residents	642
Non-residents	186
Arrested on warrants.....	142
Arrested without warrants.....	267
Arrested on summonses.....	420
Held for trial.....	793

Cause of Arrest

Accessory to Abortion.....	1
Aiding and procuring Abortion.....	4
Adultery	2
Assault and Battery.....	41
Assault, Felonious	1
Assault on an Officer with revolver.....	1
Attempt to Commit a Crime.....	4
Arson	1
Accosting Person of Opposite Sex.....	1
Bastardy	4

Breaking and Entering, Larceny.....	18
Bigamy	1
Board of Health, rules violation of.....	1
Concealing Mortgaged Property and Selling.....	1
Default	10
Disturbing the Peace.....	3
Drunkenness	134
Escaped Prisoners	5
Forgery	3
False Alarm of Fire.....	2
Gaming, or present at.....	13
Idle and Disorderly.....	1
Illegal Fishing	2
Insane	20
Injury to Property	3
Keeping an Unlicensed Dog.....	2
Larceny	74
Larceny from the Person.....	2
Manslaughter	2
Non-support of Family.....	17
Non-support of Parent.....	5
Neglected Children	5
Non-payment of Wages.....	10
Non-support of Minor Child.....	1
Non-support of Illigitimate Child.....	1
Narcotic Drugs, possession of.....	2
Operating Auto under influence of Intoxicating Liquor	8
Parole, violation of.....	1
Refusing to assist an Officer.....	1
Receiving Stolen Goods.....	2
Safe Keeping	1
Stubborn Child	8
Suspicious Person	1
Surrender	1
Trespass	7
Truants	13
Track Walking	1

Unlawful Appropriation of Property.....	14
Unlawful use of Milk Bottles.....	3
Violation City Ordinance.....	18
Violation of the Lord's Day.....	16
Violation of the Milk Law.....	1
Violation of the Liquor Law.....	6
Violation of the Park Rules.....	1
Violation of the Probation.....	10
Violation of the Auto Laws.....	288
Violation of the Traffic Rules.....	27
Violation of the Labor Laws.....	1

Miscellaneous Work

Amount of property reported stolen.....	\$26,775.13
Amount of property recovered by police.....	33,273.28
Accidents reported	178
Buildings found open and secured.....	369
Cases investigated	1,462
Defective streets and sidewalks reported.....	320
Defective water pipes reported.....	35
Defective gas pipes reported.....	11
Defective vaults and drains reported.....	32
Defective wires reported.....	230
Dead bodies cared for.....	11
Disturbances suppressed	52
Dogs killed	17
Extra hours duty done by officers.....	634
Fire alarms reported	7
Officers at Court.....	250
Broken glass in street.....	39
Sign posts down.....	19
Trees dangerous	83
Dead Animals in street.....	41
Horses cast	5
Pulmotor used	4
Runaway horses caught.....	5
Injured Cats shot.....	9

REPORT OF CHIEF OF POLICE

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Fires extinguished without alarms.....	30
Gas turned off in buildings.....	11
Lanterns placed on defects in streets.....	127
Lost children returned home.....	52
Notices posted and delivered.....	747
Number of runs of patrol wagon.....	2,519
Number of miles run.....	18,658
Sick and Injured persons assisted.....	152
Stray teams cared for.....	4
Street obstructions removed	12
Street lights reported out.....	357
Search warrants served	1
Seizures made	1
Water running to waste.....	25

Respectfully submitted,

JOHN F. WELCH,

Chief of Police.

Report of the City Clerk

January 10, 1922.

To the Honorable the Mayor and the Board of Aldermen,
Medford, Massachusetts.

Gentlemen:

Annual Report of City Clerk, 1921

I attach herewith an itemized and detailed report of the fees collected in this office for the year 1921.

I have on file receipts by months from the City Collector which total \$1450.15.

The Board of Aldermen held 21 regular, 2 regular adjourned and 20 special meetings, a total of 46, as compared with a total of 31 for 1920.

The number of deaths recorded for 1921 were 501*.

The number of births as per canvassers' reports for the year 1920 was 1,234 x.

Respectfully submitted,

CHARLES A. WINSLOW,

City Clerk.

*—Decrease.

x—Increase.

Receipts

Marriage Intentions filed, 519.....	\$519.00
Mortgage Records filed, 344.....	541.65
Copy of Records, 84.....	41.75
Pole Location Grants, 28.....	28.00
Registration of Optometrists, 1.....	.50
Registration of Physicians, 2.....	.50
Fees for Dogs Licenses, 1,139 @ \$.20.....	227.80
City's Fees for Hunting and Fishing Li- censes, 444 @ \$.15	66.60
Miscellaneous Items, 60.....	18.00
Interest on Deposit	6.25
	<hr/>
Total	\$1,450.15

Report of the City Solicitor

January 17, 1922.

Hon. Benjamin F. Haines,
Mayor of Medford,
Medford, Mass.

Dear Sir:

I herewith submit the report of the City Solicitor's Department for the period from January 1, 1921, to October 1, 1921, on which latter date I resigned as City Solicitor of the City of Medford for the reason that I had been appointed Assistant Attorney General for the Commonwealth of Massachusetts.

Cases Disposed of

During the period covered by this report seven (7) cases were finally disposed of, either by trial, dismissal or settlement. These cases represented claims of various nature against the city, the majority being actions of tort for personal injuries and injuries to property due to alleged defective condition of public ways and works; while the remainder were claims for damages incident to the taking of private property for various public purposes under the right of eminent domain. In two cases in which the city of Medford was plaintiff satisfactory settlements were made, and the sum of \$1,404.77 turned into the City Treasury.

Opinions

The requests for opinions from the various departments of the City were unusually numerous, involving many and varied branches of the law. Forty-three (43) written opinions were prepared and rendered to the Board of Aldermen and heads of the various departments, the topics of which it is unnecessary to enumerate here. In addition many oral opinions were rendered on request from various officials, departments and committees.

Legal Documents

At the request of the Board of Aldermen and various departments I drew various legal documents and examined others as submitted, including proposed ordinances, resolutions, legislative bills, orders, forms of taking by eminent domain, deeds, bonds, releases, contracts, plans, etc.

Legislative Matters

Several petitions and bills were drawn for presentation to the Legislature, and I personally appeared at the State House before various committees of the Legislature and State Commissions on matters arising affecting the interests of the City.

Appearances Before Committees of the Board of Aldermen and City Departments

At the request of various committees of the Board of Aldermen I attended many of their meetings and hearings and have given legal advice on various pending matters then under consideration and investigation. I likewise appeared at many meetings of various commissions, boards, and other city departments, and rendered legal advice and suggestion thereat.

On September 19, 1921, I tendered my resignation to Your Honor to take effect on October 1, 1921, owing to the

fact that I had received the honor of appointment to the position of Assistant Attorney General for the Commonwealth of Massachusetts, and I assure you that it was with a feeling of regret that I was thus obliged to sever my very pleasant official connection with the City of Medford.

In conclusion, I desire to say that my relations with the various city officials, heads of departments and employees, have been in every instance extremely pleasant and cordial, and I appreciate deeply the uniform courtesy and assistance which has been rendered to me at all times in the performance of my official duties.

Respectfully submitted,

A. CHESLEY YORK.

Report of Acting City Solicitor

January 16, 1922.

Hon. Benjamin F. Haines, Mayor,
City Hall,
Medford, Mass.

Dear Sir:

I herewith submit the report of the City Solicitor's Department for the period October 1, 1921, to January 1, 1922, during which time I was the Acting City Solicitor.

Opinions

To the Board of Aldermen and to the various departments I have furnished upon request sixteen written opinions.

Court Actions

There are now pending against the City in the Supreme Court four actions, in the Superior Court forty-seven actions, and in the lower courts seven actions.

An important court action now pending is the suit brought in the Suffolk Superior Court in which is raised the question of the validity of the lease given on February 17, 1917, to the Society Film Players and now claimed to be held by the Mastercraft Photoplay Corporation. The determination of this matter by the court is of great importance to the city since it involves the title to a large tract of land and to the buildings thereon, the right of the city

to sell and to lease, the right to tax the property now located upon this land and other property owned by the Mastercraft Photoplay Corporation and located within the City's limits, and other incidental questions. Two receivers have been appointed by the Court to take charge of the assets of The Mastercraft Photoplay Corporation and to protect its rights.

Claims Out of Court

There are now pending against the city thirty-five claims. The greater number being based upon injuries alleged to have been caused by reason of the defective condition of streets and sidewalks.

Recommendations

I recommend that this department during the year 1922 collect, arrange and index by subjects, all the available written opinions furnished by this department. These need not be printed, but should be so arranged that they may be added to as opinions are given. Three sets should be made, one for the Office of the Mayor, one for the Office of the City Clerk, and one for this department.

In this way I believe the work of the city, so far as legal matters are concerned, would be facilitated, and a harmony of legal opinions developed.

I respectfully recommend that the sum of Three Hundred (300) Dollars be appropriated for the use of this department for the ensuing year to cover incidental expenses.

Respectfully submitted,

GUY E. HEALEY,

Acting City Solicitor.

Report of the City Messenger

January 9th, 1922.

Hon. Benjamin F. Haines, Mayor,
and Board of Aldermen of the City of Medford.

Gentlemen:

I herewith respectfully submit the annual report of this department. This report includes the work of the entire year, although I have held the office of City Messenger for less than nine months, having been elected on April 18, 1921, to succeed Arthur E. Crowley.

The following is a statement of the work of this department, and the expenditures for the year ending December 31, 1921.

During the past year the work performed by the City Messenger has been the care of and supervision of cleaning the temporary city offices in the Medford Building, in the Police Station Building and in the Water and Sewer Building, the Aldermanic Chamber in the Washington School Hall; also attendance at committee meetings and regular meetings of the Board of Aldermen, and the duties required of the City Messenger by the various officials of the City.

The following property is in charge of the City Messenger; one large and one small National flag, Medford Town and City reports, documents of the old town of Medford, and copies of the Acts and Resolves of the Legislature of Massachusetts.

I would respectfully call to your attention the item of rent, which together with the expense of the up-keep of the offices now occupied by the City in the Medford Building are to my mind extremely too costly. I would also state at this time that the up-keep will be increased in the years to come.

Yours respectfully,

PHILIP S. HOGAN,

City Messenger.

City Hall Account

Appropriation	\$12,000.00	
Additional Appropriation	250.00	
Receipts	16.74	
	<hr/>	
	\$12,266.74	
Expended	12,232.56	
	<hr/>	
Unexpended balance		\$34.18

City Messenger's Expenses

Appropriation	\$1,250.00	
Appropriated by transfer.....	19.11	
	<hr/>	
		\$1,269.11
Expended		1,269.11

Report of Sealer of Weights and Measures

Medford, Mass., January 2, 1922.

Honorable Benjamin F. Haines, Mayor,
Medford, Mass.

Dear Sir:

I have the honor to submit to you my eighteenth annual report of the Department of Weights and Measures of the City of Medford for the year ending December 31, 1921.

Scales	Sealed	Adjusted	Non-Sealed	Con-demned
Platform over 5,000 lbs. capacity....	14	4		
Platform under 5,000 lbs. capacity..	144	13	2	
Counters	157	12	4	1
Spring balances	191	4	18	1
Computing	158	16	2	2
Beam	2			
Slot personal	26	3		3
Prescription	20	5		
Weights				
Avoirdupois	1172	14		4
Apothecary	237			
Metric	168			
Troy	8			
Capacity Measures				
Dry Measures	22			
Liquid Measures	204			15
Automatic Liquid Devices				
Gasolene	81	28		
Molasses	26			
Yard sticks	33			
Oil	48			
Total	2711	99	26	26

**Trial Weighings and Measurements, on Wagons and
in Stores**

Commodity	Number Correct		Incorrect	
	Tested		Under	Over
Charcoal and Coke	66	66		
Kindling Wood	166	140	10	16
Coal, paper bags	174	170	4	
Coal, in transit	24	16	8	
Ice	264	214	50	
Hay	41	41		
Grain and Feed.....	28	28		
Flour	142	140	2	
Butter	170	155	15	
Dry Commodities	171	143		28
Liquid Commodities	171	156	15	
Fruits and Vegetables	159	134	15	10
Meats and Provisions.....	60	49		11
Bread	210	200	9	1
Confectionery	71	71		
Milk	45	44	1	
Total	1962	1767	129	66

Inspections Made in Stores and Streets

In Stores	300
Pedlers' Licenses	24
Milk Wagons	101
Coal certificates	102
Marking food packages.....	150
Clinical thermometers	78
Pedlers' scales	49
Ice scales	90
Junk scales	48
Wood baskets, Berry baskets, Ice Cream cartons, Gasoline	1,305
Total	1,942

The above described articles have been tested, sealed, or condemned and the results recorded at this office.

Amount Appropriated	\$442.00
Amount Expended	429.22
Balance	\$12.78

For the purpose of carrying on the necessary work of this Department for the ensuing year I would respectfully recommend that the sum of Five Hundred and Fifty (\$550.00) be appropriated.

Respectfully submitted,

WINSLOW JOYCE,

Sealer of Weights and Measures.

Report of the Trustees of Cemeteries

Medford, Mass., January 1, 1921.

Honorable Benjamin F. Haines,
Mayor of Medford, Massachusetts.

Dear Sir:

In accordance with the provision of the Charter, the Trustees of Cemeteries hereby submit their annual report:

During the year of 1921 there were 247 interments in the Cemeteries of the city as follows:

Oak Grove Cemetery.....	246
Salem Street Cemetery.....	1

These interments were made:

In private lots	111
In single graves.....	101
In free graves.....	30
In World War lot.....	5
	<hr/>
	247

There were two transfers within Oak Grove Cemetery.

There were nine bodies placed in the receiving tomb during the year, two of which were buried in Oak Grove Cemetery, and three removed to other Cemeteries for burial, four now in tomb.

Improvements

During the past year we have graded and made 54 new lots on the section of the Cemetery known as Hillside Lawn. These lots have a selling value of \$29,000.00. We have graded in the single grave section, known as Mystic Lawn, 400 graves with the selling value of \$12,000.00. Without any special expenditure this work has been done out of the appropriation given last year. The ground has been seeded, surveyed and plans drawn and the property is all ready for sale as soon as the boundary posts are placed.

We hope to have sufficient appropriation this year in order that we may be able to carry out our plans for further development and improvements as small expenditures along these lines mean large returns in the future.

Sale of Lots and Graves

Lots sold during the year.....	25
Single Graves sold during the year.....	116

Perpetual Care

Amount added to the Perpetual Care Fund in 1921	\$2,840.00
Total amount of Perpetual Care Fund in the hands of the Sinking Fund Commissioners	62,069.82

Receipts

Amount received from sale of lots.....	\$6,150.00
Amount received from sale of graves.....	4,245.00
Amount received from interments, care of plants, etc.	3,736.99
Amount received from Perpetual Care Fund	1,932.71
Amount received from appropriations.....	8,000.00

Disbursements

Amount paid for labor as per pay rolls.....	\$15,116.54
Amount paid for new shrubs and plants, fertilizer	1,572.84
Amount paid for incidentals and supplies..	4,706.14
Amount paid to Sinking Fund Commissioners for Perpetual Care	2,840.00

Salem and Cross Street Cemeteries

Amount received from appropriation.....	\$200.00
Amount paid for labor.....	199.44

Requirements for 1922

We will need a special appropriation this year to cover damages to trees and shrubbery caused by ice storm of December, 1921....	\$1,500.00
--	------------

New Ground

1,200 cement boundary posts for lots on Hillside Lawn, Brooks Lawn and Single Graves	\$600.00
--	----------

This is all new ground and has been surveyed, but cannot be sold without boundary posts.

Fertilizer

For the purpose of caring for 30 acres of land that must be fertilized this year....	\$1,000.00
--	------------

Labor

We will have an average pay roll this year of approximately \$400.00 per week..	20,800.00
---	-----------

General Expenses

For tools, grain, care of horses, tool sharpening, miscellaneous supplies and incidentals \$3,500.00

We have carefully estimated our necessities for the ensuing year and the amounts required total to \$27,000.00 which after deducting the sum received as income from Perpetual Care Fund and estimated receipts from sale of lots and miscellaneous sources, we will need at least \$15,000.00, and we therefore respectfully request that your honor recommend the sum of \$15,000.00 for the Care of Oak Grove Cemetery.

Salem and Cross Street Cemeteries

We recommend that an appropriation of \$250.00 be made for these Cemeteries as follows:

For general care of Salem and Cross Street Cemeteries \$200.00
 For repairing fence and damage by storm.. 50.00

Appropriation

The Trustees respectfully request an appropriation of \$15,000.00 for the ensuing year as follows:

Trees and shrubbery	\$1,500.00
Boundary Posts	600.00
Fertilizer	1,000.00
Pay roll estimated	20,800.00
General Expenses	3,500.00
	<hr/>
	\$27,400.00

Received from Perpetual Care and estimated receipts	12,400.00
	<hr/> \$15,000.00
Care of Salem and Cross Street Cemeteries, including fence and damage by storm..	250.00
	<hr/>
Total	\$15,250.00

Respectfully submitted,

ELLERY A. ARMSTRONG,
S. H. THURBER,
WALTER J. BALLOU,

Trustees of Cemeteries.

Report of the Trustees of Public Library

Medford, Mass., March 10, 1922.

Hon. Benjamin F. Haines,
Mayor of Medford.

Sir:

The Trustees of the Public Library herewith present their annual report for the year 1921.

The library has rendered the usual amount of service to the public as in the years past.

More is demanded of us every year and we endeavor to meet all wants in some way.

After much delay we have managed finally to arrange for the painting of our buildings on the outside and to make other necessary repairs in this connection.

We are still in need of additional shelf storage for the increasing number of books and for the accommodation of the outlying sections there should be provided one or more branches at the earliest possible date.

For the items of administration we refer you to the report of the librarian.

REPORT OF THE LIBRARIAN

To the Trustees of the Medford Public Library :

Dear Sirs:

The report for the year 1921, herewith submitted, is the sixty-sixth report of the Library. The figures of circulation, 97,509, show an increase of 3,409 over those of last year. Should the use of the library increase in 1922 in the ratio of that of the last few months, we may have more interesting figures to show another year. The number of readers and students who do all their reading in the library is largely in excess of that of previous years. The request is now not unusual to have books set aside for daily consultation by some person who prefers to do all his reading in the library rather than to take the books for home reading. The library stands first and foremost for books, and our need for more is greater with an increasing population. Our present population of 40,514 requires more than that of ten years ago, especially since the still excessive cost of books combined with modern housing conditions prevent to some extent the accumulation of private libraries. The increasing use of the library by High School pupils is most gratifying; for this we are indebted to the active encouragement of the present corps of instructors who go hand in hand with us in extension work. Four attendants are now daily required to meet the demands of pupils directly after the close of the morning session, and books in large quantities are set aside for debate or research.

Nearly 5,000 books were circulated through the Delivery Stations, but the service rendered is far from satisfactory. I am still of the opinion that the book wagon would be a far better investment in the good will of the outlying districts, and would be glad to have further consideration of this matter.

Gifts

Contributions to the Reading Room in 1921 were *The Auk* by Mrs. Edmund Bridge, *Daughters of the American Revolution Magazine* by the Sarah Bradlee Fuller Chapter of the D. A. R., *Harvard Graduates' Magazine* by Mr. Rosewell B. Lawrence, *Open Road* by Mrs. Norwood P. Hallowell, *Our Dumb Animals* by an anonymous giver, *Technology Review* by Mr. E. B. Moore. While acknowledging with gratitude the generous gifts of books by different individuals in this and in former years, particularly those of the late Gen. S. C. Lawrence, and of Mrs. Lawrence after his death, it seems a little singular that only three times in the history of the Library has any sum of money been given to it, the interest of which might be used for some special department; the first that of Hon. Turrell Tufts in 1843, later that of Miss Lucy Osgood coming to us in 1886, and lastly that of Mrs. Adaline A. Munroe in 1897, given at the request of her husband, Mr. Charles Munroe, in recognition of the pleasure derived from the library. Can it be possible that in the nearly twenty-five succeeding year, no Medford person has derived sufficient pleasure from its library to establish even a small fund by which to perpetuate his interest, and his trust in the profit which might thereby accrue to his fellow citizens! A fund for the purchase of music would be a valuable and welcome gift to all who are enjoying our present small collection. Of the various clubs in the city, the Medford Shakespeare Club, the oldest and probably the smallest in Medford, is the only one which has contributed a sum annually for dramatic literature, and also gives some book or books as a memorial on the death of any of its members. Miss Katherine H. Stone has personally contributed \$20.00 to be credited to the West Medford Reading Club, the second oldest club in the city. 176 books, 222 periodicals, 771 pamphlets, 38 bulletins and 77 reports have been received, the largest contributors being Mr. George H. Remele, Mrs. A. B. Shaw, Miss Katharine H.

Stone, all of West Medford, and Miss Helen A. Whittier of Boston.

The Library Staff

Twice during the year the staff has been depleted by the loss of assistants, who have had offers of higher salaries elsewhere. We recognize that our salaries are far too small to attract competent service from outside, and we hope that a generous appropriation for 1922 may obviate our present disadvantage.

It was thought wiser by your board to increase the salaries of those already doing good service, in view of the fact that they would be required to assist in the training of a pupil assistant. We still very much need another trained worker, and in asking for this, we need to take into consideration that our entrance into the war attracted many girls from library service to other kinds of work where they were better paid, and in which they were freed from exhaustive evening work.

In July Miss Anita Woodward was promoted to the position made vacant by the resignation of Miss Rena M. Greenwood, and Miss Margaret P. Hazen, a student at the Syracuse Library School, was appointed assistant at the Delivery Desk. At the close of the year the vacancy caused by the resignation of Miss Dorothea K. Wetherell had not been filled. Miss Jean M. Campbell was engaged in December to do much needed repair work, and a long accumulated pile of books was made ready for binding, for which the regular assistants could not be taken from increasing desk and reference work.

Character of Reading

Next to fiction, which was 54 per cent of the total circulation, books of general literature, including poetry and the drama, have been most read, the fine and useful arts lagging behind, and other classes showing comparatively little difference in their percentages of attraction.

Children's Building

The value of the Children's Room is well proven. Through books circulated through the schools, through the story-telling hour, and through the advice and help of Miss Clark, the children of Medford are started in the right direction; 15,875 books were circulated through the schools, not including those deposited in the High School from the main library, 28,611 through the children's room, making a total of 44,486 children's books exchanged during the year.

Respectfully submitted,

A. L. SARGENT,

Librarian.

Library Expenditures for 1921

Salaries of librarian and assistants	\$6,748.90	
Janitor and Page.....	1,265.80	
Books	3,015.90	
Binding	1,974.50	
Fuel	955.40	
Periodicals	297.17	
Telephone	57.09	
Repairs	766.64	
Lighting	191.97	
Supplies	348.76	
Postage	24.73	
Miscellaneous	469.58	
Messenger	22.00	
Express	111.50	
Furniture	68.75	
Catalog	130.62	
		<hr/>
		\$16,449.31

Held for uncompleted contract for painting	475.00
Unexpended .....	.40
	<hr/>
	\$16,924.71

Receipts as follows:

City appropriation	\$14,000.66	
Dog tax	1,935.31	
Refunded on bills.....	111.11	
Income from funds.....	134.80	
Fines, and books lost or damaged	743.49	
	<hr/>	\$16,924.71
Appropriation for Agencies...	400.00	
Expended	395.00	

We recommend an appropriation of \$15,015.00 for the expenses of the library for the ensuing year.

Respectfully submitted,

ERNEST B. MOORE,
ALAN A. CLAFLIN,
EDWARD M. BARNEY,

Trustees of the Public Library.

Report of the Purchasing Agent

March 28, 1922.

Honorable Benjamin F. Haines,
Mayor of Medford, Massachusetts.

Dear Sir:

I have the honor to submit herewith the annual report of the Purchasing Department for the year ending December 31, 1921.

During the year, three thousand five hundred ninety-seven requisitions were received from the several departments and orders for the same were given. An accurate record of every transaction has been kept and is on file in this office.

The following is a statement of the money received and expended during the year:

Credits

Appropriation	\$2,000.00	
Credits	23.38	
	<hr/>	
Total		\$2,023.38

Expenditures

Automobile	\$480.00	
Stamps	56.00	
Pay roll	1,198.79	
Vacation—Extra Clerk	46.00	

Printing	10.50	
Stationery	36.17	
Telephone	136.17	
Miscellaneous	57.78	
	<hr/>	
Total		\$2,021.41
		<hr/>
Balance unexpended..		\$1.97

Wherever it has been possible, I have purchased in large quantities, calling for bids so as to obtain the best quality for the lowest price.

In conclusion I desire to thank Your Honor, and the heads of departments, for their assistance and courtesy.

Respectfully yours,

WILLIAM H. CASEY,
Purchasing Agent.

DEATHS IN 1921
BOARD OF HEALTH MEDFORD, MASS.

AGES	Jan.		Feb.		Mar.		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		Sex Totals		Grand Totals
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Stillborn		1	2	1	1	2		2	1	1	1	3	2	2	2	2	1		1	1		1		2	11	18	20
Under 1 year.....	2		4	1	4	4	1	2	5	3	1		2	2	1	1	3	2	2		1	2	4	1	30	18	48
1 to 2 years.....			2	1			2					1			1	1					1				7	3	10
2 to 3 years.....																			1						1		1
3 to 4 years.....											1														1		1
4 to 5 years.....	1																								1		1
5 to 10 years.....		1	1			2							2					1							3	4	7
10 to 15 years.....					1					1	1						1							1	3	2	5
15 to 20 years.....	1							2					1			1								1	2	4	6
20 to 30 years.....		2		1		1		1		3				2		2		2	1	1	1	1		2	16	18	34
30 to 40 years.....		1	1	1	1	1	2	1		2	2			1	2		2	2	1	1	1	1		11	12	23	
40 to 50 years.....	2		1			1				2		1				1	1	1	1	2	3	1	1	1	9	10	19
50 to 60 years.....	1	1	4	2		1	1	3	1	2		1	2		1	2		1	3		2	2	2	2	13	19	32
60 to 70 years.....	3	0		7	3	2	3	3	2	6	4	1		2	2	2	2	7	2	2	5	3	4	2	30	43	73
70 to 80 years.....	4	4	2	1	1	4	1	5	1	2	1	1	2	3	8	3	4	4	1	3	3	1	7	5	35	36	71
80 to 90 years.....	1	3	1	3		4	1	4	4		1	5		2	1	3	1	2		2	3	2		14	31	45	
Over 90 years.....						1		1	1			1			1	1		1		1				3	5	8	
Monthly totals by sexes	15	19	18	18	11	23	11	23	15	22	12	14	12	13	18	21	13	22	10	17	17	15	23	15	175	222	307
Total deaths	34		36		34		34		37		28		25		39		35		27		32		38		307		*

* Stillborn included

DEATHS 1921
BOARD OF HEALTH, MEDFORD, MASS.

CAUSE OF DEATH	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total	
A														
Accidental Asphyxia											1		1	
Accidental Drowning						1			1				2	
Accidental Electrocutation								1					1	
Accidental Gas-poisoning											1		1	
Accidental Fracture of Skull.....						1			1				2	
Acute Brights Disease.....									1				1	
Alimentary Intoxication, with Acidosis.....								1		1	1		3	
Anemia Pernicious										1	1		2	
Anencephalus			1										1	
Aortic Insufficiency					1					1			2	
Apoplexy	1	1					1			1		2	6	
Arterio sclerosis	5	5	3	5	4	2	1	3	2	4	6	6	46	
Arthritis									2				2	
Atelectasis					2								2	
Atrophy—progressive muscular.....											1		1	
B														
Bronchitis						2						1	3	
C														
Congenital malnutrition						1							1	
Convulsions		1										1	2	
Cholera Infantum.....						1	1	1					3	
Carcinoma	1	3	1	1	6	2	4	7	7	4	3	3	42	
D														
Diabetes			3	2			1	1				2	9	
Diarrhoea—acute					1		1			1			3	
Diphtheria	2	1		1									4	
E														
Endocarditis	1		2	1	3	2	1					1	11	
Erysipelas										1		1	2	
F														
Foramen ovale—non closure.....					1			1			1		3	
G														
Gastro Enteritis			1						1				2	
Goitre					1								1	
H														
Heart Disease	5	4	2	2	3	1	3	4	1	1	3	3	32	
Hemorrhage—Cerebral	4	2	3	3	1	1	2	3	5	2	5	4	35	
Hemorrhage of Pancreas.....										1			1	
Hemorrhage of Umbilical Cord.....					1								1	
Hemorrhagic Disease of Newborn.....					1								1	
Hodgkins Disease						1							1	
I														
Icterus-neonatorum									1				1	
Ileo collitus				1									1	
Inanition			2	1									3	
Infection—general									1				1	
M														
Malnutrition									1				1	
Melama-neonatorum				1									1	
Mitral Regurgitation	2		2	1		2		2	1				10	
Myocarditis	2		1	3	3	1					3	1	14	
N														
Nephritis	1	5	2	3	2	1		4	4		2	2	26	
P														
Peritonitis	1		1										2	
Pneumonia, broncho	3	3	1	1		1		1			1	1	12	
Pneumonia, lobar	2	1	2	2					1		1		9	
Premature birth		4	1		1		3		1			1	11	
S														
Suicide										1		1	2	
Spina bifida										1			1	
Sarcoma	1					1				1			3	
Septicaemia			1										1	
T														
Tuberculosis	1	3	1	3	4	1	3	3	1	1	2	5	28	
U														
Umbilical hernia									1				1	
Uraemia								1	1				2	
W														
Whooping-cough	1			1				1					3	
Total deaths	9.08*	33	33	30	32	36	22	21	35	34	25	31	36	368
Stillbirths		1	3	4	2	1	4	4	4	1	2	1	2	29
Deaths, including stillborn.....	9.8—*	34	36	34	34	37	26	25	39	35	27	32	38	397
Non-resident deaths		2	2	4	2	1	6	3	3	8	4	5	4	44
Resident deaths	7.99+*	31	31	26	30	35	16	18	32	26	21	26	32	324

*Deaths per thousand, estimated population 40,514.

Report of the Board of Health

Medford, Mass., December 31, 1921.

To the Honorable Benjamin F. Haines, Mayor, and members
of the Board of Aldermen.

Gentlemen:

Organization

Members:

Alfred J. Hawks, M. D., Chairman; Walter T. Burke, M. D.,
and Frank P. Dyer.

Alvin R. Reed, Agent, Secretary and Clerk.

Leslie E. Morrison, Inspector of Health and Plumbing.

Winslow Joyce, Inspector of Milk and Vinegar.

Paul J. D. Haley, M. D., Medical Inspector.

Francis W. Lumbert, Inspector of Meats and Provisions.

Francis W. Lumbert, Inspector of Animals and Slaughtering.

Harrie W. Peirce, M. D. V., Inspector of Animals and Slaughtering.

Financial Report Year Ending Dec. 31, 1921

General Fund. Received from all sources..	\$3,490.00
Expended	3,242.01
	<hr/>
Balance	\$247.99
Contageous Diseases. Received from all sources	\$2,123.43

Expended	2,118.67
	<hr/>
Balance	\$4.76
Account Clerk and Inspectors. Received from all sources	\$4,500.00
Expended	4,500.00

REPORT OF THE HEALTH INSPECTOR

Medford, Mass., January 3, 1922.

To the Board of Health,
Medford, Massachusetts.

Gentlemen:

I herewith submit my report as Health Inspector for the year ending December 31, 1921. All complaints were investigated and the following inspections made:

Unsanitary premises	44
Garbage carelessly handled	26
Dumping without permission.....	8
Stagnant water	3
Stables	7
Cow-barns	14
Manure improperly stored	9
Pigs	13
Dead animals on highway.....	51
Cesspools and privies.....	5
Odor from sewer-manhole.....	4
Defective plumbing	7
Water supply	5
Milk plants	3
Markets and Provision stores.....	17

Manufacturing establishments	11
Barber-shops	22
Bakeries	25
Infant boarding houses	12
No cause found	23
	<hr/>
Total inspections	309

Respectfully submitted,

L. E. MORRISON,
Health Inspector.

REPORT OF INSPECTOR OF PLUMBING

Medford, Mass., January 3, 1922.

To the Board of Health,
Medford Mass.

Gentlemen:

I herewith submit the twenty-eighth annual report of the Inspector of Plumbing, year ending December 31, 1921:

Permits issued for work in new buildings....	160
Permits issued for renewing old plumbing....	104
Permits issued for connecting old work with sewer	6
	<hr/>
Total plumbing permits issued during the year	270
Inspections	989
Consultations	303
Water Tests	187
	<hr/>

Water-closets installed during the year.....	285
Lavatories installed during the year.....	256
Bath-tubs installed during the year.....	222
Sinks installed during the year.....	252
Wash-trays installed during the year.....	198
	<hr/>
Total new fixtures installed this year....	1213

Respectfully submitted,

LESLIE E. MORRISON,
Inspector of Plumbing.

REPORT OF MEDICAL INSPECTOR

To the Board of Health,
Medford, Mass.

Gentlemen:

I herewith submit my report as Medical Inspector for the year 1921.

Visits made:

Chicken Pox	7
Diphtheria	102
Measles	6
Mumps	4
Ophthalmia Neonatorum	2
Scarlet Fever	4
Scabies	2
Whooping Cough	3
	<hr/>
Total	130

Respectfully submitted,

PAUL J. D. HALEY, M. D.

INSPECTOR OF MILK

Medford, Mass., January 2, 1922.

To the Board of Health,
Medford, Mass.

Gentlemen:

I herewith submit my eighteenth annual report as Inspector of Milk, for the year ending December 31, 1921.

Total number of licenses issued for the sale of milk..	261
Total number of licenses issued for the sale of Oleo- margarine	53
<hr style="width: 10%; margin-left: auto;"/>	
Whole number of licenses issued.....	314
Amount of fees received and paid City Collector....\$157.00	
Samples from stores and vehicles analyzed.....	69
Found below legal standard.....	8
Brought to this office.....	12
Foreign matter found in milk samples.....	4
Vinegar submitted for analysis.....	8
Below legal standard in acetic acid.....	3

Respectfully submitted,

WINSLOW JOYCE,

Inspector of Milk.

REPORT OF INSPECTOR OF MEATS AND PROVISIONS

Medford, Mass., December 31, 1921.

To the Board of Health,
Medford, Mass.

Gentlemen:

As Inspector of Meats and Provisions, I herewith submit the annual report for the year ending December 31, 1921.

Inspections as follows:

Grocery Stores	34
Bakery Shops	10
Lunch Rooms	9
Baker Carts	4
Meat Markets	37
Meat Carts	3
Butter, Cheese and Egg Stores.....	11
Fruit Stores	14
Fish Markets	17
Fish Carts	3
Total	142

Failures to comply with the law:

Meats condemned and destroyed:

	Pounds
Jan. 5, Lamb. spoiled	2½
11, Spare Ribs, tainted.....	6
20, Corned Shoulders, spoiled.....	11
25,	
Feb. 2,	
14,	
25,	
28,	

REPORT OF BOARD OF HEALTH

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March	10, Fresh Pork, tainted.....	2½
	12, Lamb, spoiled.....	8
	17, Corned Beef, animal heat.....	10½
	22,	
April	4,	
	19, Liver, sour.....	3¼
	29, Beef Kidneys, spoiled.....	4
May	3, Lamb Flanks, spoiled.....	6
	7, Tripe	3½
	25,	
June	2, Haddock spoiled.....	11
	8,	
	20, Spare Ribs, spoiled.....	3½
	29, Frankfurts, spoiled.....	1½
July	8, Fresh Tripe, spoiled.....	4½
	13, Pigs' Feet, spoiled.....	6¾
Aug.	8, Cod Tongues, spoiled.....	3¼
	17, Fore Veal, spoiled.....	8¼
	25, Beef Flank, spoiled.....	4½
	30, Pork Chops, spoiled.....	6¼
Sept.	6, Chicken, spoiled.....	12¾
	21,	
	29,	
Oct.	4, Boiled Ham, sour.....	2¾
	15, Flank Steak, spoiled.....	1¾
	21, Shoulder Beef, spoiled	6
Nov.	8,	
	14, Frankfurts, spoiled.....	4¾
	29, Fowl, spoiled	13½
Dec.	Chickens, spoiled.....	12¾
	One Lamb, inspected O. K.....	
Total pounds.....		161

Respectfully submitted,

FRANCIS W. LAMBERT,
Inspector of Meats and Provisions.

Report of the City Physician

Medford, Mass., Dec. 31, 1921.

Hon. Benjamin F. Haines,
Mayor of Medford.

Dear Sir:

The City Physician herewith presents his annual report for the year 1921:

Number of sick firemen examined.....	15
Number of reports made to Chief of Fire Department.	15
Number of sick policemen examined.....	30
Number of reports made to Chief of Police Department	30
Number of calls made to the Police Station.....	35
Number of calls for ambulance.....	21
War veterans examined for State relief.....	2
Reports made of war veterans.....	2
Number of vaccinations.....	5
Number of office calls.....	41
Number of house calls.....	138
Number of calls to City Home.....	199
Number of prescriptions written.....	184
Examinations of applicants for the Fire Department...	4

Very respectfully,

E. W. BARRETT, M. D.,
City Physician.

Report of the Park Commissioners

Medford, Mass., January 1, 1922.

To His Honor, Benjamin F. Haines,
Mayor of the City of Medford.

Sir:

The Board of Park Commissioners herewith present its twenty-ninth Annual Report for the year ending December 31st, 1921.

The coming of Spring the past year, brought forcibly to the attention of your Commission the climatological changes possible to experience in New England, reminding them of the care requisite on the part of the Park Commission, to ask for a sufficient appropriation in the budget, to adequately provide for all emergencies.

The Spring of 1920 was cold and much rain fell, so that the clearing up of the parks and playgrounds was delayed until the 15th of April, while in the year 1921, the month of March brought the warmest weather experienced in many years, so early in the season, and work was of necessity well under way the last week of the month. The work was advanced some three weeks by the warm weather and the cost of maintenance for the year increased over ten per cent.

To meet this additional expense all repairs and improvements even to the replacement of shrubbery killed during the winter was reduced to a minimum, and unfortunately all inspection and spraying for the San Jose scale and other scale pests had to be omitted. Constant rains during the summer months produced a very heavy and un-

usual growth of grass and added much to the expense by the demand for constant cutting of the grass.

The condition of the parks and playgrounds was good, excepting possibly during the second week of July, when unusual heavy rains caused damage that required much labor and several days' constant work to restore.

The Commission individually visited, at various times, all the parks and playgrounds during the year and, with allowance for the unusual season, felt well pleased with the results obtained by Mr. Adams and his men.

The storm of November 28th caused severe damage to trees in the parks and playgrounds, many of the trees being completely shattered and therefore had to be removed. Others were so badly broken and splintered it is doubtful if they will ever recover sufficiently to be useful either for shade or ornamental purposes. Many trees yet remaining will have to be removed eventually, and much careful planting done, and considerable time elapse, before the grounds are restored to their original beauty and usefulness. The cost of removing trees destroyed, properly trimming those damaged, and removing the debris was estimated at \$1000. An emergency appropriation was requested by the Commission on December 8th and granted by the Board of Aldermen December 26th, of \$300. to immediately remove dangerous trees and broken branches. This money appropriated late in the year, and the severe weather experienced at the time, admitted of an expenditure of but a little over half the amount appropriated. As a result a balance of \$134.66 was returned to the Treasury and the work will have to be completed from the appropriation of the coming year.

Last year's report to your Honor contained a full and complete statement of Medford's Parks and Playgrounds in possession of the city up to the year 1921, showing when they were acquired, either by gift or purchase, and other details relating to their location and area. This seemed

most desirable to your Commission as a matter of record and for future reference.

No new grounds have since been acquired.

During the past year, the Commissioners had under consideration, as you know, the taking of certain parcels of land in Ward 2 for playground purposes. Probably no business that has come before your commission has received more thorough, careful and conscientious consideration than has this matter of providing playground accommodation for the inhabitants of Ward 2. Your Honor and members of the Board of Aldermen, as well as the City Solicitor and the Chairman of the Board of Assessors, have met at various times and thoroughly discussed the advisability of the project with the Commission. The land under consideration, situated at the junction of Fellsway West and Park Streets, appears to be the only land available for playground purposes within the Ward. It has a frontage of about 453 feet on Fellsway West and 410 feet on Park Street.

Situated in a thickly populated district, there live in the immediate vicinity many little children, who now have few accommodations for playing in comfort and safety, and for them it would seem that a playground should be provided.

If this land be acquired it would necessitate the taking of three houses now located on the premises and their removal to other locations, either by the present owners, or the Park Commission, and it would be incumbent on the city to extend on the south side Fulton Terrace to Park Street. This latter is a much desired improvement, aside from the taking of the adjacent land for playground purposes. Your Commission is informed that the proper assessment of betterments would practically meet the cost of this extension. The further information was given that the improvements made by the extension of Fulton Terrace and the playground when constructed would result

in such increased valuation of the surrounding property that the first cost to the city would be met within ten years.

The thought of the Commission has been perhaps conservative as to a recommendation on this matter. They feel that the primary cost to the city will be considerable and are somewhat uncertain whether the demand is such as to warrant the recommendation.

However, if the people feel the need of the playground is sufficiently pressing, as the land under consideration being the only available land within the Ward, and presumably if not soon taken would be lost by future development, the Commission will not oppose the taking, if your Honor and the Board of Aldermen, after consideration of all the conditions approve.

A statement of all facts in the case was prepared and was to have been in your Honor's possession before the end of the year, but your illness and consequent absence from the city prevented. Presumably it will however soon come under your observation and may then be sent to the Board of Aldermen.

The Bath-houses were opened June 16th and closed September 6th. Henry J. O'Brien, as in previous years, was appointed and served as Caretaker. Total attendance reported during the season was 33,788.

Last year it was considered probable, owing to the dilapidated condition of the houses and the constantly increasing number of both men and women making use of them, that money could be provided and new buildings erected this year. But the City's financial condition would not admit of this expense, and in consequence an appropriation of \$550 was requested by the Commission and obtained in June, for repairs to the old buildings.

This work undertaken during the month of July, provided a concrete underpinning for the men and boys' bath-houses and a wooden floor. General repairs and painting of both the houses and a grading of the beach completed

the work. The fact remains, however, that the quarters are far too small to provide accommodations sufficient to meet the needs of those desiring to make use of the bathing privileges.

The matter of bath-houses and bathing accommodations has been so thoroughly discussed in previous reports your Commission feel it unnecessary to say more in this report.

During the year the plans for the development of the playground in Ward 7, for which land was acquired by the City in 1920, have been prepared; and the Commission is now able to undertake the work whenever the City decides to appropriate the money for its construction.

Much loss and damage on parks and playgrounds and to playground apparatus has occurred at various times during the year.

The Superintendent reports that on Morrison Playground three teeter board and three swings were carried off, and those guilty of the theft have never been apprehended or the articles recovered, unless the finding of the chains of one of the swings by the Superintendent on Craddock Field, Malden, be excepted. The drinking fountain was so badly damaged that a new casting was required.

On Logan Grove the top of the drinking fountain was broken, two signs destroyed, wire fence protecting the rhododendron bed destroyed and plants damaged.

On Magoun Park a sign was destroyed and shrubbery damaged; on the Common the drinking fountain was damaged; on Summer Street Playground a teeter board was broken and damage done to the drinking fountain; on Tufts Park Playground one swing and one teeter board were broken.

On Hastings Heights two heavy locks protecting the tower were destroyed and the flag halyards cut and so

damaged that it was necessary to lower the topmast to reeve new halyards. On the Delta one of the rails of the fence was torn out and the fastening irons were broken off.

The loss as above enumerated amounts to \$250. These are some of the more important acts of vandalism; but also many of minor importance were committed, causing a considerable additional expense.

The Park Commissioners feel that some way to prevent this wanton and unreasonable destruction should be devised. Efficient police protection must in some way be provided. For if the depredations are allowed to go unpunished, a constant increase may be expected; and the cost will soon be so great to the City that a special appropriation will be required as an item in the Commission's budget of appropriations, as there is no allowance for this cost at the present time and other work suffers in consequence.

The lighting of the parks and playgrounds has been somewhat improved, but more lights are required. If a comprehensive plan for lighting the grounds was made and carried out, it would protect the citizens using the grounds as well as the homes of those living near, and materially assist the police in protecting property.

The Commission appeals to your Honor for help in this important matter.

For a third season Mr. James E. Mansfield was appointed supervisor of Playgrounds, and Mr. Buss and Mr. Collins of the Commission were appointed to have direct care and supervision of all matters pertaining to this work. For their care and thoughtfulness and their time so generously given, their fellow Commissioners desire to thank them and express their appreciation for the good work accomplished.

The complete report of Mr. Mansfield to the Commission of the season's work on the playgrounds in detail has been made and is submitted as a part of this report.

A petition was received to play soccer football on Morrison Playground. This petition was referred to Mr. Adams for investigation, and as a result of his report, the Commission voted to grant a permit and to make the proper arrangements for playing this game, with the understanding that it was not to interfere with either baseball or football.

A complete report of the work on Medford's Parks and Playgrounds was prepared by Mr. Adams, as was done last year, and forwarded to Miss Florence S. Nelson, No. 1 Madison Avenue, New York, for the Playground & Recreation Association of America, as requested by the Association.

In the Commission's report for 1920 a statement of the expense incurred by the State in the development of the Mystic Valley Reservation was brought up to date. The total expended to January 1, 1921 was \$635,723.50. This amount did not include the value of the land deeded by the City of Medford to the Commonwealth for care and control. On the work of the Metropolitan District Commission there has been no new development of Mystic Valley Parkway and Mystic River Reservation since 1920. Such work as has been done is that of maintenance of the roadways and shores of the river under the control of the Commission. The amount expended for this maintenance has been \$78,431.53.

The Commission submits for inspection the "Public Commons," "Playgrounds Equipment," "Bath Houses" and "Playground Supervision" Accounts for January 1st to December 31st, 1921.

City of Medford

Park Department—1921

"Public Commons" Account, January 1 to December 31:

Receipts

April 15, Appropriation	\$8,400.00	
Dec. 21, Transfer from "Play- grounds Supervision".....	209.38	
Dec. 21, Appropriation, Ice Storm Emergency	300.00	
	<hr/>	\$8,909.38

Expenses

Supervision and office expenses	\$1,402.13	
Pay rolls and teaming.....	6,784.03	
Repairs and Improvements to Parks, Playgrounds and Structures	180.75	
Tools Account	168.28	
Supplies Account	239.53	
Balance	134.66	
	<hr/>	\$8,909.38

Playgrounds
(Supervision)

Receipts

April 15, Appropriation	\$1,800.00	\$1,800.00
-------------------------------	------------	------------

Expenses

Supervisor	\$200.00	
Pay Rolls	1,136.00	
Supplies	202.12	
Sand	52.50	
Balance	209.38	
	<hr/>	\$1,800.00

Bath Houses

Receipts

April 15, Appropriation	\$350.00	
June 21, Appropriation for Re- pairs to Buildings.....	550.00	
	<hr/>	\$900.00

Expenses

Caretaker, carpenter, laborers, pay roll	\$603.03	
Repairs (Materials)	296.93	
Balance04	
	<hr/>	\$900.00

Playground Equipment

(Bond Issue)

Balance (None expended)		\$3,000.00
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Park Street and Wellington Parks

(Bond Issue)

Balance		\$9,442.69
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Expenses

Feb. 1, Estate of A. A. Knight for Lot 155.....	\$500.00	
June 3, Surveys, plans and esti- mates for grading Welling- ton Playground	250.00	
Balance	\$8,692.69	
	<hr/>	\$9,442.69

Estimates**Appropriation Requested for 1922**

The Commission recommends the following appropriation for the use of the Park and Playgrounds Department for the ensuing year:

Public Commons, including Playgrounds:

Salary, Superintendent...	\$800.00	
Salary of Clerk.....	400.00	
Office Expenses	100.00	
Pay Rolls and Teaming...	6,500.00	
Repairs and improvements to Parks, Playgrounds and structures	600.00	
Tools Account	200.00	
Supplies	300.00	\$8,900.00
Supervision of Playgrounds.....		1,800.00
Bath Houses		400.00
		<hr/>
Total		\$11,100.00

A copy of the reports of E. P. Adams, Park Superintendent, and Mr. James E. Mansfield, Supervisor of Playgrounds, are appended as part of this report; and your Honor's attention and that of the Board of Aldermen is requested to their statements of the needs of Medford Parks and Playgrounds.

Respectfully submitted,

WILTON B. FAY,
IRWIN O. WRIGHT,
HERMAN L. BUSS,
THOMAS D. COLLINS,
ARTHUR W. CROCKFORD.

Park Commission, City of Medford.

**Report of Superintendent of Parks and Playgrounds
1921**

Medford, Mass., January 2, 1922.

Hon. Wilton B. Fay, Chairman,
Board of Park Commissioners,
Medford, Mass.

Dear Sir:

The following annual report of park and playground work during the year 1921 is respectfully submitted. During the eight weeks ending August 31, James E. Mansfield was Supervisor of Playgrounds, and all supervised playground activities are covered in his report.

Maps and charts were made for the annual report of the Commission, to show more clearly the facts presented, and were printed with the report.

For the first time in this department regular winter work was attempted. Mr. Ingraham began January 3rd winter pruning of shrubs, repairing and painting apparatus, mowing machines and tools, also gypsy moth work, occasionally shoveling snow and spreading gravel on icy sidewalks fronting the parks. The advantage of having all this work done early was very apparent.

Spring came upon us a month ahead of the usual time in recent years. The temperature March 21st at noon was 87 degrees—a record;—and immediately afterward the Spring park work began in earnest, with three men and single team. Four more laborers were added, one by one, as the growing season advanced.

The extra early work increased the annual labor cost about ten per cent. A torrential rain July 9th in which over six inches fell, the heaviest rain on record, and the ice storm of November 28th increased the labor cost another

ten per cent, by wash-outs at Tufts Park and broken tree branches at every park and playground. Only half of the increased cost had been provided for in the budget.

As there was no additional appropriation available until December 21st, the increased labor cost was met largely by reducing contemplated repairs and improvements. During the last week of the year, the work of removing broken branches and pruning trees was met by transfer and extra appropriation.

As usual, the largest part of the labor expense was for mowing grass. The parks and playgrounds were green throughout the summer, and it was rush work most of the time to keep up with the growth of grass. In consequence the shrubbery beds were not dug over as often as was desired.

Pruning shrubs and fence repairing were not neglected. Park seats were repaired and painted. The back stop at Tufts Park Playground became so dilapidated by decay of the wooden posts and stringers that it was removed. A new back stop will be needed next April. At the Delta new rails for the fence between stone posts will be needed on account of decay at the ends of many of the rails.

At the bath houses off Foster's Court the total attendance was somewhat smaller than in 1920, but the open season was much shorter, 83 days instead of 96 days. Henry J. O'Brien was the Caretaker as in every former season since 1912 when the bathhouses were erected. His reports of daily attendance show an average daily attendance of 407, which is larger than any previous year. The caretaker was in attendance every day from June 16 to September 6, inclusive. There was an attendance of 515 on the last day. The maximum attendance was 770 on July 27. Ten days longer presence of caretaker would have been desirable.

This year the attendance of women was practically as large as the attendance of men, and the attendance of

girls was 9 per cent larger than the attendance of boys. The total attendance reported was 33,788. The daily attendance is shown in the table appended to this report.

The appropriation of \$550.00 the last of June for repairs of bath-houses enabled this department to completely repair both bath-houses in July and to do the painting and grading at the end of the bathing season. This repairing included a concrete foundation wall and wooden floor in the men and boys' bath-house, as well as a dozen new corrugated iron plates and new doors and locks, also a complete set of ash pegs and minor repairs to both bath-houses.

June 16, the woven wire fence at Tufts Park was erected between the athletic field and the children's playground. The materials had been purchased last year. It had been intended to extend the woven wire iron fence at Magoun Park, but the extra labor required by the early season and the ice storm necessitated the postponement of this improvement. The spraying of trees and shrubs was another work postponed.

One of my recommendations of last year has been carried out this year,—the winter pruning, repairing, painting and gypsy moth work. I shall again call attention to the other four recommendations: (1.) Three additional electric lights at Tufts Park Playground; (2.) Small playgrounds with children's apparatus; (3.) Woven wire fencing at Magoun Park and (4.) Survey and plan of Magoun Park, and permanent bounds should be set there. I recommend also a new tubular post back stop at Tufts Park Playground similar to the back stop at the Playstead.

Respectfully submitted,

EDWARD P. ADAMS,

Superintendent of Parks and Playgrounds.

**CITY OF MEDFORD, FOSTER COURT BATH HOUSES
ATTENDANCE**

From the Reports of Henry J. O'Brien, Caretaker, 1921

Date	Day	Women	Girls	Men	Boys	Total
June, 1921						
16	Thurs.	2	16	2	10	30
17	Fri.	8	25	6	20	59
18	Sat.	12	50	10	40	112
19	Sun.	30	45	25	50	150
20	Mon.	10	40	12	35	97
21	Tues.	20	75	15	50	160
22	Wed.	40	250	25	200	515
23	Thurs.	40	150	30	175	395
24	Fri.	60	300	50	250	660
25	Sat.	60	275	50	250	635
26	Sun.	65	300	60	250	675
27	Mon.	60	250	40	225	575
28	Tues.	20	175	30	150	375
29	Wed.	15	100	10	75	200
30	Thurs.	2	10	1	10	21
Total		444	2061	370	1790	4665

FOSTER COURT BATH HOUSES, ATTENDANCE—Continued

Date	Day	Women	Girls	Men	Boys	Total
July, 1921						
1	Fri.	2	8	3	10	23
2	Sat.	25	125	20	100	270
3	Sun.	40	225	50	200	515
4	Mon.	60	275	75	250	660
5	Tues.	50	250	50	225	575
6	Wed.	70	225	75	200	570
7	Thurs.	60	250	50	225	585
8	Fri.	75	250	60	250	635
9	Sat.	25	150	25	100	300
10	Sun.	35	200	30	150	415
11	Mon.	25	150	25	125	325
12	Tues.	30	200	30	175	435
13	Wed.	40	250	50	200	540
14	Thurs.	50	225	60	250	585
15	Fri.	10	35	10	60	115
16	Sat.	45	225	50	200	520
17	Sun.	60	275	75	250	660
18	Mon.	50	225	40	200	515
19	Tues.	40	250	50	250	590
20	Wed.	25	225	35	200	485
21	Thurs.	10	40	10	30	90
22	Fri.	50	250	40	225	565
23	Sat.	60	275	40	250	625
24	Sun.	50	300	50	275	675
25	Mon.	60	300	50	275	685
26	Tues.	70	325	60	300	755
27	Wed.	75	325	70	300	770
28	Thurs.	60	300	75	275	710
29	Fri.	30	150	25	150	355
30	Sat.	40	175	50	250	515
31	Sun.	30	200	40	175	445
Total		1352	6658	1373	6125	15508

FOSTER COURT BATH HOUSES, ATTENDANCE—Continued

Date	Day	Women	Girls	Men	Boys	Total
August, 1921						
1	Mon.	15	125	25	100	265
2	Tues.	20	100	20	75	215
3	Wed.	20	125	25	100	270
4	Thurs.	30	100	40	125	295
5	Fri.	20	135	25	100	280
6	Sat.	40	150	50	150	390
7	Sun.	40	175	50	200	465
8	Mon.	30	150	25	125	330
9	Tues.	35	125	25	150	335
10	Wed.	30	150	40	175	395
11	Thurs.	50	225	60	200	535
12	Fri.	50	200	50	175	475
13	Sat.	50	175	60	200	485
14	Sun.	40	175	50	150	415
15	Mon.	20	150	25	100	295
16	Tues.	25	100	20	75	220
17	Wed.	25	125	30	100	280
18	Thurs.	35	150	25	75	285
19	Fri.	30	100	20	75	225
20	Sat.	50	200	50	175	475
21	Sun.	50	175	60	200	485
22	Mon.	25	100	30	125	280
23	Tues.	25	150	35	150	360
24	Wed.	30	150	25	125	330
25	Thurs.	25	125	20	100	270
26	Fri.	20	75	10	75	180
27	Sat.	20	100	25	125	270
28	Sun.	35	125	40	150	350
29	Mon.	30	150	25	125	330
30	Tues.	35	175	40	150	400
31	Wed.	40	150	50	150	390
Total		990	4410	1075	4100	10575

FOSTER COURT BATH HOUSES, ATTENDANCE—Continued

Date	Day	Women	Girls	Men	Boys	Total
September, 1921						
1	Thurs.	40	175	45	150	410
2	Fri.	50	225	50	200	525
3	Sat.	60	250	75	250	635
4	Sun.	40	150	50	200	440
5	Mon.	50	225	40	200	515
6	Tues.	40	200	50	225	515
Total		280	1225	310	1225	3040

Month	Women	Girls	Men	Boys	Total
June	444	2061	370	1700	4665
July	1352	6658	1373	6125	15508
August	990	4410	1075	4100	10575
September	280	1225	310	1225	3040
Total	3066	14354	3128	13240	33788

Fourth Annual Report
Department of Playground Supervision
City of Medford

To the Board of Park Commissioners,
Gentlemen:

I hereby present the fourth annual report of the Supervisor of Playgrounds in relation to the work of the instructors at the parks of the city for the season of 1921.

The following instructors were selected by the Supervisor and appointed by the Park Board:

Tufts Park

Miss Alice Kelley, Medford.
Francis Bowler, Medford.

Brooks Playstead

Miss Elsie Allen, Medford.
Seldon Coombs, Medford.

Summer Street Playground

Miss May Cleary, Medford.
Philip Towle, Medford.

Morrison Park

Miss Miriam Starr, Medford.
Charles Donnellan, Medford.

No Supervisor of girls' and smaller children's work was appointed, it being thought best to have a girl instructor at each park every day and have each instructor supervise the work at her park. In past seasons the Supervisor was stationed at Summer St. part time spending the rest of her week at the other parks. This left the Summer Street Playground without an instructor two days a week. For this reason the change was thought advisable.

The season opened on Thursday, July 7th, and closed on Wednesday, August 31st.

Tufts Park

As in past seasons this park was attended in larger numbers than the others. During the hot days the children flock to the park where they can take part in different games and enjoy the shade afforded. Miss Kelley and Mr. Bowler did very good work with the children. They were both particularly successful with their teams. The boys of this park won the championship in baseball and the Tufts girls were superior to the girls of the other parks in Bat and Dodge ball.

There is a great need of more swings at this park, the ones there always being in use by the smaller children. A fountain centrally located would be a great improvement.

Brooks Playstead

The interest of the children at the Playstead increased steadily throughout the season. The instructors, Miss Allen and Mr. Coombs were exceptionally well liked and very successful in handling the children.

This park could be made into one of the best in this section. I recommend, as I did last year, the cutting of a path around the bases on the baseball diamond. I

also suggest the laying out of tennis courts in the unused stretch of land beyond the ditch. This would be a great improvement if a sum of money could be appropriated for the purpose.

Summer Street

The interest at the Summer Street Playground was of the same high standard as it has been since Mr. Towle took charge. Baseball was the popular game with the boys and great interest prevailed even on the extremely hot days. Miss Cleary was very well liked by the girls and small children and conducted their games in a very able manner.

A shelter is greatly needed at this park. A resurfacing of the baseball diamond would also be a great improvement, the present surface being very rough, so much so that baseballs are destroyed in a very short time, thereby impairing play.

Morrison Park

The attendance at this park was not quite as great as during last season. I believe this was due to the stretch of hot weather and the lack of shade on the grounds. The instructors, Miss Starr and Mr. Donnellan did very well and kept the children interested at all times.

More swings could be used at this park as the ones there are in constant use. Police supervision at night is greatly needed at this park. There seemed to be a rough element there evenings which persisted on destruction, particularly in breaking into the equipment box, so much so that we were forced to keep our equipment elsewhere.

The Supervisor believes that the season was successful. The Field Days which were held at the four parks were very well attended and closely contested. The senior

and junior baseball leagues were of great interest to the boys. The Tufts Park team was champion of the Senior league while the Playstead boys won the Junior championship.

The Supervisor wishes to express his appreciation to all who helped to make the season a successful one, namely: the members of the Park Board, Superintendent Adams, Mr. Reed and the instructors of the different parks; he also wishes to thank the press for the space given in publishing the events of the season.

Respectfully submitted,

(Signed) JAMES E. MANSFIELD,

Supervisor of Playgrounds.

City of Medford, Massachusetts.

Nov. 22, 1921.

MEDFORD PLAYGROUNDS, SEASON OF NINETEEN TWENTY-ONE

Table I—Weekly and Total Attendance

	July				August				Total
	7	14	21	28	3	10	17	24	
Tufts	780	980	1170	1235	1260	1620	1235	1270	9545
Playstead	480	470	500	580	590	575	580	980	4815
Summer St.	542	580	560	535	1025	582	590	550	4964
Morrison	525	540	520	510	515	535	970	560	4675
	2327	2570	2810	2860	3390	3312	3370	3360	23,999

Table II—Attendance of Boys

	July				August				Total
	7	14	21	28	3	10	17	24	
Tufts	375	485	565	615	640	840	650	695	4860
Playstead	285	280	295	305	315	290	295	495	2560
Summer St.	265	305	295	280	520	300	305	290	2560
Morrison	260	285	265	255	265	260	510	285	2385
	1185	1355	1420	1455	1740	1690	1760	1765	12,370

Table III—Attendance of Girls and Small Children

	July				August				Total
	7	14	21	28	3	10	17	24	
Tufts	405	495	605	620	620	780	580	575	4680
Playstead	195	190	265	275	275	285	285	485	2255
Summer St.	277	275	265	255	505	282	285	260	2404
Morrison	265	255	235	235	230	275	460	275	2290
	1142	1215	1390	1405	1650	1622	1610	1595	11,629

Cost of attendance of each child per session:

\$1800 equals \$0.075

23,999

Respectfully submitted,

(Signed) JAMES E. MANSFIELD,

Supervisor.

Report of Overseers of the Poor

To His Honor, Benjamin F. Haines,
Mayor of the City of Medford,

Dear Sir:—

In compliance with the City Ordinances, the Board of Overseers of the Poor herewith submits its report for the year ending December 31, 1921.

This department received for use at the City Home by appropriation \$5000.00, for Outside Relief including Mother's Aid, \$23,000.00. The sum actually expended was \$14,589.68 at City Home and \$30,146.56 for Outside Relief. Of this amount the following bills contracted during the year 1920 were paid:

CITY HOME

Salary for Nurse.....	\$10.74	
Groceries and Provisions.....	1,234.25	
Water Department	83.76	
Telephone	11.36	
Equipment and Repairs.....	377.87	
Furniture and Furnishings....	43.77	
Fuel and Light	612.38	
Dry Goods and Clothing.....	53.09	
Medical Attendance and Medi- cine	250.64	
Live Stock	75.00	
Hay, Grain and Shoeing.....	304.62	
All Others	121.85	
	<hr/>	\$3,179.33

Outside Relief, including Mothers' Aid

Fuel	86.00	
Groceries and Provisions	63.46	
Dry Goods and Clothing.....	135.94	
Burials	60.00	
State Institutions	828.28	
Medical Attention and Medicine	32.20	
Board and Care (Outside City)	137.66	
Relief by City of Malden.....	485.33	
Relief by City of Somerville...	53.33	
		\$1,882.20

There has been received by the City on account of this Department \$1,961.68.

There is now due about \$6,000.00 on account of Outside Relief. On Jan. 1, 1921, there were 18 inmates, 10 men and 8 women, at the City Home. Seventeen were admitted during the year. There are 22 families, Mother's Aid Cases with 68 dependents; Outside Relief 26 families with 66 dependents. There were an additional of six Mothers' Aid Cases with 14 dependents of Medford settlement but living elsewhere.

Board of children, outside of the City, eight; in Medford seven.

Rent paid monthly for three families with 13 dependents.

There are seven children boarded in State Institutions, and six adults in State Infirmary.

There are now at the City Home 26 inmates. Five inmates died during the year. One inmate sent to State Farm. Discharged 3.

We herewith submit a statement of the receipts and expenditures.

CITY HOME

Receipts

Appropriation	\$5,000.00	
Transfers	2,000.00	
Board of Individuals.....	1,383.70	
Sale of Produce	376.73	
Miscellaneous	18.75	
	<hr/>	\$8,779.18
Repairs		500.00

Expenditures

Salary of Superintendent.....	\$999.97	
All Other Salaries.....	3,735.46	
Groceries and Provisions.....	3,591.02	
Fuel and Light	1,613.46	
Telephone	89.86	
Furniture and Furnishings....	331.00	
Dry Goods, Clothing and Shoes	496.77	
Equipment	614.92	
Water	85.32	
Medical Attendance, Medicine	351.84	
Live Stock	299.39	
Hay and Grain.....	695.63	
Shoeing	113.10	
Farm Supplies	24.13	
Miscellaneous	591.86	
Painting interior of City Home	465.20	
	<hr/>	\$14,098.93
Repairs		490.75

OUTSIDE RELIEF

Receipts

Appropriation	\$23,000.00	
Receipts	182.50	
	<hr/>	\$23,182.50
Special Fund		328.11

Expenditures**Relief in City:**

Cash Allowances.....	\$7,752.40	
Groceries and Provision..	255.05	
Fuel	503.90	
Board and Care.....	2,343.41	
Dry Goods and Clothing..	319.03	
Drugs and Medicine.....	87.16	
Medical Attendance Nurs- ing	12.00	
State Institutions	1,882.13	
Other Institutions	1,219.96	
Burials	95.00	
Miscellaneous	127.23	
	<hr/>	\$14,597.27

Relief Outside City Medford Settlement:

City of Boston.....	\$162.00	
City of Everett.....	132.05	
City of Malden.....	36.00	
City of Somerville,.....	37.00	
	<hr/>	\$367.05

Mother's Aid in City:

Cash Allowances	\$11,486.75	
Rent	470.50	
Shoes and Clothing.....	24.53	
	<hr/>	\$11,981.78

Outside City Medford Settlement:

City of Malden.....	\$987.16	
City of Somerville.....	560.97	
Department Expenses:		
Salaries of Overseers.....	\$800.00	
Secretary Overseers	349.92	
Stationery and Postage..	8.40	

Traveling Expenses	9.50	
Auto	483.51	
Miscellaneous	1.00	
	<hr/>	\$1,662.33
Outside Relief		28,484.23
Total		30,146.56

The Board of Overseers recommends that sufficient money be appropriated to care for the Farm Buildings, which are in need of repair and paint. From the records of this Board these buildings have not been painted for twenty-five years.

We desire at this time to express our appreciation for the care and attention rendered by the City Physician and also Doctor Andrew Guthrie.

In closing we desire to thank Your Honor for the many courtesies which you have extended to this Department during the past year.

Respectfully submitted,

JOHN J. FITZ GERALD,
GEO. J. HACKETT,
REUBEN M. PITMAN,

Overseers of the Poor.

Report of the Street Commissioner

January 2, 1922.

Honorable Benjamin F. Haines,
Mayor of the City of Medford.

Dear Sir:—

In response to your request, and in compliance with the City Charter, I submit the following report of the work done by the Street and Moth Departments, for the fiscal year 1921.

RECOMMENDATIONS

City Yard

A garage to be built in the City Yard to house Auto Trucks and Steam Rollers. Proper care of same cannot be given without a proper building for that purpose as they are now more or less outdoors.

Winthrop Street Crusher

Reconstruction of plant so we can start crushing stone with our own help which I make a request for in the Budget Estimate.

Winthrop Street

Taking and widening of Winthrop Street.

New Truck

I advise the purchase of a new three and one-half (3½) ton truck to take the place of truck bought in 1916-17, if suitable trade can be made or by retaining same and new truck if not.

General Repairs of Highways

Appropriation and Receipts.....		\$61,466.05
Payrolls	\$35,506.42	
Invoices	26,061.69	
Transfers to Other Ac- counts	19.21	
	<hr/>	\$61,587.32
Debit balance from 1921		<hr/> \$121.27

General Repairs of Highways Payrolls Itemized

Care of Stables.....	\$7,330.72	
Cleaning Catch Basins....	4,139.11	
Office Salaries	237.00	
Patching Streets	9,044.52	
Removal of Snow.....	3,477.59	
Street Cleaning and Sec- tion Men	11,277.48	
	<hr/>	\$35,506.42

General Repairs of Highways Bills Itemized

Forage and Veterinary:

Hay	\$1,570.44	
Oats	1,556.55	
Miscellaneous Feeds.....	222.90	
Straw	92.13	
Veterinary and Prescrip- tions	49.31	
	<hr/>	\$3,491.33

Miscellaneous Bills:

Insurance	494.75	
Miscellaneous, including Repairs	2,903.07	
	<hr/>	\$3,397.82

Stable Maintenance:

Telephone	\$15.30	
Miscellaneous, including Lights and Water....	259.47	
Harness Repairs, etc.....	830.70	
Supplies	869.08	
Blacksmith Supplies, etc...	419.15	
	<hr/>	\$2,393.70

Steam Roller Maintenance:

Repairs and Materials....	\$352.61	
Coal	604.42	
Express and Freight.....	1.85	
	<hr/>	\$958.88

Tools and Equipments:

Automobiles, etc.	\$4,313.33	
Supplies, Lumber and Crushed Stone.....	6,161.71	
Tools, Repairs, Material and Equipment	2,274.61	
Oils and Binders.....	3,070.31	
	<hr/>	\$15,819.96

Collection of Ashes and Paper

Appropriation, including Transfers.....	\$36,000.00	
Receipts	208.30	
	<hr/>	\$36,208.30

Payrolls	\$32,345.35	
Tools, Repairs and Ma- terials	272.67	
Automobiles Repairs, etc.	1,793.09	
Supplies, including Forage	1,672.69	
Miscellaneous	124.50	
		\$36,208.00

The following schedule shows the increase in the collection of ashes for the past few years:

	Single loads	Double loads	Truck loads
1915	12,301	1,573	171
1916	13,565	2,315	242
1917	12,291	2,457	1,051
1918	9,866	2,647	2,644
1919	10,200	1,670	2,499
1920	10,699	4,242	2,728
1921	8,776	4,642	3,164

The following loads of paper were collected during 1921: Single Loads, 944.

Collection of Offal

Appropriation, including Transfers.....		\$17,500.00
Receipts		5,775.00
		\$23,275.00
Payrolls	\$20,453.45	
Tools, Repairs, Material and Supplies	797.99	
Advertising, Printing, etc.	9.76	
Automobiles, etc.	2,104.77	
Miscellaneous	200.00	
Debit balance from 1920..	950.96	
		\$24,516.93
Debit balance 1921...		\$1,241.93

Loads of Offal collected during the last three years:

	Single Loads
1919	2,447
1920	2,505
1921	2,707

Bridges

Appropriation		\$250.00
Payrolls	\$229.44	
Lumber	9.00	
Transfers to Other Ac- counts	11.56	
	<hr/>	\$250.00

Guide Boards and Street Signs

Appropriation		\$700.00
Payrolls	\$440.31	
Signs	213.70	
Traffic Signs	43.50	
Miscellaneous	2.49	
	<hr/>	\$700.00

Sixty-nine signs have been placed during the past year, follows:—

Single

Dunbar Avenue (2)	Williams Street
Yeamans Avenue (2)	Governors Avenue (2)
Newton Road (2)	Water Street
Woodside Square	Hancock Avenue
Cavanaugh Square	Curtis Street
McDonald Road (2)	Sharon Street
Schofield Square	Laurel Street
Thomas F. Leahy Square	Cross Street
Stearns Avenue	Canal Street
Manning Street	Monument Street
West Street	Holton Street (2)
Magoun Avenue	Grant Avenue (2)

Central Avenue	Pinkert Street (2)
Pleasant Street	Charnwood Road
Burnside Street	River Street (2)
Lyman Street	Berwick Road (2)
Sherman Street	Mystic Street
Kenmere Road (2)	Usher Road

Double

Thatcher Street	
Bradbury Avenue	8 Traffic Signs
Fells Avenue	3 Private Way Signs
Wareham Street	11 Double Signs
Pembroke Street	47 Single Signs
Powder House Road	—
Sheridan Avenue	69 Total
Liberty Avenue	
Sumner Avenue	
Dearborn Street	
River Street	

Sidewalks and Edgestones Construction

Balance from 1920.....		\$8,663.25
Appropriation and Assessments.....		23,235.17
		<hr/>
		\$31,898.42
Payrolls	\$12,963.97	
Materials	8,713.19	
Edgestone	1,361.65	
Engineering and Miscel- laneous	537.71	
Tools, Repairs, including Automobiles	517.70	
Transfers to Other Ac- counts	2,404.06	
	<hr/>	\$26,498.28
		<hr/>
		\$5,400.14

Sidewalks Assessments

Lin. Ft. Edgestone	Lin.Ft. Circle Edgestone	Granolithic Sq. Yds.	Corner Blocks
1,466.58	68.20	2,198.05	2

Sidewalks and Edgestones Maintenance

Appropriation		\$7,000.00
Receipts		4,103.98
		<hr/>
		\$11,103.98
Payrolls	\$7,249.55	
Materials and Supplies...	3,825.29	
Tools and Repairs.....	36.39	
Automobiles, etc.	58.25	
Miscellaneous	240.47	
	<hr/>	
		\$11,409.95
		<hr/>
Debit Balance, 1921..		305.97

Total amount of edgestone and granolithic put in on
Petition for 1921:

Lin. Ft. Edgestone	Lin. Ft. Circle Edgestone	Sq. Yds. Granolithic	Corner Blocks
1,114.21	160.72	1,988.99	1

New Streets

Ten (10) new Streets were accepted during 1921

Surface Drains Construction

Balance from 1920.....	\$6,338.29
Appropriation	18,000.00
Receipts	116.25
	<hr/>
	\$24,454.54

Payrolls	\$4,697.73	
Material, etc.	3,937.40	
Tools, Repairs, etc.....	24.00	
Automobiles	79.36	
Miscellaneous, including Engineering	174.72	
	<hr/>	\$8,913.21
Balance from 1921...		<hr/>
		\$15,541.33

Surface Drains were laid in the following streets:

Amaranth Avenue	Cherry Street	Ravine Road
Bradbury Avenue	Dartmouth Street	Sagamore Avenue
Bowdoin Street	Fulton Spring Road	Tontine Street
Bower Street	Park Street	

Surface Drains Maintenance

Appropriation, including Transfers.....		\$1,019.21
Payrolls	\$918.86	
Invoices	100.35	
	<hr/>	\$1,019.21

Original Construction of Streets

Balance from 1920.....		\$298.21
Transferred from Other Accounts.....		83.04
		<hr/>
		\$381.25
Payrolls	\$350.95	
Miscellaneous, including Engineering	30.30	
	<hr/>	\$381.25

The following summary shows a list of bituminous macadam roadway constructed in 1921:

Ward 5—By Municipal Labor

STREET	FROM	TO	Sq. Yds. Rd
Berwick Road	Harvard Street	Yale Street	750
Bowdoin Street	Dartmouth Street	Colby Street	350
		Total	4250

Widening Salem Street

Appropriation		\$9,000.00
Payrolls	\$3,678.56	
Tools and Repairs.....	93.24	
Materials and Supplies....	833.39	
	<hr/>	\$4,605.19
Balance from 1921....		<hr/> \$4,394.81

Amaranth Avenue Construction

Appropriation		\$8,000.00
Payrolls	\$2,258.82	
Tools, Repairs, including		
Automobiles	469.52	
Materials and Supplies...	3,376.33	
Miscellaneous, including		
Engineering	261.82	
Transfers to Other Ac-		
counts	83.04	
	<hr/>	\$6,449.53
Balance from 1921...		<hr/> \$1,550.47

Dwyer Circle Construction

Appropriation		\$8,000.00
Payrolls	\$1,432.03	
Materials and Supplies...	1,224.06	
Miscellaneous, including Engineering	100.00	
		<u>\$2,756.09</u>
Balance from 1921...		<u>\$5,243.91</u>

Gourley Road Construction

Appropriation		\$11,000.00
Payrolls	\$2,719.09	
Tools and Repairs.....	89.04	
Materials and Supplies...	4,676.49	
Miscellaneous, including Engineering	279.80	
		<u>\$7,764.42</u>
Balance from 1921...		<u>\$3,235.58</u>

Street Watering and Oiling

Appropriation		\$18,000.00
Credits		240.00
		<u>\$18,240.00</u>
Payrolls	\$4,456.05	
Oils	12,602.44	
Automobile Repairs	984.60	
Transfers to Other Ac- counts	196.91	
		<u>\$18,240.00</u>

Stone Bounds

Appropriation		\$400.00
Payrolls	\$367.60	
Engineering	24.64	
Transfers to Other Ac- counts	7.76	
	<hr/>	\$400.00

Nine Stone Bounds were set in 1921.

Gypsy and Brown Tail Moths

Appropriation		\$6,500.00
Payrolls	\$6,235.69	
Materials and Supplies....	110.30	
Tools, Repairs and Equip- ment	122.75	
Transfers to Other Ac- counts	31.26	
	<hr/>	\$6,500.00

Care of Trees

Appropriation, including Transfers.....		\$4,500.00
Payrolls	\$4,406.11	
Tools and Repairs.....	54.02	
Materials and Supplies....	3.75	
Transfers to Other Ac- counts	36.12	
	<hr/>	\$4,500.00

Paving Gutters

Appropriation		\$500.00
Payrolls	\$499.58	
Transfers to Other Ac- counts .....	.42	
	<hr/>	\$500.00

Permanent Hassam Block Paving

Balance from 1920..... \$146.21

Pension Account

Appropriation \$2,350.00

 Payrolls \$2,350.00

Tar Walks

Appropriation \$500.00

 Payrolls \$61.52

 Materials and Repairs ... 438.48

_____ \$500.00

Office Expenses

Appropriation \$2,500.00

 Payrolls \$1,759.66

 Telephone 98.94

 Supplies 118.32

 Printing etc. 22.50

 Miscellaneous and Equip-
 ment 90.54

 Transfers to Other Ac-
 counts 410.04

_____ \$2,500.00

Permits were granted as follows:

Boston Elevated Railroad..... 13

Eastern Massachusetts Electric Railroad..... 2

Malden Electric Company..... 24

Malden and Melrose Gas Light Company..... 47

Miscellaneous 31

New England Telephone and Telegraph Company..... 15

_____ Total 132

The cost of half-holidays and vacations were as follows:

Half-holidays	\$13,343.07
Vacations	4,343.92
	<hr/>
Total	\$17,686.99

I wish, at this time, to thank the whole department for their good work and co-operation during the year.

Respectfully submitted,

HUGH G. KENNEDY,
Street Commissioner.

Report of Superintendent of Wires and Gas Fitting

Medford, Mass., Jan. 1, 1922.

Hon. Benjamin F. Haines,
Mayor of the City of Medford.

Dear Sir:—

I have the honor of submitting the fourteenth annual report of the Department of Wires and Gas Fitting, Fire and Police Signals and Street Lights ending December 31, 1921.

Police Signal System

The Police Signal System has given good service the past year.

I renew my recommendation that the underground wire service be extended and the Blue Light Signal be introduced.

Fire Alarm Signal System

The Fire Alarm has no failures during the past year, also the Fire Alarm wire should be extended underground.

I would recommend that a certain sum each year should be appropriated for underground wire installation.

Expenses

	Appropriated	Receipts	Expended	Balance
Salary of Superintendent.....	\$2,300.00	.....	\$2,300.00	.....
Electrical Department Expenses...	800.00	\$75.73	843.32	\$32.41
Fire and Police Signal Service....	500.00	752.32	1,714.38	13.14
Salary of Lineman.....	1,712.00	.....	1,705.00	7.00
Street Lighting	26,000.00	700.00	25,870.48	829.52

Street Lighting

The Street Lighting Contract expired March 10, 1920.

The Malden Electric Light Co. are working on a new contract to be submitted the first of the coming year.

At present there are the following number of street lights:

896— 60 C. P. inc. @ \$15.00 per year
 209—250 C. P. inc. @ 60.00 per year
 17—250 C. P. inc. @ 43.80 per year

Recommendations

Salary of Superintendent.....	\$2,300.00
Electrical Department Expenses.....	800.00
Fire and Police Signal System.....	2,090.00
Street Lighting	26,800.00
Salary of Lineman.....	1,716.00

Gas Piping and Fixtures

Number of permits issued..... 90
Number of tests and inspections..... 181

Interior Wiring of Buildings

Number of permits issued..... 571
Number of wiring notices received.....1234

Respectfully submitted,

HENRY A. GAFFNEY,
Supt. of Wires and Gas Fitting.

Report of the Inspector of Animals

Medford, Mass., January 1, 1922.

Hon Benjamin F. Haines,
Mayor of the City of Medford.

Dear Sir:—

The office of Inspector of Animals is created under Section 15 of Chapter 129 of the General Laws, the appointment being made by the Mayor subject to the approval of the Director of Animal Industry of the State Department of Conservation. The Inspector of Animals must comply with and enforce all orders and regulations directed to him by the director, and accordingly more or less directly have supervision of the control and eradication of contagious diseases to which domestic animals are subject.

Following is my report as Inspector of Animals for the City of Medford for the year ending December 31, 1921.

Annual Inspection of cattle, sheep and swine, and the places in which they were kept: 164 head of cattle were examined on 31 premises. One cow was found to be affected with tuberculosis, was quarantined, reported to the Director of Animal Industry, condemned and killed. The premises occupied by this cow was disinfected by the owner. Three months after this animal was condemned a careful physical examination was made of all cattle then on the premises and they were found to be apparently free from disease. Of the 31 herds of cattle examined only 11 herds contained more than five cows each. With the exception of one herd, the stables in which they were kept were found to be well ventilated, well drained, well lighted and clean. One hundred and eleven head of swine were examined on 13 premises, 1 sheep and 1 goat were examined.

Tuberculosis: During the year two cows suspected by their owners of being affected with tuberculosis were examined and on request of owners were slaughtered under Federal inspection but were found not to be diseased.

Glanders: No cases of this disease have been found in Medford since the year 1918. I believe that the closing of the watering troughs has been a large factor in preventing the occurrence of this disease.

Rabies: Two positive cases of rabies were found in dogs. No cases of this disease had previously occurred in this city since the year 1916. The source of the contagion could not be definitely located. The prevalence of the disease in the Commonwealth has, however, been increasing during the past three years.

One dog and two cats suspected of being affected with rabies were found on laboratory examination not to have been diseased.

Four persons bitten by dogs were reported; the dogs were quarantined for observation and were released after the expiration of fourteen days, no symptoms of rabies having developed.

Hog Cholera: During the year 76 head of swine were given preventive treatment by agents of the Division of Animal Industry, 49 receiving single treatment and 27 receiving double treatment.

Two pigs were treated for hemorrhagic septicemia.

Interstate Horses: Several horses shipped into Medford on permit from New York State and Connecticut were examined and released.

Respectfully submitted,

HARRIE W. PEIRCE,
Inspector of Animals.

Report of Water and Sewer Commissioners

Medford, Mass., January, 1922.

Hon. Benjamin F. Haines,
Mayor of the City of Medford.

Dear Sir:

The Annual Report of the Water and Sewer Department for the year 1921 is herewith submitted.

The personnel of the board has remained the same as reported a year ago.

The water consumption by the City as reported by the Metropolitan Water and Sewerage Board totaled for the year 676,690,000 gallons; the low service was 516,706,000 gallons and the high service was 159,984,000 gallons, which figures 45 gallons average per person per day for the year compared with 44 gallons for the year 1920.

We recommend that there be appropriated money for the proper care of the sewers and the brooks and streams which are under our control, for Sewer Maintenance, Three Thousand Dollars (\$3,000); for Brooks and Streams, Four Hundred Dollars (\$400.00); and that there be Twenty Thousand Dollars (\$20,000) borrowed and appropriated for continuing Sewer Construction.

The work done in detail, follows:

NEW MAINS

STREET	LOCATION	Length	Size
Andrews Street	From gate at Walsh Street, southerly	216 ft.	6 in.
Boynton Road	From end, northerly	72 ft.	2½ in.
Bristol Road	From Warner Street, northerly	164 ft.	6 in.
Butler Street	From end, southerly	159 ft.	2½ in.
Chipman Street	From end, southerly	100 ft.	6 in.
College Avenue	From Stanley Avenue, southerly	96 ft.	8 in.
Elm Street	From Forest Street to Elm Street, 6"	250 ft.	2 in.
Fulton Spring Road	From end, easterly	159 ft.	6 in.
Gaston Street	From end, easterly	50 ft.	6 in.
Hall Road	From Forest Street, westerly	395 ft.	8 in.
Massachusetts Avenue	From Westwood to Sherwood Road	270 ft.	8 in.
Pitcher Avenue	From Lakeview, southerly	402 ft.	6 in.
Pitcher Avenue	From High Street, northerly	52 ft.	6 in.
Sherwood Road	From Massachusetts Avenue, easterly	170 ft.	6 in.
Wason Street	From Fulton Street to gate	6 ft.	6 in.
Wason Street	From gate, westerly	485 ft.	2½ in.
Webber Street	From gate at Fulton Street to Baxter Street	398 ft.	2½ in.
Webber Street	From Fulton Street to gate	13 ft.	4 in.
Westwood Road	From end to Massachusetts Avenue	294 ft.	8 in.
Westwood Road	From Massachusetts Avenue, westerly	346 ft.	6 in.
Windsor Road	From end, westerly	484 ft.	6 in.
Total		4,581	

MAINS RENEWED

STREET	LOCATION	New Size	Old Size
Abbott Street	From Cushing Street to hydrant 31 feet.....	6 in.	4 in.
Boston Avenue	From river, easterly 878 feet.....	12 in.	8 in.
Capen Street	From 6" main, southerly 235 feet.....	6 in.	2 in.
	Total 1,144		

Total length mains in use January 1, 1921.....390,719 ft.

Extension of mains 1921..... 4,581 ft.

Total length mains in use January 1, 1922.....404,300 ft. or 76.572 miles.

MAIN LEAKS

Ten main leaks have been attended to.

NEW HYDRANTS

Andrews Street	200 feet south of Walsh St.
Arlington Street	between Harvard Ave. and Fairfield St.
Boston Avenue	east of Parkway
Capen Street	opposite Tufts Gymnasium
Hall Road	330 feet west of Forest St.
High Street	east of School House Rd.
Massachusetts Avenue	south of Westwood Rd.
Sherwood Road	170 feet east of Massachusetts Ave.
Third Street	140 feet from Cradock Ave.
Windsor Road	east of Renfew St.

There are now 740 hydrants available for fire purposes which are inspected and kept in good repair by this department.

SERVICES

One hundred and ninety-seven new services have been installed, their length totalling 8,622 feet 6 inches; 3,684 feet 8 inches in the street and 4,937 feet 10 inches on private property.

Forty-three services have been renewed in the street, twenty-nine on private property, ninety-four leaks repaired, sixteen have been raised or lowered, and two hundred twenty-seven have been cleared.

Fifteen services were abandoned.

METERS

During the year there have been set 189 meters on services new; 572 meters, 55 of which were frozen, have been taken out, cleaned, repaired and tested.

Thirteen metered services were abandoned.

SEWER CONSTRUCTION

STREET	LOCATION	Length	Size
Central Avenue	From Fellsway, westerly	874.05 ft.	8 in.
Central Avenue	From Spring Street, easterly	207.20 ft.	8 in.
Chandler Road	From Sta. 1 + 2 to 1 + 85	82.40 ft.	8 in.
Fells Avenue	From Sta. 11 + 74 to 14 + 84	310.00 ft.	8 in.
Forest Street	From Sta. 13 + 68 to 14 + 34	66.40 ft.	8 in.
Fulton Spring Road	From Sta. 2 + 94 to 4 + 40	151.00 ft.	8 in.
Fourth Street	From Sta. 1 + 12 to 3 + 46	233.70 ft.	8 in.
Fulton Street	From Sta. 30 + 63 to 39 + 88	325.80 ft.	8 in.
Hall Road	From Forest Street to 4 + 49	406.65 ft.	8 in.
Lakeview	From Sta. 1 + 50 to 1 + 93	43.70 ft.	8 in.
Pitcher Avenue	From High Street to 5 + 44	544.55 ft.	8 in.
Pitcher Avenue	From Lakeview to 6 + 3	603.71 ft.	8 in.
Riverside Avenue	From Sta. 3 + 46 to 7 + 51	405.00 ft.	8 in.
Rural Street	From Sta. 3 + 1 to 4 + 18	117.49 ft.	8 in.
Terrace Road	From Sta. 1 + 41 to 1 + 70	28.80 ft.	8 in.
Watervale Road	From Fells Avenue to 2 + 12	212.50 ft.	8 in.
Windsor Road	From Sta. 3 + 70 to 8 + 98	528.90 ft.	8 in.
Total		5,142.45	

Total length of sewers January 1, 1921.....355,191.79 ft.
 Sewers laid during 1921..... 5,142.45 ft.

Total length of sewers January 1, 1922.....360,334.24 ft. or 68.245 miles

SEWER CONNECTIONS

One hundred fifty-two connections have been made with the main sewer.

SEWER MAINTENANCE

Fifty-three connections have been cleared of obstructions, five of which were relaid or repaired; seven were lowered.

The following financial statement for the year is reported by the Registrar:

Water Works Account 1921

Cr.	
Receipts, water rates.....	\$93,150.84
Receipts, construction.....	5,658.68
Receipts, maintenance.....	455.26
Receipts, meter account.....	16.00
Overdraft	8,965.34
	\$108,246.12
Dr.	
Paid, maintenance of the works.....	\$24,807.96
Paid, twenty-third assessment for Metropolitan Water	40,358.42
Paid, construction, meters and service pipes..	43,079.74
	\$108,246.12

Sewer Construction Account, 1921

Cr.	
Balance remaining, see previous report.....	\$6,233.09
Sewer assessments	6,139.70
Sewer connection assessments.....	13,316.99

Apportioned accounts.....	\$2,495.21
Appropriation	13,000.00
Receipts, stock and labor bills.....	915.85
	<hr/>
	\$42,100.84

Dr.

Paid, sewer construction 1921.....	\$37,065.92
Apportioned accounts.....	4,223.16
Sewer assessments, Aldermen's order to abate	101.37
Balance unexpended December 31, 1921.....	710.39
	<hr/>
	\$42,100.84

Sewer Maintenance Account, 1921

Cr.

Appropriations	\$2,527.00
Receipts, 1921.....	4.50
	<hr/>
	\$2,531.50

Dr.

Paid during 1921.....	\$2,531.50
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Brooks and Streams Account, 1921

Cr.

Appropriations	\$6,529.75
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Dr.

Paid during 1921.....	\$6,529.75
-----------------------	------------

Sewer Assessments

Total assessments, January 1, 1921.....	\$326,946.09
Assessments abated during 1921.....	101.37
	<hr/>
	\$326,844.72
Assessments levied during 1921.....	6,139.70
	<hr/>
Total assessments levied to date.....	\$332,984.42

Petitions for the apportionment of sewer assessments to the amount of \$1,578.49 were granted during 1921 and the same certified to the Board of Assessors.

Sewer connection assessments to the amount of \$2,644.67 were granted apportioned by the Board of Assessors during 1921.

The sewer connection work during the year has cost per foot as follows:

1 connection	109 ft.	Cost between	\$0.50	and	\$0.60
2 "	167 ft. 6 in.	" "	.70	"	.80
2 "	135 ft.	" "	.80	"	.90
108 "	4809 ft. 6 in.	" "	1.00	"	2.00
33 "	1576 ft. 6 in.	" "	2.00	"	3.00
4 "	171 ft.	" "	3.00	"	4.00
1 "	54 ft.	Cost over	4.00		
1 extended	34 ft.	Cost between	.60	"	.70
2 "	99 ft.	" "	1.00	"	2.60
2 "	57 ft.	" "	2.00	"	3.00

1 changed from Metropolitan to local sewer.

Making 152 connections and 5 extensions, 7212 feet 6 inches, costing \$12,516.90, making the average cost per linear foot of new connections \$1.735 besides 7 connections relaid and changed, costing \$779.34, and 1 drain connection costing \$20.75, making a total for the year, connections assessed to January 1, 1922, \$13,316.99.

Total number of sewer connections	6,498
Total length of all sewer connections	291,007 feet
	or 55.11 miles
Total cost of all sewer connections	\$181,014.65
Average length of all sewer connections	44.79 ft.
Average cost per foot of all sewer connections	\$0.622
Buildings connected with sewer Dec. 31, 1921	6,363
Built for families (see last report)	8,924
Additional accommodated during 1921	212
	0.136

Also twenty stores, one gasolene station, two garages, one shop, one lunch cart and one barn.

Water Maintenance, 1921.

	Bills	Labor	Total
Administration	\$ 4,615.39		\$ 4,615.39
Main pipe leaks.....	116.43	\$ 240.05	356.48
Service pipe leaks	110.50	572.09	682.68
Services cleared or renewed	242.88	840.98	1,083.86
Services abandoned .....	.15	97.36	97.51
Services inspected		1.98	1.98
Services lowered	11.47	73.73	85.20
Gates, stops and axes	11.15	484.44	495.59
Meters	460.68	5,478.92	5,939.60
Hydrants	596.49	1,333.88	1,930.37
Fountains	96.38	111.82	208.20
Main pipe expense	55.28	92.47	147.75
Stable and garage	2,792.38	1,433.41	4,225.79
Tools	32.65		32.65
Shop and stock	1,020.05	1,765.06	2,785.11
Looking for leaks		40.71	40.71
Wright's Pond expense	31.00	1,110.36	1,141.36
Blowing off mains		13.82	13.82
Taking account of stock		31.68	31.68
Turning on and off water		437.24	437.24
Delivering bills		436.75	436.75
City of Malden for water	6.93		6.93
Teaming, bandstand, etc.		11.31	11.31
	<u>\$10,199.90</u>	<u>\$14,608.06</u>	<u>\$24,807.96</u>

Water Construction 1921

New Mains Account

	Bills	Labor	Total
Andrews Street	\$ 475.79	\$ 201.25	\$ 677.04
Boynton Road	49.30	32.45	81.75
Bristol Road	255.05	124.22	379.87
Butler Street	354.59	330.40	684.99
Chipman Street	116.79	82.23	199.02
Ellsworth Street		5.13	5.13
College Avenue	199.06	171.29	370.35
Elm Street	273.43	483.56	756.99
Fulton Spring Road	412.48	560.92	973.40
Gaston Street	92.13	76.48	168.61
Hall Road	757.52	313.10	1,070.62
Massachusetts Avenue	1,004.41	550.26	1,554.67
Pitcher Avenue	684.45	445.05	1,129.50

REPORT OF WATER AND SEWER COMMISSIONERS 293

Sherwood Road	\$ 470.52	\$ 651.05	\$ 1,121.58
Wason Street	311.18	128.81	439.99
Webber Street	277.07	124.23	401.30
Westwood Road	2,957.07	3,225.30	6,182.37
Windsor Road	808.05	390.82	1,208.77

Mains Renewed

Abbott Street	71.00	42.30	114.34
Boston Avenue	2,067.10	1,902.41	4,569.51
Capen Street	478.63	405.66	883.69

Other Expense

New Services laid	3,614.86	1,076.63	5,591.49
New Meters account	3,026.01	97.08	3,123.00
New Hydrants account	394.49	139.36	533.85
Engineering	310.26		310.26
Work done, to be collected for ..	1,912.77	1,637.90	3,550.67
Stable and garage	2,250.00	1,250.00	3,500.00
Administration	1,250.00	10,513.56	11,763.56
Stock and Tools		918.26	918.26
Totals	\$25,476.46	\$26,788.21	\$52,264.67

Items duplicated in charging costs to jobs 9,184.93

Net amount charged, 1921 \$43,079.74

Sewer Maintenance, 1921

	Bills	Labor	Total
Sewer connections stopped	\$ 24.26	\$ 281.90	\$ 306.25
Scraping and cleaning sewers	125.80	1,847.67	1,973.47
Sewers stopped and investigated	2.16	94.41	96.57
Manholes	20.33	87.63	107.96
Stock and tools	61.24	14.28	75.52
Care of shop and tools		16.32	16.32
Totals	\$ 233.79	\$ 2,342.30	\$ 2,576.09

Stock used from other funds \$ 44.59

Net amount paid, 1921 \$2,531.50

Sewer Construction, 1921

New Sewers			
	Bills	Labor	Total
Central Avenue	\$ 1,004.04	\$ 2,430.14	\$ 4,094.78
Chandler Road	130.62	171.37	301.99
Fells Avenue	977.10	1,719.14	2,696.24
Forest Street	73.16	154.68	227.84
Fulton Spring Road	323.36	520.62	843.98
Fourth Street	373.35	684.57	1,057.92
Fulton Street	1,245.31	2,011.42	3,256.73
Hall Road	458.50	434.30	892.80
Lakeview	88.52	103.60	192.12
Pitcher Avenue	1,141.86	1,802.90	2,944.76
Riverside Avenue	626.63	1,033.51	1,660.14
Rural Street	123.74	126.84	250.58
Terrace Road	119.54	287.07	406.61
Watervale Road	731.33	1,595.75	2,327.08
Windsor Road	1,264.72	2,373.68	3,638.40
Other Expenses			
	Bills	Labor	Total
Sewer connections	\$	\$ 6,277.53	\$ 6,277.53
Connecting manholes with water	18.88	71.94	90.82
Stable and Garage	1,250.00		1,250.00
Engineering	766.74		766.74
Work done, to be collected for ..	571.67	679.48	1,251.15
Administration		6,800.54	6,800.54
Stock and Tools		506.73	506.73
Totals	\$11,940.67	\$20,785.81	\$41,735.48
Items duplicated in charging costs to jobs			4,669.56
Net amount charged, 1921			\$37,065.92

Brooks and Streams, 1921

General Account			
	Bills	Labor	Total
Care and Inspection	\$ 1.91	\$ 91.83	\$ 93.74
Gravelly Creek, cleaning	31.50	224.61	256.11
Gravelly Creek, re-planking	103.50	211.28	314.78
Nowell Creek, cleaning	125.00	1,090.11	1,215.11
Whitmore Brook, covering and cleaning	493.73	959.07	1,452.80

REPORT OF WATER AND SEWER COMMISSIONERS 205

Winter Brook, cleaning	\$ 107.00	\$ 1,260.83	\$ 1,370.83
Winter Brook, engineering	63.71		63.71
Two-Penny Brook, cleaning	51.00	1,258.17	1,300.17
Two-Penny Brook, engineering ..	28.28		28 28
Meeting-House Brook, cleaning ..		170.31	170.31
Murray Brook, cleaning	30.32	204.50	234.01
	<hr/>	<hr/>	<hr/>
Amount paid, 1921	\$ 1,040.95	\$ 5,488.80	\$ 6,520.75

Respectfully submitted,

JOHN D. DWYER,
 ROBERT E. FERGUSON,
 JOHN J. IRWIN,

Water and Sewer Commissioners.

Amendments to Revised Ordinances

AMENDMENT TO REVISED ORDINANCES

CHAPTER XXI

ENTITLED

"INSPECTION AND CONSTRUCTION OF BUILDINGS"

BE IT ORDAINED BY THE BOARD OF ALDERMEN
OF THE
CITY OF MEDFORD

Section 33 of Chapter XXI of the Revised Ordinances of the City of Medford, Revision of 1919, entitled "Inspection and Construction of Buildings," as amended by the Board of Aldermen, May 24, 1921, be and hereby is further amended by the addition at the end of the first sentence of the words "and further provided that not more than one garage of two-car capacity or less shall be erected on any lot or tract of land without permission of the Board of Aldermen."

In Board of Aldermen

July 7, 1921.

Passed to be Ordained.

Ordained, July 7, 1921.

WILLIAM J. DALY, President.

Approved, July 9, 1921.

BENJAMIN F. HAINES, Mayor.

Attest:

CHARLES A. WINSLOW, City Clerk.

AMENDMENT TO REVISED ORDINANCES
 CHAPTER XXIV
 ENTITLED
 "HIGHWAYS"
 PART FOUR
 GENERAL REGULATIONS

BE IT ORDAINED BY THE BOARD OF ALDERMEN
 OF THE
 CITY OF MEDFORD

Section 15 of Part Four of Chapter XXIV of the Revised Ordinances of the City of Medford, Revision of 1919, entitled "Highways—Part Four—General Regulations" be and hereby is amended by the addition at the end of said section of the following new paragraphs:

"No person shall use or cause or allow to be used any portion of a public street as the terminal of a route for a street railway car unless permission has been granted by this Board of Aldermen to the street railway corporation operating said car.

"No person shall cause or allow a street railway car to remain standing in any public street for the purpose of using said street as the terminal of a route for such car unless permission therefor has been granted by the Board of Aldermen to the street railway corporation operating said car.

"The provisions of the two foregoing paragraphs of this section of the ordinance shall take effect fifteen (15) days after its passage."

In Board of Aldermen November 22, 1921.

Passed to be Ordained,

Ordained, December 27, 1921.

PERCY W. RICHARDSON, Acting President.

Approved, December 29, 1921.

WILLIAM J. DALY, Acting Mayor.

Attest: CHARLES A. WINSLOW, City Clerk.

AMENDMENT TO REVISED ORDINANCES

CHAPTER XIX

ENTITLED

"FIRE DEPARTMENT"

BE IT ORDAINED BY THE BOARD OF ALDERMEN
OF THE
CITY OF MEDFORD

Section 1 of Chapter XIX of the Revised Ordinances of the City of Medford, entitled "Fire Department" be and the same hereby is amended by the addition at the end of said section of the following sentence: "No permanent member of the fire department shall be eligible to be appointed to the position of a superior officer in the department until he has served as a permanent member of said department for a period of at least four consecutive years."

In Board of Aldermen

May 24, 1921.

Passed to be Ordained.

Ordained, May 31, 1921.

WILLIAM J. DALY, President.

Presented to the Mayor for approval, June 1, 1921.

Vetoed, June 9, 1921.

In Board of Aldermen, October 25, 1921.

Passed the Mayor's veto
to the contrary, notwithstanding

A true copy,

Attest:

CHARLES A. WINSLOW, City Clerk.

Government of the City of Medford

(List compiled May 1, 1922)

MAYOR

Hon. BENJAMIN F. HAINES, 52 Central Avenue
Term expires first Monday in January, 1923

MAYOR'S CLERK

ELSIE MacKENZIE, 41 Washington Street

BOARD OF ALDERMEN

President, HARVEY C. VOORHEES

J. Emanuel Berg	Ward 1 105 Sheridan Ave.
Dennis F. Dwyer	Ward 1 228 Spring St.
Cornelius B. Harrington	Ward 1 58 Cherry St.
Edward H. Larkin	Ward 2 209 Grant Ave.
Archie A. Ashley	Ward 2 50 Hillsboro Rd.
William F. Wiltshire	Ward 2 112 Dudley St.
Kenneth C. Kimball	Ward 3 132 Woburn St.
Henry P. Van De Bogert, Jr.	Ward 3 60 Woburn St.
Arthur L. Youngman	Ward 3 21 Butler St.
Harry M. MacNear	Ward 4 28 Orchard St.
Percy W. Richardson	Ward 4 13 Florence St.
Michael J. Rowan	Ward 4 96 South St.
Edward G. Daly	Ward 5 20 Bowdoin St.
William A. DeWolfe	Ward 5 85 Medford St.
George W. Taintor	Ward 5 15 William St.
Lewis H. Peters	Ward 6 32 Warren St.
Harvey C. Voorhees	Ward 6 293 Boston Ave.
Joseph W. Wellington	Ward 6 64 Harvard Ave.
Frederic R. Wood	Ward 7 28 Fourth St.
Charles A. Callahan	Ward 7 87 Third St.
James F. Donovan	Ward 7 34 Wellington Rd.

Clerk

Charles A. Winslow, 37 Royal Street
(Who is also the City Clerk)

Clerk of Committees

Charles T. Daly, 55 Summit Road

City Messenger

Philip S. Hogan, 33 Manning Street

CITY OFFICERS AND BOARDS

City Clerk.....Charles A. Winslow
 City Treasurer.....Edward A. Badger
 City Collector.....Edward W. Hayes
 City Auditor.....Arthur E. Crowley
 City Solicitor.....Guy E. Healey
 City Engineer.....Fred R. Charnock
 City Physician.....Edward W. Barrett
 Purchasing Agent.....William H. Casey
 Street Commissioner.....Hugh G. Kennedy
 Superintendent of Moth Suppression...Hugh G. Kennedy
 Building Commissioner.....Frank B. Blodgett
 Superintendent of Wires and Gas Fitting, Henry A. Gaffney
 Sealer of Weights and Measures.....Winslow Joyce
 Inspector of Animals.....Harrie W. Peirce
 Forest Warden.....Thomas A. Qualey

School Committee

Hon. Benjamin F. Haines, Mayor, Ex-Officio

Members at Large

George A. Moore..... Term expires 1924
 George S. Miller..... " " 1925
 Edward W. Barrett..... " " 1923

Members from Wards

Ward 1. Henry A. Cobb.....	Term expires	1925
Ward 2. Christopher W. Conway.....	” ”	1922
Ward 3. Alta H. Nevons.....	” ”	1924
Ward 4. Clara T. Guild.....	” ”	1924
Ward 5. James Learmouth.....	” ”	1923
Ward 6. Joseph W. Phelan, Chairman...	” ”	1922
Ward 7. Joseph C. Smith.....	” ”	1923

Superintendent of Schools

Maro S. Brooks

Office—High School, Forest Street

Board of Assessors

Edward S. Randall, Chairman.....	Term expires	1923
Waldo S. Plastridge.....	” ”	1922
John A. Ricker.....	” ”	1921

Board of Health

Alfred J. Hawks, Chairman.....	Term expires	1920
Frank E. Dyer.....	” ”	1924
Walter T. Burke.....	” ”	1922

Alvin R. Reed, Clerk

Overseers of the Poor

John J. FitzGerald, Chairman.....	Term expires	1925
George J. Hackett.....	” ”	1924
Reuben M. Pitman.....	” ”	1923

Park Commissioners

Wilton B. Fay, Chairman.....	Term expires	1923
Thomas D. Collins.....	" "	1921
Herman L. Buss.....	" "	1922
Irwin O. Wright.....	" "	1924
Arthur W. Crockford.....	" "	1925

Alvin R. Reed, Clerk

Commissioners of Sinking Funds

Lewis H. Lovering, Chairman.....	Term expires	1923
William Cushing Wait.....	" "	1924
Walter F. Cushing.....	" "	1924
Charles H. Barnes.....	" "	1923
Everard I. Langell, Treasurer.....	" "	1922
Williard Dalrymple, Secretary.....	" "	1922

Water and Sewer Commissioners

John D. Dwyer.....	Term expires	1923
Robert E. Ferguson.....	" "	1922
John J. Irwin.....	" "	1924

Fred L. Cushing, Water Registrar

Henry F. Hughes, Superintendent

Trustees of Cemeteries

Ellery A. Armstrong, Chairman.....	Term expires	1921
Walter J. Ballou.....	" "	1923
Selah H. Thurber.....	" "	1922

Trustees of Public Library

Ernest B. Moore, Chairman.....	Term expires	1923
Edward M. Barney.....	" "	1922
Allan A. Claffin.....	" "	1921

Registrars of Voters

John J. Conway, Chairman.....	Term expires	April 1, 1924
John J. Fitzpatrick.....	" "	April 1, 1923
George F. Cotting.....	" "	April 1, 1922

Charles A. Winslow, City Clerk, ex-officio

Police Department

John F. Welch, Chief

Fire Department

Thomas A. Qualey, Chief

SCHOOL DEPARTMENT

ANNUAL REPORT

1921



MEDFORD, MASSACHUSETTS

Report of School Department

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SCHOOL COMMITTEE FOR 1921

Membership

Hon. Benjamin F. Haines, Mayor, Ex-Officio.

At Large

	<small>Term expires</small>
George H. Peckham, 122 Woburn St., West Medford..	1921
Edward W. Barrett, M. D., 104 Salem Street.....	1922
George A. Moore, 545 Riverside Avenue.....	1923

From Wards

Ward

1. Ella T. Hart (Mrs. W. P.), 57 Logan Avenue.....1921
2. Christopher W. Conway, 34 Court Street.....1921
3. James G. Harris, 90 Wyman Street, West Medford..1923
4. Clara T. Guild (Mrs.), 31 College Avenue.....1923
5. *George S. T. Fuller, 7 Alfred Street.....1922
6. Joseph W. Phelan, 60 Brooks St., West Medford....1921
7. Joseph C. Smith, 38 Fifth Street., Wellington.....1922

Organization of Committee

Joseph W. Phelan, Chairman Joseph C. Smith, Secretary

Standing Committees

Budget: The whole committee; Smith, Chairman.

Finance: Phelan, Smith, Barrett, Harris.

Teachers: Phelan, Smith, Guild, Harris.

Text Books and Supplies: Peckham, Hart, Conway, Guild.

Instruction and Courses of Study: Barrett, Hart, Conway, Peckham, Moore.

Buildings: Fuller, Conway, Peckham, Moore.

The Superintendent is a member of all Standing Committees.

*Resigned March 14, 1921.

Meetings of Committee

Regular meetings of the School Committee are held in the School Committee Room, High School Building, Forest Street, on the second and fourth Monday of every month, except July and August, at 7.30 o'clock p. m.

Superintendent of Schools

Maro S. Brooks.....69 College Avenue

Superintendent's Clerks

Annie I. Letson.....8 Sherman Court.
 Adele Chamberlain.....58 Lambert St.
 Louise C. Anderson.....168 Spring St.
 Office—High School, Forest Street.
 Office Hours 8 A. M. to 5 P. M., every school day and
 8 to 12 on Saturdays.
 Office Telephones—Mystic 34, Mystic 550.

SCHOOL CALENDAR FOR 1922

Winter Term

Begins January 3 and closes April 14.
 (Vacation during week of Feb. 20)

Spring Term

Begins April 24 and closes June 23.

Fall Term

Begins Sept 6 and closes Dec. 22.

Holidays

Every Saturday; October 12; from Wednesday noon, November 22, to the end of the week; May 30; June 17.

REPORT OF SCHOOL COMMITTEE

Medford, Massachusetts, Dec. 1921.

To His Honor Benjamin F. Haines, Mayor.

Sir: The School Committee herewith submits its annual report:

No new accommodations for Medford's school children have been started during the year. This is decidedly unfortunate. The building of school houses takes a long time; it is the duty of the School Committee to look ahead and recommend future construction because of this fact. Your committee has given this subject prominent consideration and it is a very serious problem which has arisen because their desires have not been fulfilled.

In all probability a considerable proportion of pupils will have to go on to a double session basis in the fall of 1922. In fact, at the Fulton Heights School, which was opened for the first time in September, one of the portable buildings which it was to replace had to be occupied and probably some double sessions will be necessary there in February, 1922.

While the committee has no desire to criticise the various reasons for delay in carrying out its recommendation, it does believe that the lesson should be fully appreciated. The School House Commission, which is to construct school buildings from now on, is starting not only with consideration of future accommodations, but much that should have been done in the last few years.

The argument that our schools should all be on a permanent double session, which is often heard, can hardly be the result of deliberate thinking. The actual number of daylight hours available for school periods in the fall and winter months is small. No scheme has come to our atten-

tion for using these hours satisfactorily, on a double session basis. It will have to be tried for a while, however, probably for a year or more until the construction of school buildings has again caught up with the growth of the school population.

A new superintendent was elected during the year and began his duties in May. We were fortunate in securing the services of Maro S. Brooks, a graduate of Tufts College and a teacher and supervisor of considerable experience.

Mr. Howlett, for many years head master of our High School, resigned in May to become principal of Hebron Academy. Mr. J. Stevens Kadesch, who comes from the Albany High School, was appointed to take his place.

Many other changes have taken place in the personnel of our teachers. This is not to be deplored. The new superintendent had the selection of the new teachers, which is surely desirable, as it gives him an earlier opportunity to show his worth.

The recommendations of last year's report are again proposed: A new building at the Lincoln School, the purchase of land adjoining the L. L. Dame School, the construction of a brick building in place of the wooden one at the James School, a new primary school in West Medford, and an addition to the Brooks School.

Respectfully submitted,

JOSEPH W. PHELAN,
JOSEPH C. SMITH,
EDWARD W. BARRETT,
GEORGE H. PECKHAM,
GEORGE A. MOORE,
ELLA T. HART,
CHRISTOPHER W. CONWAY,
JAMES G. HARRIS,
CLARA T. GUILD,

IN MEMORIAM

ROSEWELL B. LAWRENCE

January 31, 1856—November 2, 1921

Member of School Committee
1892—1910

Chairman of School Committee
1893—1908

CHARLES N. JONES

April 5, 1836—December 3, 1921

Member of School Committee
1881—1915

Secretary of School Committee
1885—1914

LEONARD J. MANNING

May 11, 1856—November 15, 1921

Teacher in Medford High School
1877—1921

Principal of Medford High School
1903—1912

REPORT OF SUPERINTENDENT OF SCHOOLS

To the School Committee of Medford:

I have the honor to submit to you and, through you, to the citizens of Medford my first annual report, the twenty-ninth in the series of superintendents' reports since the incorporation of Medford as a city. As a part of my report, I offer for your consideration reports from the headmaster of the High School, the principal of the Evening School, and the principals of the Summer Schools. I submit also certain statistical data concerning the school system.

I wish to record at once my appreciation of the masterly regime of my predecessor, Superintendent F. H. Nickerson, and of the able interim administration of Mr. James G. Harris, a member of your Committee, who acted as superintendent for four and a half months.

As a newcomer to Medford, I have been greatly impressed by the keen and widespread interest in public education and by the outspoken determination to maintain a democratic, progressive, and energetic administration of the City's schools. To acquaint our citizens with some of the many problems which we are called upon to solve, I shall discuss the following topics in this report: Organization, Buildings, Teachers, Semi-annual promotions, Ungraded Classes, High School, and Health.

Organization

The schools are organized nominally on the widely approved 6-3-3 plan,—six years in the elementary grades and three years each in the senior and junior high schools. Unfortunately, the building program proposed by the Committee has been delayed so that at the present time none of our schools is a complete junior high unit. The Swan is the nearest approach to it, but lack of room makes necessary the sending of its academic section of grade nine to the

High School where it is counted as a part of Class I, exactly as if the High School were on a four-year basis.

The most undesirable feature of the state of transition in which the junior high classes have been since 1918 and in which they must remain until suitable housing conditions are provided, is the half-year's stay of pupils of grade eight at the Centre School. At the end of the half-year of adjustment necessary for the formation of a real school out of the groups coming from different buildings, another break occurs and the pupils of 8A go on to the High School. There they unite with the academic pupils from the Swan Junior High School in forming the first installment of the Freshman Class. To this class the commercial pupils from the Swan are added a year later.

To emphasize still further the interruption of the junior high program, graduation exercises are held and grammar school diplomas are awarded at the end of the eighth grade, although the grammar school has officially ceased to exist. I recommend that this practice be discontinued and that at the end of the ninth grade a suitable certificate, stating that the pupil has satisfactorily completed the work of the junior high school, be granted. A pupil is entitled at any time to receive a certificate as to the work already covered.

Buildings

The most serious problem with which we are confronted is the congested condition of many of our schools. I submit a brief statement as to each of the nineteen buildings now in use. For the sake of convenience, the schools may be grouped on the basis of grades as follows:

- | | |
|--------------------------------|-------|
| (1) High School..... | 9-12 |
| (Academic pupils only, in 9) | |
| (2) Junior High Grades only | |
| Centre | 8B-8A |
| Swan Junior High | 7B-9A |
| (Commercial pupils only, in 9) | |

- | | |
|---------------------------------------|--------|
| (3) Junior High and Elementary grades | |
| Lorin L. Dame | 3B-8B |
| Brooks | 2A-8B |
| Lincoln | 3B-8B |
| (4) Elementary—upper grades | |
| Franklin | 4B-6A* |
| Washington | 3A-6A |
| (5) Elementary—all grades | |
| Hancock | 1B-6B |
| Osgood | 1B-6A |
| Fulton Heights | 1B-6A |
| (6) Elementary—primary grades | |
| Curtis | 1B-3A |
| Cradock | 1B-3A* |
| Everett | 1B-3B |
| Gleason | 1B-2B |
| Hervey | 1B-2A |
| Hillside | 1B-2A |
| James | 1B-3A |
| Tufts | 1B-3B |

*Also ungraded class of retarded pupils

High School

This admirable building is filled to capacity. To accommodate the twelve hundred fifty pupils that the school will number at the beginning of the next semester, we shall be obliged to utilize every foot of available space, including library, store-rooms, coat-rooms, and the School Committee's room. Judging by an estimate of the number to be graduated in June and the number to enter in September, the High School membership will reach fourteen hundred fifty at the beginning of the next school year. It will then be necessary to resort to double sessions. There will be no relief for this condition until the junior high school building program already projected by the School Committee is com-

pleted. Then most of the pupils of the ninth grade will be provided for at the Swan and at the new junior high schools in South Medford and West Medford.

The art room on the fourth floor of the "old building" is badly in need of redecorating. The present color, terra cotta, absorbs the light and is not conducive to artistic effect.

I recommend that the large room in the south-west corner of the basement be equipped for the instruction in manual training required by law. The expense can be greatly reduced by allowing the boys to build the benches and tool-closets as a part of their class work.

Centre School

The exterior of this building was greatly improved during the past summer by two coats of gray paint. The corridors and five class-rooms were redecorated in buff. For the sake of better lighting conditions, windows were moved from the front of the room to the pupils' left. On the second floor the height of the rooms was materially lessened by the building of beaver-board ceilings. This change was made in the hope of making it possible to heat the rooms properly. Some improvement resulted, but the building, as a whole, will continue to be unfit for school purposes during the winter months until a suitable heating plant is provided. The seven furnaces located on various levels in the dark and dank cellar, through which a small stream of water runs at times, are entirely inadequate. On cold days the mercury does not rise above 52 degrees before twelve o'clock in some of the rooms and in the halls not above 40 degrees.

At present five divisions of junior high pupils, grade eight, occupy this building. They are taught by five teachers on full time and by three teachers on part time carrying the special subjects. The pupils of the Brooks School come to this building for their cooking and manual

training and the girls of the Dame and Lincoln Schools for their cooking.

In order to provide room for a large increase in grade eight at the beginning of the next semester, I recommend that the two rooms now used for cooking and manual training be converted into regular classrooms and that rooms for both these subjects be equipped at the Brooks School and a room at the Lorin L. Dame for cooking. This plan will make it necessary for the pupils of the Centre School to go to the Lorin L. Dame in the morning or to the High School in the afternoon for their work in cooking and manual training.

With proper heating and a few minor changes, the Centre School would be a very serviceable building. If the manual training and cooking were taken out, we should have available six large home-rooms, two recitation rooms, and the science laboratory used by the High School when it occupied this building.

It is difficult to say what purpose this building will serve when the junior high building program has been carried out. The possibilities seem to be (1) annex to the High School, for the use of vocational classes; (2) temporary quarters for the overflow from grade IX of the Swan Junior High School; (3) elementary school to serve a new district in the vicinity of Medford Square.

Swan Junior High School

This building is comparatively new and presents an attractive appearance. It houses a well organized school whose limitations are largely due to the handicap of physical conditions: (1) lack of room sufficient to house all of its ninth grade, making it necessary, as already stated, to send the pupils of this grade to the High School and interrupt thus the continuity of the 6-3-3 plan of junior high organization; (2) no gymnasium and, therefore, no oppor-

tunity to carry out the health work which constitutes an important part of the junior high program; (3) no library, the room which is recognized as the heart of the modern school building; (4) too small an office for the efficient administration of a school of six hundred pupils.

I recommend that, when the many other far more urgent demands have been met, this building be enlarged to provide the needed accommodations.

Lorin L. Dame School

This is a good building, but far too small to house the children assigned to it. Besides the twelve regular home-rooms, classes are located in the hall, the sewing-room, and three portables. The sewing-room is 25x20 feet and contains seats for forty-two pupils.

In my comments on the Centre School I have already recommended the equipping of a room for cooking in the basement of the Dame School. Manual training is now taught in a similar room of this school to boys of the Lincoln School as well as of the Dame.

The opening of the junior high school at South Medford will take care of about half of the pupils of grades seven and eight now housed at the Dame. The rest will be obliged to attend the Brooks and Centre Schools. The removal of the junior high classes from the Dame will afford partial relief for the lower grade groups now occupying unsuitable quarters. If much-needed provisions were made at the Hillside School (primary) for retaining the children of grade three or, better still, of grades three and four, the building of an addition to the Dame School might be deferred for two or three years. But on account of the growth of the Hillside section and the anticipated increase in school population in this region, due to the large number of children under school age, additional room for grammar grades will soon be needed.

Fortunately, the plans of the Dame School contemplated the addition of another unit on the land behind the school partly used as a playground and partly occupied by the portable buildings. I would urge that the City acquire at once land for a new playground either directly back of the school lot or at one end of the present building. The ideal would be to have the lot on the east end for the boys and on the west for the girls. With the addition of this play space, the L. L. Dame School would, when completed in accordance with the original plans, be a most satisfactory plant.

Brooks School

Except possibly the High School, this is the best building in the City from the point of view of construction. Here again we have pupils in quarters that are unsuitable. I refer to four corner rooms on the third and top floor, each of which has but one door. The scant amount of light in each of these rooms comes from one dormer window at the rear and one at the left of the pupils, with a dark corner between. The fire hazard for the classes occupying these rooms seems to me to be very great. While I realize that it is the purpose of the Committee to render the use of these rooms unnecessary by enlarging the building as soon as possible, I feel it my duty to recommend that proper fire protection be installed at once.

The transfer of the junior high classes of this school to the proposed addition will make it possible to give up the third floor rooms described above, but will not allow for future growth.

I have already recommended that a basement room in this school be equipped for cooking and another for manual training. This change will not only make available two more class-rooms at the Centre School, but will save many hours of the Brooks pupils' time now spent in going to the Centre School for their work in practical arts.

Lincoln School

So much has been said in previous reports as to the school needs of South Medford and so thoroughly is it agreed on all sides that these needs must be met, a description of the Lincoln building seems almost superfluous.

The school has six classes of junior high pupils, grades VIIA, VIIB, and VIII B. Two classes occupy the hall on the third floor. What I have said in regard to conditions of lighting and safety at the Brooks School applies with still greater force to the hall in the Lincoln and to all the rooms on the third floor. In spite of the expectation that an extensive addition will soon be made, I recommend that fire protection be provided.

Four classes are housed in three portable buildings. The double portable with three-sided lighting is totally unfit for school purposes.

The corridors of the Lincoln School are dark and gloomy. Some of the best teachers in the City are in this school, but in spite of their efforts, the depressing conditions of the building affect the spirits and work of both teachers and pupils.

The principal's office is a closet, 13x5 feet, without other equipment than a desk and chair. No comment on the difficulty of administering from such an office a building of nearly eight hundred pupils is necessary.

As for the new building, I can only second the efforts of the Committee to obtain action at the earliest possible date. Although plans have been accepted, I venture to submit here the number and kind of rooms that, as a result of observation and experience, I should like to recommend: twenty class-rooms to hold thirty-five pupils each; two rooms for science; one room each for commercial work, drawing, cooking, sewing, general shop, and library with

small adjoining conference room; auditorium with balcony and deep stage; study room on ground floor suitable for use as a community hall for small gatherings; two gymnasiums capable of being thrown together; outer and inner offices, emergency rooms, teachers' rooms and closets, store-rooms, and janitors' quarters.

I have suggested twenty class-rooms, but recalling the experience of Medford and of other cities in erecting buildings whose capacity has been soon exceeded, I am not sure that it would not be wiser to provide for twenty-four rooms at the start.

While it is possible to use some of the special rooms as home-rooms, the presence of special equipment and apparatus in others makes the plan impracticable. It is also highly desirable that all home-rooms should comprise both girls and boys.

It should be borne in mind that under the plan of three junior high schools, the new building will serve pupils of grades seven, eight, and nine coming not only from the immediate vicinity of the Lincoln School but as far away as the L. L. Dame School. In order to make room for grade nine in the Swan Junior High, it may be necessary to make the radius of the circle describing the Lincoln district extend to Medford Square and Winthrop Street. It may be said in passing that, for economy of administration, the consensus of opinion is in favor of large units for senior and junior high schools and that the common rule for average walking distance is a half-mile for the elementary school, a mile for the junior high school, and a mile and a half for the senior high school.

I submit an estimate of the number of pupils who will be assigned to the Lincoln Junior High School if it is ready for occupancy in September, 1923, the earliest date at which we can reasonably hope to occupy the new building:

Grade VII	218
Grade VIII.....	236
Grade IX	203
	<hr/>
Total	657

Allowing thirty-five pupils per room, nineteen home-rooms will be needed. This judgment is based upon the number of pupils at present in grades five, six and seven. If the proposed legislation raising the legal school age from fourteen to sixteen years is passed, our numbers in junior high grades will be greatly increased.

Franklin and Washington Schools

These are substantial buildings of a former type. The hall of the Washington is occupied exclusively as an Aldermanic Chamber pending the completion of the City Hall. When available, the Washington hall will be a convenience for social gatherings in connection with the school and of service educationally.

Hancock School

A modern building. I judge that the cleaving of the paint from the school-room walls is due either to the dampness of the location or to the fact that the paint was put on before the walls were thoroughly dry. After a heavy rain there are several inches of standing water in the furnace-room. Apart from these defects this is a serviceable school-house.

Osgood School

The only building in the City with vacant rooms (two) fit for use. One of these is used for a community and social room; the other will be needed in February for an overflow class from the James School.

Fulton Heights School

A new and attractive building of the bungalow type. According to the reports of your former superintendent, it was deemed wise to construct a larger building than would be needed for several years. No such growth as has taken place at the Heights could have been anticipated. When the building was used for the first time at the opening of the school-year last September, instead of having two or three rooms vacant, every one of the six rooms was occupied as well as both rooms in a double portable, one of the two portables used to house the three-grade school of last year. Owing to the large number of pupils in the upper and middle grades, it has been necessary to provide an assistant. We shall be obliged to have at least nine regular classes to take care of the three hundred fifty pupils that will be enrolled in the school in February. To provide a sufficient number of rooms, I recommend a double-session plan for the two upper grades.

Fortunately, the plans of this building are so drawn as to permit enlargement by the addition of a room at each side of the rear end.

This building is badly in need of clocks, electric bells, and a piano for the auditorium. I ask that the clocks and bells be furnished at the City's expense. It is hoped that a piano will be provided through the combined efforts of the children, the parents, and the friends of the School.

If the school remains under the direction of a teaching principal, a door should be cut between the principal's office and her class-room. By being able to pass back and forth from one room to the other without going the length of her class-room to the corridor and back again an equal distance to her desk in the office, the principal would save an incalculable amount of time for herself and for her pupils.

Cradock and Everett Schools

These buildings were painted on the inside during the summer vacation. In two of the rooms of the Everett, windows were changed and the seats turned to bring the light on the pupils' left. Both buildings are greatly in need of being painted on the outside, especially the Cradock. I earnestly recommend that this work be done next summer.

Curtis and James Schools

I am grouping these schools because each consists of a modern brick structure on the front with an old wooden building connected with it by a cross-over at the rear. The wooden part at the Curtis is occupied by four classes. The dilapidated portion of the James has been condemned by the Chief of the Fire Department who has forbidden our using the two upper rooms. To provide room for the first grade class entering in February, it will be necessary to send some of the children of grade III to the Franklin and a number of children from each of the first three grades to the Osgood. We realize the undesirability of having young children cross the Fellsway, but by co-operation of the Park, and the City, police with the teachers of the Osgood School, we shall take every precaution to prevent accident.

Gleason and Hervey Schools

Both located in West Medford and both inadequate for housing the primary children of this section. The Gleason contains two rooms, one in charge of a teacher and an assistant.

Both of these buildings need painting, especially the Hervey. This work should be done both for the sake of appearance and for the preservation of the buildings.

Hillside School

A well constructed four-room building, but not large enough to accommodate the second and third grade chil-

dren of the vicinity who are too young to be sent as far from home as the Dame School. Many of these children live nearer to the Brooks School than to the Dame, but the large numbers in the lower grades of the Brooks make it impossible to receive them there. The growth of the Hillside section makes it desirable to provide additional rooms in connection with the Hillside School. As the four rooms, two on each floor, are at the back of the building and open out of a corridor which runs lengthwise of the building, it would seem as if the plant might be enlarged by constructing four more rooms on the front, unless such a plan would bring the new front of the building too near the high bank above the street. The most evident objection to such a plan would be the noise from the electricians and the heavy traffic on Boston Avenue. I would suggest that a study of this building be made by an architect with a view to its early enlargement. I recommend that one of the portables at the Dame School be moved to the Hillside to accommodate the children of grade three most of whom now pass the Hillside School on their way to the L. L. Dame.

Tufts School

Another of the older houses of the type of the Cradock and the Everett Schools. This building should be painted next summer inside and out. The fence about the grounds should be repaired or taken away. The portable, which has been ordered for the use of the ungraded class for retarded pupils in connection with this school, will be the seventh in use in the City.

Teachers

The outstanding asset of the Medford school system is its competent and earnest teaching staff. The eagerness of principals and teachers to co-operate with the superintendent and with one another is especially marked. I wish to express my appreciation of the professional attitude that

most of our teachers have toward their work. Many of them, realizing that training in service is as essential as preliminary training, are taking advantage of the valuable courses offered at Harvard University, Boston University, Tufts College, and elsewhere.

Although our salary schedule is not high enough to hold some of the teachers whom we can ill afford to lose, it does attract a large number of candidates. About one in ten of these has the personality, training, and experience that would warrant her selection for our schools. From various causes, I have been called upon to nominate fifty-five teachers, including five to fill newly created positions. Twenty were for the High School alone. It is to be hoped that the stability of our teaching force will henceforth be greatly increased.

Semi-annual Promotions

In spite of the many arguments in favor of frequent promotions, I am convinced that Medford should abandon the semi-annual plan. Headmaster Kadesch has ably set forth in his report (pp. 36-40) reasons for this action from the High School point of view: inequality in the size of classes, inability to repeat the work of the previous half-year, summer vacation loss in subjects begun in February, effect on the school morale, disapproval by the teachers, and expense.

I cannot emphasize too strongly the last three of these points. School and class loyalty is not only an indispensable asset of a good school, but also a strong factor in the development of the pupils. By the uniting of the February and the September classes, the school spirit would be increased a hundred per cent.

The fact that almost all the teachers of the High School and of the entire system are opposed to the plan is one of the strongest arguments against it. It cannot be said with

any semblance of truth that their opposition comes from a desire to avoid the work incident to a change in the middle of the school-year. They have given the plan a fair trial, and including some who were originally greatly in favor of it, practically all have become convinced through their own experience that the loss, occasioned by the frequent necessity of separating teacher and class at the end of a period of five months and by the confusion of having "two Junes" in a year, more than outweighs the occasional gain to an individual pupil.

On the side of the expense, the salaries of at least four teachers in the High School could be saved by the elimination of the small divisions in the February classes. Theoretically, there should be a saving in the elementary schools when non-promoted pupils are held back for a half-year instead of a year and when a large number of pupils progress more rapidly than at the normal rate through the grades. As a matter of fact, the Medford records show that the majority of the pupils who repeat for a half-year are of the repeating type and repeat two, and even several, half-years before they leave the school system. As for the acceleration of pupils, investigation shows that during the past five years only two hundred fifteen pupils or an average of 43 pupils per year, have achieved double promotions of a half-year each. During one of the years just previous to the introduction of the semi-annual plan, 85 pupils received a double promotion of a year each, at a time when the entire school population numbered 4711.

To me, the strongest argument against the continuance of semi-annual promotion in Medford is the opposition on the part of parents and citizens generally. If after ten years' trial the plan has not proved acceptable to the people who patronize and support our schools, a change should be made.

If it is decided to give up the semi-annuals, several modes of procedure have been suggested. The two follow-

ing seem the most feasible: (1) To drop back at the end of this year all of the February pupils into the September classes, allowing all who can pass an examination at the end of the summer vacation to enter the next higher September class. Whatever plan for making the change be adopted, only the February pupils, or thirty-seven percent of the school population, are involved. (2) To eliminate the February classes by a gradual readjustment extending over two years. By this plan special attention would be given in the elementary schools to the substantial subjects which the class of each grade would cover in that half-year. Pupils who, with special help and with the privilege of attending summer school, were unable to keep this pace would drop back to the nearest September class. By covering twenty-five per cent. of additional work during each half-year for two years, the February classes would unite with the September classes at the end of June 1924.

In the High School the pupils taking the college preparatory course would drop back a half-year. This would not cause them any loss of time in the end, for if they were graduated in February, they would be unable to enter college before the following September and they would probably remain in the High School during the half-year following their graduation. The non-college pupils would be given a reasonable amount of additional work and all meriting the concession would be graduated a half-year earlier than under the present plan.

While the immediate holding back of all February pupils except those who by examination next September proved their fitness for the next higher class, would be the simplest plan from the standpoint of administration, it seems to me that less injustice would be done if the school gave every February pupil the opportunity to overtake the next higher class. Parents of pupils in February classes will be given an opportunity to indicate which of the plans outlined above they desire to choose for their children.

Ungraded Classes

In 1919 the General Court of Massachusetts passed the following law regarding mentally retarded children:

“The school committee of every town shall annually ascertain, under regulations prescribed by the department and the commissioner of mental diseases, the number of children three years or more retarded in mental development in attendance upon its public schools, or of school age and resident therein. At the beginning of every school year, the committee of every town where there are ten or more such children shall establish special classes for their instruction according to their mental attainments, under regulations prescribed by the department.”

The “regulations” prescribe an examination, under the direction of the commissioner of mental diseases, of children in the public schools who are seriously retarded in their school work. The results of this examination furnish a basis for the selection of pupils to be assigned to the special, or ungraded, classes.

We have adopted the term *ungraded* for two reasons: (1) It is an appropriate name since the program is elastic and is carried out in much the same way as in an ungraded country school where the teacher works with individuals or with groups made up according to the needs of the children; (2) it is less capable of misinterpretation by parents and pupils, as well as by the general public, than “retarded”, “sub-normal”, or “mental defective.”

These classes are not intended for the feeble-minded i. e. for children of so low grade of mental ability as to be clearly institutional cases. Only those are accepted whose IQ or intelligence quotient,—the quotient obtained by dividing the mental age as determined through mental tests, by the chronological age,—shows them to be educable. While most of the children in these classes will never attain the same degree of advancement as those who are nor-

mal, through hand-work and special methods of teaching adapted to their interest and capacity they will slowly develop to a far greater degree than would be possible in the regular class whose rate of advancement is based upon the capabilities of the alleged "average child".

The cost of instruction per pupil in these classes is much higher than in the regular grades, but if the only gain were the advantage to the normal children whose progress has hitherto been blocked by the presence of the sub-normal children in their classes, the additional expense would be fully justified. This gain and the benefit that accrues to the retarded children themselves from receiving the training suited to their needs make the money spent for these classes an excellent investment.

Upon taking up my work in Medford, I found one of these classes already organized and well carried on at the Cradock School. A second class was opened at the Franklin School in the middle of November. By the co-operation of the Mayor and Board of Aldermen with your Committee, a new portable building has been purchased and is to be located on the grounds of the Tufts School. This will be occupied on February 1 by a class of younger children from the South Medford district. By the elimination of twenty of the retarded pupils from the upper grades of the Lincoln School and by careful readjustment of pupils between the Lincoln and Hancock Schools, it will be possible to use one of the Lincoln portables for the fourth of these ungraded classes. This plan has met with your approval and the class will be organized February 1.

For the present these four classes will provide for the cases most seriously in need of special treatment in all parts of the City except West Medford where we have already twenty candidates for such a class. I recommend that provision be made for a class of this kind in connection with the Brooks School either by the purchase of a portable or by the conversion of one of the bicycle rooms in the base-

ment into a school-room. If the latter plan were adopted, a partition and a floor could be put in by the boys of the manual training department without expense other than for materials.

The next examination by the doctor and the psychologist assigned to us by the State will be made before the end of the present school-year. We have a list of one hundred fifty children retarded in school to such an extent that their teachers have reason to believe them to be at least three years below grade mentally. It is our hope that the most urgent of the new cases can be provided for in the five classes already existing or recommended in this report.

It may be said in passing, that all signs point toward the probability that intelligence tests will soon figure largely in the grading of schools. In other words, children will be classified according to their capability rather than their age or degree of school attainment.

While so much attention is being given to the welfare of retarded pupils, those especially gifted must not be neglected. In some cases, they should be given more rapid promotion; in other cases, they should be encouraged and enabled to obtain the broader and deeper training of which they are capable.

High School

At the end of the last school-year, James D. Howlett, Headmaster of the High School, resigned to accept the principalship of Hebron Academy. Mr. Howlett was recognized in Medford as a man of high ideals and stood high in the esteem of the school men of the State. He carried with him a host of good wishes for success in his new field.

After the most careful consideration of many candidates, J. Stevens Kadesch, Head of the English Department and vice-principal of the High School at Albany, New York, was elected to fill the vacancy. As events have since

proved a better choice could hardly have been made. His report, to which I have already referred, shows clearly his grasp of the situation and the lines along which improvement is already manifest. He neglects to mention the esteem in which he is held by the pupils and the Faculty's deep appreciation of his frank and fearless, but considerate, way of dealing with parents, teachers, and pupils.

In selecting new members of the High School staff, I took advantage of your desire to strengthen the school and nominated the strongest men and women that I could find available as heads of departments and teachers. The "Old Guard", who had long served the school loyally and well, gave the new headmaster and all the other newcomers a cordial welcome. With so strong and so united a teaching force the Medford High School should rank second to none in the State.

Before closing this chapter on the High School, I must record the death of Leonard J. Manning, principal emeritus and teacher of mathematics. Mr. Manning began his service in Medford in 1877 and almost to the last day of his life devoted himself untiringly to the task of teaching, of which he was passionately fond. I desire to express my profound appreciation of Mr. Manning's worth as gentleman, scholar, teacher, citizen, and friend.

Health

The prime consideration of any school system should be the health of the children. Accepting this as a guiding principle, I find myself constantly emphasizing our responsibility for providing right conditions of heating and lighting and for seating the children. The compulsory attendance law carries with it this responsibility.

Under the head of Health, I shall speak briefly of Medical Inspection, School Nurse, Dental Work, Physical Training, and the Study of Hygiene.

Medical Inspection

The appointment of one or more school physicians is required by law. Medford has one such physician who, according to the law, should examine annually over seven thousand children. At present the examinations are confined to grades one to eight and only through neglect of his other interests is the school physician able to cover even this ground. I recommend that, instead of six hundred dollars now paid for his services, he be paid a sum sufficient to compensate him for devoting to the schools five hours of every day that the schools are in session and that he be provided with at least two assistants on part time.

School Nurse

Pending the settlement of the question as to whether by recent amendment (Chapter 357, Acts of 1921) medical inspection passed from the hands of the School Committee to the Board of Health, the latter has assigned to the schools a nurse to act under the direction of the superintendent.

Miss Rebecca Walther, the school nurse, is an earnest worker and has shown herself eager to do all in her power for the physical needs of the children. Here again more help is needed. Two thousand pupils are as many as can well be looked after by one nurse. With one more nurse and the specialist to care for the teeth, the Medford schools would be satisfactorily equipped so far as follow-up work is concerned.

The following is a summary of the nurse's report from September, 1921 to January 1, 1922:

Time spent in school.....	365 hours
Number of pupils inspected.....	3826
Number of treatments in schools.....	39
Number of talks to pupils in class.....	48
Number of nursing visits to homes.....	85
Number of miscellaneous visits.....	12
Number of children accompanied to dentist	57

Dental Work

In addition to a school nurse, the Board of Health has provided for the schools a dental hygienist. Miss Anne E. Wiltshire, who began the work December 1, ably supplements the work of the medical inspector and the nurse. She examines, reports defects, gets in touch with parents, makes appointments for children at the local dental clinic, and in company with the school nurse, takes groups of children to the Forsythe Infirmary for treatment. During the month of December, ninety-five appointments for fifty-seven children were made and kept.

The Dental Clinic, located in the Swan Junior High School is supported by funds derived from private sources and from public subscription and is managed by the Medford Christmas Seal Committee. The Clinic is doing an incalculable service for the children, and therefore for the City of Medford.

The value of medical and dental work cannot be estimated in dollars and cents, although it brings a real financial return. The waste of time and energy in attempting to teach children handicapped by physical defects, most of which can be easily remedied, has long been universally admitted. Better than any of us, our teachers know the value of this remedial work and are eager to do their part in seeing that it is carried out.

Physical Training

Medford has now three instructors in physical training,—one man and two women. The withdrawal of William H. Whiting to take a more lucrative position in Boston, would have been an even more serious matter, had he not suggested as his successor, Edmund O'Donnell, a recent graduate of the Springfield Training School. Mr. O'Donnell teaches the boys' physical training classes and coaches the track team of the High School, and trains the leaders of the boys' classes in the junior high schools.

Miss Pauline Chellis, ably assisted by Miss Brenda Moore, does excellent work in taking charge of the girls'

physical training classes and sports at the High School, training the girl leaders of the junior high classes, and supervising the physical work of the elementary grades.

As times goes on, we hope to do more and more in the way of corrective work with individual children. It is eminently worth while.

Study of Hygiene

The law requires that physiology and hygiene be taught in the public schools. While a limited amount of physiology must be taught in order to furnish a basis, the work of the schools should be focussed on personal, household, school, and community hygiene. In this connection, permit me to quote the following paragraph from the New Hampshire State Program of Studies: "Evidence of Success. The success of the teacher's work in health must be judged by the physical condition of the pupils, and the improvement they make in posture, cleanliness, application of hygienic precepts, care of the schoolroom, school grounds and toilets, rather than by any written or oral test."

In Conclusion

In closing this report, let me assure you that I appreciate the honor of being superintendent of the schools of Medford. I realize also the responsibility of acting as your representative in the work of administration and I thank you for granting me authority commensurate with that responsibility. I wish to acknowledge my dependence upon our teachers who have lost no opportunity to express their readiness to support me in whatever I may undertake. It is my hope that, through parents' associations and by other means, teachers and superintendent may together establish with the people such relations as will make it clearly understood that behind everything we do lies a single purpose,—the welfare of the children of Medford.

Respectfully submitted,
MARO S. BROOKS,
Superintendent

REPORT OF HEADMASTER OF THE HIGH SCHOOL

To the Superintendent of Schools:

I am submitting herewith a brief survey of activities at the High School, together with a few tentative suggestions looking to changes in the organization which seem feasible to me and which might well prove of material advantage should they become operative. I use the word "survey" advisedly, since anything in the nature of an adequate report of the year's work would hardly be possible after only a half-year's service as headmaster. Much of the material I may submit, therefore, will be in the nature of accumulated impressions gathered from contact with, and observation of, the school organization as it has functioned along the usual lines, impressions which in some cases, it is true, have already become the nucleus of decisions leading to definite procedure, and others yet to reach concrete materialization.

Before proceeding to indicate any changes that might be instituted advantageously to the organization of the High School, I wish to express in no uncertain terms my appreciation of the spirit of the school. I have never worked with a more able corps of teachers, one more acutely conscious of professional responsibility, more ready to co-operate with each other and with the administration, or more adequately equipped in scholarship and personality to meet the exacting requirements of secondary school education.

The attitude of the pupils is admirable; I should like to emphasize this point. They have continuously and loyally indicated their readiness to meet the requirements of the executive head even when these necessitated radical changes in attitude toward, and more rigid conformity with, regulations incidental to the organization of a large

high school, notably in the matter of attendance, tardiness, and dismissal. In this connection, I submit the following figures from the attendance records:

	Sept.-Dec., 1920	Sept.-Dec., 1921	Difference
Tardiness	1081	421	660
Dismissal	520	244	276
Average Attendance..	94%	96%	2%

To gain these results, no revolutionary methods have been employed, but the value of habits of promptness and punctuality have been emphasized, and the regulations of the School Committee in regard to absence and tardiness, laid down in conformity with the State laws, have been strictly enforced.

To develop in pupils certain civic and cultural qualities, to prepare them for the worthy use of leisure, to develop in them valuable avocational aptitudes, and to discover in them, if possible, latent talent, extra-curricula activities have been organized under the guidance of faculty members interested in such activities. Only those activities that have a strong and wholesome educational influence have been encouraged, and in them the pupil is given the opportunity to develop in personality and leadership. The following new student organizations have found a place (together with the orchestra, College and Normal Clubs already in existence) in the life of the school and have contributed measurably to its zest and interest: The Secretarial Club, The Boys' and Girls' Glee Clubs, The Household Arts Club, The Mandolin Club, The Dramatic Club, and the Debating Societies. Interesting programs for various public occasions have already been presented and a public entertainment in the nature of an "At Home" for parents and friends is contemplated for later in the year. The organization of extra-classroom activities or their functioning does in no way interfere with scholarship in purely academic pursuits, for membership in any activity

of this sort is made contingent upon meritorious scholarship.

So much for the school in a few of its purely personal aspects which I have of necessity touched upon but very lightly. Coming now to the matter of the machinery of school government, there are certain changes vital to its proper and co-ordinate functioning, the need of which I feel keenly, and which I wish to indicate at this time.

The first is in the matter of the program of studies; at present there are no courses of study, properly so-called, in the Medford High School. Outside of the College and Commercial groups, there is practically no differentiation of the curriculum of the individual pupil with the idea of testing his ability along certain lines, or giving him adequate foundation for future specialization, either in the work of life or in the university. To this end, there should be a definite classification of subjects into courses, using such basis of classification as shall preserve balance in the training offered. This adjustment would make for order, unity, and definiteness in the work of the pupil, and do away with the distressing conflicts, overlappings, and repetition in multiple electives which now burden the program and make a clear and lucid arrangement next to impossible.

Before any such changes take definite shape, however, the abnormal conditions existing in the school due to the semi-annual promotion scheme must, it seems to me, be eradicated. Whatever benefits the sponsors of the semi-annual promotion scheme claimed for it at its inception, time and experience in the operation of the scheme have shown it to be detrimental to the best interests of the school.

I submit the following reasons for the abolishment of the semi-annual promotion system in the High School:

(1) Prime classes, as those entering in February are called, are disproportionately small. During the years of

1917-1921, the February classes never registered above 33 per cent of the total membership of the school, and the graduates never above 31 per cent of the total graduates of the year, varying from twenty-eight, the smallest number graduating, to fifty-four, the largest number graduating, while the September graduating classes varied from one hundred fourteen to one hundred seventy-two.

(2) The arrangement of the schedule for Prime pupils necessitates smaller recitation units. For instance, in September 1921, the Prime classes consisted of five to twenty seven pupils, averaging 14.8 pupils to a class; while the September classes consisted of sixteen to forty-two pupils, averaging thirty pupils to a class. This indicates that Prime classes are too small and September classes unduly large. Note that the small Prime classes use the same teaching time as do the September groups; it follows, then, that the City is paying considerably more for the education of a Prime pupil than that of a September pupil. Teachers of equal experience and equally compensated, have charge of these classes in both cases, though it is obvious that the work of the one teacher is by far more onerous than that of the other. Bear in mind, further, that semi-annual promotions necessitate the organization of the High School into two distinct schools, both using the same rooms and the same teachers but reciting on different schedules that are non-interchangeable, one group being five months in advance of the other in every subject. It follows that the Prime pupils do not enjoy as wide a selection of subjects, for classes are necessarily limited because of the smaller number of pupils in that group, and because congested conditions, arising from the occupancy of the same building by both groups, do not permit so wide an expansion or division of classes, as would be possible were there but one unit to be taken care of. It also follows that September classes must be overcrowded in order that the ratio of teachers to the whole number of pupils in the school be

kept as low as possible. The September pupils are the greater sufferers here, for large classes make it impossible to give them the same amount of personal attention as is given the small Prime classes.

(3) The following table is a comparison of a few of the Prime and September divisions as they were scheduled in September, 1921. This comparison clearly shows the disadvantages of semi-annual organization and indicates at a glance the injustice to pupils and teachers that the system entails. As will be seen, all four years and all subjects are affected.

English IV'A	11	Typewriting II'D	13
IV A	33	II E	29
Physics IV'A	8	Physics II'C	15
IV A	25	II K	31
History IV'A	14	History II'D	15
IV A	26	II D	34
French III'B	5	English I'C	13
III B	20	I C	36
Chemistry III'B	10	Latin I'A	17
III B	26	I B	32
Stenography III'B	12	Algebra I'B	25
III E	31	I B	38
Typewriting III'B	7	History I'A	20
III E	33	I A	39
Biology II'C	12	Science I'B	21
II K	29	I F	39
English II'D	15	Civics I'B	10
II D	31	I F	42
French II'C	9	Com. Arithmetic I'D	12
II C	31	I F	36
Geometry II'B	19	Bookkeeping I'D	12
II B	38	I G	38
Stenography II'D	11	Cooking I'C	6
II E	24	I F	26

(4) Retarded pupils of any half-year, contrary to the theories of the sponsors of this system, are unable to repeat a subject in which they failed because of this very limitation of the expansion of classes. The claim that a pupil, failing in his work, has the advantage of repeating only a half year's requirements, theoretically may be true; in reality, with a few exceptions, the attitude of the retarded pupil is lax and indifferent for the very reason that he rests back upon this special privilege.

(5) The lack of continuity in work begun in February, due to the abnormal break necessitated by the long summer vacation, occurring in the middle of the school year, is a most serious objection. Time is lost in reviewing what would not have to be reviewed, were the work not broken into by a ten-week recess. Then, too, the year for the school is shortened by just so much time as is essential to complete reclassification and rearrangement of schedules.

(6) The semi-annual promotion system works particular hardships for the college pupils, for, in college senior work, the Prime pupils must stay on with the regular Senior college divisions until June, in order to receive the equivalent practice work and training for the College Entrance Board Examinations. For instance, the course in physics for the Prime pupil is finished in January, and a Prime pupil taking college examinations in June, would be considerably handicapped in competing with pupils who have just completed the subject were he not to spend at least a half-year in reviewing his subjects. No "recommendations", no "permits" to take these examinations can be risked without this drill, for no high school can afford to lose its "Certificate Right". Note that this costs the City of Medford per Prime pupil more than per September pupil.

(7) The Prime pupils themselves do not like the system; many drop back a half-year voluntarily rather than

suffer the constant change of teachers and program and sundry other handicaps incident to semi-annual promotion. The school and class spirit of Prime pupils is not so keen, for their numbers are less and they are handicapped by the limitations that are placed upon their participation in school activities. The number of pupils who are benefited by getting out into the business world five months earlier than the regular seniors,—fondest contention of the adherents of dual promotions,—hardly seems to compensate for the injury done the school by the complete upheaval in programs, study and recitation assignments, and complete reorganization necessitated thereby.

(8) The majority of teachers do not favor the plan; of fifty-five in the Medford High School, one only approves it. Headmasters of the most progressive schools of the State are no less decided in their disfavor. Large and successful high schools, notably those of Somerville and Cambridge have tried out with fairness this same system of two promotions a year; they with conditions like our own have decided against it as being undesirable from the point of view of the teacher, the pupil, the parent, and the taxpayer who is the ultimate sufferer, for semi-annual promotion, in order to do justice to both groups, necessitates the expansion of the schedule which in turn demands an augmented teaching force, larger buildings, and in the last analysis, additional outlay to the City.

I am convinced that there would be appreciable improvement in every field of activity in the Medford High School were it placed on the basis of annual promotion.

Permit me to thank you for this opportunity of outlining what the High School is doing and at the same time to express to you and to the School Committee my appreciation of your unvarying consideration and courtesy to me and un-failing interest in the welfare of the school.

Sincerely yours,

J. STEVENS KADESCH

REPORT OF THE EVENING SCHOOL

To the Superintendent of Schools:

This school is held three nights per week from 7.30 to 9.30 o'clock during the season it is in session, and is open to any resident of Medford who is not enrolled in the regular day school.

During 1921-1922 the school was in session forty-six nights, closing February 14. On account of the ice storm in the month of November which left the city without lights, the school was closed for two weeks.

The registration in October was large, the average membership for the month of October being two hundred sixty-three. A number of the pupils were not in school for a serious purpose and soon dropped out, causing the membership to drop to about one hundred and seventy-five. From that time until the close of the school those attending were regular and were in earnest about their work. The average membership for the year was two hundred two and eight-tenths.

The foreign-born who attended, to learn to speak and write English, were very regular in their attendance and the benefit that these people alone obtained from their work made the carrying on of the Evening School well worth while. There were about thirty of these foreign-born attending. It would be well if some scheme could be devised by which more of such pupils might be induced to enter the Evening School. An entertainment was prepared by the pupils of the school and given in January which tended to create a better spirit and also to keep up the attendance.

The subjects taught included Bookkeeping, Commercial Arithmetic, Stenography, Typewriting, Penmanship, Mechanical Drawing, Grammar School studies, Business English, and Elementary English for foreign born persons.

The teachers, consisting of Clarence Anderson, Lawrence Cunningham, Gunnar Gustafson, Edward Leonard, Earl Lorden, Harry Walker, Melvin Weldon, Martha Bennett, Daisy Ehler, Gertrude Fairbanks, Lena Snowman, Josephine Welch, Alice Bowen, and Roy Grindy, were men and women of experience, many of them being teachers in the city schools and especially qualified to teach the subjects assigned them. They took a great interest in the pupils and I am sure those attending school got the most possible out of the courses.

Recommendations for Evening School

- I. I believe the school should continue through March if it is financially possible to have it do so, for these reasons:
 1. Although the membership had decreased considerably, the pupils remaining were very regular in attendance and were in the school for business, being very sorry to have it close.
 2. During the holidays, many pupils lost a great deal of time because of night work.
 3. A majority of the pupils had very little schooling and sixty nights, the equivalent of twelve day-school days, is little enough time to accomplish any amount of work.
- II. I recommend that a fee of \$1 per pupil be charged instead of 50c as at present, for this will tend to keep away the undesirable who regard the school principally as an opportunity for pleasant loafing and inexpensive amusement.
- III. Courses in Cooking, Millinery, and Sewing would be of great benefit to many of the young women in the city and would hold them in school when courses in other subjects would not keep their interest.

- IV. A definitely formulated course of work should be introduced into the school. At present pupils are working toward no end as far as the school is concerned. A pupil entering the second year should look forward to something advanced over what he did the year before.
- V. A special drive to induce foreign-born people to enter the school would be time very profitably spent.

Respectfully submitted,

RALPH L. KENDALL,

Principal.

February 20, 1922.

REPORT OF THE ACADEMIC DEPARTMENT OF THE SUMMER SCHOOL

To the Superintendent of Schools:

The academic department of the summer school was opened July 11, 1921, with an enrollment of 128 pupils. Unfortunately, this enrollment is representative of only one-fifth of those pupils who expressed a desire to attend the summer session. The limited appropriation for this type of school work made it necessary to admit only those pupils who had failed of promotion, or whose conditional promotion would work a real hardship. I refer here particularly to eighth grade pupils. The requirements of admission were the same as in preceding years.

Fourteen, or approximately 11 per cent of these pupils, dropped out before the close of the term, while but nine, out of 94 entering non-promoted, failed of promotion. The annual report of the school department of last year showed the average expenditure per pupil to be \$62.45 or \$31.23 for the half-year ending June, 1920. The cost of the academic summer school was approximately \$5.52 per pupil. A brief examination of these figures will show an aggregate saving of \$2184.50 to the city, made possible by the academic summer school. Quite obviously, the financial saving is only one consideration.

The following table shows the distribution of pupils by grade, their scholastic standing at the time of entering the academic summer school and their standing at the close of the summer session.

Summer School Standing							
Grade	Standing, June 30		Advanced to		Remaining		No. Leaving
	* N. P.	C. P.	S. P.	C. P.	C. P.	N. P.	
8A	7	9	9	7	0	0	0
8B	12	6	3	10	1	0	4
7A	13	0	0	9	0	4	0
7B	12	0	0	8	0	4	0
6A	18	4	12	5	0	0	5
6B	9	3	4	4	1	0	3
5A	16	1	7	7	0	1	2
5B	7	1	0	7	1	0	0
Total	94	24	35	57	3	9	14

* N. P., non-promotion; C. P., conditional promotion; S. P., straight promotion.

Respectfully submitted,

BERTRAND HOOPER,
Principal

REPORT OF THE INDUSTRIAL BRANCH OF THE SUMMER SCHOOL

To the Superintendent of Schools:

It was a happy group of children who met their teachers in the Cradock School on Tuesday morning, July 5 at eight-thirty o'clock, to begin the five weeks' session of the industrial work.

One hundred ninety-nine children were enrolled during the summer, and the average daily attendance was 131.97, which was very good considering the heat, long distances traveled by some of the children, and the interruption in attendance caused by individual vacations.

Among the useful articles made by the children during the five weeks are the following:

Miss Dolan's children made letter-holders, pen-trays, pen-wipers, blotters, match-scratchers, handkerchief-boxes, shaving-pads, scrap-books, jointed animals, etc.

Miss Rose's children made pads, toys, pin-trays, match-scratchers, etc.

The girls in sewing made bungalow aprons, babies' bibs, handkerchiefs, holders, bags, needle-books, small aprons, petticoats, beside making eighty articles for the Red Cross in Medford.

Each class went on an outing once during the season. The sewing class went to City Point on July 27; the Sloyd class to Franklin Park on August 1; and the little children went with their teachers, Misses Rose and Dolan, to the Lawrence estate on July 26.

The summer passed happily with much work accomplished, which was put on exhibition Thursday P. M., August 4, from two to four o'clock.

Many friends of the school availed themselves of the opportunity to come and see the work, thereby encouraging the children and their teachers.

Respectfully submitted,

FLORA E. HINMAN,
Principal.

APPENDIX A

TABLE I.—Number of Pupils in the Different Grades, December, 1921.

SCHOOLS	Grade 1b	Grade 1a	Grade 2b	Grade 2a	Grade 3b	Grade 3a	Grade 4b	Grade 4a	Grade 5b	Grade 5a	Grade 6b	Grade 6a	Grade 7b	Grade 7a	Grade 8b	Grade 8a	HIGH SCHOOL								Spec. Classes	Totals		
																	Class I	Class I'	Class II	Class II'	Class III	Class III'	Class IV	Class IV'			Post Grad.	
High																		262	122	225	101	102	62	126	32	9	1,101	
Swan Junior High													140	127	132	84	88	43	133									580
Centre																											176	
Washington							20	36	20	46	40	36	35														233	
Franklin								64	53	73	44	85	49														382	
Everett	42	25	43	19	39																						168	
Osgood	41	15	24	17	14	13	13	8	17	16	10	14															202	
James	55	33	52	32	48	24																					244	
Curtis	46	34	36	26	30	32																					204	
Brooks					22	66	42	72	40	66	39	78	42	56	49	62											628	
Gleason	32	19	41																								92	
Hervey	63	22	36	34																							155	
Lorin L. Dame					60	40	71	43	81	30	60	62	64	41	33												507	
Hancock	55	22	44	30	37	28	8	23		7	21																275	
Craddock	35	27	36	16																						17	131	
Hillside	44	32	53	22																							151	
Lincoln					48	48	91	39	94	68	82	72	98	60	75												775	
Tufta	100	55	74	35	38																						308	
Fulton Street	63	24	35	19	36	14	32	16	20	11	32	18															326	
Total Dec., 1921	582	308	474	272	416	267	387	242	403	249	410	262	367	277	345	217	350	122	225	101	102	62	126	32	9	31	6,728	
Total Dec., 1920	557	286	462	272	390	259	410	243	409	279	370	274	370	254	307	194	256	144	183	94	136	47	120	51	5	6,378		
Total Dec., 1919	511	328	414	260	408	317	356	265	375	263	381	256	362	221	281	182	263	118	171	78	134	68	124	65	4	6,205		
Total Dec., 1918	517	284	437	263	403	270	339	281	376	252	370	251	313	194	270	114	235	96	204	88	146	84	137	34	3	5,992		

TABLE II.—NUMBER OF TEACHERS IN THE DIFFERENT DEPARTMENTS OF THE DAY SCHOOLS
DECEMBER, 1921.

	Principals		Regular Day School Teachers			Retarded Class Teachers	Supervisors and Special Instructors.										Totals
	Supervising	Teaching	High	Junior High	Elementary		Grammar Grades	Primary Grades	Music	Drawing	Physical Training	Sewing	Cooking	Mech. Drawing Woodwork Printing	Penmanship		
Men	5		13	2			0	0	1	0	1	0	0	3	1	26	
Women ...	2	10	33*	40	105	2	1	1	1	2	2	1	2	0	0	202	
	7	10	46	42	105	2	1	1	2	2	3	1	2	3	1	228	

* One part-time teacher.

Comparison with a similar tabulation for 1920 shows that thirteen teachers were added to the staff in 1921. Eleven were added in 1920.

TABLE III.—Number of Pupils per Room in Elementary Grades,
December, 1921.

No. of Rooms	No. of Pupils per Room
14.....	24—30
26.....	31—35
38.....	36—40
22.....	41—45
14.....	46—51
Average number per room, 37.5	

TABLE IV.—Average Age of Pupils in the Respective Grades,
September, 1921.

I		II		III		IV	
B.	A.	B.	A.	B.	A.	B.	A.
yr. mo.	yr. mo.	yr. mo.	yr. mo.	yr. mo.	yr. mo.	yr. mo.	yr. mo.
6 5	6 11	7 7	8 2	8 6	9 2	9 9	10 7

V		VI		VII		VIII	
B.	A.	B.	A.	B.	A.	B.	A.
yr. mo.	yr. mo.	yr. mo.	yr. mo.	yr. mo.	yr. mo.	yr. mo.	yr. mo.
10 8	11 5	11 8	12 5	12 7	13 4	13 7	14 4

HIGH

IXB	IX A	X B	XA	XIB	XIA	XII B	XII A
yr. mo.	yr. mo.	yr. mo.	yr. mo.	yr. mo.	yr. mo.	yr. mo.	yr. mo.
14 6	15 1	15 5	15 10	16 4	16 11	17 1	17 9

TABLE V.—ATTENDANCE DATA, ETC., FOR THE SCHOOL YEAR ENDING JUNE, 1921

SCHOOL	Whole No. of pupils enrolled exclusive of re-enrollment in the city			Average membership	Average attendance	Per cent of attendance	Cases of corporal punishment	No. of different truants	Half days of truancy	Cases of tardiness	Cases of dismissal
	Total	Boys	Girls								
High	1019	444	575	909.9	936.2	93.62	.....	61	170	2881	1782
Swan Junior High.....	548	249	299	538.8	502.9	93.32	3	33	113	2522	330
Centre	217	115	102	212.5	201.1	95.11	2	25	68	468	130
Washington	359	193	166	304.8	286.7	94.06	1	9	17	330	64
Franklin	418	231	187	400.1	376.7	94.14	9	11	40	288	161
Everett	192	102	90	152.3	140.0	92.50	.....	3	3	152	49
Osgood	202	91	111	177.6	166.8	93.90	.....	1	4	205	224
James	289	146	143	228.3	213.	93.31	3	3	4	120	65
Curtis	273	145	128	218.0	201.1	91.99	.....	2	8	191	79
Brooks	672	346	326	602.2	560.9	93.14	1	11	42	816	311
Gleason	132	68	64	96.9	86.2	88.96	.....	.....	.....	139	50
Hervey	154	75	79	121.9	107.5	88.16	.....	2	12	570	73
Lorin L. Dame.....	580	282	298	558.6	529.8	94.81	5	33	98	473	266
Hancock	315	163	152	276.9	255.5	92.23	.....	2	7	230	101
Craddock	176	91	85	131.8	123.3	93.48	4	3	5	129	46
Hillside	209	108	101	153.9	142.5	92.63	.....	.....	.....	85	65
Lincoln	808	418	390	728.7	687.0	94.27	11	59	176	533	350
Tufts	375	196	179	292.8	271.1	92.58	.....	11	29	391	72
Fulton Heights.....	170	93	77	144.8	125.2	86.51	.....	1	4	374	38
Totals.....	7108	3550	3552	6341.4	5915.3	93.28	39	270	800	10897	4262

Appendix B

ANNUAL FINANCIAL EXHIBIT FOR 1921

1. General Statement

Receipts

Original appropriation.....		\$422,500.00
Supplementary appropriations:		
Stewardship	\$2,500.00	
Repairs	5,000.00	
General Expense	250.00	
Retarded Pupils.....	436.00	
	<hr/>	\$8,186.00
From the following sources:		
Tuition from State wards.....	\$1,850.25	
Miscellaneous Credits.....	16.88	
Damage, Evening School unre- funded deposits, etc.....	715.94	
	<hr/>	\$2,583.07
Total		<hr/> \$433,269.07

Expenditures

Teachers, Superintendent and Clerks	\$339,090.90	
Janitors, Engineer and Truant Officer	27,514.07	
Medical Inspector	600.00	
	<hr/>	\$367,204.97
Books and Supplies.....		14,464.57
Fuel		19,884.12
Repairs		16,732.40
General Expenses (Miscellaneous items not classified under the above headings)		8,959.59
		<hr/>

Total expenditures for support of regular day schools.....		\$427,245.65
Evening Schools		2,191.16
Retarded Pupils		1,535.63
Summer School:		
Academic Department	\$704.00	
Manual Department.....	478.84	
		<hr/> \$1,182.84
Total for Support of All Schools		\$432,155.28
Balance		1,113.79
Unpaid bills:		
Textbooks and Supplies....	\$4,818.78	
Fuel	8,693.67	
		<hr/> \$13,512.45

2. Average Expenditure Per Pupil

a. Regular Day Schools

(Based on the average membership of the schools for the fiscal year, 6470.9).

For teaching (including High School Clerk)..	\$51.13
For Administration (Superintendent and Clerks)	4.25
For Janitors, Engineer and Truant Officer....	4.25
For Secretary of School Committee.....	.09
For Books	1.18
For Supplies	1.80
For Fuel	4.41
For Repairs	2.59
For Medical Inspection.....	.24
For General expenses (miscellaneous items not classified under the above heading).....	1.38
	<hr/>
Total cost per pupil for day school purposes	\$68.11

b. Evening School

(Based on the average membership for the 16 weeks of the fiscal year that the school was maintained, 208.5).

For Teaching	\$9.00
For Janitors	1.01
For Books and Supplies.....	.44
For Printing .....	.06
	<hr/>
Total	\$10.51

c. Summer School

Academic Department

(Based on the average membership of the school, 108.5).

For Teaching	\$6.11
For Janitor Service.....	.41
	<hr/>
Total	\$6.52

Manual Department

(Based on the average membership of the school, 148.1).

For Teaching	\$3.04
For Janitor Service.....	.11
For Supplies .....	.08
	<hr/>
Total	\$3.23

3. Cost for High School Maintenance**a. Total Expenditure**

Salaries (teachers, janitors, engineer, clerk) ..	\$99,591.35
Books	1,300.30
Supplies	2,780.90
Fuel	4,101.62
Sundries	1,923.72
Repairs	1,074.25
	<hr/>
Total	\$110,772.14

b. Average Expenditure Per Pupil

(Based on average membership for the fiscal year, 1052.1).

Salaries (teachers, janitor, engineer, clerk) ..	\$94.67
Books	1.24
Supplies	2.64
Fuel	3.90
Sundries	1.83
Repairs	1.02
	<hr/>
Total	\$105.30

APPENDIX C

1

MEDFORD HIGH SCHOOL GRADUATION

February four, Nineteen Hundred Twenty-one
At eight o'clock in the evening.

ORDER OF EXERCISES

Entrance of Class

Address by Class President

Joseph F. Batchelder

Barcarolle from "Tales of Hoffmann".....Offenbach
Girls' Glee Club

Essay: "Democracy Triumphant"

Walter J. Rhodes, Jr.

Selection from Musical Comedy "Mary".....Hirsch
School Orchestra

Valedictory Essay: "The Unknown Soldier"

Margaret Dinneen

Sextette from "Lucia".....Donizetti
Girls' Glee Club

PRESENTATION OF DIPLOMAS

By Hon. Benjamin F. Haines

"America" (Stanzas one and four)

GRADUATING CLASS

Joseph Forrest Batchelder
James Tweedie Blair
Marjorie Alice Boss
Norma Carolyn Carlson
Roger Perkins Carlson
John Joseph Cleary
Anna Irene Coffey
John Joseph Dignan
Margaret Dinneen
Helen Frances Donaghy
Helen Ann Donovan
Mildred Lee Douglas
Michael Arcangelo Ferullo
Winifred Genevieve Floyd
Allan Thurman Frazier
Zelma Adelaide Friedman
Mafalda Lucille Gallarane
Edna Goodman
Louise Rita Griffith
Geraldine June Guthrie
Winifred Olive Hogan
Thelma Charlotte Johnson
Ernest Allston Joyce
Olive Jane Kelsey
Luella Genevieve Kenneally
Charlotte Constance McClellan

Agnes Clara MacConnell
John Gerard McDavitt
James Bernard McGrath
Leta Evelyn Marshall
George Harris Meserve, Jr.
Lillian Pauline Metcalf
William Albert Morrissey
Edwin Hardy Ober
Robert James O'Connor
Frieda Merrill Peaslee
Melvin Goodnough Pierce
Ethel Josephine Preble
John Andrew Prior
Walter John Rhodes, Jr.
Ruth Audrey Rice
Swanhild Marie Ross
Michael Edward Santoianni
Alice Margaret Shield
Charles Henry Smith
Thomas Joseph Smith
Marion Roxalana Spencer
Arnold Starr
Elizabeth Thorpe
Robert Warren Torrens
Frank Ivan Vaughan

HONORABLE MENTION

* Asterisks Indicate Advanced Work

Norma Carolyn Carlson.....	French
Margaret Dinneen.....	*English, *Latin, *French
Helen Ann Donovan	
*English, Bookkeeping, Stenography, Typewriting, Household Arts	
Michael Arcangelo Ferullo.....	History
Winifred Genevieve Floyd.....	Bookkeeping
Zelma Adelaide Friedman.....	*English, *Latin, French, Mathematics
Edna Goodman.....	*English, Stenography, Typewriting
Louise Griffith.....	Stenography, Typewriting
Charlotte Constance McClellan.....	*Bookkeeping, *Law
Frieda Merrill Peaslee.....	Freehand Drawing
Elizabeth Thorpe.....	*Latin
Walter John Rhodes, Jr.....	*English, French, *Mathematics

Honorable mention is given in the following groups: English, Latin, French, German, History, Science, Mathematics, Drawing, Commercial Subjects, Household Arts, on a basis of at least three years' work with fifty per cent of the marks A.

Appendix C

1

MEDFORD HIGH SCHOOL GRADUATION

June Twenty-four, Nineteen hundred and twenty-one
At eight o'clock in the evening.

ORDER OF EXERCISES

Entrance of Class

Address of Welcome by the President of the Class
Edward M. Brooks

"The Elf and Fairy".....Densmore
Girls' Glee Club

Essay: "A Life Worth While"
Wendell Lowry

"Sakuntala Overture".....Goldmark
School Orchestra

Valedictory Essay: "John Burroughs"
Laura D. Caldwell

"Lullaby"
Girls' Glee Club

PRESENTATION OF DIPLOMAS

By Hon. Benjamin F. Haines

"America" (Stanzas one and four)

GRADUATING CLASS

James Carruthers Andrews	Doris Frances Kingston
Adin Burton Bailey	Phyllis Evelyn Leach
Earl Francis Ballou	Frances Cecelia Leary
Dora May Barchard	Frank John Leverone
Rupert Bruce Barrey	Robert Burns Lockhart
Florence Jeannette Bemis	Dorothy Elizabeth Lord
Julia Berecz	Earle Thurston Lothroppe
Henry Corduke Brawley	Wendell Lowry
Edward MacIntyre Brooks	Irene Frances Lumbert
Elsie Grace Brown	Anna Cecilia Lyons
Miriam Roberta Brown	Alice Rita McCusker
Margery Elizabeth Buchanan	Mary Agnes MacDonald
Laura Dillingham Caldwell	Katherine Agnes McGuine
Dorothy Selden Carleton	John Stephen McGuinness
Robert Henry Cathcart, Jr.	George Henry McKenna
Mary Florence Clear	Hazel Irene MacKenzie
William Edward Colleran	Pearl Mildred MacKenzie
Georgina Beatrice Constantine	James Earl Macaulay
Bernard Llewellyn Cook	Gertrude Marie Mahoney
Gladys May Cook	Michael Richard Mahoney
Eleanor Crosby	Charles Emerson Mander
George William Deering	Daniel Anthony Manley
Raymond D'Italia	Lillian Gertrude Marshall
Frederick Arthur Dodge	Helen Elizabeth Marson
Catherine Gertrude Donahue	Rene George Maurette
Benjamin Graves Brown Durkee	Florence Madalyne Miller
Alice Frances Farmer	Surpouhe Minas
Florence Elizabeth Foley	Grace Montague
Oren Foss Fraser	Elva Louise Nicoll
Maurice Tracy Freeman	Martin Lawrence Niland
Andrew Francis Gaffey	Elizabeth Walker Noonan
Hilda Lansing Gale	Grace Lucille Ogden
William James Gannon	Doris Florence Olson
Hortense Anna George	Edward Preble Oxnard
William Edward Gillis	Charles Ellsworth Platt
Sumner Wyman Goodwin	Ruth Nowell Quimby
William Howard Graham	Virginia Lamber Quinn
Thomas Francis Grant	Marie Louise Rathbun
Francis Bernard Greelish	Ellen Veronica Reagan
Gertrude Irene Green	Paul Gooding Richmond
Ruth Somerville Hamer	Pauline Godding Richmond
James Bradford Harlow	Clarence Burton Rood
Irma Gertrude Harris	Barbara Roscoe
Geoffrey Hugh Houlder	Hazel Lillian Samson
Lois Emmagene Howland	Warren Francis Sawyer
Avery Lincoln Joyce	George Palmer Severance
Marion Grace Kimball	Sophie Shachoy

Joseph Herbert Sharrillo
Norman Alexander Shenk
Gove Worthington Sleeper
Helen Ruth Squires
Florence Gertrude Steele
Frances Morrison Stephens
Ivy Ethel Stoker
Catherine Mary Stoker
Beatrice Leonis Sullivan
Warren John Sullivan

Allen Charles Walker
Doris Madeleine Watson
Eleanor Frances Welsh
Frederick Laurence Weston
Elizabeth Frye White
Stanley Young Whitney
Ruth Elizabeth Wiltshire
Kathleen Worcester
Mildred Marie Ysebaert

HONORABLE MENTION

* Asterisks Indicate Advanced Work

Henry Corduke Brawley.....	Frechand Drawing
Edward MacIntyre Brooks.....	French
Elsie Grace Brown.....	Stenography and Typewriting
Miriam Roberta Brown.....	French, Dressmaking
Laura Dillingham Caldwell.....	*English, Latin, French
Mary Florence Clear.....	*English
Eleanor Crosby.....	Latin, French
Hilda Lansing Gale.....	French
Gertrude Irene Green.....	*English, *Bookkeeping and *Law
Ruth Somerville Hamer.....	*English, French, History
James Bradford Harlow.....	Latin, French, *Mathematics
Irma Gertrude Harris.....	English, French, Stenography and Typewriting
Geoffrey Hugh Houlder.....	French, Bookkeeping and Law
Doris Frances Kingston.....	French, Mathematics
Frances Cecelia Leary.....	*Latin
Earle Thurston Lothrop.....	Bookkeeping and Law
Charles Ellsworth Platt.....	Latin
Pauline Godding Richmond.....	French
Hazel Lillian Samson.....	French
Sophie Shachoy.....	*English
Joseph Herbert Sharrillo.....	French
Doris Madeleine Watson.....	*English, French
Ruth Elizabeth Wiltshire.....	*Latin, French, Mathematics
Kathleen Worcester	French

Honorable mention is given in the following groups:—English, German, History, Science, Mathematics, Drawing, Commercial Subjects, Household Arts, on a basis of at least three years' work with fifty per cent of the marks A.

APPENDIX D

1. Pupils Promoted to Ninth Grade, February, 1921

Swan Junior High School

Girls

Gladys M. Andersen
 Hazel M. Baker
 Mary L. Brenick
 Edith E. Cantell
 Doris Clausen
 Margaret E. Clear
 Florence E. Conway
 Hazel R. Dalton
 Mary E. Deviney
 Regina Donath
 Elizabeth M. Donovan
 Gladys A. Fitzgerald
 Lillian A. Gardner
 Virginia L. Graham
 Viola E. Hardy
 Lillian M. Keady
 Ada Kendall
 Williamina V. MacBrayne
 M. Edna McCarthy
 Marguerite O. MacLeod
 Lillian M. McMahon
 Gertrude C. MacMillan
 Frances J. Macintosh
 Delphine R. Mathey
 Kathryn T. Miller
 Pearl M. Sawyer
 Helen C. Thompson
 Ruth C. Thompson
 Ruth M. Wales
 Althea Wear

Boys

Richard G. Aaron
 Roy W. Baker
 Louis Bornstein
 Arthur J. Consolmagno
 James Crivelli
 Henry G. Dahl
 Jack R. Dahl
 John D. Dwyer
 Charles F. Eddy, Jr.
 H. Norman Frazee
 W. Joseph Gray
 Frederick W. Howland
 Russell E. Lewis
 William C. Looney
 Arthur R. Lufkin, Jr.
 Arnold O. Nicoll
 *Ernest M. Pierce
 J. William Richardson
 Paul S. Ryan
 Victor B. Savitz
 Alfred J. Shiner
 John A. Sullivan
 G. Melville Trowbridge
 George Q. Voigt

*Did not enter Ninth Grade.

Centre School

Girls

Marjorie E. Anguish
 Marie L. Bacon
 Doris F. Bartlett
 Catherine G. Bertolami
 Doris H. Booth
 Irene Bucek
 Natalie O. Calder
 Grace V. Comiskey
 Edith Coppelman

Boys

Axel T. Anderson
 Francis L. Archibald
 Arthur C. Armstrong
 George H. Boynton
 Patrick W. Bruno
 Lawrence F. Carew
 Richard M. Clark
 Douglas T. E. Cox
 W. C. Jewett Frost

CENTRE SCHOOL—Continued

Girls

Mary F. Cronin
 Mary A. Dempsey
 Mary E. Donaghue
 Marguerite P. Drummey
 Helen J. Fallon
 Caroline F. Field
 Madeline G. Fiske
 M. Beatrice Frye
 *Lillian S. Goodwin
 Margarite V. Griffin
 M. Ruth Hanning
 Ruth E. Harvey
 Florence W. Haynes
 B. Myrne Howard
 Maxine V. D. Jones
 Eleanor F. Lauria
 Blanche G. LeBlanc
 Marion J. Leslie
 Ruth A. Libbey
 Dorothy A. McKeaggan
 Beulah M. Marcy
 Helen J. Milward
 Mary Milward
 *Mildred R. Nazzaro
 Paula F. Neugebauer
 Josephine V. Novelline
 Katharine O'Brien
 Clair M. O'Connor
 Mary C. Palumbo
 L. Ariel Perham
 Jennie Pretty
 Gladys M. Pynn
 C. Grace Quinn
 Hazel E. Richings
 Leonase Ritchie
 Virginia M. Rose
 Dorothy H. Rugg
 Etta M. Sanford
 Evelyn Shattuck
 Elizabeth C. Sonier
 Leona Spinney
 Isabelle Stetson
 Katharine L. Sullivan
 Katherine Tisdale
 Hannah W. Tyler
 Selma Weiss
 Florence E. Weston
 Frances T. White
 Alice E. Whitefield
 Ruth E. Winslow

Boys

Bernard I. Green
 Charles S. Grell
 Thomas A. Healy
 John F. Higgins
 John A. Hughes
 Russell I. Johnson
 Samuel Johnson
 Lester H. Jones
 *E. Gordon Kakas
 Arthur T. Kersey
 George B. Knox
 John S. Lindsey
 John McDonald
 Paul P. Magennis
 Fred H. Mander
 David H. Marston
 George W. Moholland
 Joseph R. L. Molinari
 Ralph J. Mulkerin
 John J. Murphy
 Thomas J. Murphy
 E. Ilsley Nelson
 Harold F. Nichols
 Frank L. Panzer
 Alfred Parece
 Maurice L. Reed
 George F. Richardson
 G. Philbrick Roberts
 Donald E. Robinson
 John Robinson
 Charles D. Ross
 Lester C. A. Samson
 C. Fred Sargent
 George F. A. Seabrook
 Patrick D. Scali
 Joseph N. Siegel
 J. Warley Smith
 Ara G. Surabian
 Lawrence T. Talcott
 Everett M. Thompson
 Norman A. Thornquist
 Bernard B. Twombly
 *George L. Ward
 Thomas B. White
 Geoffery Wingate
 Donald B. Woods

*Did not enter Ninth Grade.

Entered Grade 9B, February, 1921, 97 per cent.

2. Pupils Promoted to Ninth Grade, June, 1921.

Swan Junior High School

Girls

Olive C. M. Andersen
 Margherite J. Bacchini
 Eva R. Bagnulo
 Edith R. Blight
 Mary B. Bolger
 Frances L. Buchanan
 Jessie Carlyle
 Edith F. Carroll
 Lucy Cooper
 Marion L. Cram
 *Rachel B. DeSmet
 Margery L. Donaghy
 Emilie M. Dwyer
 Velma J. Forward
 Hazel E. Foss
 Alice E. Fowler
 Mary F. Grady
 *Rose M. Groppa
 Agnes M. Gunther
 Jennie E. Haggerty
 Lillian A. Hamlin
 S. Mildred Herrick
 Evelyn C. Higginson
 Sylvia G. Houlder
 Alice V. Johnson
 Irma T. Johnson
 Gertrude M. Kerrigan
 *Margaret M. Leahan
 Margaret E. Mahoney
 Geraldine M. Malo
 *Helen Martilla
 Leontena Marquebreuck
 Elizabeth A. Masset
 Margaret C. M. Moody
 Christine E. Murphy
 Ruth M. Nason
 Finetta E. Nigro
 J. Margaret Nolan
 *Gertrude G. Pettengill
 Tina M. Pollina
 Florence Price
 R. Florence Rosenblad
 *Stella E. Ryba
 Louise H. Sarnie
 Anna E. Shaw
 *Helen M. Sholes

Boys

Henry W. Anshelm
 John F. Barker
 Thomas R. Bowen
 Oscar Breynaert
 *Alexander S. D. Bruch
 Henry D. Bucci
 Orrin G. Cafrella
 C. Carlton Caldwell
 Francis B. Cass
 *John L. Churchill
 Roger Connors
 Charles R. Damrell
 Charles E. Dierig
 Peter B. Donahue
 Curtis S. Edgett
 Edward Egan
 Peter J. Feeley
 Charles F. Fell
 Orville C. Forward
 W. Gordon Garrison
 Robert H. Hickey
 *Sheldon B. Hickox, Jr.
 John L. Hovendon
 *Walter S. Hunter
 Hugo V. LaFreniere
 William H. Libby
 Robert H. Lord
 Earl F. MacDonald
 Robert T. McGrath
 Clarence N. Morang
 F. Grey Murphy
 John J. Murphy
 John G. Nolan
 *Thomas W. O'Connor
 Thomas C. Parsons
 Ellsworth H. Peak
 Irving Peterson
 James B. Pratt, Jr.
 John F. Reid
 John H. Riley
 Arthur Romano
 Amelio Sacco
 *George N. Savard
 Carl L. Sawyer
 *Edward W. Sherman
 A. Donald Smith

*Did not enter Ninth Grade.

SWAN JUNIOR HIGH SCHOOL—Continued

Girls

Helen L. Shufelt
Beatrice F. Sinnott
*Evelyn M. Smith
Dorothy L. Thompson
Jean R. Thomson
Yolanda M. Vitale
Isabel A. Vye
Alva C. Waldron
Helen F. Watts
Pauline V. Webber
Harriet E. White
Lily Willis

Boys

Arthur R. Stedman
Charles Toomey
*Harry W. VanGeehoven
Kenneth S. Walls
Daniel J. White
John W. Willis

*Did not enter Ninth Grade

Centre School

Girls

Hildegarde G. Allison	*Elsie C. Jenkins
Ethel L. Anderson	Virginia M. Jerguson
Helen M. Anderson	Sigrid E. Johnson
Grace E. Antrobus	Marion I. Joseph
Elizabeth J. Ashworth	Dorothy C. Joslin
Ruth Bailey	Dorothy H. Kennedy
Evelyn M. Ballou	Eleanor C. Knight
Helen G. Barker	Portia Kountze
Alice G. Beunke	Ella C. Lermond
Dorothy M. Brewster	Eleanor F. McDonough
Dorothy I. Brookings	Helen R. McGuine
Elizabeth Brown	Mary G. Maher
Jessie H. Brown	Marguerite A. Myers
†Ruth M. Brown	Margaret M. O'Connell
Edith G. Campbell	Maude E. O'Hearn
Dora Cappuccio	Jeannette Ormsby
Jeanette M. Casamassima	Elinor T. Paige
Marjory S. Child	Josephine B. Panzica
Loretta M. Clarke	Ida O. Porter
Blanche E. Coes	Helen G. Qualey
Mildred E. Crowley	Dorothy S. Quinby
Beulah E. Desmond	Eleanor M. Reilly
Mary D'Italia	S. Virginia Reynolds
M. Dorothy Dolloff	Agnes S. Ritchie
*Josephine R. Donaghue	Bernice L. Schelzel
†Mary E. Donahue	L. Annie Starr
*Mary C. Donovan	Erma L. Steeves
Anna T. Dwyer	Clare E. Sullivan
Doris Fitts	Florence E. Sweetser
Mary F. Fleming	Thelma V. Swenson
Annie O. Floodstrand	*Frances I. Symon
Marion H. Fulmore	Marie A. Tabb
Agnes J. Given	Ruth M. Taylor
Ruth Goodman	Ada V. Tedeschi
Helen R. Goodrich	Irene G. Walsh
Dora Harris	Dorothy L. Weston
Helen L. Hartman	Helen Whitcomb
Florence M. Hodgdon	E. Katherine Whitney
M. Caroline James	Eleanor, Wholley

*Did not enter Ninth Grade.

†Promotion gained in Summer School.

CENTRE SCHOOL—Continued

Boys

Maurice E. Abbott	Francis G. Huyler
Harvey F. Bartlett	Edward G. Kakas
†Walter G. Beaumont	George A. Kee
Louis Berecz	John G. Kneeland
Harold W. Berton	Clarence P. Lindner
Wilfred H. Boland	Frank M. Longo
Walter E. Bosselmann	†William J. Lovell
George A. Bowers	*Genaro Luongo
*Richard T. Brigham	Kenneth P. MacArthur
William Canty	Thomas F. McCarty
James W. Carroll	*Alexander L. MacDonald
George A. Cataldo	Malcolm J. MacDonald
Ernest Chisholm	Duncan H. MacInnes
†Warren P. Clark	Earl Mahoney
Winthrop B. Clark	Joseph W. Moore
Howard P. Connor	James V. Moriarty
Reginald W. Cromwell	Earl F. Mott
Irwin L. Crowell	*Thomas F. Murphy
Norman W. Dakin	Walter G. Neale, Jr.
Robert R. Dalzell	William W. Nealley
Eugene F. DeCarpis	Ralph E. Norton
H. Lincoln de l'Etoile	Charles E. O'Brien
Antonio J. DiJulia	Burnham L. Paige
Robert E. Doe	Ernest A. Phillips
Harold F. Dole	E. George Pierce, Jr.
Archibald J. Drady	Bernard Pritzker
Vincent A. Fay	*Thomas L. Quessy
Arthur J. Ferullo	*Alfred S. Rezendes
*Eugene L. Fisher	Victor M. Scoppettuolo
*Joseph Fitzgerald	James E. Sibley
Edward P. Foley	Arthur L. Spofford
Edwin A. Fuller	Ralph W. Stoker
Francis R. Gaffney	†Frank Storella
Richard B. Gibbs	Archie L. Surette
Eliot H. Gordon	George C. Talbot
R. Stanley Gove	Axel O. Velden
†Hubert E. Green	Warren W. Walker
Clive Hadley	*Henry M. Wallengren
George L. Hallenbrook	*Albert Walter, Jr.
Stanley W. Hanington	William A. Ward
Arthur D. Harriman	Roger F. Washburn
Allan H. Henderson	James W. Welch
*Lewis M. Hilles	Lawrence G. Wessells
Francis L. Horgan	Fred B. Weston
Walter K. Hunter	Miles S. Wilder

*Did not enter Ninth Grade.

†Promotion gained in Summer School.

Entered Grade 9B, June, 1921, 88 per cent.

APPENDIX E
ORGANIZATION OF SCHOOL STAFF December 31, 1921

SUPERVISORS AND SPECIAL TEACHERS

Name	Work	Where Educated	When Elected
Elizabeth T. Newell, Mrs., B. S.....	Supervisor of Upper Grades....	Columbia University	1914
Margaret E. Grady.....	Supervisor of Primary Grades...	Salem Normal	1912
Wirt B. Phillips.....	Music	*Geneva Normal, Ohio.....	1919
Mildred S. Jones.....	Music	Conservatory of Music.....	1911
Josephine Kintz	Drawing	Normal Art School.....	1903
Ruth A. Perkins.....	Drawing	Normal Art School.....	1910
Elma M. Soderquist.....	Sewing	School of Domestic Science.....	1911
Marion Buttrick.....	Domestic Science and Sewing....	Simmons College	1918
Joseph T. Whitney.....	Manual Training	M. I. Technology.....	1894
Melvin V. Weldon.....	Assistant in Manual Training..	Wentworth Institute	1912
Gunnar S. Gustafson.....	Assistant in Manual Training..	Sloyd Training School	1918
Pauline W. Chellis.....	Physical Training.....	Boston School of Physical Education	1919
Brenda Moore	Assistant in Physical Training...	Boston School of Physical Education	1921
Edmund W. O'Donnell, B. P. E.....	Physical Training.....	Springfield Training School.....	1921
Clifton W. M. Blanchard.....	Penmanship	Bridgewater Normal	1911

* Signifies attended without graduation.

ATTENDANCE OFFICER

Thomas F. McGuine

MEDICAL INSPECTOR

Edward W. Barrett, M. D.

SCHOOL NURSE

Rebecca L. Walther, R. N.

DENTAL HYGIENIST

Anne E. Wiltshire

ORGANIZATION OF SCHOOL STAFF—Continued

Name	School and Work	Where Educated	When Elected
HIGH SCHOOL			
J. Stevens Kadesch, A. B., Headmaster	.....	Clark University.....	1921
Frank S. Gilkey, A. B., Sub-master.....	Head of Classical Department....	Harvard College	1897
Sara A. Clapp, Junior Sub-master.....	Head of Modern Language Department	*Paris, *Göttingen	1897
Katherine L. Baker.....	Cooking	Framingham Normal	1919
Belle Ballou.....	English	*Wellesley, *Simmons	1921
John I. Bennett, B. S.....	Mathematics and Science.....	Mass. Agricultural College.....	1921
Martha C. Bennett.....	Stenography and Typewriting....	Mass. College of Commerce.....	1911
Lillian M. Bowker, A. B.....	French	Boston University	1915
Kurt G. Busiek, A. B.....	Head of Physics Department....	Boston University	1921
Leslie R. Carey, A. B.....	English and Public Speaking....	Bates College	1919
Marian R. Daggett, A. B.....	English	Colby College	1921
Georgia W. Dears.....	Cooking and Sewing	Framingham Normal	1921
Lillian R. Edmands, A. M.....	Biology and Commercial Geography	Tufts College	1912
Daisy E. Ehler.....	Stenography and Typewriting....	Salem Normal	1920
Grace L. Eyriek.....	Bookkeeping and Commercial Arithmetic	Malden Commercial School.....	1920
M. Gertrude Fairbanks.....	Stenography and Typewriting....	Burdett Business College.....	1918
Abby R. Field, A. B.....	English	Tufts College	1920
Edward J. Finnegan, A. B.....	English	Boston College	1920
Mabel A. Gannett, School Librarian....	English	*Brown University, *Boston University	1914
Roy M. Grindy, A. B.....	History	Williams College	1921
Ralph L. Kendall, A. B.....	Head of Mathematics Department	Bates College	1908
Esther E. Ladd, A. B.....	Latin	Tufts College	1911
Juliette E. Lemay, A. B.....	Spanish and French.....	Boston University	1921

* Signifies attended without graduation.

ORGANIZATION OF SCHOOL STAFF—Continued

Name	School and Work	Where Educated	When Elected
HIGH SCHOOL—Continued			
Edward H. Leonard, A. B.....	Mathematics	Dartmouth College	1920
Ethel C. Lomasney, A. B.....	History	Boston University	1920
Helen F. Lyons, B. S.....	English	Columbia University	1921
James E. Mansfield, A. B.....	Mathematics and Coach of Athletics	Holy Cross College.....	1913
Marjorie Mather.....	Assistant in Cooking.....	Nasson Institute	1921
Gertrude A. Maycock.....	Stenography and Typewriting...	Salem Commercial College.....	1918
Charles C. Olson.....	Head of Commercial Department..	*Boston University, Salem Normal..	1921
Laura P. Patten.....	Head of Domestic Science and Chemistry Departments.....	Salem Normal, *Boston University	1897
Jennie M. Pedersen.....	Bookkeeping and Commercial Arithmetic	Salem Normal	1916
Dora S. Perkins, Mrs., A. B.....	English	Boston University	1916
Antoinette C. Pied, A. B.....	French	Laval University	1921
Lucile A. Pillsbury, A. B.....	French	Smith College	1921
Bella C. Porter, A. B.....	History, English and Music.....	Tufts College	1921
Christine D. Ross.....	French	*Steybeerisschen Inst., Leipsig, La Sorbonne, Paris.....	1915
Arthur G. Sampson, B. S.....	Civics and History.....	Tufts College	1921
Eleanor M. Sharp, Mrs.....	Bookkeeping and Commercial Arithmetic	*No. Adams Normal.....	1920
Grace N. Sherburne, A. B.....	English	Jackson College	1920
George R. Skillin, B. S.....	Mathematics and Physics.....	Colby College	1921
Hila H. Small, A. M.....	Head of English Department....	Boston University	1915
Marcia H. Smith, A. B.....	Spanish and Latin.....	Wellesley College	1909
Winnifred A. Thomas.....	Stenography and Typewriting....	Salem Normal	1920
Harry E. Walker, A. B.....	Head of History Department....	Bowdoin College	1921
Mary P. Webb, Mrs.....	Stenography and Typewriting....	Salem Commercial College.....	1919
Miriam R. Woolley.....	Millinery and Sewing.....	*Simmons College	1915

* Signifies attended without graduation.

ORGANIZATION OF SCHOOL STAFF—Continued

Name	School and Work	Where Educated	When Elected
BROOKS SCHOOL			
Bertrand Hooper, Principal.....	Junior High VII—VIII	*Boston University Burdett Business College.....	1918
Gertrude S. Light, Principal's Assistant.....	Arithmetic	Girls' High School, Boston.....	1884
Gladys V. Craft, A. B.....	Geography	Colby College	1920
Bertha E. Forster.....	English	Fitchburg Normal	1903
Harriett B. Garritt.....	French and Music.....	Frammingham Normal	1911
Anne E. Watkins.....	English and History.....	Plymouth Normal	1921
Fannie L. Willard.....	Mathematics and Science.....	Keene Normal.....	1921
Grades II—VI			
Annie S. Melrose.....	Six A	*Keene Normal	1919
May E. Fenton.....	Six B	Plymouth Normal	1921
Lotta H. Caldwell.....	Six B	*Hyannis Normal	1921
Gladys B. Blood.....	Five A	Frammingham Normal	1921
Naomi Atkins.....	Five B	Salem Normal	1921
Ethel M. Crook.....	Five B	Eastern State Normal	1916
Annie P. Danforth.....	Four A	Salem Normal	1903
Annie W. Hubbard.....	Four B	Bradford Academy	1897
Mabel E. Sweet.....	Four B	Enstern State Normal.....	1918
H. Lillian Robinson.....	Three A	*Lowell Normal	1919
Ervel Orchard.....	Three B	Lowell Normal	1920
Jeanette M. Falconer.....	Three B and Two A.....	Perry Kindergarten Normal	1918

* Signifies attended without graduation.

ORGANIZATION OF SCHOOL STAFF—Continued

Name	School and Work	Where Educated	When Elected
CENTRE SCHOOL			
Junior High			
VIII			
Bertrand Hooper, Principal.....	.....	*Boston University, Burdett Business College.....	1918
Elizabeth R. Carty, Principal's Assistant	Commercial Subjects	Girls' High School, Boston.....	1891
Edith P. Bartlett.....	Geography, History, and English..	*Boston University, *Hyannis Normal	1921
Frances M. Eastman, A. B.....	French, Latin, and English.....	Smith College	1902
M. Jennie Keenan.....	Mathematics, History, and Music.	Plymouth Normal	1921
Virginia M. O'Connor, B. S.....	Science and English.....	Boston University	1921
Josephine E. Welsh.....	History and Music.....	Salem Normal	1917
CRADOCK SCHOOL			
Adelaide S. Herriott, Principal.....	Two A and Two B.....	*Hyannis Normal	1878
Alice G. Phemister.....	Two B and One A.....	Perry Kindergarten Normal.....	1905
Miriam P. Clark.....	One B.....	Lowell Normal	1910
Florence K. Watkins, Mrs.....	Special Class.....	Gorham Normal	1921
CURTIS SCHOOL			
Emma J. Bresnahan	Three A	Salem Normal	1907
Amy W. Bradbury.....	Three B.....	Salem Normal	1909
Jennie S. Archibald, Principal.....	Two A	Medford High School	1890
Melissa J. Hargraves	Two B	Perry Kindergarten Normal.....	1917
Agnes G. Sweeney.....	One A	Salem Normal	1903
Elizabeth VanH. Frame.....	One B	*Castine Normal	1915
Mary P. Titcomb.....	Assistant in One B.....	Girls' Latin, Boston.....	1904

* Signifies attended without graduation.

ORGANIZATION OF SCHOOL STAFF—Continued

Name	School and Work	Where Educated	When Elected
LORIN L. DAME SCHOOL			
Galen W. Flanders, Principal.....	Junior High VII	Bridgewater Normal, *Harvard College	1910
Mary E. Frye, Principal's Assistant...	Mathematics and Physiology....	Farmington Normal	1912
Ila D. Berry.....	Geography and History.....	Bridgewater Normal	1918
Josie L. Blukely.....	English and Physiology.....	Salem Normal	1904
Vandelia A. Dexter.....	English, French, and Music.....	Salem Normal	1909
Grades III—VI			
Dorothy Brooks	Six A	Bridgewater Normal	1921
A. Gertrude Sharkey.....	Six A	Salem Normal	1914
Annie M. Henderson.....	Six B	Coburn Institute	1914
Gladys Jenkyn	Six B	Gorham Normal	1920
Rowena M. Graham.....	Five A	Framingham Normal	1921
Edna Davis	Five B	Plymouth Normal	1920
Alice Wilbur	Five B	Bridgewater Normal	1889
Kathryn Campbell	Four A	Bridgewater Normal	1920
Doris Hayes	Four B	Bridgewater Normal	1921
Helen Higgins	Four B	Bridgewater Normal	1921
Edith Bailey	Three A	Western State Normal	1921
Genevieve Kane	Three A and Three B.....	Gorham Normal	1910
Emma Davis	Three B	Medford High School	1886

* Signifies attended without graduation.

ORGANIZATION OF SCHOOL STAFF—Continued

Name	School and Work	Where Educated	When Elected
EVERETT SCHOOL			
Ida L. Hartshorn, Principal.....	Three B	Medford High School	1872
Alice C. Reed.....	Two A and Two B.....	*Hyannis Normal	1893
Ruth K. Burrage.....	Two B and One A.....	Bridgewater Normal	1898
Margaret L. Purcell.....	One B	Lowell Normal	1917
FRANKLIN SCHOOL			
Alice D. Bowen, Mrs., Principal.....	.....	Salem Normal	1915
Mary Waitt	Six A	Coffin School, Nantucket.....	1903
Ethel E. Asker.....	Six A	Fredericton Normal	1909
Laura C. Cunningham.....	Six B	Salem Normal	1919
Gertrude Dwyer	Six B	*Mt. St. Vincent College	1916
Anna M. Roberts	Five A	*Hyannis Normal	1901
Anna DeAvellar.....	Five A and Five B.....	Salem Normal	1915
Minerva M. Nickerson.....	Five B	Hyannis Normal	1920
Charlotte A. Post, Mrs.....	Four A	Worcester Normal	1919
Alice Dugmore	Four A and Four B.....	Fisher Kindergarten Normal	1920
Celia L. Small	Four B	Machias Normal	1920
Laura A. Hillman	Special Class	Fisher Kindergarten Normal.....	1917
FULTON HEIGHTS SCHOOL			
Ella H. Smith, Principal.....	Six A and Six B.....	Gorham Normal	1921
Katherine W. Mannion.....	Five A and Five B.....	Concord, N. H., Tr. School.....	1921
Mary Coffey	Four A and Four B.....	Salem Normal	1915
Catherine W. Pike.....	Three A and Three B.....	Farmington Normal	1921
Margaret Jackson	Two A and Two B.....	Concord, N. H., Tr. School.....	1921
Edith I. Knutson	Two B and One A.....	Castine Normal	1921
Julie A. Engel.....	One B	Concord, N. H., Tr. School.....	1921
Eunice I. Evans.....	One B	Salem Normal	1921

*Signifies attended without graduation.

ORGANIZATION OF SCHOOL STAFF—Continued

Name	School and Work	Where Educated	When Elected
GLEASON SCHOOL			
Catharina W. Billings, Principal.....	Two B	Quincy High School.....	1892
Alice L. Bryan.....	One A and One B.....	Symonds Kindergarten Normal....	1895
Bernice E. Perkins.....	Assistant	*Keene Normal, *Plymouth Normal..	1921
HANCOCK SCHOOL			
Winifred Reilly	Six B and Five A.....	Farmington Normal	1921
Ida B. Jacques, Principal.....	Four A and Four B.....	Aroostook Normal	1916
Elsie D. Buswell.....	Three A	Plymouth Normal	1920
Winifred M. Crockwell.....	Three B	Salem Normal	1908
Abbie C. Moxley.....	Two A	Castleton Normal.....	1917
Clara M. Crowe.....	Two B	Salem Normal	1918
Annie M. Jenness.....	One A and One B.....	Froebel Kindergarten Normal.....	1912
Catherine M. Bray.....	One B	Salem Normal	1920
HERVEY SCHOOL			
Ella L. Alden, Principal.....	Two A	Medford High School.....	1883
Alice R. Sprague.....	Two B	Wheelock Kindergarten Normal....	1902
Mildred R. Evans.....	One A and One B.....	Lesley Normal	1920
Kathleen V. O'Hara.....	One B	Boston Normal	1911
HILLSIDE SCHOOL			
Cora M. Gordon.....	Two A and Two B.....	*Bangor Training School.....	1907
Mabel T. Kalloch, Principal.....	Two B	Farmington Normal	1909
Ora I. Chick, Mrs.....	One A	*Indiana State Normal.....	1919
Mae M. Innis.....	One B	Salem Normal	1920

* Signifies attended without graduation.

ORGANIZATION OF SCHOOL STAFF—Continued

Name	School and Work	Where Educated	When Elected
JAMES SCHOOL			
Nellie M. Baker, Principal.....	Three A and Three B.....	*Farmington Normal.....	1897
Katherine M. Clark.....	Three B	*North Adams Normal.	1908
Ruth S. Wardwell, Mrs.....	Two A and Two B.....	Wheelock Kindergarten Normal....	1915
Marian Poole	Two B	Bridgewater Normal	1910
Ruth L. Knowles	One A and One B.....	Keene Normal	1921
Anna S. Tucker.....	One B	Symonds Kindergarten Normal.....	1898
OSGOOD SCHOOL			
Helen V. Flagg, Mrs., Principal.....	Six A and Six B.....	*Hyannis Normal	1920
Mary L. Baxter.....	Four A, Four B, and Three A....	Salem Normal	1918
Beulah A. Lane.....	Four, Four B, and Three A.....	Framingham Normal	1921
Bertha C. Brown.....	Three B and Two A.....	New Britain Normal.....	1896
Josephine L. Leighton.....	Two B and One A.....	Portland Training School.....	1915
Lillian A. Lowell, Mrs.....	One B	Chelsea High School	1920

*Signifies attended without graduation.

ORGANIZATION OF SCHOOL STAFF—Continued

Name	School and Work	Where Educated	When Elected
LINCOLN SCHOOL			
George W. Parsons, A. M., Principal..	Junior High VII—VIII-B	Bowdoin College	1890
Rhoda C. Slate, Principal's Assistant..	English	*Westfield Normal	1901
Adella L. Adams.....	History	Hitchcock Academy	1916
Annie E. Barbeau.....	English and Music.....	*Denver City Normal.....	1901
Lenora Coombs	Mathematics	Castine Normal	1919
Marie V. Davis, A. B.....	French	Jackson College	1920
Earl E. Lorden, B. S.....	Science and Commercial Work...	N. H. State College.....	1921
Maria F. May.....	Geography	Hyannis Normal.....	1919
Grades III—VI			
E. Alice Payn-Sills.....	Six A	Provincial Normal	1892
Anna D. Rose.....	Six A	Salem Normal	1915
Mary E. Gorman.....	Six B	Salem Normal	1907
Alice H. Moore, Mrs.....	Six B	Bridgewater Normal	1904
Hazel A. Steele.....	Five A	Highgate Normal	1920
Mary P. Donovan.....	Five A	Lowell Normal	1921
Edith G. Wheaton.....	Five B	Salem Normal	1915
Lena vonA. Snowman, Mrs.....	Four A	Hyannis Normal	1921
Doris G. Veinotte.....	Five B	Provincial Normal	1920
Amey C. Dyar.....	Four B	Wheelock Kindergarten Normal....	1919
Helen Snyder.....	Four B	*Framingham Normal, *Hyannis Normal	1921
Helen J. Gray.....	Three A	Wheelock Kindergarten Normal....	1918
Emma B. Ketchen.....	Three A	Lowell Normal	1919
Grace Titcomb.....	Three B	Salem Normal	1911

* Signifies attended without graduation.

ORGANIZATION OF SCHOOL STAFF—Continued

Name	School and Work	Where Educated	When Elected
SWAN JUNIOR HIGH SCHOOL			
VII—IX			
George F. Weston, Jr., A. M., Principal	.....	Brown University	1917
Medora E. Adams, A. B., Mrs.....	English and Physiology.....	Minnesota University	1919
Alice D. Ayres.....	History and English	Norwich Academy	1908
Retta R. Barrett.....	Commercial Subjects	Westfield Normal	1905
Allen E. Brickett, A. B.....	Science	Amherst College	1921
Bertha R. Davis.....	English and Arithmetic.....	Fitchburg Normal	1910
Lucille M. Dunton.....	English and Latin.....	Somerville High School.....	1906
Minnie E. Gray.....	Mathematics	Castine Normal	1921
Blanche E. Kaler, Mrs.....	English	Castine Normal	1920
Florence R. Kelly, A. M	History	Syracuse University	1921
Evva M. Knox, B. S.....	Cooking	Simmons College	1921
Cecilia A. McCarthy.....	Head of Commercial Department..	Salem Normal	1910
Nellie B. Mansfield, A. B.....	French	Tufts College	1918
Gladys M. Morse, A. B.....	Spanish and English.....	Mt. Holyoke College.....	1920
Ruth E. Norris, A. B.....	English	Brown University	1919
Edna T. Pickard, A. B., Mrs.....	Mathematics and Geography.....	Bates College	1919
Marion Pierce.....	Drawing	Concord, Mass., Training School...	1910
Mary A. Rowan, A. B.....	English	Boston University	1919
Alma A. Thomas.....	Commercial Subjects	*Tufts College	1910
K. Ruth Thayer.....	English	Fitchburg Normal	1921
Gertrude B. Thyng.....	Geography	Farmington Normal	1912
Florence A. Warren.....	Music and English	Gorham Normal	1921

* Signifies attended without graduation.

ORGANIZATION OF SCHOOL STAFF—Continued

Name	School and Work	Where Educated	When Elected
TUFTS SCHOOL			
Jessie M. Dinsmore, Principal.....	.....	*Hyannis Normal	1885
Mary I. Phemister.....	Three B	Chelsea High School.....	1897
Helen L. Whalen.....	Two A	Salem Normal	1917
Mary A. Gilligan.....	Two B	High School, Eastport, Me.....	1916
Ada V. Dolan.....	Two B	Salem Normal	1915
Jane M. Barnard.....	One A	Symonds Kindergarten Normal....	1896
Helen A. Griswold.....	One A and One B.....	Lesley Normal	1910
Marion P. Goodwin.....	One B	Symonds Kindergarten Normal....	1910
Bertha H. Wenzel, Mrs.....	One B	Bridgewater Normal	1921
WASHINGTON SCHOOL			
Alice D. Bowen, Mrs., Principal.....	.....	Salem Normal	1915
Annie E. Durgin.....	Six A	*Salem Normal	1877
Gertrude P. Daly, Mrs.....	Six B	Salem Normal	1901
Madeline E. Connor.....	Five A	Salem Normal	1914
Patience F. Browne.....	Five B	Salem Normal	1920
Helen G. Manley.....	Four A and Four B.....	Salem Normal	1916
Anna C. Ingraham, Mrs.....	Four B and Three A.....	Auburn Training School.....	1918

*Signifies attended without graduation.

JANITORS

Charles H. Abbott, 189 Salem Street.....Fulton Heights
 John Boleyn, 29 Golden Avenue.....Tufts
 Lawrence J. Carew, 41 Martin Street.....Brooks, Gleason
 Arthur D. Chickering, 227 Salem Street.....Engineer, High
 Dennis J. Connors, 42 Summer Street.....Centre, Cradock
 Charles B. Fales, 39 Walnut Street.....Osgood, James
 George E. Giles, 12 Pearl Street.....Lorin L. Dame
 Elvin Johnson, 5 Allen Court.....Washington, Everett
 Matthew L. Kelley, 36 Taintor Street.....Swan Junior High
 George S. Lambert, 300 Salem Street.....Franklin
 John F. McMahon, 9 North Street.....Hancock
 Robert E. Norton, 30 Paris Street.....Curtis
 Wilford N. Parkin, 31 Mystic Street.....Hillside, Hervey
 Frank P. Pierce, 200 Salem Street.....High
 Daniel H. Prescott, 16 Summer Street.....High
 Albert Taintor, 45 Albion Street.....Lincoln

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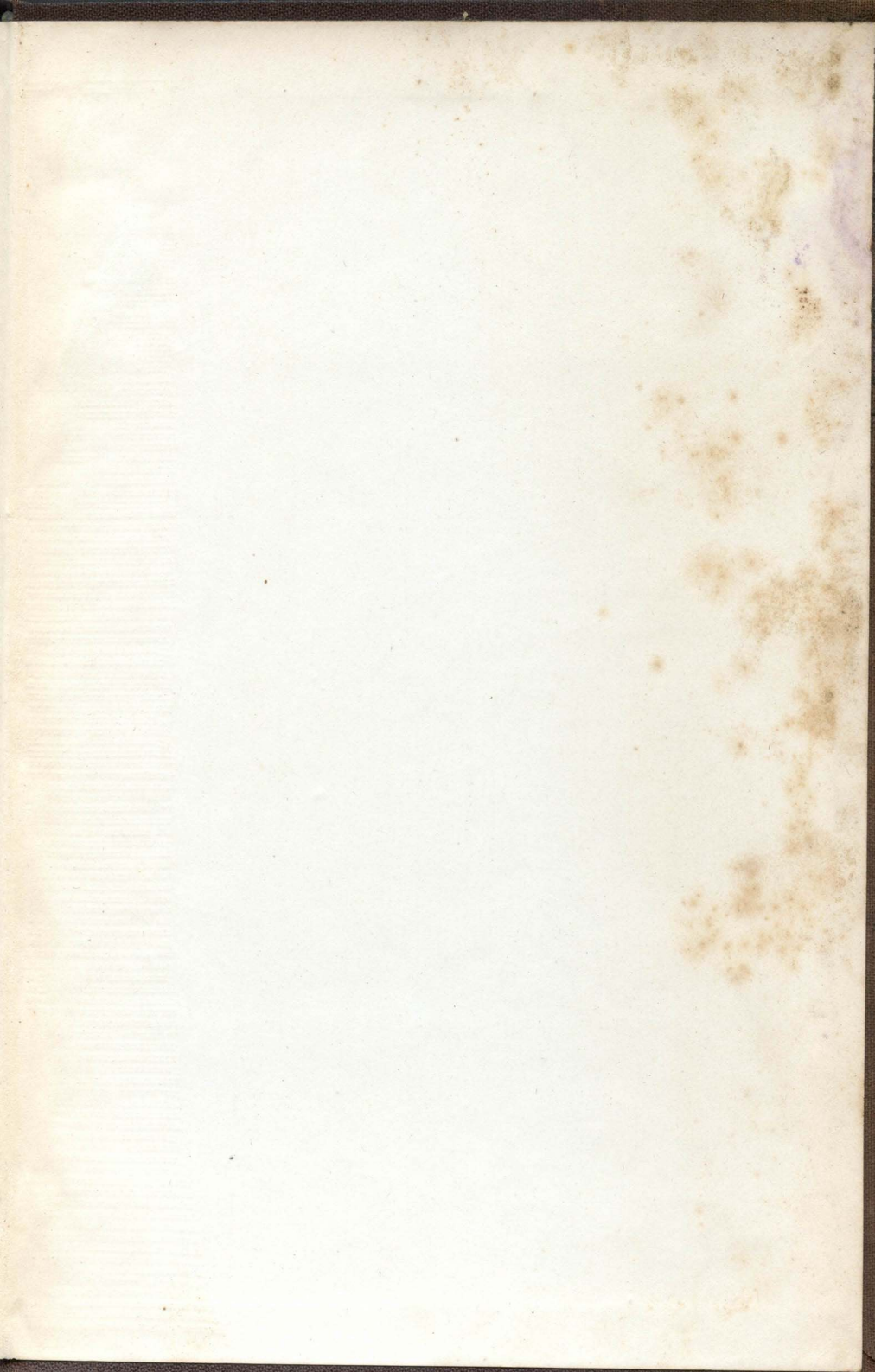
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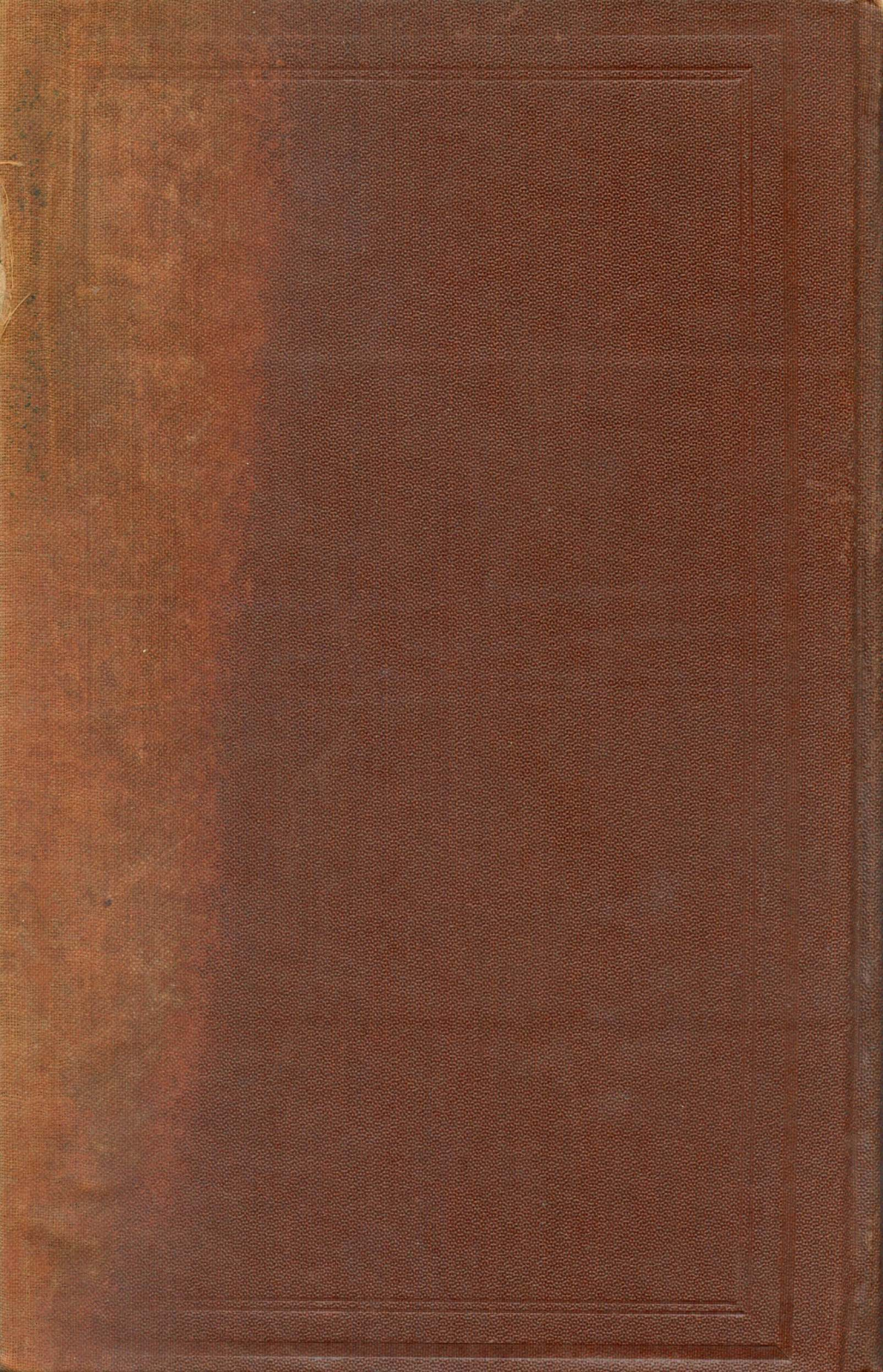
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