



## MEDFORD HISTORICAL SOCIETY AND MUSEUM

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# CITY OF MEDFORD

## THE MAYOR'S ADDRESS

TO THE

BOARD OF ALDERMEN,

JANUARY 3, 1921.

THE CITY GOVERNMENT,

THE FINANCIAL STATEMENTS,

AND THE

## ANNUAL REPORTS

FOR THE YEAR

# 1920

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Board of Aldermen, January 3, 1921

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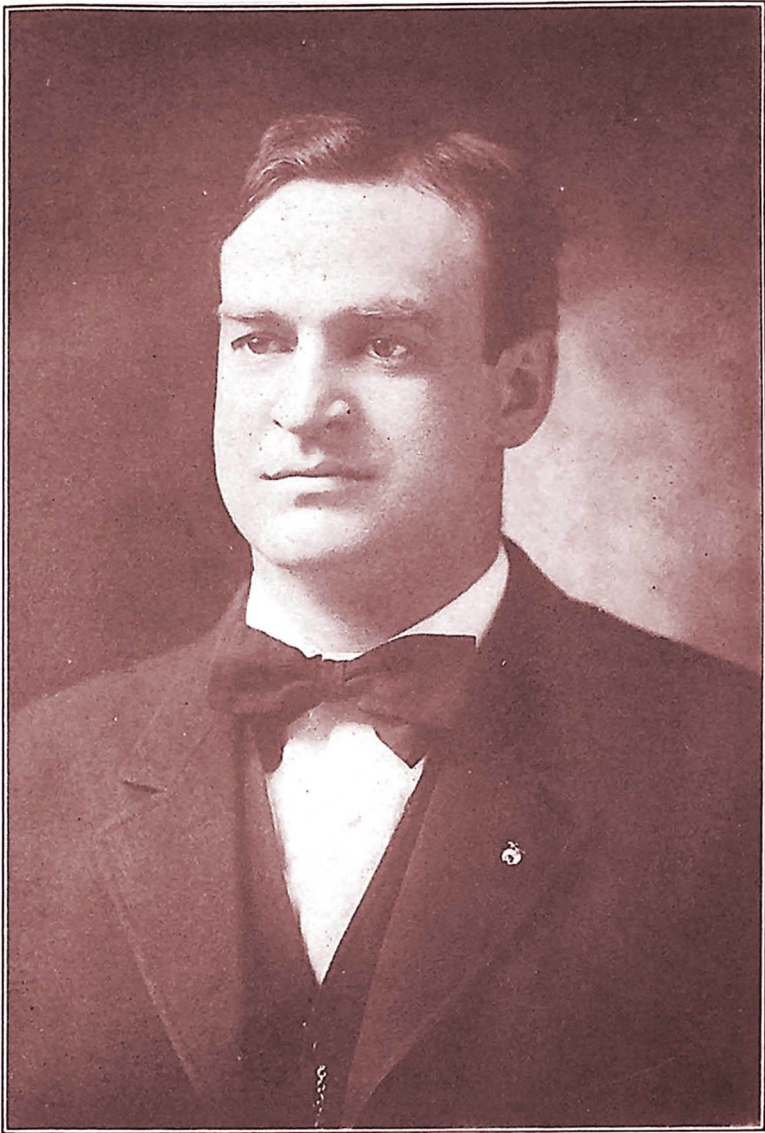
1920

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Published by the City Auditor, as Directed by the Mayor

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MEDFORD, MASS.  
MEDFORD MERCURY PRESS  
1921



FOURTH INAUGURAL ADDRESS  
OF  
HON. BENJAMIN F. HAINES  
MAYOR OF MEDFORD

DELIVERED

January Third, Nineteen Hundred Twenty-one

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For the great and unprecedented honor of being elected Chief Executive of the City of Medford for the fourth time, I am sincerely proud and deeply grateful.

This magnificent endorsement demonstrates that the projects I have advocated and the policies I have furthered have met with the approval of the citizens of Medford.

Inspired by this proof of confidence I intend more energetically than ever before to press on with those pledges which I have kept ever before me through these long years of trials and hardships.

We, the Mayor and the Board of Aldermen, have been chosen by the voters of Medford to direct the affairs of the Community in which we live. It is customary to comment on the actions and accomplishments of the various departments serving the City, but I have always felt that this custom had few benefits and many drawbacks. The service in



the main has been good and in most instances excellent, but the heads of the departments responsible for service to the City, in some instances, have fallen short of the high standard which must be maintained in public service.

In administrations long in power, such as mine has been, men grow careless and hesitate to remove or even criticize those men who have always been considered a part of the Administration. But no man can rightfully consider himself a faithful servant of the public who is arrogant, discourteous, inefficient or uncivil. Such men must expect to be removed or to be replaced.

We must have in mind the greatly increased needs of our City, which has grown from less than 20,000 to more than 40,000 in the last ten years; which has increased from less than 20 millions to more than 40 millions in the same period. The doubling of the population should mean the doubling of the school capacity and the increase in the number of the school teachers, of the police and fire service, of the health, water and sewer and other services.

We must ever keep alive to the fact that there is as keen competition among the cities to obtain desirable citizens and tax payers as there is among other lines in the business world. We must be up-to-date, ever moving forward and meeting every emergency as it arises, for the betterment and improvement of the community which has been placed in our charge and keeping.

We are not perfect or should we be judged as being beyond making mistakes. Fortunately the world has not waited for its work to be done by perfect people. The great reforms and advances in the world have been brought about, not by those who were complacently satisfied with them-

selves, nor by those who lived in the gloom of hopeless despair, but by those who caught the vision of what the years held in store and followed the light that was given them.

That the world is awake today, is passing steadily out of the clouds of ignorance and misunderstanding into a clearer atmosphere where people of all parties, creeds, races and conditions, of both high and low degree, will sympathize with, understand and appreciate each other in a way unparalleled in history, is not a fancy but a fact. In such an hour has the world caught a new vision of the possibilities of civilization and the realization of its present crudeness, and we too, fired by the same inspiration, look forward to a better, sweeter, happier City, which will stand high in our ideals. New goals have been set, new strides have been struck. We never can return to old conditions. There never was a time when new achievements were so actively brewing as today. We are ready to go ahead. Financially we are safe and sound and in a better condition than ever before in our Municipal life.

We must have more and better streets and we must have better school facilities and we must work shoulder to shoulder and show this grand old Commonwealth that we have a good, clean, progressive community in which our people can be justly proud, happy and contented.

We are at the commencement of our growth. Once more the pages of history are ours to write upon and when the story shall have been written it must be such that we will have absolute satisfaction in future years when we look back at the work of our minds and our hands which was essential to the shaping of the destiny and the future of this wonderful City.

We have achieved much ; there is still more and more to be accomplished. We have passed new ordinances and revised and codified every law necessary for municipal government, a great task not attended to for ten years.

We have paved in solid, lasting, enduring granite a third of our main thoroughfare, something which should have been started many years ago. We have improved and enlarged our street lighting system. We have motorized thoroughly every department in the city for quick, efficient and lasting service. We have added new school houses and new playgrounds, and new fire house additions for the safety of our City.

We have fed and clothed the poor and needy and given the right of fellowship to those within our gates.

We have built almost without your knowledge some of the best constructed, cleanest manufacturing plants in the world to aid us in our growth and our valuation. I speak of the American Radio and Research Company ; the Medford Woolen Company ; Warner & Childs, and the American Woolen Company, employing hundreds of good, clean Americans, most desirable in any community.

We have built more streets, more sidewalks, more water and sewer service in my years as Mayor than in all other years since Medford was a city.

Our school expenses will cost more this year than the entire expense of running the whole city ten years ago ; and it must cost more and more as the years go by. All this of itself if prices and wages remained the same would double the tax rate, but prices and wages have not remained the same—they have doubled and quadrupled and in spite of all the increases our tax rate has not doubled, for the

great growth of our City, due to these added improvements and made necessary by them has brought to us millions and tens of millions of dollars of wealth and we are reaping the benefit of what seemed desperate finance, but what was really carefully planned development on a scientific basis. If it is not understood in politics the system is well known in progressive business and has never failed in up-building a business or booming a city.

Results are not obtained by hazard but by carefully thought out plans born of experience and tireless energetic work. We have been laying the foundation for six years. I have never doubted the result. I have never faltered in the fight. I have two more years allotted by the people of Medford to complete the task. I shall conserve and exert every energy to do the work within that time. No one should delay or hinder—no one should hesitate in the endeavor.

Many emergencies may arise, more than one can foresee, but to me the future in Medford is intensely centered on but a few objects, after which I hope I may be allowed to pursue my own paths to what to me seems more worth while.

Winthrop St., from Winthrop Sq. to Winchester, must be widened to meet the width of Winchester's thoroughfare—now, before it is built on and the cost is too great. Main and Salem Sts. should have been widened years ago. It is a vast measure at the present time.

There must be a Junior High School in South Medford and one in West Medford. It is a crying shame for the boys and girls to have to walk a mile to school in these enlightened days to obtain an education. Cradock Bridge, the same

width in this, our modern era. Winthrop St. Bridge, unsafe for travel to heavy loads, must be re-constructed by the State which owns each bank on which it rests and the water underneath it and the sky above it.

The citizens refused to support the Red Cross nurses in our schools where they were doing wonderful work, and the City must take up the burden. Governors Ave. should be extended and the property improved at the expense of those who are keeping the valuation low by refusing to improve the location.

I believe in the public schools, the salvation of the Nation. I believe in the public school teachers and a good, fair wage for their noble work. I believe expenditures are worth while in improvements that are beneficial and lasting.

We must tear down the old fire house on Spring St. and have a new one in Wellington. We have increased our Park system and constructed playgrounds and still more must be forthcoming. It is economy and efficiency.

And last and best of all we must, and will, have the long promised and much needed City Hall.

Oh, believe in the future of this wonderful little City. Give it the chance which has long been delayed and I promise you that it will flourish as the green bay tree and will bring pride and satisfaction to you in the years to come that you had a part in something that was real, that was worth while.

Poor old James Morrison, our Representative, our own dear Jim Morrison, believed in these ideals and in the future of Medford and did much to make it all possible. He has passed into the Great Beyond, a loyal and a faithful friend,

beloved by all. That sweet character, Auburn Day, our City Auditor, who was taken from our midst in the hour when we so sorely needed him, held to these ideals and passed away before their accomplishment. Such men have built monuments not of bronze or marble, but of living love in the hearts of men and their names will ever be held dear where Medford's history is written.

“Ah, Moon of my Delight who knowst no wane,  
The Moon of Heav'n is rising once again;  
How oft hereafter rising shall She look  
Through this same Garden after me—in vain.

And when Thyself with shining foot shall pass  
Among the Guests star-scattered on the Grass,  
And in the joyous Errand reach the Spot  
Where I made one—turn down an empty Glass.”

Medford, a hope, 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.

Our Medford !

## FINANCIAL STATEMENT

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The following is the financial statement of the City of Medford, January 1, 1921:

The notes outstanding were issued for the following purposes:—

Nos. 35 and 36. Water Construction .....	\$15,000.00	
No. 37. Land on George Street.	7,000.00	
Nos. 51 to 62. Land adjoining High School Lot .....	12,000.00	
Nos. 7 to 10. Original Construction of Streets .....	2,400.00	
Nos. 7 to 10. High School Equipment .....	800.00	
Nos. 7 to 10. Wellington Road..	2,000.00	
Nos. 29 to 35. Sidewalks.....	7,000.00	
Nos. 122-123. Fire and Police Signal Boxes, Garage, Heating Plant .....	1,000.00	
No. 109. Magoun Ave. and Pembroke St. Drains .....	1,200.00	
Nos. 124-125. Sidewalks and Edgestones .....	6,000.00	
Nos. 126 to 129. Ladder Motor Truck, Chassis, Fourth Street Sidewalk .....	13,800.00	
No. 135. Land adjoining High School Lot, Schoolhouse and Land, Shop for Highway Dept., Boiler .....	10,000.00	
	\$78,200.00	

The bonded debt of the city consists of:

Water Fund .....	\$73,000.00
Water Mains Extension .....	8,000.00
Sewerage .....	257,000.00
Harbor Loan .....	10,000.00
City Hall, Act of 1913.....	160,000.00
Park Loan .....	32,000.00
Metropolitan Park Assessment Loan .....	27,000.00
Playground 1903, 1912, 1914....	45,000.00
School Loan, 1912.....	139,000.00
Junior High School, 1916, 18, 19.	195,700.00
School Loan 1919.....	47,000.00
Street Loan 1919.....	92,000.00
Original Equipment, Junior High School .....	13,000.00
School Loan 1911.....	42,000.00
School (Portable) 1919.....	8,000.00
High School Addition .....	25,000.00
High School Original Equipment	10,000.00
Hancock School 1915-1916.....	36,750.00
Osgood School 1916-1917.....	23,500.00
Lincoln Schoolhouse .....	45,000.00
Schoolhouse Improvement .....	14,000.00
Schoolhouse Loan 1908.....	95,000.00
School Loan (Portable) 1919....	5,000.00
Fulton Heights School 1920....	50,000.00
School Loan (Portable) 1920....	14,000.00
Public Park 1920.....	20,000.00
City Stable Loan.....	15,000.00
Surface Drainage Loan.....	17,500.00
Surface Drains 1918-1919.....	7,500.00
Drainage 1912-1916 .....	8,500.00
Sewer (Drainage Purposes) 1918	8,000.00
Streets and Drains 1917.....	9,000.00
Sewer Loan 1920.....	17,000.00
Surface Drains 1919-1920.....	7,500.00



Sidewalks 1916-1917-1918-1919...	\$78,000.00
Sidewalks and Edgestones.....	4,500.00
Fire Station Loan .....	7,200.00
Fire Loan 1917-1918.....	34,500.00
Municipal Loan .....	15,000.00
Departmental Equipment 1916- 1917-1920 .....	43,400.00
Playground Equipment .....	500.00
Police Dept. Equipment.....	350.00
War Loan 1917.....	3,000.00
War Emergency 1918.....	6,500.00
War Memorial 1919.....	4,000.00
Capen Street and College Ave. Drains .....	6,500.00
Original Construction of Streets 1914 .....	6,800.00
Original Street Construction 1917-1918-1919 .....	68,000.00
Street Construction 1916.....	5,600.00
Street Loan 1916.....	17,400.00
Original Construction of Streets 1920 .....	13,000.00
Original Street Construction 1920 .....	13,000.00
Street Loan 1920 .....	4,000.00
Permanent Pavement 1918-1920	4,000.00
	<hr/>
	\$1,911,700.00
Total Debt for which Bonds or Notes have been issued .....	\$1,989,900.00

The advance report of the Commissioners state the condition of the Sinking Funds as of December 31, 1920, as follows:

Water .....	\$93,276.47
Sewerage .....	149,226.02
Public Playgrounds .....	9,000.00

Park .....	\$32,000.00	
Metropolitan Park Assessment ..	16,243.49	
Lincoln Schoolhouse .....	42,555.92	
Schoolhouse of 1908 .....	8,690.42	
Schoolhouse Improvement .....	55,889.63	
City Stable .....	12,179.66	
City Notes .....	43,736.20	
	<hr/>	\$462,797.81
		<hr/>
Leaving our net debt Jan. 1, 1921.....		\$1,527,102.19
The net debt Jan. 1, 1920, was.....		1,438,775.48
		<hr/>
An increase since Jan. 1, 1920, of.....		\$88,326.71
Bonds issued in 1920 .....	\$269,500.00	
Bonds and notes paid in 1920....	214,000.00	
	<hr/>	
	\$55,500.00	
The Sinking Funds decreased....	32,826.71	
	<hr/>	\$88,326.71
Bonds authorized but not yet issued:		
Sewers .....		\$10,000.00
		<hr/>
The gross debt will have increased		\$98,326.71
The report of the Commissioners of the Sinking Funds also gives the total of Trust Funds as .....		16,158.68
And the Perpetual Care Fund as.....		58,096.74



# Report of the City Auditor

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Medford, Jan. 1, 1921

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,

GEORGE D. CUMMINGS,

Acting City Auditor.

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The cash in the treasury Jan. 1, 1920, was .....	\$219,229.94
The receipts from Jan. 1 to Dec. 31 were .....	2,659,257.59
	<hr/>
	\$2,878,487.53

Sixty-four drafts have been drawn on the treasury amounting to .....	2,697,612.54
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Cash in treasury as shown by books of this office on Jan. 1, 1921 .....	\$180,874.99
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The statement of the receipts and expenditures of the city for the past year is as follows:—

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**ANALYSIS OF RECEIPTS**

**Revenue**

**GENERAL REVENUE**

**Taxes**

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**Current Year:**

Poll .....	\$45,326.00	
Personal .....	64,788.18	
Real Estate .....	750,736.06	
Dec. Tax .....	50.66	
		\$860,900.90

**Previous Year:**

Poll .....	\$3,128.00	
Personal .....	15,471.30	
Real Estate .....	336,708.22	
Dec. Taxes .....	62.29	
		\$355,369.81

Tax Titles .....		942.84
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**From State:**

Corporation Tax.....	\$19,376.82	
National Bank Tax .....	4,707.77	
Income Tax .....	119,607.04	
Soldier Exemptions .....	29.92	
Street Railway Tax .....		
Act 1919, Chap. 490, pt. 3, Sec. 64		
Act 1919, Chap. 349, pt. 349, Sec. 21		
	4,519.58	
		\$148,241.13

**Licenses and Permits**

**Licenses:**

Amusements .....	\$462.04	
Junk .....	350.50	
Milk .....	132.50	
Pool, Billiard and Bowling Alley .....	225.00	
Sunday and Lord's Day....	285.00	
Hawkers and Pedlers.....	468.00	
Alcohol .....	4.00	
Auctioneers .....	14.00	
Barrels .....	15.00	
Carriages and Truck .....	82.00	
Collectors of Grease .....	18.00	
Public Garage .....	159.00	
Garage Renewals .....	35.00	
Inn Holder .....	3.00	
Intelligence Office .....	4.00	
Lunch Wagon .....	30.00	
Manicuring .....	1.00	
Used Car Dealers .....	346.00	
Second Hand Furniture Dealers .....	75.00	
Common Victuallers .....	48.00	
	<hr/>	\$2,757.04

**Permits:**

Marriage .....	\$508.00	
Signs, Awnings, etc.....	59.00	
Opening Streets .....	268.50	
Pole Location .....	30.00	
Hand Bills .....	123.00	
Tea Room .....	5.00	
Storage of Gasoline and Oil.	41.00	
Fireworks .....	18.00	
Transportation of Explosives	2.00	
	<hr/>	\$1,054.50

**Fines and Forfeits**

Court Fines .....		\$1,315.60
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**Grants and Gifts**

From State—Vocational Schools.	\$712.03	
From County—Dog Licenses....	2,107.00	
	<hr/>	\$2,819.03

**All Other General Revenue**

Rent of Land—Players Film Co..	\$1,500.00	
Sale of Land taken on Tax Title..	185.97	
	<hr/>	\$1,685.97

**COMMERCIAL REVENUE****Special Assessments and Privileges****Special Assessments:**

Sidewalk Applications.....	\$3,538.94	
Unapportioned Sidewalks ..	12,274.47	
Apportioned Sidewalks.....	4,093.65	
Apportioned Sidewalks, Paid in Advance .....	669.06	
	<hr/>	\$20,576.12
Street Watering .....		6,079.54
Unapportioned Betterments.	7,851.55	
Apportioned Betterments...	2,517.36	
Apportioned Betterments, Paid in Advance .....	273.14	
	<hr/>	\$10,642.05
Unapportioned Sewer .....	\$1,956.35	
Apportioned Sewer .....	1,209.59	
Apportioned Sewer, Paid in Advance .....	127.97	
	<hr/>	\$3,293.91

## DEPARTMENTAL REVENUE

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### General Government

#### City Collector:

Advertising, Costs, etc.....	\$2,991.90	
Fees .....	664.00	
Tax Titles—Costs and Re- demption .....	204.75	
		3,860.65
City Clerk .....		675.20
Engineer .....		4,109.27
Purchasing Department .....		15.73
Board of Survey .....		45.00
Mayor's Miscellaneous .....		9.24

### Protection of Persons and Property

#### Fire:

Hay and Grain .....	\$47.25	
Refund of Overcharge .....	8.20	
		\$55.45
Armory .....		900.00
Electrical Dept. Expenses .....		82.00
Fire and Police Signal Service...		1.60
Inspection:		
Building .....	340.50	
Sealer of Weights and Measures .....	229.87	
Electrical .....	234.00	
Gas .....	50.00	
		\$854.37

### Forestry

#### Care of Trees:

Labor and Materials .....	\$29.10
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**Health and Sanitation****Health:**

Contagious Diseases .....	\$144.71	
Tuberculosis .....	89.29	
	<hr/>	\$234.00

**Sanitation:**

Sewer Maintenance		
Labor and Materials .....		\$1.80

**House Connections:**

Unapportioned .....	\$5,012.64	
Added to Taxes .....	965.58	
Apportioned .....	1,364.70	
Paid in Advance .....	361.99	
	<hr/>	\$7,704.91

**Sewer Construction:**

Labor and Materials .....	\$2,100.24	
All Other .....	102.00	
	<hr/>	\$2,202.24

**Refuse and Garbage Disposal**

Ashes and Refuse .....	\$444.94	
Garbage .....	4,762.50	
	<hr/>	\$5,207.44

**Other Health and Sanitation:**

Surface Drains Construction		\$1,043.90
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**Highways****General:**

Labor and Materials .....	\$218.00	
All Other .....	178.45	
	<hr/>	\$396.45

**Construction**

Making Driveways .....		\$78.00
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RECEIPTS

21

Sidewalks and Curbing:

Lowering Curb .....		\$380.00
Gravel Sidewalks .....		\$88.00
Watering Streets .....		6.00
Ship Avenue .....		75.00

Charities

City Home:

Sale of Produce and Live Stock .....	\$437.20	
Board .....	802.00	
All Other .....	64.49	
	<hr/>	\$1,303.69

Outside Relief Reimbursements:

Individuals .....	\$83.58	
Cities and Towns .....	1,770.21	
State .....	160.00	
	<hr/>	\$2,013.79

Mothers' Aid Reimbursements:

Individuals .....	\$8.00	
Cities and Towns .....	241.33	
State .....	4,473.71	
	<hr/>	\$4,723.04

Soldiers' Benefits

Reimbursements:

State Aid .....	\$12,469.01	
Military Aid .....	533.26	
Soldiers' Burials .....	260.00	
Soldiers' Relief .....	24.00	
	<hr/>	\$13,286.27

## REPORT OF CITY AUDITOR

**Schools**

Tuition of State Wards .....	\$1,622.25	
Other Tuition .....	47.25	
Salaries of Teachers, etc.....	200.00	
Stewardship .....	25.00	
Evening School Deposits .....	66.68	
Miscellaneous .....	233.32	
	<hr/>	\$2,194.50

**Fulton Heights Schoolhouse**

Gravel .....	\$26.00
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**Libraries**

Fines .....	\$589.55	
All Other .....	228.97	
	<hr/>	\$818.52

**Unclassified**

Due City on Sale of Cemetery Lots.....	\$724.40
Band Concerts .....	32.00
Insurance .....	817.56
Bonds of City Officials (on acct. of error)....	2.00
Premium on Notes .....	3.25
Land Court Expenses .....	11.50

**PUBLIC SERVICE ENTERPRISE****Water**

Receipts from Sale of Water....	\$97,537.39	
Construction:		
Water Connections .....	7,254.17	
	<hr/>	\$104,791.56

**Cemeteries**

Sales of Lots and Graves:

Lots .....	\$7,328.60	
Graves .....	3,173.00	
Care of Lots and Graves .....	1,757.53	
Interments .....	2,572.00	
Foundations .....	111.00	
All Other .....	1,925.48	
	<hr/>	\$16,867.61

**Municipal Indebtedness**

Temporary Loans:

Anticipation of Revenue....		\$700,000.00
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General Loans:

Premium on Bonds and Notes	\$2,180.67	
Sale of Bonds .....	269,500.00	
	<hr/>	\$271,680.67

From Sinking Fund Commission-  
ers .....

56,100.00

**Interest**

On Deposit .....	\$3,185.81
Taxes .....	17,982.84
Special Assessments:	
Sewer .....	321.62
Sidewalk .....	921.07
Betterment .....	833.02
House Connections .....	324.83
Tax Titles .....	343.98
Water Interest from Commission- ers of Sinking Fund .....	6,166.35

On Bonds .....	\$2,203.19	
Liberty Bond .....	87.50	
Trust Funds .....	1,158.89	
	<hr/>	\$33,529.10

### Trust and Investments

Cemetery, Perpetual Care .....	\$6,265.00
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### Refunds, Etc.

Development of the Port of Boston.....	\$333.34	
	<hr/>	
Total Receipts .....	\$2,659,257.59	
Cash Balance Jan. 1, 1920.....	219,229.94	
	<hr/>	\$2,878,487.53

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## ANALYSIS OF PAYMENTS

### Revenue

#### GENERAL GOVERNMENT

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#### Aldermen's Contingent

#### Expenses:

Stationery and Postage.....	\$12.25	
Printing and Advertising ...	52.00	
Telephone .....	40.00	
Refreshments .....	275.20	
All Other .....	286.21	
	<hr/>	\$665.66

**Clerk of Committees**

**Departmental Equipment:**

Filing Case .....	\$88.33	
Bag (part cost) .....	11.67	
	<hr/>	\$100.00

**Mayor's Miscellaneous Account**

**Expenses:**

Clerk and Stenographer ....	\$1,355.18	
Other Clerical .....	217.00	
Stationery and Postage ....	581.44	
Printing and Advertising...	97.00	
Telephone .....	226.65	
All Other .....	291.93	
	<hr/>	\$2,769.20

**Auditing Department**

**Salaries and Wages:**

Auditor .....	\$2,500.00
Clerks .....	1,373.71
Pension .....	793.04

**Expenses:**

Stationery and Postage ....	32.94	
Printing .....	284.75	
Telephone .....	32.79	
All Other .....	24.85	
	<hr/>	\$5,042.08

**Equipment:**

Adding Machine .....	\$416.50
Steel Filing Cabinet .....	59.36

## REPORT OF CITY AUDITOR

Typewriter .....	\$101.25	
Desk and Chair .....	79.00	
Expressing .....	1.75	
Folders, Guides.....	6.50	
	<hr/>	\$664.36

## Treasury Department

## Salary :

Treasurer .....	\$2,500.00
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## Expenses :

Books, Stationery, Postage.	213.30	
Printing and Advertising ..	59.75	
Carfares .....	7.20	
Telephone .....	28.40	
	<hr/>	\$2,808.65

## Collecting Department

## Salaries :

Collector .....	\$2,500.00
Clerks .....	4,981.29

## Expenses :

Books, Stationery, Postage..	1,120.24	
Printing and Advertising..	1,334.60	
Carfares, etc. ....	37.55	
Telephone .....	66.73	
Land Court Expenses .....	240.00	
All Other .....	148.24	
	<hr/>	\$10,428.65

RECEIPTS

Assessors

Salaries:

Assessors .....	\$3,700.00
Assistants .....	959.00
Clerks .....	4,709.00

Expenses:

Books, Stationery, Postage..	457.84	
Printing and Advertising ..	381.05	
Carfares, Teams, etc.....	200.43	
Telephone .....	42.47	
Poll Books .....	1,096.95	
All Other .....	152.85	
	<hr/>	\$11,699.59
Assessors' Plans .....		\$382.10
Assessors' Departmental Equipment.....		385.00

Law Department

Salary:

City Solicitor .....	\$1,800.00
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Expenses:

Stationery and Postage ....	40.53	
	<hr/>	\$1,840.53

City Clerk's Department

Salaries:

City Clerk .....	\$2,500.00
Assistant City Clerk .....	1,250.00
Clerks .....	1,320.07



**Expenses:**

Stationery and Postage ....	\$281.90	
Printing and Advertising ..	539.07	
Carfares .....	12.75	
Telephone .....	107.26	
All Other .....	768.91	
	<hr/>	\$6,779.96

**Engineering Department****Salaries:**

Engineer .....	\$2,500.00
Assistants .....	5,246.46
Clerk .....	416.16

**Expenses:**

Stationery and Postage ....	58.46	
Printing and Advertising...	34.25	
Blue Prints, Supplies, etc...	253.47	
Carfares, Teams, etc.....	148.90	
Telephone .....	30.24	
All Other .....	21.27	
	<hr/>	\$8,709.21

**Election Expenses**

Election Officers .....	\$4,509.00	
Clerical Work, Posting, etc....	1,631.20	
Janitors .....	107.50	
Stationery, Printing, Advertising	2,928.83	
Rent .....	75.00	
Teaming and setting up Voting Booths .....	948.11	
All Other .....	414.48	
Election Equipment .....	2,185.00	
	<hr/>	\$12,799.12

**Purchasing Department**

**Salaries:**

Purchasing Agent .....	\$2,500.00
Clerks .....	1,170.71

**Expenses:**

Stationery and Postage ....	102.30	
Printing and Advertising ..	125.00	
Telephone .....	148.69	
Auto Expenses .....	418.50	
All Other .....	38.80	
	<hr/>	\$4,504.00

**Board of Survey**

Advertising .....	\$27.50	
Engineering Labor .....	53.78	
Refund on Deposits .....	59.90	
Other .....	33.75	
	<hr/>	\$174.93

**City Hall and Messenger's Expense**

**Salaries:**

City Messenger .....	\$1,900.00
Janitor .....	1,631.00
Night Watchman .....	1,660.75
Other Salaries .....	405.00

**Expenses:**

Rent of Offices.....	\$4,994.39
Light .....	493.71
Janitor's Supplies .....	383.29

## REPORT OF CITY AUDITOR

Towel Service .....	\$112.00	
Spring Water, Ice and Drink- ing Cups .....	204.62	
Repairs .....	493.89	
Telephone .....	66.49	
Stationery, Printing, Postage	285.59	
Auto Rental .....	229.25	
Inaugural Expenses .....	631.75	
All Other .....	837.88	
	<hr/>	\$14,329.61

**City Hall Equipment**

Electric Fans .....	\$134.40	
Soap Dispensers .....	36.00	
Awnings .....	232.05	
Oil Heaters .....	45.00	
Telephone .....	52.50	
	<hr/>	\$499.95

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**PROTECTION OF PERSONS AND PROPERTY**

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**Police Department**

Salaries and Wages:

Chief .....	\$2,433.60
Lieutenants and Sergeants..	10,115.16
Patrolmen .....	48,193.19
Janitor .....	1,696.50
Pensions .....	1,450.00
Reserve Officers .....	6,623.28

Equipment and Repairs:

Motor Equipment:

Repairs .....	\$753.99
Gasoline and Oil .....	301.08
Other .....	265.45
Equipment for Men .....	458.71
Other Equipment .....	5.50
Fuel .....	48.36
Light .....	136.73

Building and Grounds:

Repairs .....	\$7.30
Janitor's Supplies .....	42.13
Water .....	10.05
Other .....	121.74

Other Expenses:

Printing, Stationery, Postage	101.52
Telephone .....	116.12
Care and Transportation of Prisoners .....	2.26
Traveling Expenses .....	62.23
Horse Hire .....	25.00
Other .....	107.93

		\$73,077.83
Boiler .....		\$28.00

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FIRE DEPARTMENT

Salaries and Wages:

Chief .....	\$2,438.44
Deputy Chief .....	2,171.48
Firemen .....	71,635.45

Call Men .....	\$1,934.50
Pensions .....	833.74
Mechanician .....	1,145.16
Horses and Care of Same.....	1,792.73

### Equipment and Repairs

#### Motor Equipment:

Repairs .....	\$1,873.39
Gasoline and Oil and Kero- sene .....	869.91
Other .....	611.48
Equipment for Men.....	38.10
Hose and Fittings .....	118.11
Equipment and Supplies ....	416.45
Other Equipment .....	71.70
Fuel .....	2,606.98
Light .....	864.52

#### Buildings and Grounds:

Repairs .....	279.67
Janitor's Supplies .....	135.55
Laundry .....	343.90
Furniture and Furnishings..	15.36
Water .....	106.80
Other .....	115.50

#### Other Expenses:

Printing, Stationery, Postage	34.85
Telephone .....	272.57
Other .....	226.03
	<hr/>
	\$90,952.37
New Hose .....	\$2,600.00
Motor Pump .....	\$12,000.00

**BUILDING INSPECTION DEPARTMENT**

## Salary :

Building Commissioner ....	\$1,700.00
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## Expenses :

Stationery and Postage ....	3.00	
Printing and Advertising...	21.00	
Maintenance and use of Auto	360.00	
Telephone .....	12.00	
Other .....	3.85	
	<hr/>	\$2,099.85
Printing Building Ordinances ..		\$150.00

**SEALER OF WEIGHTS AND MEASURES  
DEPARTMENT**

## Salary :

Sealer .....	\$1,100.00
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## Expenses :

Assistants .....	16.75	
Books, Stationery, Postage..	35.10	
Printing and Advertising ...	4.00	
Carfares, Teams, etc. ....	198.10	
Telephone .....	31.56	
Equipment .....	56.79	
Other .....	57.70	
	<hr/>	\$1,500.00

**Gypsy and Brown Tail Moths****Salary:**

Superintendent .....	\$400.00
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**Expenses:**

Clerk .....	87.00	
Labor .....	3,666.07	
Equipment and Repairs.....	14.58	
Insecticides .....	32.17	
Other .....	36.70	
	<hr/>	\$4,236.52

**Trees****Expenses:**

Labor .....	\$2,450.07	
Clerk .....	8.00	
Equipment and Repairs ....	20.65	
Trees .....	250.00	
Other .....	125.70	
	<hr/>	\$2,854.42

**Electrical Department****Salaries:**

Superintendent .....	\$2,100.00
Lineman .....	995.50

**Expenses:**

Printing and Stationery ....	22.37	
Telephone .....	128.08	
Use of Auto .....	440.00	
	<hr/>	\$3,685.95

**Fire Alarm and Police Signal Service**

Expenses :

Labor .....	\$298.25	
Fire Alarm .....	318.02	
Police Signal .....	73.48	
All Other .....	60.81	
	<hr/>	\$750.56

**Police Signal System Equipment**

Salary :

Lineman .....	\$445.88
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Expenses :

Equipment .....	493.82	
Supplies .....	204.35	
Horse Hire .....	43.50	
Other .....	110.55	
	<hr/>	\$1,298.10

**Fire Alarm Signal System Equipment**

Expenses :

Signal Boxes .....	\$740.00	
Labor .....	155.13	
Supplies .....	155.16	
Other .....	28.50	
	<hr/>	\$1,078.79

**Armory**

Trustees of Veterans' Asso.—Rent.....	\$2,000.00
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**HEALTH AND SANITATION****Health Department****Salaries:**

Chairman of Board of Health	\$400.00
Other Members .....	100.00
Health Inspector .....	500.00
Medical Inspector .....	200.00
Inspector of Plumbing .....	1,525.00
Clerk .....	1,200.00
Nurse .....	270.00
Other .....	57.00

**Expenses:**

Office Supplies, Stationery and Postage .....	103.76
Printing and Advertising...	48.00
Other .....	112.00
Telephone .....	108.73
Hire .....	65.00
Automobile:	
Repairs .....	263.06
Gasoline and Oil .....	75.10
Other .....	48.05
Medical Attendance .....	17.60
Commitment of Insane .....	15.00
All Other .....	41.70

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 \$5,150.00
**Inspection****School Children:**

Salaries .....	\$500.00
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**Meat and Provisions:**

Salaries .....	250.00
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**Milk and Vinegar:**

Salaries .....	500.00
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 \$1,250.00

**Contagious Diseases**

Guards and Medicines .....	\$430.00
Drugs and Medicines .....	82.70
Auto Expense .....	310.97
Printing, Stationery and Postage	172.90
Miscellaneous .....	199.43

**Institutions****Board and Treatment:**

Cities .....	\$527.00
Private .....	227.14

**Tuberculosis****Board and Treatment:**

State Institutions .....	\$209.14
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\$2,159.28

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

Clerks .....	\$388.80
Canvassers .....	196.60
Printing, Stationery, Postage	119.30
Reporting Births .....	74.75
Reporting Deaths .....	71.50
Other .....	148.63

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\$999.58

**Sanitation****Sewer Maintenance:**

Labor .....	\$2,003.49
Equipment .....	198.47
Equipment and Repairs ....	38.50
Rubber Boots, etc. ....	174.10
All other .....	87.24

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\$2,501.80

## Sewer Construction :

Engineering .....	\$730.98	
Labor .....	13,922.32	
Teams .....	42.00	
Equipment and Repairs ....	974.48	
Brick, Sand, Cement, etc....	2,526.41	
Pipe and Castings .....	2,454.68	
Freight .....	11.24	
Lumber .....	585.69	
House Connections (Labor).	3,942.37	
Other .....	5,218.21	
	<hr/>	\$30,408.38

## Surface Drains and Catch Basins Construction :

Engineering .....	\$155.09	
Labor .....	4,487.23	
Equipment and Repairs ....	159.50	
Brick, Sand, Cement, etc....	659.30	
Pipe and Castings .....	2,440.49	
Lumber .....	40.00	
All Other .....	397.61	
	<hr/>	\$8,339.22

## Maintenance of Surface Drains and Catch Basins :

Labor .....	\$409.54	
Brick .....	90.00	
	<hr/>	\$499.54

## Street Cleaning :

Labor .....	\$8,646.51	
Cleaning Catch Basins .....	1,238.58	
	<hr/>	\$9,885.09

RECEIPTS

**Ashes**

Labor .....	\$27,242.29	
Equipment and Repairs .....	489.63	
Gasoline and Oil .....	1,024.97	
Hay, Grain, etc.....	626.47	
Clerk .....	16.00	
All other .....	3.92	
	<hr/>	\$29,403.28

**Collection of House Offal**

Labor .....	\$17,264.76	
Equipment .....	36.00	
Equipment and Repairs .....	68.68	
Gasoline and Oil .....	7.85	
Hay and Grain .....	1,474.25	
Clerk .....	24.00	
All Other .....	17.38	
	<hr/>	\$18,892.92

**Brooks and Streams**

Labor .....	\$371.21	
Equipment .....	24.00	
Equipment and Repairs .....	29.69	
Engineering .....	4.26	
All Other .....	70.84	
	<hr/>	\$500.00
Gravelly Creek Fence .....		\$50.00
Whitmore Brook .....		28.94

**Capen Street Drain**

Engineering .....	\$1.58
Labor .....	1,509.11

Brick, Sand, Cement, etc.....	\$286.00	
Pipe, Castings .....	285.63	
Other .....	29.70	
	<u>          </u>	\$2,112.02

#### College Avenue Drain

Labor .....	\$2,007.24	
Brick, Sand, Cement .....	1,047.54	
Pipe and Castings .....	445.22	
	<u>          </u>	\$3,500.00

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### HIGHWAYS

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#### Paving Medford Sq., Main, Salem and High Streets

Contract .....	\$58,028.36	
Paving (Boston Elev. Ry. Co.)..	3,489.90	
Engineering Labor .....	581.46	
Advertising .....	2.25	
City Labor .....	4,347.99	
Miscellaneous .....	307.66	
	<u>          </u>	\$66,757.62

#### Original Construction of Maverick St. and Tyler Ave.

Labor .....	\$2,984.99	
Stone .....	3,225.70	
Binders .....	3,529.00	
Gasoline and Oil .....	176.32	
Engineering Labor .....	66.52	
Other .....	17.47	
	<u>          </u>	\$10,000.00

**General Repairs**

Administration:

Salary of Commissioner . . . .	\$2,500.00
Clerks . . . . .	1,280.00
Stationery and Postage . . . .	37.08
Printing and Advertising . . . .	89.00
Telephone . . . . .	163.62
Office Equipment . . . . .	110.55
All Other . . . . .	11.70

General Expenses:

Labor . . . . .	\$6,347.05
Equipment . . . . .	100.13
Equipment and Repairs . . . .	357.70
Road Binders and Oil . . . . .	4,909.03
Crushed Stone, Sand, Gravel, etc. . . . .	4,885.07
All Other . . . . .	290.66

Maintenance of Stable:

Labor . . . . .	\$4,915.15
Hay, Grain and Straw . . . . .	5,677.50
Shoeing . . . . .	297.34
Equipment and Repairs . . . .	2,319.60
Stable Supplies . . . . .	129.16
Fuel and Light . . . . .	151.34
Gasoline and Oil . . . . .	775.68
Veterinary and Medicines . . .	105.35
Auto . . . . .	983.38
Other . . . . .	148.14

Snow and Ice Removal:

Labor . . . . .	\$12,158.13
Equipment and Repairs . . . .	47.50

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18,789.86

**Gravel Sidewalks**

Labor .....	\$1,563.73	
Crushed Stone, Sand, Gravel, etc.	24.00	
	<u>          </u>	\$1,587.73

**Sidewalks and Edgestones****Maintenance:**

Labor .....	\$3,786.79	
Crushed Stone, Sand, Gravel, etc. ....	256.65	
Brick and Cement .....	365.48	
Auto .....	65.92	
All Other .....	121.95	
	<u>          </u>	\$4,596.79

**Construction:**

Engineering .....	\$1,284.10
Labor .....	19,671.48
Teams, etc. ....	479.70
Edgestones .....	14,535.72
Crushed Stone, Sand, Gravel, etc. ....	2,586.87
Brick and Cement .....	2,102.97
All Other .....	1,004.36

**Motor Equipment:**

Repairs .....	74.80	
Gasoline and Oil.....	748.55	
	<u>          </u>	\$42,488.55

**Tar Walks**

Labor .....	\$499.61
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EXPENDITURES

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**Bridges**

Labor .....	\$265.85	
Hardware .....	3.87	
	<hr/>	\$269.72

**Paving Gutters**

Labor .....		\$300.00
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**Watering Streets**

Labor .....	\$3,261.31	
Motor Equipment:		
Repairs .....	97.64	
Gasoline and Oil .....	191.78	
Other .....	65.10	
Road Oil .....	14,163.26	
Abatements .....	20.07	
All Other .....	168.36	
	<hr/>	\$17,967.52

**Original Construction of Streets**

Engineering .....	66.82	
Labor .....	9,087.22	
Edgestones .....	4,534.88	
Crushed Stones, Sand, Gravel, etc. ....	4,400.21	
Road Binders .....	82.50	
Motor Equipment:		
Repairs .....	582.21	
Gasoline, Oil and Kerosene..	441.53	
Tools and Repairs .....	793.80	
Fuel .....	38.24	
Horses and Care of Same.....	451.00	
Other .....	799.45	
	<hr/>	\$21,277.86



**Ship Avenue Street Construction**

Labor .....	\$1,006.02	
Crushed Stone, Sand, Gravel, etc.	2,040.41	
Road Binders .....	520.00	
Auto Equipment:		
Gasoline and Oil.....	18.60	
All Other .....	34.74	
	<hr/>	3,619.77

**Street Lights**

Contract .....		\$26,017.03
Highway Department Pensions ..		\$1,970.00
Highway Department Equipment:		
Trucks and Parts.....		\$6,999.64

**Stone Bounds**

Engineering .....	\$48.32	
Labor .....	51.68	
	<hr/>	\$100.00

**Guide Boards and Street Signs**

Labor .....	\$230.87	
Painting and Lettering .....	33.40	
Lumber .....	85.12	
	<hr/>	\$349.39

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**CHARITIES AND SOLDIERS' BENEFITS**

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**Poor Department****Salaries:**

Overseers .....	\$800.00
Secretary .....	349.92

EXPENDITURES

Expenses :

Stationery and Postage . . . .	\$25.85
Traveling Expenses . . . . .	19.80

Outside Relief by City :

Cash Aid . . . . .	6,069.90
Fuel . . . . .	301.16
Groceries and Provisions . . .	909.19
Dry Goods and Clothing . . . .	386.87
Drugs and Medicines . . . . .	90.97
Board and Care . . . . .	2,103.80
Rent . . . . .	302.00
Transportation . . . . .	237.50
Burials . . . . .	90.00
State Institutions . . . . .	2,459.89
Other Insitutions . . . . .	1,315.70
Medical Attendance and Nursing . . . . .	216.00
All Other . . . . .	59.85

Relief given by Other Cities :

City of Boston . . . . .	305.00
City of Everett . . . . .	184.27
City of Malden . . . . .	842.36
City of Somerville . . . . .	194.39

**Mothers' Aid**

Relief given by City :

Cash Aid . . . . .	\$10,680.35
Fuel . . . . .	26.20
Groceries and Provisions . . .	10.01
Rent . . . . .	58.00
All Other . . . . .	92.14

## Relief given by Other Cities:

City of Boston .....	\$173.33	
City of Quincy .....	51.33	
City of Somerville .....	128.00	
	<hr/>	\$28,483.78

## Auto Ambulance:

Car .....	1906.00	
Insurance .....	53.00	
Registration .....	19.50	
Other .....	18.62	
	<hr/>	\$1997.12

## City Home

## Salaries:

Superintendent .....	775.06
Other Employees .....	2137.46

## Expenses:

Groceries and Provisions ....	1,969.66
Dry Goods and Clothing....	155.12
Medicine and Medical At- tendance, Nursing .....	36.07
Fuel and Light .....	417.71
Furniture and Furnishings..	460.73
Repairs .....	173.90
Telephone .....	62.90
Equipment .....	153.48
Equipment and Repairs ....	302.13
Live Stock .....	65.00
Hay, Straw and Grain .....	727.11
Shoeing .....	75.54
Water .....	70.20

EXPENDITURES

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Agricultural Supplies .....	\$82.80	
Tobacco, etc. ....	19.20	
All Other .....	668.76	
	<hr/>	\$8,352.83

**Soldiers' Benefits**

State Aid :

Spanish and Civil .....	\$3,588.00	
German .....	170.00	
Military Aid .....	719.00	
Soldiers' Relief .....	6,160.96	
	<hr/>	\$10,637.96

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**SCHOOLS AND LIBRARIES**

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**SCHOOL DEPARTMENT**

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**General Administration**

Salaries and Wages :

Secretary .....	\$500.02
Superintendent .....	3,726.45
Clerks .....	2,658.74
Truant Officer .....	1,457.50
All Other .....	180.00

Expenses :

Printing, Stationery, Postage	657.94
Telephone .....	653.02
Traveling Expenses .....	250.53
All Other .....	195.51

**Teachers' Salaries:****Day Schools:**

High .....	\$81,563.92
Elementary .....	187,469.53
Supervisors .....	4,742.09

**Evening Schools:**

High .....	390.00
Elementary .....	1,632.50

**Tuition:**

Elementary .....	6.00
Support of Truants .....	252.27

**Janitors' Salaries:****Day Schools:**

High .....	5,651.28
Elementary .....	16,634.94
Other .....	289.00

**Evening Schools:**

High .....	27.00
Elementary .....	10.00

**Text Books and Supplies****High:**

Text and Reference Books..	1,319.03
All Other .....	2,771.01

**Elementary:**

Text and Reference Books ..	2,547.80
All Other .....	7,567.02

EXPENDITURES

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Evening:

Elementary .....	\$62.51
All Other .....	9.50

Fuel and Light:

High .....	4,604.45
Elementary .....	22,751.54

Maintenance of Buildings and Grounds

High:

Repairs .....	\$1,244.18
Janitors' Supplies .....	266.25
All Other .....	295.09

Elementary:

Repairs .....	8,824.53
Janitors' Supplies .....	1,240.03
All Other .....	620.02

Furniture and Furnishings:

Elementary .....	397.89
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Other Expenses:

Diplomas and Graduation Exercises .....	353.95
Express .....	203.42
Other .....	42.34

\$364,068.80

Summer School

Teachers .....	\$1,011.75
Books, etc. ....	22.05
Other .....	12.45

\$1,046.25

**Retarded Children**

Transportation .....	\$61.00	
Tuition .....	3.00	
	<hr/>	\$64.00

**Trade School**

Tuition .....		\$2,013.59
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**South Medford Schoolhouse (Portable)**

Portable Building .....	\$2,900.00	
Ventilating System .....	175.00	
Furnishings .....	1,283.69	
	<hr/>	\$4,358.69

**Portable Schoolhouse (Dame School)**

Portable Buildings .....	\$6,400.00	
Other .....	12.00	
	<hr/>	\$6,412.00

**Fulton Heights Schoolhouse**

Old Contract .....	\$3,312.61	
10% as per agreement .....	6,554.62	
Labor .....	35,782.50	
Rent of Truck.....	2,570.00	
Rent of Drills, Boilers, En- gines, etc. ....	1,816.99	
Construction Materials .....	26,962.42	
Tools and Supplies .....	1,403.22	
Telephone .....	30.33	
Other .....	3,559.99	
Heating and Plumbing.....	4,445.00	
Architect's Services .....	3,044.74	
	<hr/>	\$89,482.72

**Swan Junior High Schoolhouse**

Equipment .....		\$212.55
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EXPENDITURES

51

**Brooks Schoolhouse**

Contract .....	\$3,930.00	
Heating and Electrical Work....	643.61	
Shades and Blackboards .....	328.85	
	<hr/>	\$4,902.46

**Hancock School**

Fence .....		\$400.00
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**Public Library**

Salaries and Wages:

Librarian .....	\$1,659.08
Assistants .....	4,921.79
Janitor .....	1,054.80
All Other .....	231.74

Expenses:

Books .....	3,187.59
Periodicals .....	1,039.38
Binding .....	69.59
Fuel .....	764.92
Light .....	196.03

Buildings and Grounds:

Repairs .....	727.12
Furniture and Furnishings..	236.50
Janitor's Supplies .....	36.18
Care of Grounds .....	19.00
All Other .....	89.30

Other Expenses:

Printing, Stationery, Postage	784.75
Express .....	69.32
Telephone .....	56.97
All Other .....	103.71

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\$15,247.77



**Agencies**

Express .....	\$226.69	
Agents .....	156.25	
Other .....	17.00	
	<hr/>	\$399.94

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**RECREATION AND UNCLASSIFIED**

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**Park Department**

**Administration:**

Superintendent .....	\$600.00
Secretary and Clerk .....	300.00
Printing, Stationery, Postage .....	43.05
Telephone .....	21.96
All Other .....	1.15

**Public Commons:**

Labor .....	4,886.86
Teams .....	573.00
Equipment .....	95.20
Equipment and Repairs ....	606.20
Band Stand, Repairs, Flags and Flagpoles .....	130.00
Shrubs, etc. ....	10.50
Loam and Dressing .....	63.00
All Other .....	373.11

**Playgrounds:**

Supervision .....	1,452.00	
Athletic Supplies .....	141.40	
Other .....	56.09	
	<hr/>	\$9,353.52

EXPENDITURES

53

Care of Bath House

Keeper .....	\$264.00	
Repairs .....	22.14	
		<hr/>
		\$286.14

UNCLASSIFIED

Metropolitan Assessments

Park Tax .....	\$23,474.05
Charles River Basin .....	3,905.85
Wellington Bridge .....	5,121.02
Sewer Tax .....	34,344.10

State Taxes

Special State Tax .....	\$4,672.80
Auditing Municipal Accts.....	2,786.59
Eastern Mass. St. Ry. Co. Tax...	1,072.65
Civilian War Poll Tax.....	30,573.00
Fire Prevention Tax ....	478.61
State Tax .....	99,120.00
State Highway Tax .....	384.28

County of Middlesex

County Tax, 1920 .....	\$43,430.12
Claims:	
Industrial Accident Compen- sation .....	\$1,788.00
Other .....	657.33
	<hr/>
	\$2,445.33
Celebration of April 19th.....	\$87.35
Band Concerts .....	1,246.00

Decoration and Care of Soldiers' Graves:

Post 66, G. A. R. ....	\$500.00	
Camp 30, S. W. V. ....	200.00	
American Legion .....	500.00	
	<hr/>	\$1,200.00
Decoration of Firemen's Graves.		\$50.00
Rent of Spanish War .....		225.00
Rent of G. A. R. Hall.....		400.00
Rent of Post 45, American Legion		315.00
Bonds of City Officials .....		674.40
Insurance .....		13,869.89

Riverside Avenue

Chief Engineer .....	\$1,158.33	
Engineer's Assistants .....	609.67	
Rent .....	127.26	
Stationery and Supplies .....	37.63	
Advertising .....	13.55	
	<hr/>	\$1,946.44

Park St. and Wellington Parks

Land .....	\$10,125.00	
Professional Services .....	292.85	
Other .....	139.46	
	<hr/>	\$10,557.31

Printing and Binding City Reports

Supervision .....	\$50.00	
Contract .....	1,616.80	
Binding .....	28.02	
All Other .....	23.25	
	<hr/>	\$1,718.07

**Printing and Revising City Ordinances**

Advertising City Ordinances . . . .	\$314.90	
Legal Services . . . . .	156.00	
Typing and Lettering . . . . .	24.00	
Printing . . . . .	1,210.10	
	<hr/>	\$1,705.00
Miscellaneous Credits:		
Transporting Soldiers from Camp Devens . . . . .	\$50.00	
Shades for Portable School Houses . . . . .	39.65	
Setting and Removing Poles	79.91	
Carpentry . . . . .	30.89	
Burial . . . . .	60.00	
Flags for Memorial Flag Pole . . . . .	41.00	
Supervising care of graves of War Veterans and care of Flags . . . . .	50.00	
Refund of Costs . . . . .	.35	
	<hr/>	\$351.80
Fire Proof Vault . . . . .		\$1,065.00
Development of the Port of Bos- ton . . . . .		12,000.00
Memorial Honor Roll . . . . .		5,024.27
War Emergency . . . . .		98.55
Flag Pole Oak Grove Cemetery..		397.96
Portable Band Stand . . . . .		40.25
Salaries . . . . .		5,750.00
Tax Titles:		
Estates bought at sale for Taxes . . . . .		1,182.21

**ENTERPRISES AND CEMETERIES****Fulton Heights Water Main**

Labor .....	\$4,060.51	
Pipe .....	939.49	
	<hr/>	\$5,000.00

**Forest Park Water Main**

Labor .....	\$1,651.78	
Pipe .....	1,274.36	
Freight .....	73.86	
	<hr/>	\$3,000.00

**Water Service****Administration:**

Superintendent .....	\$2,266.66
Registrar .....	2,200.00
Clerk of Board .....	204.00
Clerks .....	4,237.66
Water Commissioners .....	150.00
Other .....	2.63
Watchman .....	816.37
Vacation and Holidays .....	7,872.14
Accident Compensation and Pensions .....	1,606.00
Reading Meters .....	3,878.73
Printing, Stationery and Postage .....	845.42
Telephone .....	156.47
All Other .....	275.45

**General:**

Labor .....	\$4,985.45
Teams .....	461.00
Pipe and Fittings .....	1,085.08

EXPENDITURES

57

Meters and Repairs .....	\$2,674.55	
Hydrants and Repairs .....	3,125.04	
Equipment and Repairs ....	138.45	
Repairs on Buildings .....	1,998.37	
Refunds .....	1.50	
All Other .....	56.58	
Shop and Garage:		
Labor .....	3,247.18	
Hay, Grain and Straw.....	420.68	
Repairs of Wagons, Harness, etc. ....	87.08	
Stable Supplies .....	90.90	
Motor Equipment:		
Repairs .....	2,579.00	
Gasoline and Oil .....	2,572.82	
All Other .....	675.58	
Fuel and Light .....	523.78	
All Other .....	37.53	
Construction:		
Labor .....	3,109.53	
Teams .....	66.57	
Pipe and Fittings .....	6,971.47	
Meters and Fittings .....	2,124.80	
Hydrants and Fittings.....	80.20	
Freight .....	252.89	
Equipment and Repairs ....	1,290.89	
Engineering Labor .....	58.96	
All Other .....	656.70	
Service Connections:		
Labor .....	3,395.96	
Teams .....	15.00	
Pipe and Fittings .....	3,015.98	
Metropolitan Water Tax .....	38,174.66	
	<hr/>	\$108,485.71

**Care of Cross and Salem Street Cemeteries**

Labor .....	\$196.24
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**Care of Oak Grove Cemetery****Salaries and Wages:**

Trustees .....	\$200.00
Superintendent and Acting Superintendent .....	2,547.84
Clerk .....	603.00
Labor .....	11,224.54

**Expenses:**

Fertilizer, Loam, Dressing, etc. ....	702.65
Trees, Plants and Shrubs...	1,127.56
Hardware and Tools .....	477.84
Equipment .....	272.00
Auto Supplies and Repairs..	2,034.38
Horses and Care of Same...	394.10
Maintenance of Buildings...	1,267.38
Lumber .....	12.07
Markers .....	12.00
Insurance .....	51.76
Telephone .....	103.98
Office Supplies .....	62.22
Fuel and Light .....	193.97
All Other .....	241.24
	<hr/>
	\$21,528.53

**INTEREST AND MATURING DEBT****Interest****Temporary Loans:**

Anticipation of Revenue ....	\$34,528.03
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EXPENDITURES

General Loans :

Sidewalk and Streets .....	\$14,918.25	
Sewer and Surface Drains..	12,962.50	
Schools .....	29,347.75	
City Hall and Other .....	6,600.00	
Other .....	12,633.25	
On Registered Bonds .....	820.00	
Refunded .....	3.61	
Interest on the Water Debt .....	4,200.00	
	<hr/>	\$116,013.39

MUNICIPAL INDEBTEDNESS

Temporary Loans :

Anticipation of Revenue....	\$700,000.00
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General Loans :

Sidewalk and Streets .....	\$69,300.00	
Sewer and Surface Drains..	27,500.00	
Schools .....	40,900.00	
Other .....	58,018.18	
Preparation and Certification	875.00	
	<hr/>	\$196,593.18
Water .....		19,000.00
Perpetual Care Fund.....		6,265.00
Sinking Fund .....		8,395.00

Income from Trust Funds

Bradbury Fund .....	\$512.03	
Seccomb Fund .....	246.50	
Simonds Fund .....	55.25	
Hall Church Fund .....	212.50	
Osgood Tufts and Munroe (Library) .....	127.90	
	<hr/>	\$1,154.18



## Refunds

Poll Taxes .....	\$203.00	
Real Estate .....	121.41	
Betterments .....	57.42	
		\$381.83
Total Payments .....	\$2,697,612.54	
Cash balance Dec. 31, 1920	180,874.99	
		\$2,878,487.53

## Miscellaneous Bills

The books of this department show the amounts remaining uncollected Jan. 1, 1921, to have been for the following accounts:

General Expenses—School Department.....	\$437.00
Outside Relief .....	4,600.34
Contagious Diseases .....	633.38
Sewer Maintenance .....	51.23
Sewer Construction .....	676.89
Income from Estate Taken for Taxes.....	22.50
Surface Drains .....	8.50
Almshouse .....	53.58
General Repairs of Highways .....	443.40
Trees .....	3.00
Ashes .....	163.32
Gypsy and Brown Tail Moths .....	201.87
Engineering Dept Expenses .....	122.06
Miscellaneous Credits .....	31.78
Health Dept. Expenses .....	681.60
Guide Boards and Street Signs.....	2.75
Food Production and Conservation.....	178.25
Sidewalks and Edgestones .....	1,811.50
City Hall .....	39.05
Public Commons .....	18.00
Electrical Dept. Expenses .....	68.45

EXPENDITURES

61

City Home .....	\$34.72
Fire and Police Signal Service.....	198.01
Coll. of House Offal.....	1,275.00
Purchasing Dept. Expenses .....	2.50
	<hr/>
	\$11,758.68

## CITY AUDITOR'S STATEMENT

From the beginning of the Financial Year, January 1, 1920, to December 31, 1920

NAME OF ACCOUNT	Appropriations, Balances, Assessments	Transfers from other Accounts	Receipts	Total Amount Credited	Transfers to other Accounts	Expended to Date	Unex- pended Balances	Excess
<b>General Government</b>								
Aldermen's Contingent . . . . . app.	\$800.00			\$800.00	\$134.34	\$665.66		
Salary of City Auditor . . . . . app.	2,500.00			2,500.00		2,500.00		
Auditing Dept. Expenses . . . . . app.	1,550.00	\$275.00		1,825.00	75.96	1,749.04		
Salary of City Treasurer . . . . . app.	2,500.00			2,500.00		2,500.00		
Treasury Dept. Expenses . . . . . app.	250.00	60.00		310.00	1.35	308.65		
Salary of City Collector . . . . . app.	2,500.00			2,500.00		2,500.00		
Collecting Dept. Expenses . . . . . app.	6,200.00	1,800.00		8,000.00	311.35	7,688.65		
Salaries of Assessors . . . . . app.	3,700.00			3,700.00		3,700.00		
Assessors' Expenses . . . . . app.	8,000.00			8,000.00	.41	7,999.59		
Assessors' Plans . . . . . bal.	382.10			382.10		382.10		
Salary of City Solicitor . . . . . app.	1,800.00			1,800.00		1,800.00		
Law Dept. Expenses . . . . . app.	150.00			150.00	109.47	40.53		
Salary of City Clerk . . . . . app.	2,500.00			2,500.00		2,500.00		
City Clerk's Dept. Expenses . . . . . app.	4,500.00			4,500.00	220.04	4,279.96		
Salary of City Engineer . . . . . app.	2,500.00			2,500.00		2,500.00		
Engineering Dept. Expenses . . . . . app.	2,100.00		\$4,109.27	6,209.27	.06	6,209.21		

Election Expenses .....app.	7,500.00	4,300.00	.....	11,800.00	.88	11,799.12	.....	.....
Salary of Purchasing Agent app.	2,500.00	.....	.....	2,500.00	.....	2,500.00	.....	.....
Purchasing Dept. Expenses app.	2,000.00	.....	15.73	2,015.73	11.73	2,004.00	.....	.....
Board of Survey ..... } bal.	233.85	.....	45.00	348.85	.....	174.93	\$173.92	.....
..... } app.	50.00	.....	.....	.....	.....	.....	.....	.....
Salaries of Water and Sewer Commissioners .....app.	150.00	.....	.....	150.00	.....	150.00	.....	.....
Salary of City Messenger app.	1,900.00	.....	.....	1,900.00	.....	1,900.00	.....	.....
City Messenger's Expenses app.	1,000.00	452.05	.....	1,452.05	.....	1,452.05	.....	.....
City Hall .....app.	10,884.95	1,093.91	.....	11,978.86	1,001.30	10,977.56	.....	.....
Pension, Auditing Dept. ....	793.04	.....	.....	793.04	.....	793.04	.....	.....
<b>Protection of Persons and Property</b>								
Salaries of Policemen.....app.	65,926.75	.....	.....	65,926.75	378.30	65,548.45	.....	.....
Reserve Officers .....app.	5,000.00	1,660.00	.....	6,660.00	6.72	6,653.28	.....	.....
Police Dept. Expenses.....app.	2,500.00	140.98	.....	2,640.98	.....	2,640.98	.....	.....
Boiler—Police Dept. ....bal.	102.53	.....	.....	102.53	.....	28.00	74.53	.....
Salaries of Firemen.....app.	82,133.34	.....	.....	82,133.34	427.10	81,706.24	.....	.....
Repair Shop, Fire Dept...bal.	82.98	.....	.....	82.98	.....	.....	82.98	.....
Ordinary Expenses, Fire Dept. app.	9,500.00	1,247.47	55.45	10,802.92	9.32	10,793.60	.....	.....
Repairs to Fire Dept Buildings bal.	212.71	.....	.....	212.71	.....	.....	212.71	.....
Armory .....app.	1,100.00	.....	900.00	2,000.00	.....	2,000.00	.....	.....
Salary of Building Com...app.	1,700.00	.....	.....	1,700.00	.....	1,700.00	.....	.....
Building Inspector's Expenses app.	400.00	.....	.....	400.00	.15	399.85	.....	.....
Printing Ordinances (Building) bal.	150.00	.....	.....	150.00	.....	150.00	.....	.....
Salary of Sealer of Weights and Measures .....app.	1,100.00	.....	.....	1,100.00	.....	1,100.00	.....	.....

**CITY AUDITOR'S STATEMENT—Continued**

NAME OF ACCOUNT	Appropriations Balances, Assessments	Transfers from other Accounts	Receipts	Total Amount Credited	Transfers to other Accounts	Expended to Date	Unex- pended Balance.	Excess
Expenses of Sealer of Weights and Measures app.	400.00			400.00		400.00		
Salary of Supt. of Moth Suppression ..... app.	400.00			400.00		400.00		
Gypsy and Brown Tail bal.	1,059.48							
Moths ..... app.	2,000.00			3,059.48	.10	3,059.38		
Trees ..... app.	1,000.00	2,602.46	29.10	3,631.56		3,631.56		
Salary of Supt. of Wires and Gas Fitting..... app.	2,100.00			2,100.00		2,100.00		
Salary of Lineman..... app.	1,000.00			1,000.00	4.50	995.50		
Electrical Dept. Expenses app.	500.00	8.45	82.00	590.45		590.45		
Fire and Police Signal Service app.	500.00	254.50	1.60	756.10	554.00	750.56		
<b>Health and Sanitation</b>								
Salaries of Board of Health app.	500.00			500.00		500.00		
Salaries of Inspectors and Clerk ..... app.	4,100.00			4,100.00		4,100.00		
Contagious Diseases ..... app.	2,000.00		234.00	2,234.00	74.72	2,159.28		
Health Dept. Expenses.....	1,300.00	83.33		1,383.33	83.33	1,300.00		
Reporting and Recording Births and Deaths ..... app.	1,000.00			1,000.00	.12	999.58		

Medical Inspection—School Dept. .... app.	500.00			500.00		500.00	
Sewer Maintenance ..... app.	2,500.00		1.80	2,501.80		2,501.80	
Ashes ..... app.	27,000.00	2,000.00	444.94	29,444.94	41.66	29,403.28	
Collection of House Offal app.	14,000.00		4,762.50	18,762.50		19,713.46	\$950.96
Surface Drains Maintenance app.	500.00			500.00	.46	499.54	
Brooks and Streams ..... app.	500.00			500.00		500.00	
<b>Highways .</b>							
Salary of Street Commissioner app.	2,500.00			2,500.00		2,500.00	
Bridges ..... app.	250.00	19.72		269.72		269.72	
Highway Dept.—							
Office Expenses ..... app.	1,000.00			1,000.00	.09	999.91	
General Repairs of Highways app.	50,000.00	10,717.34	4,896.30	65,613.64		65,613.64	
Paving Gutters ..... app.	300.00			300.00		300.00	
Sidewalks and Edgestones							
Maintenance ..... app.	3,000.00	1,269.09	373.00	4,642.09	.09	4,642.00	
Gravel Sidewalks ..... app.	1,500.00		88.00	1,588.00	.27	1,587.73	
Tar Walks ..... app.	500.00			500.00	.39	499.61	
Watering Streets ..... app.	18,000.00		42.07	18,042.07	.49	18,041.58	
Street Lights ..... app.	26,000.00	17.03		26,017.03		26,017.03	
Pensions ..... app.	2,000.00			2,000.00	20.67	1,979.33	
Guide Boards and Street Signs app.	200.00	150.00		350.00	.61	349.39	
Stone Bounds ..... app.	100.00			100.00		100.00	
<b>Charities and Soldiers' Benefits</b>							
Salaries of Overseers of Poor app.	800.00	58.32		858.32		858.32	

**CITY AUDITOR'S STATEMENT—Continued**

NAME OF ACCOUNT	Appropriations, Balances, Assessments	Transfers from other Accounts	Receipts	Total Amount Credited	Transfers to other Accounts	Expended to Date	Unex- pended Balances	Excess
Outside Relief ..... app.	20,000.00	1,946.95	6,736.83	28,683.78		28,683.78		
City Home ..... app.	6,000.00	1,049.14	1,303.69	8,352.83		8,352.83		
State Aid .....		12,275.66	26.00	12,301.66		12,360.66		59.00
Military Aid .....		396.00		396.00		884.00		488.00
Soldiers Relief ..... app.	2,000.00	4,136.96	24.00	6,160.96		6,160.96		
<b>Schools and Libraries</b>								
Salaries of Teachers, Supt. etc. .... app.	283,078.00		200.00	283,278.00	200.20	283,077.80		
Text Books and Supplies app.	14,000.00			14,000.00	3.14	13,996.86		
Stewardship ..... app.	23,000.00	1,050.00	25.00	24,075.00	42.28	24,032.72		
Fuel—School Dept. .... app.	25,000.00	627.10		25,627.10	89.17	25,537.93		
Repairs—School Dept. .... app.	10,000.00		300.00	10,300.00	.09	10,299.91		
Evening School ..... app.	2,000.00	250.00		2,250.00	118.49	2,131.51		
Summer School ..... app.	1,100.00			1,100.00	53.75	1,046.25		
General Expenses—School Dept. app.	5,000.00	739.95	1,669.50	7,409.45	.33	7,409.12		
Trade Schools ..... app.	1,200.00	101.56	712.03	2,013.59		2,013.59		
Hancock Avenue Schoolhouse bal.	350.00	50.00		400.00		400.00		
Brooks and Lincoln { bal.	989.75							
Schoolhouse Equipment { app.	2,010.25			3,000.00	3,000.00			

Public Library .....app.	12,325.00		2,925.52	15,250.52	2.75	15,247.77	
Agencies .....app.	400.00			400.00	.06	399.94	
Transportation of Pupils.....		500.00		500.00	500.00		
Tuition—Retarded Children....		500.00		500.00		64.00	436.00
Brooks Schoolhouse .....		5,000.00		5,000.00	97.54	4,902.46	
<b>Recreation and Unclassified</b>							
Public Commons.....app.	7,400.00	175.00		7,575.00	2.77	7,572.23	
Playground Supervision ..app.	1,800.00			1,800.00	18.71	1,781.29	
Care of Bath Houses.....app.	300.00			300.00	13.86	286.14	
Claims .....	1,700.00	759.33		2,459.33	14.00	2,445.33	
<b>Decoration and Care of</b>							
Soldiers' Graves .....	1,200.00			1,200.00		1,200.00	
Rental G. A. R. Hall.....app.	450.00			450.00	50.00	400.00	
Post 45, American Legion ..app.	300.00	15.00		315.00		315.00	
Rent—Spanish War .....	240.00			240.00	15.00	225.00	
Insurance .....	12,600.00	477.00	\$17.56	13,894.56	24.67	13,869.89	
Printing Reports .....	1,740.00			1,740.00	21.93	1,718.07	
Bonds of City Officials...app.	650.00	23.00	2.00	675.00	.60	674.40	
Printing and Revising							
Ordinances .....	1,700.98			1,700.98	44.08	1,656.90	
Printing and Advertising							
Ordinances .....	100.00			100.00	51.90	48.10	
Mayor's Miscellaneous Account							
app.	2,500.00	200.25	9.24	2,769.49	.29	2,769.20	
Salaries .....	5,750.00	316.66		6,066.66		6,066.66	
Fire-proof Vault .....	500.00	600.00		1,100.00	35.00	1,065.00	
Celebration of April 19.....		100.00		100.00	12.65	87.35	
Miscellaneous Credits.....			12,930.98	12,930.98	12,579.18	351.80	
Band Concerts .....		1,225.00	32.00	1,257.00	11.00	1,246.00	
Decoration of Firemen's							
Graves .....	50.00			50.00		50.00	



**CITY AUDITOR'S STATEMENT—Continued**

NAME OF ACCOUNT	Appropriations, Balances, Assessments	Transfers from other Accounts	Receipts	Total Amount Credited	Transfers to other Accounts	Expended to Date	Unex- pended Balances	Excess
Dedication of Honor Roll.....		500.00		500.00			500.00	
Flag Pole—Oak Grove Cemetery .....		400.00		400.00	2.04	397.96		
<b>Enterprises and Cemeteries</b>								
Water Service .....			104,758.02	104,758.02		108,489.20		3,731.18
Salaries of Trustees of Cemeteries .....app.	200.00			200.00		200.00		
Care of Oak Grove { bal. Cemetery ..... { app.	484.54 4,000.00		16,867.61	21,352.15	23.62	21,328.53		
Care of Cross and Salem Street Cemeteries .....app.	200.00			200.00	3.76	196.24		
<b>Interest and Maturing Debt</b>								
Interest .....app.	96,500.00	1,924.38	24,579.48	123,003.86	10,615.47	112,388.39		
Interest—Water Dept.....bal.	2,441.62		6,166.35	8,607.97	300.00	3,900.00	4,407.97	
City Debt ..... { bal. ..... { app.	41,554.46 141,700.00	10,789.00	58,280.67	252,324.13	8,994.18	215,318.18	28,011.77	
Sinking Funds .....app.	8,395.00			8,395.00		8,395.00		
Income from Trust Funds bal.	187.10		1,158.89	1,345.99		1,154.18	191.81	

Non Revenue

Perpetual Care Fund.....				6,265.00	6,265.00		6,265.00		
City Hall Construction... bal.	98,270.85				98,270.85			98,270.85	
Police Signal System Equip.									
} bal.	1,812.54	2,000.00			3,812.54		3,298.10	514.44	
} app.	500.00								
Capen Street Drain.....									
} bal.	1,612.02				2,112.02		2,112.02		
} app.	20,000.00								
Sewer Construction.....									
} bal.	6,164.90	12,037.35	2,202.24		40,404.49		34,171.40	6,233.09	
} app.	3,500.00				3,500.00		3,500.00		
College Avenue Drain... app.	10,500.00								
Surface Drains Con-									
struction ..... } bal.	3,133.61		1,043.90		14,677.51		8,339.22	6,338.29	
Whitmore Brook ..... bal.	28.94				28.94			28.94	
Paving Medford Square,									
} app.	3,000.00								
} bal.	63,903.83				66,903.83		66,757.62	146.21	
Ship Avenue ..... bal.	3,544.77		75.00		3,619.77		3,619.77		
Original Construction									
of Streets ..... } app.	16,000.00								
} bal.	8,576.07				24,576.07		24,277.86	298.21	
Original Construction of									
} app.	10,000.00				10,000.00		10,000.00		
} bal.	3,385.27				3,385.27		1,946.44	1,438.83	
Riverside Avenue.....									
} app.	4,000.00								
} bal.	32,332.03	16,767.54	85.00		53,184.57		44,521.32	8,663.25	
Fulton Heights School-									
house ..... } app.	42,655.17								
} bal.	50,000.00		26.00		92,681.17		89,482.72	3,198.45	
High Schoolhouse Addition									
} bal.	184.70				184.70			184.70	
Osgood Schoolhouse ..... bal.	6.08				6.08			6.08	
Junior High Schoolhouse... bal.	567.27				567.27		212.55	354.72	

**CITY AUDITOR'S STATEMENT—Continued**

NAME OF ACCOUNT	Appropriations, Balances, Assessments	Transfers from other Accounts	Receipts	Total Amount Credited	Transfers to other Accounts	Expended to Date	Unex- pended Balances	Excess
South Medford Schoolhouse....								
bal.	5,000.00			5,000.00		4,358.69	641.31	
Playground Equipment.... bal.	3,000.00			3,000.00			3,000.00	
Memorial Honor Roll.... bal.	4,996.25	1,500.00		6,496.25		5,024.27	1,471.98	
Food Production and Con- servation ..... bal.	25.07			25.07			25.07	
Development of the Port of Boston ..... bal.	12,000.00		333.34	12,333.34		12,000.00	333.34	
Fuel Administration Expenses bal.	147.92			147.82			147.92	
War Emergency ..... bal.	177.71			177.71		98.55	79.16	
Special War Emergency... bal.	2,750.00			2,750.00	1,900.00		850.00	
Auditing Dept. Equip.... app.	800.00			800.00		664.36	135.64	
Highway Dept. Equip.... app.	7,000.00			7,000.00		6,999.64	.36	
Motor Pump—Fire Dept.. app.	12,000.00			12,000.00		12,000.00		
New Hose—Fire Dept.... app.	4,300.00	300.00		4,600.00		4,600.00		
Land Dame School..... app.	4,000.00			4,000.00			4,000.00	
Portable Schoolhouse (Dame) app.	10,000.00			10,000.00		6,412.00	3,588.00	
Park St. and Wellington Parks app.	20,000.00			20,000.00		10,557.31	9,442.69	
Fire Dept. Repair Shop Equipment ..... app.	2,500.00			2,500.00			2,500.00	

Auto Ambulance, Poor Dept. app.	2,000.00	.....	.....	2,000.00	.....	1,997.12	2.88	.....
Fire Alarm Signal System Equipment .....	2,000.00	.....	.....	2,000.00	.....	1,078.79	921.21	.....
Election Dept. Equip.....	1,000.00	.....	.....	1,000.00	.....	1,000.00		.....
City Hall Equip.....	500.00	.....	.....	500.00	.....	499.95	.05	.....
Assessors' Dept. Equip.....	500.00	.....	.....	500.00	.....	385.00	115.00	.....
Portable Band Stand.....	300.00	.....	.....	300.00	.....	40.25	259.75	.....
Clerk of Committees Equip. app.	100.00	.....	.....	100.00	.....	100.00		.....
Fulton Heights Water Mains app.	5,000.00	.....	.....	5,000.00	.....	5,000.00		.....
Forest Park Water Mains app.	3,000.00	.....	.....	3,000.00	.....	3,000.00		.....

**BALANCE SHEET DECEMBER 31, 1920**

Cash .....	\$180,874.99
Taxes 1920 .....	348,996.84
Taxes 1919 .....	64,505.19
Taxes 1918 .....	1,411.31
Taxes 1917 .....	2.72
December Taxes 1920.....	433.59
Tax Titles .....	7,369.49
Land Court Expenses .....	228.50
Street Watering Assessments 1919 .....	1,167.53
Street Watering Assessments 1917 .....	84.85
Street Watering Assessments 1918 .....	74.75
Unapportioned Sewer Assess- ments .....	366.96
Apportioned Sewer Assessments 1920 .....	224.19
Apportioned Sewer Assessments 1919 .....	29.02
Apportioned Sewer Assessments 1918 .....	7.08
Unapportioned Sidewalk Assess- ments .....	6,235.04
Apportioned Sidewalk Assess- ment 1920 .....	872.61
Apportioned Sidewalk Assess- ment 1919 .....	124.19
Apportioned Sidewalk Assess- ment 1918 .....	16.34
Unapportioned Betterment As- sessment .....	6,578.92
Apportioned Betterment Assess- ment 1920 .....	1,158.73

## EXPENDITURES

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Apportioned Betterment Assessment 1919 .....	\$199.26
Com. Int. on Apportioned Sewer Assessment 1920 .....	37.95
Com. Int. on Apportioned Sewer Assessment 1919 .....	5.37
Com. Int. on Apportioned Sewer Assessment 1918 .....	.90
Com. Int. on Apportioned Sidewalk Assessment 1920 .....	169.70
Com. Int. on Apportioned Sidewalk Assessment 1919 .....	14.19
Com. Int. on Apportioned Sidewalk Assessment 1918.....	.90
Com. Int. on Apportioned Betterment Assessment 1920.....	238.59
Com. Int. on Apportioned Betterment Assessment 1919 .....	36.60
Com. Int. on Apportioned Sewer Con. Assessment 1920.....	94.38
Com. Int. on Apportioned Sewer Con. Assessment 1919.....	5.11
Com. Int. Sewer Con. Added to Taxes 1920 .....	41.76
Com. Int. Sewer Con. Added to Taxes 1919 .....	2.89
Water Connections .....	4,072.91
Sewer Connections .....	2,860.17
Apportioned Sewer Connections 1920 .....	486.62
Apportioned Sewer Connections 1919 .....	29.98
Sewer Connections Added to Taxes 1920 .....	1,151.25
Sewer Connections Added to Taxes 1919 .....	129.04
Mosquito Assessments .....	3,481.72

Notes Anticipation of Revenue		\$450,000.00
Overlay Taxes 1920.....		5,296.93
Overlay Taxes 1919.....		537.33
Overlay Taxes 1918.....		61.86
Overlay Taxes 1917.....		16.48
Revenue—Excess and Deficiency		3,140.36
December Tax Revenue.....		484.25
Com. Int. on Apportioned As-		
sessments and Connections..		648.34
Mosquito Nuisance .....		5,381.56
Tailings .....		153.49
Military Aid .....	423.50	
Reserve for Soldiers' Bonus.....		15.00
State Aid .....	3,514.00	
Apportioned Sewer Assessments		
Not Due .....	784.24	
Apportioned Sewer Assessments		
Due 1921 .....		324.33
Apportioned Sewer Assessments		
Due 1922 .....		192.43
Apportioned Sewer Assessments		
Due 1923 .....		148.01
Apportioned Sewer Assessments		
Due 1924 .....		119.47
Apportioned Sidewalk Assess-		
ments Not Due .....	6,836.50	
Apportioned Sidewalk Assess-		
ments Due 1921 .....		1,809.90
Apportioned Sidewalk Assess-		
ments Due 1922 .....		1,616.31
Apportioned Sidewalk Assess-		
ments Due 1923 .....		1,157.20
Apportioned Sidewalk Assess-		
ments Due 1924 .....		817.63
Apportioned Sidewalk Assess-		
ments Due 1925 .....		404.08

## EXPENDITURES

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Apportioned Sidewalk Assessments Due 1926 .....		\$379.24
Apportioned Sidewalk Assessments Due 1927 .....		330.53
Apportioned Sidewalk Assessments Due 1928 .....		218.21
Apportioned Sidewalk Assessments Due 1929 .....		94.92
Apportioned Sidewalk Assessments Due 1930 .....		8.48
Apportioned Betterment Assessments Not Due .....	5,353.86	
Apportioned Betterment Assessments Due 1921 .....		1,874.45
Apportioned Betterment Assessments Due 1922 .....		1,305.81
Apportioned Betterment Assessments Due 1923 .....		1,056.82
Apportioned Betterment Assessments Due 1924 .....		464.43
Apportioned Betterment Assessments Due 1925 .....		169.21
Apportioned Betterment Assessments Due 1926 .....		169.21
Apportioned Betterment Assessments Due 1927 .....		170.21
Apportioned Betterment Assessments Due 1928 .....		130.83
Apportioned Betterment Assessments Due 1929 .....		12.89
Apportioned Sewer Connections Not Due .....	4,673.48	
Apportioned Sewer Connections Due 1921 .....		1,489.43
Apportioned Sewer Connections Due 1922 .....		1,083.84



Apportioned Sewer Connections		
Due 1923 .....		\$997.16
Apportioned Sewer Connections		
Due 1924 .....		751.39
Apportioned Sewer Connections		
Due 1925 .....		351.66
Board of Survey .....		173.92
Boiler—Police Dept. ....		74.53
Repair Shop—Fire Department..		82.98
Repairs to Fire Department		
Buildings .....		212.71
Collection of House Offal .....	950.96	
State Aid .....	59.00	
Military Aid .....	488.00	
Tuition—Retarded Children ....		436.00
Dedication of Honor Roll .....		500.00
Water Service .....	3,713.18	
Interest Water Debt .....		4,407.97
Income from Trust Funds .....		191.81
City Debt .....		28,001.77
Loans Authorized .....	10,000.00	
City Hall Construction .....		98,270.85
Police Signal System Equip-		
ment .....		514.44
Sewer Construction .....		6,233.09
Surface Drain Construction....		6,338.29
Paving Medford Square, Main,		
Salem and High Streets....		146.21
Original Construction of Streets.		298.21
Riverside Avenue .....		1,438.83
Sidewalk and Edgestone Con-		
struction .....		8,663.25
Fulton Heights Schoolhouses....		3,198.45
High School Addition .....		184.70
Osgood Schoolhouse .....		6.08
Junior High Schoolhouse.....		354.72
South Medford Schoolhouse....		641.31

EXPENDITURES

Playground Equipment .....	\$3,000.00
Memorial Honor Roll .....	1,471.98
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 Equipment	135.64
Highway Department Equipment	.36
Land, Dame School .....	4,000.00
Portable Schoolhouse, Dame School .....	3,588.00
Park St. and Wellington Parks..	9,442.69
Fire Department Repair Shop Equipment .....	2,500.00
Auto Ambulance, Poor Depart- ment .....	2.88
Fire Alarm Signal System Equip- ment .....	921.21
City Hall Equipment .....	.05
Assessors' Department Equip- ment .....	115.00
Portable Band Stand .....	259.75
	<hr/>
	\$670,636.85
	<hr/>
	\$670,636.85

**Sewer Assessments Apportioned**

The amount of apportionments to be committed to the City Collector for collection in future years as reported on page 150 of the report dated Jan. 1, 1920, was .....	\$1,079.10
Apportioned in 1920 .....	586.19
	<hr/>
	\$1,665.29

Committed to Collector in 1920	\$753.08	
Paid in advance in 1920.....	127.97	
	<hr/>	\$881.05
Balance to be committed in future years .....		\$784.24

#### Sidewalk Assessments Apportioned

Jan. 1, 1920, balance to be committed .....		\$8,565.84
Apportioned in 1920 .....		2,032.77
		<hr/>
		\$10,598.61
Committed to Collector in 1920..	\$3,093.05	
Paid in Advance in 1920.....	669.06	
	<hr/>	\$3,762.11
Balance to be committed in future years .....		\$6,836.50

#### Betterment Assessments Apportioned

Jan. 1, 1920, balance to be committed .....		\$6,457.98
Apportioned in 1920 .....		1,614.16
		<hr/>
		\$8,072.14
Committed to Collector in 1920..	\$2,445.14	
Paid in advance in 1920.....	273.14	
	<hr/>	\$2,718.28
Balance to be committed in future years .....		\$5,353.86

**Sewer Connections Apportioned**

Jan. 1, 1920, balance to be committed .....		\$3,901.23
Apportioned in 1920.....		2,687.98
		<hr/>
		\$6,589.21
Committed to Collector in 1920..	\$1,439.64	
Paid in advance in 1920.....	476.09	
	<hr/>	\$1,915.73
Balance to be committed in future years .....		\$4,673.48

## BONDS OUTSIDE DEBT LIMIT

LOANS	Due	How Pay-able	Amount	Total Outstanding
Water Fund .....	Jan. 1, 1921	S. F.	\$3,000.00	.....
" " .....	July 1, 1921	" "	15,000.00	.....
" " .....	Jan. 1, 1922	" "	4,000.00	.....
" " .....	Dec. 1, 1922	" "	25,000.00	.....
" " .....	July 1, 1923	" "	26,000.00	\$73,000.00
Water Mains Extensions..	Dec. 1, 1921	Taxes	2,000.00	.....
" " " .....	Dec. 1, 1922	"	2,000.00	.....
" " " .....	Dec. 1, 1923	"	2,000.00	.....
" " " .....	Dec 1, 1924	"	1,000.00	.....
" " " .....	Dec. 1, 1925	"	1,000.00	\$8,000.00
Sewerage Loan .....	Feb. 1, 1921	Taxes	500.00	.....
" " .....	June 1, 1921	"	1,000.00	.....
" " .....	Aug. 1, 1921	S. F.	23,000.00	.....
" " .....	Sep. 1, 1921	Taxes	500.00	.....
" " .....	Nov. 1, 1921	"	500.00	.....
" " .....	Dec. 1, 1921	"	500.00	.....
" " .....	Feb. 1, 1922	"	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	.....

**BONDS OUTSIDE DEBT LIMIT—Continued**

LOANS	Due	How Payable	Amount	Total Outstanding
Sewerage Loan	Nov. 1, 1926	Taxes	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	
" "	June 1, 1928	"	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	

## BONDS OUTSIDE DEBT LIMIT—Continued

LOANS	Due	How Payable	Amount	Total Outstanding
Sewerage Loan .....	June 1, 1938	Taxes	\$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	.....
" " .....	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	\$242,000.00
Sewerage Loan (1920) .....	June 1, 1921	Taxes	1,000.00	.....
" " " .....	June 1, 1922	"	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	\$15,000.00
Harbor Loan .....	Oct. 1, 1921	"	2,000.00	.....
" " .....	Oct. 1, 1922	"	2,000.00	.....
" " .....	Oct. 1, 1923	"	2,000.00	.....
" " .....	Oct. 1, 1924	"	2,000.00	.....
" " .....	Oct. 1, 1925	"	2,000.00	\$10,000.00

**BONDS OUTSIDE DEBT LIMIT—Continued**

LOANS	Due	How Pay-able	Amount	Total Outstanding
City Hall .....	Jan. 3, 1921	Taxes	\$10,000.00	.....
“ “ .....	Jan. 3, 1922	“	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	\$180,000.00
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, 1921	Taxes	1,500.00	.....
“ “ .....	Aug. 1, 1922	“	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	.....
“ “ .....	Aug. 1, 1940	“	1,000.00	.....
“ “ .....	Aug. 1, 1941	“	1,000.00	.....
“ “ .....	Aug. 1, 1942	“	1,000.00	\$37,000.00



## BONDS OUTSIDE DEBT LIMIT—Continued

LOANS	Due	How Pay-able	Amount	Total Outstanding
School Loan (1912)	July 1, 1920	Taxes	\$2,000.00	
" " "	Jan. 1, 1921	"	5,000.00	
" " "	July 1, 1921	"	5,000.00	
" " "	Jan. 1, 1922	"	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	\$127,000.00
Junior High School	July 5, 1921	Taxes	6,250.00	
" " "	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	\$100,000.00
School Loan (1919)	July 1, 1921	Taxes	3,000.00	
" " "	July 1, 1922	"	3,000.00	
" " "	July 1, 1923	"	3,000.00	
" " "	July 1, 1924	"	3,000.00	

**BONDS OUTSIDE DEBT LIMIT—Continued**

LOANS	Due	How Payable	Amount	Total Outstanding
School Loan (1919) . . . . .	July 1, 1925	Taxes	\$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	\$47,000.00
Street Loan (1919) . . . . .	June 1, 1921	Taxes	6,000.00	.....
“ “ “ . . . . .	July 1, 1921	“	7,000.00	.....
“ “ “ . . . . .	June 1, 1922	“	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	\$92,000.00
Total bonds outstanding Outside Debt Limit.....				\$970,000.00

## BONDS WITHIN DEBT LIMIT

LOANS	Due	How Payable	Amount	Total Outstanding
Playground Loan (1914) . . .	May 15, 1921	Taxes	\$2,000.00	.....
“ “ “ . . .	May 15, 1922	“	2,000.00	.....
“ “ “ . . .	May 15, 1923	“	2,000.00	.....
“ “ “ . . .	May 15, 1924	“	2,000.00	\$8,000.00
School of 1912 . . . . .	July 1, 1921	Taxes	1,000.00	.....
“ “ “ . . . . .	July 1, 1922	“	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	\$12,000.00
Junior High School (1916) . . .	Oct. 2, 1921	Taxes	3,800.00	.....
“ “ “ “ . . .	Oct. 2, 1922	“	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	\$52,300.00
Junior High School additional (1918) . . . . .	Oct. 1, 1921	Taxes	2,000.00	.....
“ “ “ “ . . . . .	Oct. 1, 1922	“	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	.....

BONDS WITHIN DEBT LIMIT—Continued

LOANS	Due	How Pay-able	Amount	Total Outstanding
Junior High School additional (1918) .....	Oct. 1, 1930	Taxes	\$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	.....
“ “ “ “	Oct. 1, 1936	“	2,000.00	.....
“ “ “ “	Oct. 1, 1937	“	2,000.00	.....
“ “ “ “	Oct. 1, 1938	“	2,000.00	\$36,000.00
Junior High School (1919) ..	Apr. 1, 1921	Taxes	1,000.00	.....
“ “ “ “ ..	Apr. 1, 1922	“	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	\$7,400.00
Original Equipment 1918				
Junior High School ....	June 1, 1921	Taxes	1,000.00	.....
“ “ “ “	June 1, 1922	“	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	\$13,000.00
School Loan (1911) .....	Sep. 1, 1921	Taxes	4,000.00	.....
“ “ “ “ .....	Sep. 1, 1922	“	4,000.00	.....
“ “ “ “ .....	Sep. 1, 1923	“	4,000.00	.....
“ “ “ “ .....	Sep. 1, 1924	“	4,000.00	.....
“ “ “ “ .....	Sep. 1, 1925	“	4,000.00	.....
School Loan (1911) .....	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	\$42,000.00

## BONDS WITHIN DEBT LIMIT—Continued

LOANS	Due	How Payable	Amount	Total Outstanding
<b>School Loan (1919)</b>				
Portable .....	Aug. 1, 1921	Taxes	\$1,000.00	.....
" " " .....	Aug. 1, 1922	"	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	\$8,000.00
<b>High Schoolhouse Addition (1912)</b>				
.....	Jan. 1, 1921	Taxes	1,250.00	.....
" " " .....	Sep. 1, 1921	"	1,000.00	.....
" " " .....	Jan. 1, 1922	"	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	\$25,000.00
<b>High School Original Equipment</b>				
.....	July 1, 1920	Taxes	1,000.00	.....
" " " .....	July 1, 1921	"	1,500.00	.....
" " " .....	July 1, 1922	"	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	\$10,000.00
<b>Hancock Avenue Schoolhouse</b>				
.....	June 1, 1921	Taxes	3,000.00	.....
" " " .....	July 1, 1921	"	250.00	.....
" " " .....	Sep. 1, 1921	"	250.00	.....

BONDS WITHIN DEBT LIMIT—Continued

LOANS	Due	How Pay-able	Amount	Total Outstanding
Hancock Avenue School-house	June 1, 1922	Taxes	\$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	
" " "	June 1, 1928	"	1,600.00	
" " "	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	\$36,250.00
Hancock Schoolhouse (1916)	Oct. 10, 1921	Taxes	500.00	\$500.00
Osgood Schoolhouse	Mar. 15, 1921	Taxes	\$1,500.00	
" " "	Mar. 15, 1922	"	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	

## BONDS WITHIN DEBT LIMIT—Continued

LOANS	Due	How Payable	Amount	Total Outstanding
Osgood Schoolhouse .....	Mar. 15, 1933	Taxes	\$1,000.00	.....
“ “ .....	Mar. 15, 1934	“	1,000.00	.....
“ “ .....	Mar. 15, 1935	“	1,000.00	.....
“ “ .....	Mar. 15, 1936	“	1,000.00	\$19,000.00
Osgood Schoolhouse (1917)	June 1, 1921	Taxes	500.00	.....
“ “ “	June 1, 1922	“	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	\$4,500.00
Lincoln Schoolhouse .....	May 1, 1922	S. F.	.....	\$45,000.00
Schoolhouse Improvement Loan .....	May 1, 1927	S. F.	.....	\$14,000.00
Schoolhouse Loan (1908) School Loan (1919)	Aug. 1, 1928	S. F.	.....	\$95,000.00
Portable .....	Nov. 1, 1921	Taxes	1,000.00	.....
“ “ “	Nov. 1, 1922	“	1,000.00	.....
“ “ “	Nov. 1, 1923	“	1,000.00	.....
“ “ “	Nov. 1, 1924	“	1,000.00	.....
“ “ “	Nov. 1, 1925	“	1,000.00	\$5,000.00
Fulton Heights Schoolhouse (1920) .....	June 1, 1921	Taxes	2,000.00	.....
“ “ “	June 1, 1922	“	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	\$25,000.00

**BONDS WITHIN DEBT LIMIT—Continued**

LOANS	Due	How Payable	Amount	Total Outstanding
<b>School Loan (1920)</b>				
Portable .....	Oct. 1, 1921	Taxes	1,000.00	.....
" " "	Oct. 1, 1922	"	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	\$14,000.00
<b>Fulton Heights School-house Additional (1920)</b>	Dec. 1, 1921	Taxes	2,000.00	.....
" " "	Dec. 1, 1922	"	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	\$25,000.00
<b>Public Park Loan (1920)</b>	Oct. 1, 1921	Taxes	1,000.00	.....
" " " "	Oct. 1, 1922	"	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	.....



## BONDS WITHIN DEBT LIMIT—Continued

LOANS	Due	How Payable	Amount	Total Outstanding
Public Park Loan (1920)	Oct. 1, 1936	Taxes	\$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	\$20,000.00
City Stable Loan .....	June 1, 1924	S. F.	.....	\$15,000.00
Surface Drainage Loan...	Mar. 1, 1921	Taxes	\$500.00	.....
" " " " .....	July 1, 1921	"	2,000.00	.....
" " " " .....	Mar. 1, 1922	"	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	.....
" " " " .....	Mar. 1, 1933	"	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	\$17,500.00
Surface Drains (1918)....	Dec. 1, 1920	Taxes	500.00	.....
" " " " .....	Dec. 1, 1921	"	500.00	.....
" " " " .....	Dec. 1, 1922	"	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	\$4,500.00
Surface Drains (1919)....	Aug. 1, 1921	Taxes	500.00	.....
" " " " .....	Aug. 1, 1922	"	500.00	.....
" " " " .....	Aug. 1, 1923	"	500.00	.....
" " " " .....	Aug. 1, 1924	"	500.00	.....
" " " " .....	Aug. 1, 1925	"	500.00	\$2,500.00

BONDS WITHIN DEBT LIMIT—Continued

LOANS	Due	How Payable	Amount	Total Outstanding
Drainage 1912 .....	July 1, 1922	Taxes		\$500.00
Drainage Loan (1916)....	Aug. 3, 1921	Taxes	\$500.00	
“ “ “ .....	Aug. 3, 1922	“	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	\$8,000.00
Sewer Loan (1918) (for sanitary and surface drainage purposes) ....	June 1, 1921	Taxes	500.00	
“ “ “ .....	June 1, 1922	“	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	
“ “ “ .....	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	\$8,000.00
Streets and Drains (1917)	July 1, 1921	Taxes	4,500.00	
“ “ “ “	July 1, 1922	“	4,500.00	\$9,000.00
Sewer Loan (1920).....	Oct. 1, 1921	Taxes	2,000.00	
“ “ “ .....	Oct. 1, 1922	“	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	

## BONDS WITHIN DEBT LIMIT—Continued

LOANS	Due	How Payable	Amount	Total Outstanding
Sewer Loan (1920) .....	Oct. 1, 1928	Taxes	\$1,000.00	.....
“ “ “ .....	Oct. 1, 1929	“	1,000.00	.....
“ “ “ .....	Oct. 1, 1930	“	1,000.00	\$17,000.00
Surface Drains (1920) ...	Oct. 1, 1921	Taxes	1,000.00	.....
“ “ “ ...	Oct. 1, 1922	“	1,000.00	.....
“ “ “ ...	Oct. 1, 1923	“	1,000.00	.....
“ “ “ ...	Oct. 1, 1924	“	1,000.00	\$4,000.00
Surface Drains (1919) ...	July 1, 1921	Taxes	1,000.00	.....
“ “ “ ...	July 1, 1922	“	1,000.00	.....
“ “ “ ...	July 1, 1923	“	1,000.00	.....
“ “ “ ...	July 1, 1924	“	500.00	\$3,500.00
Capen Street Drain.....	Nov. 1, 1921	Taxes	1,000.00	.....
“ “ “ .....	Nov. 1, 1922	“	1,000.00	.....
“ “ “ .....	Nov. 1, 1923	“	1,000.00	\$3,000.00
College Avenue Drain ...	June 1, 1921	Taxes	1,000.00	.....
“ “ “ ...	June 1, 1922	“	1,000.00	.....
“ “ “ ...	June 1, 1923	“	1,000.00	.....
“ “ “ ...	June 1, 1924	“	500.00	\$3,500.00
Original Construction of Streets .....	July 1, 1921	Taxes	1,700.00	.....
“ “ “ .....	July 1, 1922	“	1,700.00	.....
“ “ “ .....	July 1, 1923	“	1,700.00	.....
“ “ “ .....	July 1, 1924	“	1,700.00	\$6,800.00
Original Street Construction (1917) .....	Aug. 1, 1921	Taxes	1,000.00	.....
“ “ “ .....	Aug. 1, 1922	“	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	\$6,000.00
Original Street Construction (1918) .....	Apr. 1, 1921	Taxes	3,500.00	.....
“ “ “ .....	Apr. 1, 1922	“	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	\$28,000.00

BONDS WITHIN DEBT LIMIT—Continued

LOANS	Due	How Payable	Amount	Total Outstanding
Original Street Construction (1919)	Apr. 1, 1921	Taxes	\$4,000.00	
“ “ “	Apr. 1, 1922	“	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	\$34,000.00
Street Construction	Sep. 1, 1921	Taxes	1,000.00	
“ “	Sep. 1, 1922	“	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	\$5,600.00
Street Loan (1916)	Mar. 1, 1921	Taxes	2,900.00	
“ “ “	Mar. 1, 1922	“	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	\$17,400.00
Original Construction Maverick St. and Tyler Ave.	June 1, 1921	Taxes	1,000.00	
“ “ “	June 1, 1922	“	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	\$10,000.00
Original Construction Ship Ave.	July 1, 1921	Taxes	1,000.00	
“ “	July 1, 1922	“	1,000.00	
“ “	July 1, 1923	“	1,000.00	\$3,000.00
Original Street Construction (1920)	Oct. 1, 1921	Taxes	2,000.00	
“ “ “	Oct. 1, 1922	“	2,000.00	
“ “ “	Oct. 1, 1923	“	2,000.00	
“ “ “	Oct. 1, 1924	“	1,000.00	

## BONDS WITHIN DEBT LIMIT—Continued

LOANS	Dur	How Payable	Amount	Total Outstanding
Original Street Construction (1920) .....	Oct. 1, 1925	Taxes	\$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	\$13,000.00
Street Loan (1920) .....	Dec. 1, 1921	Taxes	1,000.00	.....
“ “ “ .....	Dec. 1, 1922	“	1,000.00	.....
“ “ “ .....	Dec. 1, 1923	“	1,000.00	.....
“ “ “ .....	Dec. 1, 1924	“	1,000.00	\$4,000.00
Permanent Pavement (1918) .....	June 1, 1921	Taxes	500.00	.....
“ “ “ .....	June 1, 1922	“	500.00	\$1,000.00
Permanent Pavement (1920) .....	Oct. 1, 1921	Taxes	1,000.00	.....
“ “ “ .....	Oct. 1, 1922	“	1,000.00	.....
“ “ “ .....	Oct. 1, 1923	“	1,000.00	\$3,000.00
Sidewalks (1916) .....	Sep. 1, 1921	Taxes	3,000.00	\$3,000.00
Sidewalks (1917) .....	Aug. 1, 1921	Taxes	6,000.00	.....
“ “ “ .....	Aug. 1, 1922	“	6,000.00	\$12,000.00
Sidewalks (1918) .....	June 1, 1921	Taxes	4,000.00	.....
“ “ “ .....	June 1, 1922	“	4,000.00	.....
“ “ “ .....	June 1, 1923	“	4,000.00	\$12,000.00
Sidewalks (1919) .....	June 1, 1921	Taxes	8,000.00	.....
“ “ “ .....	June 1, 1922	“	8,000.00	.....
“ “ “ .....	June 1, 1923	“	8,000.00	\$24,000.00
Sidewalks (1919) .....	Nov. 1, 1921	Taxes	7,000.00	.....
“ “ “ .....	Nov. 1, 1922	“	7,000.00	.....
“ “ “ .....	Nov. 1, 1923	“	7,000.00	.....
“ “ “ .....	Nov. 1, 1924	“	6,000.00	\$27,000.00
Sidewalks & Edgestones (1919) .....	Dec. 1, 1921	Taxes	2,000.00	.....
“ “ “ .....	Dec. 1, 1922	“	2,000.00	.....
“ “ “ .....	Dec. 1, 1923	“	500.00	\$4,500.00
Fire Station Loan .....	July 1, 1921	Taxes	600.00	.....
“ “ “ .....	July 1, 1922	“	600.00	.....
“ “ “ .....	July 1, 1923	“	600.00	.....

BONDS WITHIN DEBT LIMIT—Continued

LOANS	Due	How Payable	Amount	Total Outstanding
Fire Station Loan	July 1, 1924	Taxes	\$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	\$7,200.00
Fire Loan (1917)	Apr. 1, 1921	Taxes	2,000.00	
" " "	Apr. 1, 1922	"	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	\$30,000.00
Fire Loan (1918)	Dec. 1, 1921	Taxes	500.00	
" " "	Dec. 1, 1922	"	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	\$4,500.00
Municipal Loan	Dec. 1, 1921	Taxes	5,000.00	
" " "	Dec. 1, 1922	"	5,000.00	
" " "	Dec. 1, 1923	"	5,000.00	\$15,000.00
Departmental Equipment	Aug. 1, 1921	Taxes	2,000.00	\$2,000.00
Departmental Equipment (1917)	July 1, 1921	Taxes	1,700.00	
" " "	July 1, 1922	"	1,700.00	\$3,400.00

**BONDS WITHIN DEBT LIMIT—Continued**

LOANS	Due	How Payable	Amount	Total Outstanding
Additional Departmental Equipment (1920) ....	Oct. 1, 1921	Taxes	8,000.00	.....
“ “ “ “ .....	Oct. 1, 1922	“	8,000.00	.....
“ “ “ “ .....	Oct. 1, 1923	“	8,000.00	.....
“ “ “ “ .....	Oct. 1, 1924	“	8,000.00	.....
“ “ “ “ .....	Oct. 1, 1925	“	6,000.00	\$38,000.00
Playground Equipment...	Aug. 10, 1921	Taxes	\$500.00	\$500.00
Police Dept. Equipment..	Aug. 5, 1921	Taxes	\$350.00	\$350.00
War Loan (1917) .....	June 1, 1921	Taxes	1,500.00	.....
“ “ “ “ .....	June 1, 1922	“	1,500.00	\$3,000.00
War Emergency (1918)...	Dec. 1, 1920	Taxes	1,000.00	.....
“ “ “ “ .....	Apr. 1, 1921	“	1,500.00	.....
“ “ “ “ .....	Dec. 1, 1921	“	1,000.00	.....
“ “ “ “ .....	Apr. 1, 1922	“	1,500.00	.....
“ “ “ “ .....	Apr. 1, 1923	“	1,500.00	\$6,500.00
War Memorial (1919) .....	May 1, 1921	Taxes	1,000.00	.....
“ “ “ “ .....	May 1, 1922	“	1,000.00	.....
“ “ “ “ .....	May 1, 1923	“	1,000.00	.....
“ “ “ “ .....	May 1, 1924	“	1,000.00	\$4,000.00
Total bonds outstanding Within Debt Limit.....				\$941,700.00

NOTES

All at 4 per cent per annum.

	Due	How Payable	Amount	Total Each Year
No. 7 Original Construction of Streets	May 1, 1921	Taxes	\$600.00	
" 109 .....	May 1, 1921	S. F.	1,200.00	
" 7 High School Equipment .....	June 1, 1921	Taxes	200.00	
" 122 .....	May 1, 1921	"	500.00	
Sidewalks .....	Aug. 1, 1921	"	7,000.00	
" 7 Wellington Road..	Dec. 1, 1921	"	500.00	\$10,000.00
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



## REPORT OF CITY AUDITOR

## NOTES—Continued

	Due	How Payable	Amount	Total Each Year
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..				\$78,200.00
Outside Debt limit (Nos. 35 & 36) .....				\$ 15,000.00
Within Debt limit .....				\$ 63,200.00

### NOTES IN ANTICIPATION OF REVENUE

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Dated	May	7, 1920	Due	Jan. 15, 1921.....	\$50,000.00
"	June	8, 1920	"	Feb. 15, 1921.....	50,000.00
"	June	8, 1920	"	Mar. 15, 1921.....	50,000.00
"	June	8, 1920	"	Apr. 15, 1921.....	50,000.00
"	June	29, 1920	"	May 13, 1921.....	50,000.00
"	June	29, 1920	"	June 15, 1921.....	100,000.00
"	July	22, 1920	"	July 5, 1921.....	50,000.00
"	Sept.	17, 1920	"	Aug. 5, 1921.....	50,000.00
					\$450,000.00

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#### Debt Authorized But Not Issued Before Jan. 1, 1921

Sewer Construction .....	\$10,000.00
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### 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.

## CONDENSED STATEMENT OF DEBT AND SINKING FUNDS

	Issued Under Chap. Acts of		Out- standing	Sinking Fund
Notes Nos. 35 & 36 issued for Water Purposes		Outside Debt Limit	\$15,000.00	
Water Fund	98 1893	" " "	73,000.00	\$93,276.47
Sewerage Loan	{ 180 1893 296 1909 306 1913	" " "	257,000.00	149,226.02
Public Playground Loan	{ 28 1912 176 1898	" " "	37,000.00	9,000.00
Park Loan	{ 338 1902 325 1902	" " "	32,000.00	32,000.00
Metropolitan Park Assessment	100 1912	" " "	27,000.00	16,243.49
School Loan of 1912	486 1913	" " "	127,000.00	
City Hall 1913	370 1916	" " "	160,000.00	
Junior High School 1916	80 1919	" " "	100,000.00	
Street 1919	45 1919	" " "	92,000.00	
School 1919	{ 1237 1919 162 1919	" " "	47,000.00	
Harbor	719 1913	" " "	10,000.00	
Water Mains Extension		" " "	8,000.00	
Public Park 1920	719 1913	Within Debt Limit	20,000.00	
School 1912		" " "	12,000.00	
Playground		" " "	8,000.00	
Junior High School		" " "	32,300.00	
Junior High School 1918		" " "	36,000.00	
Junior High School 1919		" " "	7,400.00	
Original Equipment Junior High School		" " "	13,000.00	
School 1911		" " "	42,000.00	
School (Portable) 1919		" " "	8,000.00	
School (Portable) 1919		" " "	5,000.00	
School, Fulton Heights, 1920		" " "	25,000.00	
School (Portable) 1920		" " "	14,000.00	
High School Addition 1912		" " "	25,000.00	
High School Original Equipment		" " "	10,000.00	
Hancock Ave. School, 1915 & 1916		" " "	36,250.00	
Hancock Ave. School 1916		" " "	500.00	
Osgood School 1916		" " "	19,000.00	
Osgood School 1917		" " "	4,500.00	
Lincoln Schoolhouse		" " "	45,000.00	42,555.92
Schoolhouse Improvement		" " "	14,000.00	8,690.42
Schoolhouse 1908		" " "	95,000.00	55,889.63
Additional Fulton Heights School		" " "	25,000.00	
City Stable		" " "	15,000.00	12,179.66
Surface Drainage		" " "	17,500.00	
Surface Drains, 1918		" " "	4,500.00	
Surface Drains, 1919		" " "	2,500.00	
Drainage, 1912		" " "	500.00	
Drainage 1916		" " "	8,000.00	
Sewer (drainage purposes) 1918		" " "	8,000.00	
Streets and Drains, 1917		" " "	9,000.00	
Sewer (Sanitary) 1920		" " "	17,000.00	
Surface Drains, 1920		" " "	4,000.00	
Surface Drainage, 1919		" " "	3,500.00	
Capen St. Drain, 1919		" " "	3,000.00	
College Ave. Drain, 1920		" " "	3,500.00	
Original Construction of Streets, 1914		" " "	6,800.00	

CONDENSED STATEMENT OF DEBT AND SINKING FUNDS—Continued

	Issued Under Chap. Acts of		Out- standing	Sinking Fund
Original Street Construction 1917 .....		Within Debt Limit	6,000.00	
Original Street Construction 1918 .....		" " "	28,000.00	
Original Street Construction 1919 .....		" " "	34,000.00	
Street Construction .....		" " "	5,600.00	
Street Loan, 1916.....		" " "	17,400.00	
Original Construction Mav- erick St. & Tyler Ave.....		" " "	10,000.00	
Original Construction Ship Avenue .....		" " "	3,000.00	
Original Street Construction 1920 .....		" " "	13,000.00	
Street Loan 1920.....		" " "	4,000.00	
Sidewalks 1916 .....		" " "	3,000.00	
Sidewalks 1917 .....		" " "	12,000.00	
Sidewalks 1918 .....		" " "	12,000.00	
Sidewalks 1919 .....		" " "	24,000.00	
Sidewalks and Edgestones 1919 .....		" " "	4,500.00	
Sidewalks 1919 .....		" " "	27,000.00	
Fire Station .....		" " "	7,200.00	
Fire Loan 1917 .....		" " "	30,000.00	
Fire Loan 1918 .....		" " "	4,500.00	
Municipal Loan .....		" " "	15,000.00	
Departmental Equipment 1915 and 1916.....		" " "	2,000.00	
Departmental Equipment 1917		" " "	3,400.00	
Additional Departmental Equipment .....		" " "	38,000.00	
Playground Equipment .....		" " "	500.00	
Police Dept. Equipment.....		" " "	350.00	
War Loan 1917 .....		" " "	3,000.00	
War Emergency 1918.....		" " "	6,500.00	
War Memorial 1919.....		" " "	4,000.00	
Permanent Pavement 1918...		" " "	1,000.00	
Permanent Pavement 1920...		" " "	3,000.00	
All notes except Nos. 35 & 36		" " "	63,200.00	43,786.20
			<u>\$1,989,900.00</u>	<u>\$462,797.81</u>
Debt Outside Debt Limit .....			\$889,000.00	
Sinking Fund Applicable.....			<u>206,469.51</u>	
Net Debt Outside Debt Limit.....				\$682,530.49
Debt Within Limit .....			\$1,004,900.00	
Sinking Funds Applicable.....			<u>163,051.83</u>	
Net Debt Within Debt Limit .....				\$841,848.17
Total General Debt.....				<u>\$1,524,378.66</u>
Public Service Enterprise Debt .....			\$96,000.00	
Sinking Fund .....			<u>93,276.47</u>	
				<u>\$2,723.53</u>
Total Net Debt.....				<u>\$1,527,102.19</u>

## DEBT DUE IN 1921

	Date	Payable from Sink- ing Funds	Payable by Taxation
School of 1912 .....	Past due		\$2,000.00
High School Original Equipment.....	"		1,000.00
Surface Drains .....	"		500.00
Fire .....	"		500.00
War Emergency .....	"		1,000.00
School of 1912 .....	Jan.		5,000.00
High School Addition .....	"		1,250.00
City Hall .....	"		10,000.00
Water .....	"	\$3,000.00	
Sewerage .....	Feb.		500.00
Surface Drainage .....	Mar.		500.00
Street Construction .....	"		2,900.00
Osgood School .....	"		1,500.00
Fire Department Loan .....	Apr.		2,000.00
Original Street Construction..... (2 issues) .....	"		7,500.00
Junior High School .....	"		1,000.00
War Emergency .....	"		1,500.00
Playground .....	May		2,000.00
Note No. 7, Original Construction of Streets .....	"		600.00
Note No. 122 .....	"		500.00
Note No. 109 .....	"	1,200.00	
War Memorial .....	"		1,000.00
Osgood School .....	June		500.00
Junior High School .....	"		1,000.00
School 1920 .....	"		2,000.00
War Emergency .....	"		1,500.00
Sewerage (3 issues) .....	"		2,000.00
Sidewalk (2 issues) .....	"		12,000.00
Street (2 issues) .....	"		6,000.00
Permanent Pavement .....	"		500.00
Note No. 7, High School Equipment .....	"		200.00
Hancock Avenue School .....	"		3,000.00
Surface Drainage .....	"		1,000.00
Sewer (sanitary) .....	"		500.00
Original Street Construction .....	"		1,000.00
Street .....	July		7,000.00
Junior High School .....	"		6,250.00
School 1919 .....	"		3,000.00
School 1912 .....	"		5,000.00
Water .....	"	15,000.00	
Fire Station .....	"		600.00
Surface Drainage (3 issues) .....	"		3,000.00
Original Construction of Streets.....	"		1,700.00
Original Street (Ship Ave.).....	"		1,000.00
Streets and Drains .....	"		4,500.00
School of 1912 .....	"		1,000.00

## DEBT DUE IN 1921—Continued

	Date	Payable from Sink- ing Funds	Payable by Taxation
High School Original Equipment.....	July		1,500.00
Hancock Avenue School .....	"		250.00
Departmental Equipment .....	"		1,700.00
Note Nos. 29 to 35, Sidewalks.....	Aug.		7,000.00
Sewerage .....	"	23,000.00	
Public Playground .....	"		1,500.00
Police Department Equipment.....	"		350.00
Drainage 1916 .....	"		500.00
Surface Drains .....	"		500.00
Original Street Construction.....	"		1,000.00
Sidewalk 1917.....	"		6,000.00
School .....	"		1,000.00
Additional Departmental Equipment.....	"		2,000.00
Playground Equipment .....	"		500.00
Sewerage .....	Sept.		500.00
Street Construction .....	"		1,000.00
Sidewalk .....	"		3,000.00
School 1911 .....	"		4,000.00
High Schoolhouse Add. ....	"		1,000.00
Hancock Avenue School .....	"		250.00
Public Park .....	Oct.		1,000.00
Harbor .....	"		2,000.00
Surface Drainage 1920.....	"		1,000.00
Sewer (sanitary) .....	"		2,000.00
Original Street Construction 1920.....	"		2,000.00
Pavement .....	"		1,000.00
Hancock Avenue School .....	"		500.00
Junior High School .....	"		2,000.00
Junior High School .....	"		3,800.00
School 1920 .....	"		1,000.00
Additional Departmental Equipment.....	"		8,000.00
Sewerage .....	Nov.		500.00
Surface Drainage .....	"		1,000.00
Sidewalk 1919 .....	"		7,000.00
School 1919 .....	"		1,000.00
Sewerage .....	Dec.		500.00
Water Main Extensions.....	"		2,000.00
Fire Department Loan .....	"		500.00
Surface Drainage .....	"		500.00
Sidewalk 1919 .....	"		2,000.00
Municipal .....	"		5,000.00
War Emergency .....	"		1,000.00
Additional Fulton Heights School.....	"		2,000.00
Street .....	"		1,000.00
Note No. 7, Wellington Road.....	"		500.00
		\$42,200.00	\$189,350.00

**BALANCE SHEET, SINKING FUNDS, TRUST FUNDS  
AND DEBT—Dec. 31, 1920**

General Loan Sinking Funds, outside .....	\$206,469.51	
Water Loan Sinking Fund, outside .....	93,276.47	
Net Funded General Debt, outside .....	702,530.49	
Net Funded Water Debt, outside .....	2,723.53	
General Loan Sinking Fund, within .....	163,051.83	
Net Funded General Debt, within .....	821,848.17	
City Hall Loan, outside .....		\$160,000.00
Sewerage Loan, outside.....		10,000.00
“ “ “ .....		10,000.00
“ “ “ .....		78,000.00
“ “ “ .....		61,000.00
“ “ “ .....		30,000.00
“ “ “ .....		6,000.00
“ “ “ .....		6,500.00
“ “ “ .....		11,500.00
“ “ “ .....		12,000.00
“ “ “ .....		13,000.00
“ “ “ .....		4,000.00
“ “ “ .....		15,000.00
Street Loan, 1919, outside .....		58,000.00
Street Loan, 1919, outside .....		30,000.00
Street Loan, outside.....		4,000.00
School Loan, outside.....		62,000.00
“ “ “ .....		65,000.00
“ “ “ .....		100,000.00
“ “ “ .....		47,000.00
Park Loan, outside .....		12,000.00
“ “ “ .....		20,000.00
“ “ “ .....		20,000.00

Public Playground, outside.....	\$9,000.00
"    "    "    .....	28,000.00
Metropolitan Park Assessment, outside .....	27,000.00
Water Loan .....	25,000.00
"    "    .....	7,000.00
"    "    .....	25,000.00
"    "    .....	16,000.00
"    "    .....	15,000.00
Water Mains .....	8,000.00
Harbor Loans .....	10,000.00
Police Department Equipment Loan .....	350.00
Fire Station Loan .....	7,200.00
Fire Department Loan .....	30,000.00
Fire Department Loan .....	4,500.00
Magoun Ave. and Pembroke St. Drain .....	1,200.00
Surface Drainage Loan, 1912....	1,500.00
Drainage Loan .....	500.00
Surface Drainage Loan .....	9,000.00
Surface Drainage Loan .....	7,000.00
Surface Drainage Loan .....	4,000.00
Drainage Loan .....	8,000.00
Surface Drainage Loan .....	4,500.00
Surface Drains, 1919.....	3,500.00
Surface Drains, 1919 .....	3,000.00
Surface Drains, 1920 .....	3,500.00
Sewer Loans, 1920 .....	17,000.00
Sewer Loan .....	8,000.00
Surface Drain Loans .....	2,500.00
Original Construction of Streets.	6,800.00
Original Construction of Streets.	2,400.00
Wellington Road Loan .....	2,000.00



Street Construction .....	\$17,400.00
“ “ .....	5,600.00
“ “ .....	6,000.00
“ “ .....	28,000.00
“ “ .....	34,000.00
“ “ .....	10,000.00
“ “ .....	13,000.00
“ “ .....	3,000.00
“ “ .....	4,000.00
Permanent Pavement Loan .....	1,000.00
Permanent Pavement Loan .....	3,000.00
City Stable Loan .....	15,000.00
Street and Drains Loan .....	9,000.00
Brick and Granolithic Sidewalk ..	6,000.00
Sidewalk Loan, 1916 .....	7,000.00
Sidewalk Loan, 1916 .....	3,000.00
Sidewalk Loan, 1917 .....	12,000.00
Sidewalk Loan, 1918 .....	12,000.00
Sidewalk Loan, 1919 .....	24,000.00
Sidewalk Loan, 1919 .....	4,500.00
Sidewalk Loan, 1919 .....	27,000.00
Lincoln Schoolhouse Loan .....	45,000.00
Schoolhouse Improvement Loan ..	14,000.00
Land on George Street .....	7,000.00
Land Adjacent High School Lot ..	12,000.00
Schoolhouse Loan, 1908 .....	95,000.00
Schoolhouse, 1911 .....	42,000.00
Schoolhouse, 1912 .....	12,000.00
High School Addition Loan .....	17,500.00
High School Addition Loan ....	7,500.00
High School Equipment .....	800.00
High School Equipment .....	10,000.00
Hancock Ave. School Loan .....	1,250.00
Hancock Ave. School Loan .....	31,000.00
Hancock Ave. School Loan .....	4,000.00
Hancock Ave. School Loan .....	500.00
Osgood School Loan .....	19,000.00

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Osgood School Loan .....	\$4,500.00	
Swan Junior High School Loan..	52,300.00	
Swan Junior High School Loan..	36,000.00	
Swan Junior High School Loan..	13,000.00	
Swan Junior High School Loan..	7,400.00	
Additional Fulton Heights School Loan .....	25,000.00	
School Loan .....	8,000.00	
School Loan .....	5,000.00	
School Loan .....	25,000.00	
School Loan, 1920 .....	14,000.00	
Coupon Notes .....	1,000.00	
Coupon Notes .....	13,800.00	
Municipal Loans .....	10,000.00	
Municipal Loan .....	15,000.00	
War Emergency Loan .....	3,000.00	
War Emergency Loan .....	2,000.00	
War Emergency Loan .....	4,500.00	
Additional Departmental Equip- ment .....	2,000.00	
Departmental Equipment Loan..	3,400.00	
Additional Departmental Equip- ment .....	38,000.00	
War Memorial Loan .....	4,000.00	
Playground Loan .....	8,000.00	
Playground Equipment Loan....	500.00	
	<hr/>	<hr/>
	\$1,989,900.00	\$1,989,900.00

**TRUST FUNDS**

Trust Funds, Cash and Securi- ties .....	\$85,507.42	
Perpetual Care funds .....		\$58,096.74
Trust Funds .....		16,158.68
Bradbury Poor Fund .....		11,252.00
	<hr/>	<hr/>
	\$85,507.42	\$85,507.42

**PUBLIC PROPERTY**

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**Assessors' Valuation, April 1, 1920  
(Real Estate)**

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**Ward 1**

Franklin Schoolhouse .....	\$75,000.00
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.	23,050.00
S. part lot 79 Sheridan avenue.....	700.00
Total of Ward 1.....	
	\$120,250.00

**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
19,750 feet land, lot 7, 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 Washing- ton 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

5,320 feet land, Paris street.....	\$650.00
800 feet land, Paris street .....	100.00
3,837 feet land, Fellsway West .....	100.00
House, 257 Fulton street .....	500.00
5,696 feet land, Fulton street .....	450.00
Lot 1, Winslow avenue, 6,075 feet .....	50.00
5,723 feet land, Winslow avenue, lot 2.....	100.00
4,794 feet land, Winslow avenue, lot 14.....	100.00
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
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Total Ward 2 .....	\$454,300.00

**Ward 3**

36,040 feet land, Salem Street Cemetery.....	\$14,400.00
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.....	10,000.00
Brick Developing house .....	7,000.00
Store House .....	300.00

Tay House .....	\$800.00
Studios and annex .....	40,000.00
Tool House .....	300.00
29.60 acres, Fellsway West .....	25,800.00
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 .....	350.00
Center Schoolhouse .....	35,000.00
30,112 ft. land, High St., to Grand View ave..	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 St..	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 St....	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
115.06 acres, Fellsway West.....	50,100.00
Storage shed .....	100.00
Waiting room and tool house .....	1,000.00
33.34 acres, Oak Grove Cemetery, Winthrop street .....	100,000.00
Dwelling, No. 230 Playstead road .....	4,000.00
Storehouse .....	500.00
Stables .....	500.00

3.65 acres, lot 1, Playstead road.....	\$4,750.00
Dwelling in rear .....	1,800.00
3.66 acres, lot 2, in rear Playstead road .....	4,800.00
0.97 acres, Playstead road .....	1,250.00
3.47 acres, lot 3, in rear Playstead road.....	4,550.00
2,883 feet land, Fountain street, lot 3.....	300.00
740 feet land, Bradlee road.....	200.00
18,905 feet land, Governors avenue to Grand View avenue .....	3,800.00
3.48 acres land, Playstead road.....	4,550.00
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Total of Ward 3.....	\$1,274,250.00

## 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.....	5,350.00
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

159,305 feet land, Summer street, corner Rye street .....	\$25,500.00
1,744 feet land, Douglas road .....	350.00
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Total of Ward 4.....	\$468,700.00

**Ward 5**

Two portable schoolhouses .....	\$8,000.00
Lincoln Schoolhouse .....	110,000.00
42,000 feet land, Dartmouth street, between Yale and Harvard streets .....	9,250.00
57,600 feet land, Harvard street .....	10,350.00
.65 acre Marshland, Mystic avenue .....	100.00
Tufts Schoolhouse .....	30,000.00
33,851 feet land, junction of Main and Medford streets .....	10,150.00
277,915 feet land, Tufts Park .....	41,700.00
Brick Engine House .....	15,000.00
7,780 feet land, lots 25 and 26, Medford street, corner Albion street .....	1,950.00
304 feet land, Alfred St., part lot 13.....	50.00
1,077 feet land, Lawn Park, lot 12.....	100.00
1,099 feet land, Lawn Park, lot 11.....	100.00
1,196 feet land, Lawn Park, lot 9.....	100.00
1,219 feet land, Lawn Park, lot 8.....	100.00
2,809 feet land, Leyland St., cor. East Albion St., lot 12 .....	100.00
4,530 feet land, East Albion St., lot 9.....	250.00
	<hr/>
Total Ward 5.....	\$237,300.00

**Ward 6**

5,210 feet land, Park, High street.....	1,550.00
Gleason Schoolhouse .....	10,000.00
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 .....	4,550.00
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.....	2,100.00
Hillside Schoolhouse .....	20,000.00
29,775 feet land, Boston avenue, corner Win- throp street .....	15,000.00
2,000 feet land Jerome street, corner Sherman street .....	250.00
224 feet land, Sharon street .....	50.00
<b>Total of Ward 6 .....</b>	<b>\$170,750.00</b>

**Ward 7**

James Schoolhouse .....	\$48,000.00
58,878 feet land. Spring street, corner Brad- shaw street .....	8,850.00
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 Ave. ....	150.00
720 feet land, Linden St., part lot 38 .....	50.00
<b>Total of Ward 7 .....</b>	<b>\$153,150.00</b>



## Totals by Wards

(All Parks and Cemeteries included)

Ward 1 .....	\$120,250.00
Ward 2 .....	454,300.00
Ward 3 .....	1,274,250.00
Ward 4 .....	468,700.00
Ward 5 .....	237,300.00
Ward 6 .....	170,750.00
Ward 7 .....	153,150.00
	<hr/>
Total .....	\$2,878,700.00
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).....	14,400.00
Hastings Park (Ward 3) .....	14,500.00
Oak Grove Cemetery (Ward 3) .....	100,000.00
Dwelling House, Playstead Road (Ward 3)..	4,000.00
Garage .....	200.00
Stables, Playstead Road (Ward 3).....	500.00
Storehouse .....	500.00
3.65 acres land, lot 1, Playstead Road (Ward 3)	4,750.00
Dwelling House, rear of Playstead Road (Ward 3) .....	1,800.00
3.66 acres, lot 2, in rear Playstead Road (Ward 3) .....	4,800.00
0.97 acres, lot 3, Playstead Road (Ward 3)....	1,250.00
3.47 acres, lot 3, in rear Playstead Road (Ward 3) .....	4,550.00
3.48 acres, lot 4, Playstead Road (Ward 3)....	4,550.00
Brooks Park (Ward 4) .....	3,500.00
Triangle (Ward 6) .....	1,550.00
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	\$180,850.00

City Auditor Arthur E. Crowley has prepared, in several charts, comparative statements of the Expenditures of 1920, and also one showing the Original Budget of April 14, 1921. Charts "A" and "B" are made up from the Expenditures of 1920, less Sinking Fund Payments of Debt and Notes in Anticipation of Revenue.

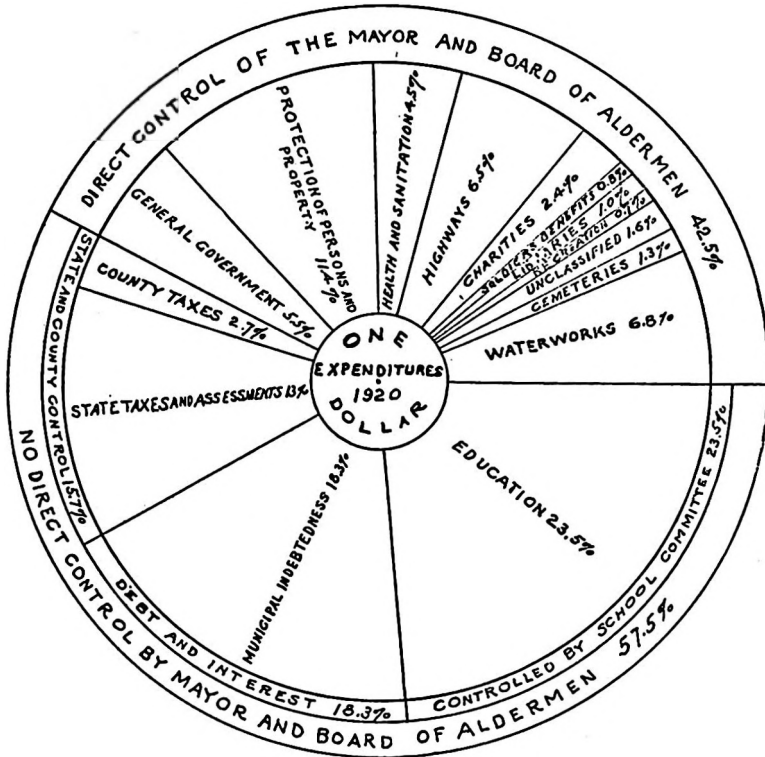
Sinking Fund Payments.....	\$56,100.00
Notes in Anticipation of Revenue.....	700,000.00
Expenditures Chart "A" .....	1,588,024.44
Expenditures Chart "B" .....	353,488.10

Total amount expended as report of  
December 31, 1920..... \$2,697,612.54

Chart "C" shows the comparative statement of the Budget of April 14, 1921, and includes all accounts as in Chart "A," with the exception of Waterworks, for which there is no appropriation.

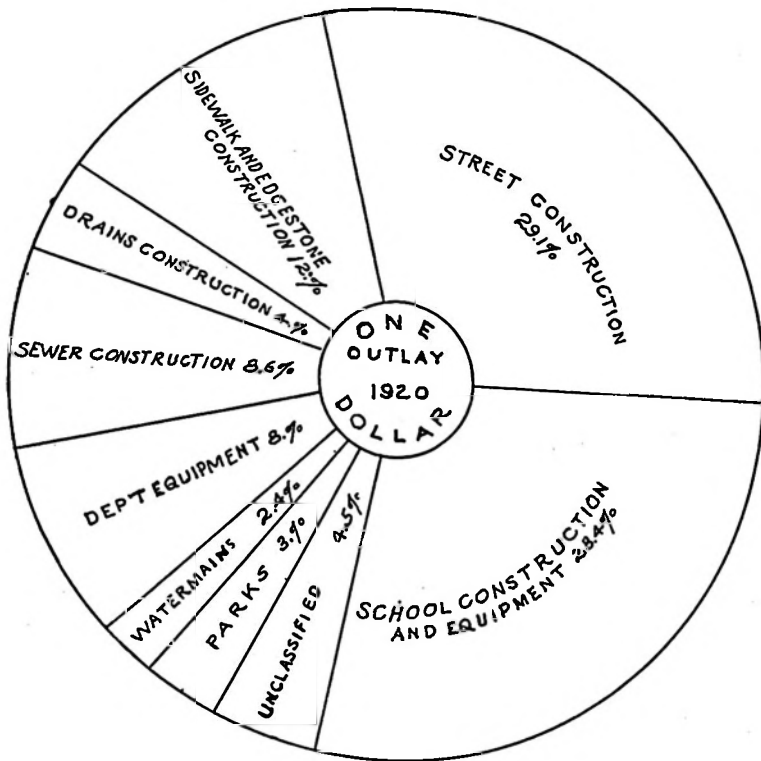
Budget April 14, 1921.....	\$1,309,353.13
State Tax 1921.....	186,092.99
County Tax 1921.....	56,634.86
	<hr/>
	\$1,552,080.98

A Supplementary Budget to be presented later will increase the above amount.



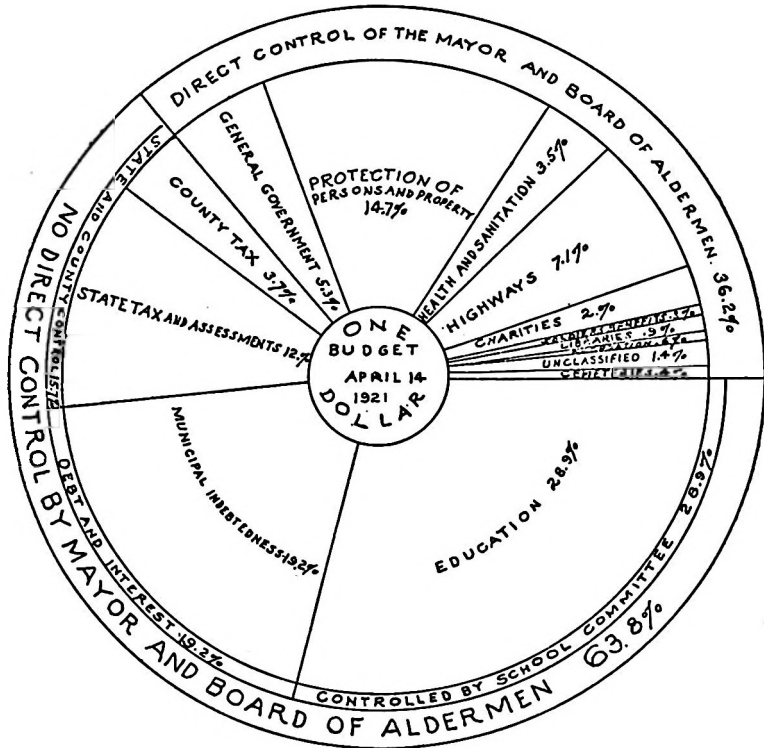
"A"

The above diagram explains the division of expenditures for the year 1920. The total expenditures, from which the above chart was prepared, were \$1,588,024.44.



" B "

The above diagram explains the division of expenditures for work done in 1920 for outlays on money raised by bond issue. The total amount, from which the above chart was prepared, is \$353,488.10.



" C "

The above diagram explains the division of amounts appropriated in original budget of April 14, 1921. The total amount from which this chart was prepared includes budget plus state tax assessments, and county tax for 1921 is \$1,552,080.98.

# 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, 1920:

## WATER LOAN SINKING FUND

### Receipts

1920			
Jan.	1.	Cash on hand .....	\$1,769.88
		Income from invest- ments .....	4,681.83
		Income from bank de- posits .....	32.60
May	1.	Medford bonds paid.	500.00
June	1.	Medford Bonds paid.	500.00
July	1.	Medford bonds paid.	15,000.00
Sept.	1.	Medford bonds paid.	1,000.00
Jan.	1.	Medford bonds paid.	2,000.00
		Chicago bonds paid..	2,000.00
		Minneapolis bonds paid .....	7,000.00
Oct.	15.	Hull bonds paid .....	3,000.00
Jan.	1.	U. S. Certificates paid	3,000.00
Dec.	15.	U. S. Certificates paid	7,000.00
Jan.	5.	Sold to City Stable Loan \$1,000 Medford 4% bonds, due June 1, 1924, and int. also....	1,006.67
Dec.	1.	\$1,000 Medford 4% bond, due June 1, 1924 .....	1,000.00

May 31.	Sold to Perpetual Care Fund, two \$500 Medford 4½% bonds, due June 1, 1925-6....	\$1,000.00	
			\$50,490.98.

**Disbursements**

1920			
Jan. 2.	Paid to City to redeem bonds .....	\$4,000.00	
July 1.	Paid to City to redeem bonds .....	15,000.00	
Jan. 2.	Paid to City income for year 1919 .....	6,166.35	
Feb. 4.	Bought \$7,000 4¾% U. S. Certificates, due Dec. 15, 1920, and int. ....	7,030.89	
June 1.	Bought \$4,000 6% U. S. Certificates, due June 15, 1921, and int.	4,005.90	
Sept. 28.	Bought \$2,000 6% U. S. Certificates, due Sept. 15, 1921, and int.	2,004.24	
Oct. 22.	Bought \$3,000 5¾% U. S. Certificates, due March 15, 1921, and int. ....	3,004.25	
Dec. 21.	Bought \$2,500 6% U. S. Certificates, due June 15, 1921.....	2,502.88	
			\$43,714.51
Jan. 1, 1921.	Cash on hand ....		\$6,776.47

Water funds invested as follows:

Medford four per cent. Water Bonds, due July 1, 1921....	\$13,000.00
Medford four per cent. Water Bonds, due Dec. 1, 1922....	5,000.00
Medford four per cent. Sewer Bonds, due Aug. 1, 1922....	3,000.00
Medford four per cent. bonds, \$500 each, due May 1, 1921-2 .....	1,000.00
Medford four per cent. Water Notes, due Dec. 1, 1926.....	15,000.00
Medford four per cent. Water Bonds, due July 1, 1923....	6,000.00
Medford City Stable four per cent. bonds, due June 1, 1924 .....	2,000.00
Boston & Maine R. R. Co., three and one-half per cent. bonds, Due Nov. 1, 1921.....	4,000.00
Town of Winchester four per cent. bonds, due Dec. 1, 1921	2,000.00
Liberty Loan $4\frac{1}{4}$ per cent. bond, No. 4 .....	1,000.00
Victory Loan $4\frac{3}{4}$ per cent. bonds, No. 5.....	17,000.00
City of Brockton four per cent. bonds, due April 1, 1921....	4,000.00
City of Medford $4\frac{1}{2}$ per cent. bonds, \$500 each, due June, 1921-24 .....	2,000.00
U. S. 6 per cent. Certificates, due June 15, 1921.....	6,500.00



U. S. 6 per cent. Certificates, due Sept. 15, 1921.....	\$2,000.00	
U. S. 5¾ per. cent Certificates, due March 15, 1921.....	3,000.00	
	<hr/>	\$86,500.00
Jan. 1, 1921. Total cash and in- vestments .....		<hr/>
		\$93,276.47

**SEWERAGE LOAN SINKING FUND**

**Receipts**

1920		
Jan.	1. Cash on hand.....	\$616.97
	Income from invest- ments .....	6,367.80
	Income from bank de- posit .....	27.77
	Appropriation from Taxes .....	2,245.00
June	1. Medford bond paid..	200.00
Aug.	1. Medford bond paid..	14,000.00
Nov.	1. Medford bond paid..	1,400.00
Mch.	1. U. S. Certificates paid	17,000.00
Dec.	15 U. S. Certificates paid	5,000.00
Jan.	5. Sold to City Notes Loan \$1,100 Medford 4 per cent. Note due Dec. 1, 1920, and int.	1,107.33
Jan.	5. U. S. Certificates re- deemed with interest.	7,018.07
Feb.	6. Sold to Public Play- ground Loan \$9,000 Medford 4 per cent. bonds, due May 1, 1932, and int.....	9,096.00

July 15.	Sold to Metropolitan Park Assessment Loan \$1,000 West End St. Ry. Co. 4½ per cent. bonds, due July 1, 1930, and int.....	\$1,001.87	
Sept. 1.	Sold to Schoolhouse Improvement Loan \$1,000 Boston & Maine R. R. Co. 4 per cent. bond, due Oct. 1, 1920	1,000.00	
Oct. 11.	Sold to City Notes Loan \$3000 Medford 4 per cent bond, due Sept. 1, 1922, and int..	3,013.66	
Nov. 13	Sold to Metropolitan Park Assessment Loan \$1,000 Boston & Maine R. R. Co. 4 per cent. bond, due Sept. 1, 1926, and int.....	1,003.72	
Dec. 15.	Sold to Schoolhouse Improvement \$1,000 Boston & Maine R. R. Co. 4 per cent bond, due Sept. 1, 1926, and int. ....	1,007.54	
		<hr/>	\$71,105.73

**Disbursements**

Aug. 1.	Paid to City to re- deem bond .....	\$15,000.00
Jan. 5.	Bought \$9,000 Med- ford 4 per cent. bond, due May 1, 1932, @ 94.85 and int.....	8,601.50

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Feb.	1.	Bought \$5,000 U. S. 4¾ per cent. Certifi- cates, due Dec. 15, 1920, and int.....	\$5,025.31
Mch.	19.	Bought \$17,000 U. S. 4¾ Certificates, due March 15, 1921, and int. ....	17,008.78
July	15.	Bought \$3,000 U. S. 5¾ Certificates, due March 15, 1921, and int. ....	3,000.00
Sept.	22.	Bought \$2,000 U. S. 6 per cent. Certificates, due Sept. 15, 1921, and int.....	2,002.28
Oct.	19.	Bought \$2,000 U. S. 5¾ Certificates. due March 15, 1921, and int. ....	2,001.26
Nov.	12.	Bought \$1,000 U. S. 6 per cent. Certificates due June 15, 1921, and int. ....	1,024.59
Dec.	15.	Bought \$9,000 U. S. 6 per cent. Certificates due June 15, 1921, and int. ....	9,000.00
Feb.	5.	Bought of Public Playground Loan \$1,000 Newburyport 4 per cent bond, due June 1, 1932, and int.	1,006.38
		\$4,000 West End St. Ry. Co. 4 per cent. bonds, due Aug. 1, 1932, and int.....	4,002.67

	\$1,000 West End St. Ry. Co. 4½ per cent. bonds, due July 1, 1930, and int.....	\$1,004.50	
Oct. 11.	Bought of City Notes Loan \$2,000 Medford 4 per cent. bonds, due Oct. 1, 1924, and int.	2,002.44	
		<hr/>	\$70,679.71
Jan. 1, 1921.	Cash on hand ....		\$426.02
	Sewerage Loan invested as follows:		
	Medford four per cent. bonds, due Aug. 1, 1922 .....	\$10,000.00	
	City of Medford four per cent. bond, due July 1, 1924.....	1,000.00	
	Medford four per cent. bonds, due June 1, 1921-24.....	800.00	
	Medford four per cent. bonds, due July 1, 1926.....	29,000.00	
	City of Medford four per cent. bond due Oct. 1, 1924.....	3,000.00	
	Marlboro four per cent. bonds, due Sept. 1, 1924.....	3,000.00	
	City of New London four per cent. bonds, due May 1, 1925 .....	2,000.00	
	Boston & Albany R. R. bonds, due May 1, 1935 .....	8,000.00	
	Princeton & Northwestern Ry. Co. three and one-half per cent. bonds, guaranteed by Chicago & Northwestern, due Jan. 1, 1926 .....	10,000.00	
	Am. Tel. & Tel. Co. four per cent. bonds, due July 1, 1929.....	20,000.00	

Boston & Maine Railroad three and one-half per cent. bonds, due Feb. 2, 1925.....	\$5,000.00	
City of Fall River three and one-half per cent. bonds, due July 1, 1924 .....	6,000.00	
Boston & Maine Railroad four per cent. bonds, due Sept. 1, 1926	5,000.00	
Boston Elevated Ry. Co. bonds, four per cent., due May, 1935 .....	2,000.00	
Victory Loan $4\frac{3}{4}$ per cent. bonds	5,000.00	
West End St. Ry. Co. four per cent. bonds, due Aug. 1, 1932 .....	4,000.00	
Newburyport four per cent. bond, due June 1, 1932 .....	1,000.00	
U. S. Certificates $4\frac{3}{4}$ per cent., due March 15, 1921.....	17,000.00	
U. S. Certificates $5\frac{3}{4}$ per cent., due March 15, 1921.....	5,000.00	
U. S. Certificates 6 per cent., due June 15, 1921.....	10,000.00	
U. S. Certificates 6 per cent., due Sept. 15, 1921 .....	2,000.00	
	<hr/>	\$148,800.00
Jan. 1, 1921. Total cash and securities .....		\$149,226.02

**LINCOLN SCHOOLHOUSE LOAN SINKING FUND**

**Receipts**

1920		
Jan. 1.	Cash on hand .....	\$659.00
	Income from Investments .....	1,677.50

	Income from bank deposit .....	\$24.13	
	Appropriation from Taxes .....	1,500.00	
	Transferred from Public Playground Loan..	226.03	
Mch. 15.	U. S. Certificates paid	3,000.00	
June. 15.	U. S. Certificates paid	2,000.00	
Apr. 15.	Sold to Schoolhouse Improvement Loan \$1,000 U. S. Liberty Loan bond 4 $\frac{1}{4}$ per cent. ....	1,000.00	
		<hr/>	\$10,086.66

Disbursements

Mch. 19.	Bought \$3,000.00 U. S. 4 $\frac{3}{4}$ per cent. Certificate, due March 15, 1921, and int.....	\$3,001.56	
June 23.	Bought \$4,000 U. S. 6 per cent. Certificate, due June 15, 1921, and int. ....	4,004.59	
Nov. 12.	Bought \$1,000 U. S. 6 per cent. Certificate, due June 15, 1921, and int. ....	1,024.59	
Dec. 15.	Bought \$2,000 U. S. 6 per cent Certificates, due June 15, 1921, and int. ....	2,000.00	
		<hr/>	\$10,030.74
Jan. 1, 1921.	Cash on hand, deposited in National Shawmut Bank .....		\$55.92

Lincoln Schoolhouse Loan Funds invested  
as follows:

Town of Wakefield 4 per cent. bonds, due Oct. 1, 1921.....	\$2,000.00	
Town of Athol 4 per cent. bonds, due Aug. 1, 1921 .....	2,000.00	
City of Boston 3½ per cent. bonds, due June 1, 1922.....	2,000.00	
City of Salem. 3½ per cent. bonds, due Sept. 1, 1922.....	2,000.00	
Town of Winchester 3½ per cent. bonds, due Oct. 1, 1921.....	2,000.00	
City of Boston 4 per cent. bonds, due Jan. 1, 1921.....	2,000.00	
City of Medford 4 per cent. note, due Oct. 1, 1922.....	6,500.00	
City of Medford 4 per cent. bonds, due May 1, 1922 .....	10,000.00	
Victory Loan No. 5, 4¾ per cent. bonds, due May 20, 1923....	4,000.00	
U. S. Certificates 4¾ per cent., due March 15, 1921.....	3,000.00	
U. S. Certificates 6 per cent., due June 15, 1921 .....	7,000.00	
	<hr/>	\$42,500.00
Jan. 1, 1921. Total cash and in- vestments .....		<hr/> \$42,555.92

### PUBLIC PLAYGROUND LOAN SINKING FUND

#### Receipts

1920		
Jan. 1.	Cash on hand.....	\$584.36
	Income from Invest- ments .....	486.50
	Income from bank de- posit .....	2.25

Jan.	31.	Sold to Park Loan Account \$2,000 Medford 4 per cent. bonds, due July 1, 1932, and int. ....	\$2,006.67	
		Sold to Schoolhouse Improvement Loan \$1,000 U. S. 4½% Certificates, due March 15, 1920, and int.....	1,024.37	
		Sold to Perpetual Care Fund \$600 Medford 4 per cent. bond, due July 1, 1932, and int...	602.00	
Feb.	6.	Sold to Sewerage Loan \$1,000 Newburyport 4 per cent. bond, due June 1, 1932, and int..	1,006.28	
		Also \$4,000 West End St. Ry 4 per cent. bond, due Aug. 1, 1932, and int. ....	4,002.67	
		\$1,000 West End St. Ry 4½ per cent. bond, due July 1, 1930, and int. ....	1,004.50	
		Sold to Perpetual Care Fund \$600 Medford 4 per cent. bond, due July 1, 1931, and Int.	602.33	
			<hr/>	\$11,322.03

Disbursements

Jan.	31.	Bought of Park Loan \$2,000 West End St. Ry. 4 per cent. bond, due Aug. 1, 1932.....	\$2,000.00
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Feb. 6.	Bought of Sewerage Loan \$9,000 Medford 4 per cent. bonds, due May 1, 1932, and int.	\$9,096.00	
Nov. 9.	Transferred to Lincoln Schoolhouse Loan	226.03	
		<hr/>	\$11,322.03
			<hr/>
1921			
Jan. 1.	Cash on hand.....		.00
	Public Playground Loan invested as follows:		
	City of Medford 4 per cent. bonds, due May 1, 1932.....		\$9,000.00
			<hr/>
Jan. 1, 1921.	Total cash and Securities .....		\$9,000.00

**SCHOOLHOUSE LOAN 1908 SINKING FUND**

**Receipts**

1920			
Jan. 1.	Cash on hand .....	\$102.98	
	Income from Investments .....	2,195.00	
	Income from bank deposit .....	18.86	
	Appropriation from Taxes .....	2,600.00	
Mch. 15.	U. S. Certificates paid	1,000.00	
		<hr/>	\$5,916.84

**Disbursements**

June 23.	Bought \$2,000 U. S. 6 per cent Certificate, due June 15, 1921, and int. ....	\$2,002.62
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Nov	12.	Bought \$1,000 U. S. 6 per cent. Certificate, due June 15, 1921, and int. ....	\$1,024.59	
Dec.	15.	Bought \$2,000 U. S. 6 per cent. Certificate, due June 15, 1921, and int. ....	2,000.00	
			<hr/>	\$5,027.21

1921

Jan.	1.	Cash on hand in Na- tional Shawmut Bank.....		\$889.63
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Schoolhouse Loan Funds invested as follows:

Boston and Maine R. R. four and one-half per cent. bonds, due April 1, 1929.....	\$5,000.00
Fitchburg R. R. four and one-half per cent. bonds, due May 1, 1928 .....	4,000.00
Fitchburg R. R. four per cent. bonds, due May 1, 1925.....	20,000.00
Boston and Maine R. R. three and one-half per cent. bonds, due Feb. 2, 1925.....	4,000.00
Am. Tel. & Tel. Co. four per cent. bonds, due July 1, 1929.....	4,000.00
Fitchburg R. R. Co. four and one- half per cent. bond, due Jan. 1, 1933 .....	1,000.00
Milwaukee four and one-half per cent. bond, due Jan. 1, 1928.	3,000.00
Victory Loan 4¾ per cent. bonds, due May 20, 1923.....	4,000.00
City of Medford 4 per cent. bonds, due May 1, 1922.....	5,000.00

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U. S. Certificates 6 per cent., due June 15, 1921 .....	\$5,000.00	
	<hr/>	\$55,000.00
Jan. 1, 1921. Total cash and in- vestments .....		<hr/> \$55,889.63

**CITY NOTES LOAN SINKING FUND**

**Receipts**

1920			
Jan.	1.	Cash on hand .....	\$923.78
		Income from invest- ments .....	2,511.50
		Income from bank de- posit .....	14.96
		Appropriation from Taxes .....	1,050.00
June	15.	U. S. Certificates paid	3,000.00
July	1.	Medford notes paid..	13,000.00
July	1.	Medford bond paid..	600.00
Dec.	1.	Medford note paid ..	1,100.00
Nov.	1.	Medford note paid...	8,000.00
Dec.		Transferred from Park Loan .....	1,360.73
Oct.	11.	Sold to Sewerage Loan \$2,000 Medford 4 per cent. bonds, due Oct. 1, 1924, and int.....	2,002.44
			<hr/>
			\$33,563.41

**Disbursements**

Jan.	31.	Bought of Sewerage Loan \$1,100 Medford 4 per cent. note, due Dec. 1, 1920, and int..	\$1,107.33
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Dec. 16.	Bought \$2,000 U. S. 6 per cent. Certificates, due June 15, 1921, and int. ....	\$2,000.32	
June 23.	Bought \$4,000 U. S. 6 per cent. Certificates, due June 15, 1921, and int. ....	4,005.90	
Oct. 11.	Bought of Sewerage Loan \$3,000 Medford 4 per cent. note, due Sept. 1, 1922, and int.	3,013.66	
July 1.	Paid to City to redeem note .....	13,000.00	
Nov. 1.	Paid to City to redeem note .....	8,000.00	
Dec. 1.	Paid to City to redeem note .....	1,100.00	
Dec.	Transferred from Park Loan \$1,000 Fall River 4 per cent. bond, due Nov. 1, 1929.....	1,000.00	
		<hr/>	<b>\$33,227.21</b>

1921

Jan. 1.	Cash on hand deposited in Medford Trust Co. ....	\$336.20
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City Notes Loan fund invested as follows:

Due May 1, 1921.....	\$1,200.00
Due Sept. 1, 1922.....	3,000.00
Due Oct. 1, 1922.....	3,800.00
Due Oct. 1, 1922.....	3,500.00
Due Jan. 1, 1927.....	7,000.00
Medford four per cent. bonds, due July 1, 1921-1924.....	2,400.00

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Medford four per cent. bonds, due July 1, 1922 .....	\$500.00	
Medford four per cent. note, due Sept. 1, 1922 .....	3,000.00	
City of Fall River three and one- half per cent. bonds, due Nov. 1, 1929.....	1,000.00	
Boston & Maine R. R. Co. four and one-half per cent. bonds, due April 1, 1929.....	3,000.00	
Am. Tel. & Tel. Co. four per cent. bonds, due July 1, 1929	7,000.00	
West End St. R.way Co. 4½ per cent. bond, due July 1, 1930	1,000.00	
Liberty Loan No. 2, 4¼ per cent. bond .....	1,000.00	
U. S. Certificate 6 per cent., due June 15, 1921.....	6,000.00	
	<hr/>	\$43,000.00
Jan. 1, 1921. Total cash and securities .....		<hr/> \$43,736.20

**PARK LOAN SINKING FUND**

**Receipts**

1920		
Jan. 1.	1. Cash on hand.....	.00
	Income from Invest- ments .....	\$1,267.50
	Income from bank de- posit .....	5.12
Jan. 31.	Sold to Public Play- ground Loan \$2,000 West End St. R.way 4 per cent. bond, due Aug. 1, 1932 .....	2,000.00

Dec.	Transferred to City Notes Loan as part of surplus \$1,000 Fall River 3½ per cent. bond, due Nov. 1, 1929	\$1,000.00	
		<hr/>	\$4,272.62

Disbursements

Jan. 31.	Bought of Public Playground Loan \$2,000.. Medford 4 per cent. bonds, due July 1, 1932, and int. ....	\$2,000.00	
		2,006.67	
Aug. 18.	Bought \$1,000 Medford 4 per cent. bond, due July 1, 1932, @ 90 and int. ....	905.22	
Dec.	Transferred surplus to City Notes Loan.....	1,360.73	
		<hr/>	\$4,272.62

1921

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

Town of Winchester	three and one-half per cent. bond, due Oct. 1, 1929.....	\$4,000.00
Commonwealth of Massachusetts	three and one-half per cent. registered bond, due Jan. 1, 1930 .....	2,000.00
Medford	four per cent. Park bond, due July 1, 1932.....	17,000.00
City of Salem	four per cent. registered bond, due Feb. 1, 1929 .....	2,500.00

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City of Salem four per cent. registered bond, due Feb. 1, 1930 .....	\$2,500.00	
City of Newburyport three and one-half per cent. bonds, due June 1, 1932 .....	1,000.00	
Boston & Maine R. R. four and one-half per cent. bonds, due April 1, 1929 .....	2,000.00	
Old Colony R. R. three and one- half per cent. bond, due July 1, 1932 .....	1,000.00	
	<hr/>	
Jan. 1, 1921. Total securities...		\$32,000.00

**SCHOOLHOUSE IMPROVEMENT LOAN SINKING**

**Receipts**

1920			
Jan. 1.	1.	Cash on hand.....	\$1,275.87
		Income from Invest- ments .....	335.25
		Income from bank de- posit .....	11.21
		Appropriation from Taxes .....	500.00
Mich. 15.		U. S. Certificates paid	1,000.00
June 1.	1.	Quincy bond paid....	1,000.00
			<hr/>
			\$4,122.33

**Disbursements**

Jan. 31.		Bought of Public Play- ground Loan \$1,000 U. S. 4½ per cent. Certificates, due March 15, 1920, and int.....	\$1,024.37
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Apr. 16.	Bought of Lincoln Schoolhouse Loan \$1,000 Liberty Loan 4¼ bond .....	\$1,000.00	
Sept. 1.	Bought of Sewerage Loan \$1,000 Boston & Maine R. R. Co. 4 per cent. bond, due Sept. 1, 1926 .....	1,000.00	
Dec. 8.	\$1,000 Boston & Maine R. R. Co. 4 per cent. bond, due Sept. 1, 1926, and int.....	1,007.54	
		<hr/>	\$4,031.91
<b>1921</b>			
Jan. 1.	Cash on hand deposited in Medford Trust Co. ....		\$90.42
	Schoolhouse Improvement Loan Fund invested as follows:		
	Boston & Maine R. R. four per cent. bond, due Sept. 1, 1926.	\$3,000.00	
	City of Medford four per cent. bond, due July 1, 1926.....	1,000.00	
	City of Boston four per cent. bond, due Jan. 1, 1921.....	1,000.00	
	Providence & Springfield R. R. Co. five per cent. bonds, due July 1, 1922 .....	2,000.00	
	City of Medford four per cent. bond, due July 1, 1925.....	600.00	
	Liberty Loan No. 4, 4¼ per cent. bonds .....	1,000.00	
		<hr/>	\$8,600.00
Jan. 1, 1921.	Total cash and securities .....		<hr/> \$8,690.42



**CITY STABLES LOAN SINKING FUND**

**Receipts**

1920

Jan. 1.	Cash on hand.....	\$1,417.40	
	Income from Invest- ments .....	440.00	
	Income from bank de- posit .....	8.93	
	Appropriation from Taxes .....	320.00	
		<hr/>	\$2,186.33

**Disbursements**

Jan. 31.	Bought of Water Loan \$1,000 Medford 4 per cent. bond, due June 1, 1924, and int.....	\$1,006.67	
Dec. 1.	Bought of same \$1,000 Medford 4 per cent. bond, due June 1, 1924	1,000.00	
		<hr/>	\$2,006.67

1921

Jan. 1.	Cash on hand deposit- ed in Medford Trust Co. ....		\$179.66
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City Stables Loan Fund invested as follows:

Town of Belmont four per cent. bond, due Nov. 1, 1924.....	\$1,000.00
City of Salem four per cent. bond, due March 1, 1923.....	1,000.00
Town of Great Barrington four per cent. bond, due Jan. 1, 1923 .....	1,000.00

City of Malden four per cent. bond, due May 2, 1924.....	\$1,000.00	
Winchester four per cent. bond, due Dec. 1, 1921.....	1,000.00	
City of Medford four per cent. bonds, due June 1, 1924.....	7,000.00	
	<hr/>	\$12,000.00
		<hr/>
1921		
Jan. 1. Total and securities....		\$12,179.66

**METROPOLITAN PARK ASSESSMENT LOAN  
SINKING FUND**

**Receipts**

1920		
Jan. 1.	Cash on hand.....	\$24.28
	Income from Invest- ments .....	586.50
	Income from bank de- posit .....	8.30
	Appropriation from Taxes .....	180.00
June 1.	Medford bond paid..	1,200.00
Oct. 2.	Medford bond paid..	1,000.00
		<hr/>
		\$2,999.08

**Disbursements**

July 14.	Bought of Sewerage Loan \$1,000 West End St. R.way Co. 4½ per cent. bond, due July 1, 1930, and int.....	\$1,001.87
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Oct. 11.	Bought of same \$1,000 Boston & Maine R. R. Co. 4 per cent. bond, due Sept. 1, 1926, and int. ....	\$1,003.72	
			\$2,005.59

1921

Jan. 1.	Cash on hand deposit- ed in Medford Trust Co. ....		\$993.49
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Metropolitan Park Assessment Loan Fund  
invested as follows:

Fitchburg R. R. Co. four and one-half per cent. bond, due Jan. 1, 1933 .....	\$2,000.00
Old Colony Railroad three and one-half per cent. bonds, due July 1, 1932 .....	3,000.00
Town of Athol four per cent. bond, due Aug. 1, 1932.....	1,000.00
City of Salem four per cent. bond, due Feb. 1, 1932.....	1,500.00
West End Street Railway Co. four per cent. bond, due August, 1932.....	2,000.00
Boston & Maine Railroad four per cent. bond, due Sept. 1, 1926 .....	2,000.00
Baltimore & Ohio R. R. three and one-half per cent. bond, due July 1, 1925.....	500.00
City of Boston four per cent. bond, due Jan. 1, 1921.....	1,000.00
City of Everett four per cent. bond, due Nov. 1, 1921.....	1,250.00

West End Street R.way Co. 4½ per cent. bond, due July 1, 1930 .....	\$1,000.00	
	<hr/>	\$15,250.00
Jan. 1, 1921. Total cash and se- curities .....		<hr/>
		\$16,243.49

**PERPETUAL CARE FUND**

**Receipts**

1920		
Jan. 1.	Cash on hand.....	\$2,624.51
	Income from Invest- ments .....	1,928.00
	Income from bank de- posit .....	9.04
	Received from City..	
Nov. 1.	Received from City of Medford bond paid...	600.00
	\$4,000 Boston & North- ern St. R.way ex- changed .....	4,000.00
	\$200 Eastern St. R.way Co. received in pay- ment for overdue in- terest .....	200.00
1921		
Jan. 1.	Received from City..	6,265.00
	<hr/>	\$15,626.55

**Disbursements**

Jan. 22.	Paid to City .....	\$1,925.48	
Jan. 31.	Bought of Playground Loan \$600 Medford 4 per cent. bond, due July 1, 1932 and int. also .....	602.00	
Feb. 5.	\$600 Medford 4 per cent. bond, due July 1, 1931, and int.....	602.33	
May 31.	Bought of Water Loan two \$500 Medford 4½ per cent bonds, due June 1, 1925-26 .....	1,000.00	
	Eastern Mass. Street R.way bonds, due Jan. 1, 1948, received in ex- change for Boston & Northern 4 per cent. bonds .....	4,000.00	
	Eastern Mass. Street R.way Co. bond in pay- ment of interest due April 1, 1925.....	200.00	
		<hr/>	\$8,329.81
1921			
Jan. 1.	Cash on hand deposit- ed in Medford Trust Co. ....		\$7,296.74

The Perpetual Care Fund is invested as follows:

Washington County, Me., Railway Company three and one-half per cent. bonds, due Jan. 1, 1954 .....	\$5,000.00
---	------------

City of Boston four per cent. bonds, due July 1, 1937.....	\$2,000.00
Boston Elevated Railway four per cent. bond, due May 1, 1935 .....	1,000.00
New York, New Haven & Hart- ford R. R. four per cent. bond, due July 1, 1955.. ..	1,000.00
Chicago, Burlington & Quincy R. R. four per cent. bond, due March 1, 1958 .....	1,000.00
City of Medford four per cent. bonds, due May 1, 1939....	5,000.00
City of Medford four per cent. bonds, \$600 each, due July 1, 1926-32 .....	4,200.00
City of Medford four per cent. bonds, \$600 each, due May 1, 1921-24 .....	2,400.00
Fitchburg R. R. Co. four and one- half per cent. bonds, due Jan. 1, 1933 .....	4,000.00
Old Colony R. R. four per cent. bond, due Jan. 1, 1938.....	1,000.00
New York, New Haven & Hart- ford R. R. four per cent. bond, due March 1, 1947....	2,000.00
Illinois Central R. R. Western line four per cent. bonds, due Aug. 1, 1951.....	3,000.00
Newark four and one-half per cent. bond, due Feb. 1, 1944.	1,000.00
Boston & Albany R. R. Co. five per cent. bond, due July 1, 1938 .....	1,000.00
Liberty Loan No. 2, 4¼ per cent. bonds .....	5,000.00

City of Medford four and one-half per cent. bonds, \$500 each, due June 1, 1925-28 .....	\$2,000.00	
Chicago, Burlington & Quincy R. R., Ill. Div., three and one-half per cent. bond, due July 1, 1949 .....	6,000.00	
Eastern St. R.way Co. 4½ per cent. bonds, due Jan. 1, 1948 .....	4,000.00	
Eastern St. R.way Co. 6 per cent. bonds, due April 1, 1925....	200.00	
	<hr/>	\$50,800.00
Jan. 1, 1921. Total cash and securities .....		<hr/> \$58,096.74

**TRUST FUNDS**

**Receipts**

1921		
Jan. 1.	Cash on hand.....	\$556.74
	Income from Investments .....	686.50
	Income from bank deposits .....	12.30
	\$1,000 Boston & Northern St. R.way exchanged .....	1,000.00
	\$50 Eastern St. R.way Co. in payment of overdue interest ....	50.00
		<hr/> \$2,305.54

**Disbursements**

Nov.	Paid to City .....	\$646.86	
	\$1,000 Eastern St. R.way Co. 4½ per cent. bond, due Jan. 1, 1948, in exchange for Boston & Northern St. R.way 4 per cent., due July 1, 1954 .....	1,000.00	
	Eastern St. R.way Co. 6 per cent. bond in ex- change for overdue in- terest due April 4, 1925 .....	50.00	
		<hr/>	\$1,696.86
			<hr/>

1921

Jan.	1. Cash on hand deposit- ed in Medford Trust Co. ....	\$608.68
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The Trust Funds are invested as follows:

Chicago, Burlington & Quincy, Ill. Div., three and one-half per cent. bonds, due July 1, 1949 .....	\$3,000.00
New York, New Haven & Hart- ford R. R. three and one-half per cent. bond, due April 1, 1954 .....	500.00
Boston & Albany R. R. Co. five per cent. bond, due Oct. 1, 1963 .....	1,000.00
Boston Elevated St. Ry. Co. four and one-half per cent. bond, due Nov. 1, 1941 .....	2,000.00



144 REPORT OF COMMISSIONERS OF SINKING FUNDS

Boston Elevated St. Ry. Co. five per cent. bond, due Dec. 1, 1942 .....	\$8,000.00	
Eastern St. Ry. Co. 4½ per cent. bonds, due Jan. 1, 1948.....	1,000.00	
Eastern St. Ry. Co. 6 per cent. bonds, due April 1, 1925....	50.00	
	<hr/>	\$15,550.00
Jan. 1, 1921. Total cash and in- vestments .....		<hr/> \$16,158.68

**RECAPITULATION**

**Sinking Funds**

1920		
Jan. 1. Amount of Funds....	\$495,624.52	
Income .....	20,703.51	
Premium and interest	341.13	
Received from City..	8,395.00	
	<hr/>	\$525,064.16

**Disbursements**

Paid to City .....	\$56,100.00	
Paid to Water Loan income .....	\$6,166.35	
	<hr/>	\$62,266.35
1921		
Jan. 1. Amount of Funds....		\$462,797.81

**Perpetual Care Fund**

1920

Jan. 1.	1.	Amount of Fund.....	\$51,624.51	
		Income .....	2,137.04	
		Received from City ..	6,265.00	
			<hr/>	\$60,026.55

**Disbursements**

		Paid to City .....	\$1,925.48	
		Paid interest .....	4.33	
			<hr/>	\$1,929.81

1921

Jan. 1.	1.	Amount of Fund ....		\$58,096.74
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**Trust Funds**

1920

Jan. 1.	1.	Amount of Fund.....	\$16,056.74	
		Income .....	748.80	
			<hr/>	\$16,805.54

**Disbursements**

		Paid to City .....		\$646.86
			<hr/>	

1921

Jan. 1.	1.	Amount of Fund ....		\$16,158.68
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In compliance with the provisions of Section 12 of Chapter 27 of the Revised Laws and Section 8 of Chapter 6 of the City Ordinances, the Commissioners find the amounts to be raised the coming year for the Sinking Funds are as follows:

Sewerage .....	\$900.00
Metropolitan Park .....	180.00
Lincoln School .....	1,500.00

City Stables .....	\$320.00
Schoolhouse Improvement .....	500.00
Schoolhouse of 1908 .....	1,360.00
City Notes .....	300.00
	<hr/>
<b>Total</b> .....	<b>\$5,060.00</b>

And the Commissioners have certified to the City Auditor that this amount of \$5,060.00 is required to be raised by taxation for the Sinking Funds, and is to be put into the yearly appropriation for the ensuing year.

Respectfully submitted,

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

Commissioners of Sinking Funds, City of Medford.

**TAX TITLES**  
**ESTATES BOUGHT AT SALE FOR TAXES**

Assessed to	Property	Total	Year	Interest	Costs	Watering Assessment	Sewer	Various	Taxes	Betterment	Sidewalk
John Matson .....	Lot 16 Lewis St. ....	83.48		7.84	8					67.64	
John Matson .....	Lot 15 Lewis St. ....	86.46		8.15	8					70.31	
Frank H. Stevens ....	Lot 19 Burnside St. ....	64.31		5.84	8					50.47	
Frank H. Stevens ....	Lot 18 Burnside St. ....	64.31		5.84	8					50.47	
Kendall Williamson...	5360 ft. Court St. ....	39.49		3.27	8					28.22	
Kendall Williamson...	3100 ft. Lewis St. ....	217.72		21.79	8					187.93	
Kendall Williamson...	1720 ft. Lewis St. ....	202.71		20.22	8					174.49	
Alvah L. Falla.....	4934 sq. ft. Lot 56 Watervale Road .....	11.73	1918	.34	8				3.39		
John M. Falla.....	4589 sq. ft. Lot 55 Watervale Road .....	11.73	1918	.34	8				3.39		
John Matson .....	2607 sq. ft. Lot 15 Lewis St. ...	20.65	1918	1.18	8	2.00	4.42	.53	4.52		
John Matson .....	3420 sq. ft. Lot 16 Lewis St. ...	22.47	1918	1.36	8	1.90	4.97	.59	5.65		
N. E. Realty Co.....	3673 sq. ft. Lot 13 Capen St. ...	23.78	1918	1.48	8	3.00			11.30		
Robert C. Orpin.....	450 sq. ft. off Myrtle St. ....	9.23	1918	.10	8				1.13		
Wm. A. Robinson....	4980 sq. ft. Lot 4 High, cor Sherman .....	39.06	1918	2.91	8	5.55			22.60		
Mary M. Sullivan....	4900 sq. ft. Lot 18 Burnside St.	37.05	1918	2.73	8	2.45		.49	11.30		12.08
Mary M. Sullivan....	4900 sq. ft. Lot 19 Burnside St.	37.25	1918	2.75	8	2.45		.50	11.30		12.25
H. P. Tibbets and John J. Harris .....	501 sq. ft. W. Pt. Lot 287 Tyler Ave. ....	9.23	1918	.10	8				1.13		
Kendall Williamson...	1720 sq. ft. Court St., cor. Lewis St. ....	20.54	1918	1.17	8	6.85			4.52		
Kendall Williamson...	3100 sq. ft. Lewis St. ....	21.27	1918	1.24	8	5.25			6.78		



**ANNUAL REPORT**  
**OF THE**  
**SCHOOL DEPARTMENT**  
**OF THE**  
**CITY OF MEDFORD, MASS.**



**For the Year Ending December 31, 1920**

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**SCHOOL COMMITTEE FOR 1920**

**Membership**

Hon. Benjamin F. Haines, Mayor, Ex-Officio.

**At Large**

	Term Expires
Edward W. Barrett, M. D., 104 Salem Street.....	1922
Hon. William C. Wait, 194 Forest Street.....	1920
George H. Peckham, 122 Woburn St., West Medford..	1921

**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.1920
4. Clara T. Guild (Mrs.), 31 College Avenue.....1920
5. George S. T. Fuller, 7 Alfred Street.....1922
6. Joseph W. Phelan, 60 Brooks St., W. Medford....1921
7. Joseph C. Smith, 38 Fifth St., Wellington.....1922

**Organization of Committee**

Joseph W. Phelan, Chairman

Joseph C. Smith, Clerk

**Standing Committees**

**Budget:** The whole committee; Wait, Chairman.

**Finance:** Phelan, Smith, Barrett, Harris.

**Teachers:** Phelan, Smith, Guild, Harris.

**Textbooks and Supplies:** Peckham, Hart, Conway, Guild.

**Instruction and Courses of Study:** Barrett, Hart, Conway, Guild, Peckham.

**Buildings:** Fuller, Conway, Peckham.

The Superintendent is a member of all Standing Committees.



### Meetings of Committee

Regular meetings of the School Board 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

Fred H. Nickerson, A. M. . . . . 60 Dudley St.

### Superintendent's Clerks

Annie I. Letson . . . . . 8 Fulton St.

Adele Chamberlain . . . . . 58 Lambert St.

Office—High School, Forest Street.

Office Hours—8 to 1 and 2 to 5 every school day, and 8 to 12 on Saturdays.

Office Telephone—34 Medford.

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## SCHOOL CALENDAR FOR 1921

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### Winter Term

Begins January 3 and closes April 15.

### Spring Term

Begins April 25 and closes Friday, June 30.

### Fall Term

Begins Sept. 7 (Wednesday) and closes Dec. 23.

### Holidays During Term Time

Every Saturday, Columbus Day, Thanksgiving Day, with one half-day preceding and the day following it, May 30 and June 17.

**REPORT OF SCHOOL COMMITTEE**

Medford, Mass., December, 1920.

To His Honor, Benjamin F. Haines, Mayor.

Sir: The School Committee herewith submits its annual report.

In regard to additional accommodations the past year, three attic rooms in the Brooks School have been finished off, and two were occupied in September. The third will be in use in February, 1921. This completes the possibilities of accommodation at this school.

Two portable buildings have been placed in the L. L. Dame School yard, and are occupied.

The permanent school building at Fulton Heights is nearing completion, and will probably be occupied in September, 1921.

In discussing the accommodations for the pupils of Medford, it must be admitted that they are inadequate, in fact, always seem to be inadequate. The problem is a far-sighted one which immediately involves finances, and because of unusual conditions during the last two years, has not progressed much.

The erection of a new building at the Lincoln School, which has been repeatedly recommended, should be pushed vigorously.

The recommendation for the purchase of more land at the L. L. Dame School should receive immediate attention, and an addition to the Brooks School should be contemplated.

The wooden building attached to the James School should be replaced by one of brick or fireproof construction.

Further immediate attention should be given to the purchase of land and placing a building thereon for primary grade pupils in the district west and north of the track in West Medford. The Gleason primary school is now overcrowded, and it is not desirable to make additions to this wooden building. An ever-increasing number of primary grade pupils are attending this school who are obliged to cross the railroad four times a day. This is extremely undesirable, and it is hoped that a portable building may be available by September, 1921, to relieve this condition.

Salaries of our teachers, janitors and other employees have been further advanced during the past year. While it is extremely doubtful if the salaries of teachers will ever be as high as they should, considered as an economic question, the committee feels that the salaries are now satisfactory and positions in Medford should attract good teachers, and that the education of future generations will reflect this wise move.

A considerable amount was spent this year for repairs. Unfortunately the cost of labor and materials prevents it from making a desirable showing. Our expenses for necessary repairs from now on will probably be high, due to too small appropriations for many years, and the poor construction of the recent troublesome times. It is interesting to observe that the manual training department of our schools has been of material assistance in many of our repairs, especially in carpenter work, and this has resulted in a considerable saving to the city.

Again, it is pleasing to note that no interruption of our school session has taken place in the past year, even with the severe weather of last winter. The coal supply, while

never abundant has been sufficient, and it looks now as if we should have no trouble from this source during the winter.

In December, after some deliberation, our superintendent resigned to take effect January 1, 1921, after eleven years of service. We are, however, indeed fortunate, in having a group of masters and supervisors of such experience and ability, that our schools will continue without loss in efficiency until a new superintendent is selected.

Respectfully submitted,

JOSEPH W. PHELAN,  
JOSEPH C. SMITH,  
EDWARD W. BARRETT,  
WILLIAM C. WAIT,  
GEORGE H. PECKHAM,  
ELLA T. HART,  
CHRISTOPHER W. CONWAY,  
JAMES G. HARRIS,  
CLARA T. GUILD,  
GEORGE S. T. FULLER.

**REPORT OF SUPERINTENDENT OF SCHOOLS**

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To the School Committee of Medford:

I submit herewith my twelfth annual report as Superintendent of Schools in this City.

Slowly but surely our schools are recovering from the demoralizing effects of the war period. Evidence of this appears in an increase of regularity in the school attendance for the past year and in the greater earnestness with which the pupils, as a whole, have applied themselves to their school tasks.

Generally speaking, the City has ground for satisfaction with the work that its schools are accomplishing. There has been quiet but steady progress during the year, which is encouraging to those who believe that the best educational advance is made through evolution and not through revolution.

**Special Features for Encouragement**

The following are a few of the encouraging features of the year's administration:

1. During the past six years, the residents of the Fulton Heights district have asked with steadily increasing emphasis that a school building be erected for the accommodation of the children of that section. Their request was reasonable and the needed accommodations should have been provided long ago.

In my annual report for 1916, I stated with respect to the need in this district:

“The time has come to take steps to provide a permanent structure of some nature in this section for the accommodation of the primary and lower grammar grade children living therein.” Each year since, I have repeated

that opinion. While the delay in erecting the needed structure has been unfortunate and to my mind unwarranted, it is gratifying to note that the desired building was started during the past year and is expected to be ready for occupancy in the near future. In this connection, it should be said that the delay in securing the above-mentioned building has been due to causes largely beyond the control of the School Committee.

The completion of this building, not only will remove the hardship put upon pupils of grades three, four, five and six of that section who have been forced to travel to the Franklin, Washington, Everett and Curtis Schools, but also will permit a rearrangement of the primary grades now housed in inadequate quarters in two portable buildings, so that the pupils of those grades may be taught to better advantage than heretofore.

2. A second gratifying feature of the year's work is the fact that it was possible to maintain during the summer vacation a school for review work for pupils who for one reason or another had failed to secure promotion at the end of the regular school year in June.

A school of this type was organized for the first time by the School Department in the summer of 1910. The results secured were so satisfactory that a similar school was maintained during the summers of 1911 to 1914 inclusive. It was the expectation of the Committee that such work would become a permanent feature of the school system of the City. However, it became necessary to suspend this work during the summers of 1915 to 1918 inclusive, owing to the fact that the School Committee was denied an appropriation for its maintenance.

The value of the work done in this type of school has been set fourth in previous reports so fully that it seems sufficient at this time to express the opinion, held generally by thoughtful school administrators, that such schools are one of the most valuable features of an efficient school system. It is to be hoped that a spirit of false economy on

the part of those who control municipal appropriations may not again cause the discontinuance of this branch of school work in the City.

3. Another promising feature of the administration of the schools during the past year is the movement for an upward revision of the salary schedule for teachers. The purpose of this movement is (a) to minimize the possibility of losing able teachers from the corps, (b) to make it easier to draw into the ranks teachers of the highest type, and (c) to provide an incentive to professional growth in service by recognizing through extra salary increases, professional study and meritorious work on the part of ambitious and specially efficient teachers.

To forward this purpose, a subcommittee of the School Committee was appointed to consider and recommend such revision of the existing salary schedule as seemed desirable. This committee invited the teachers to select from their number five representatives to assist in the work. These two committees working together formulated the following plan, which was approved informally by the School Committee and by the teachers generally:

The special committee appointed to consider and report upon the salary increases of the entire school department submits the following recommendations:

(1) The committee recommends that every regularly appointed teacher who entered service in Medford not later than September, 1920, be granted an increase of \$100 on January 1, 1921, in addition to the salary he or she may be entitled to receive on that date by previous vote of the School Committee.

(2) Believing that the interests of public education in the City will be advanced best by the adoption of a salary schedule that recognizes, in fixing the maximum attainable by a teacher, not only length of service, but also merit, as evidenced both by increasing efficiency and by continued growth in scholarship and professional understanding, the committee further recommends that the schedule of salaries

for regularly appointed teachers (principals, principals' assistants, heads of departments, supervisors and special teachers not included) be fixed in accordance with the following suggestions:

a. Teachers in grades 1 to 6 inclusive shall advance automatically by length of satisfactory service to a maximum of \$1,500 by annual increments of \$100.

b. Teachers in the junior high grades shall advance automatically by length of satisfactory service to a maximum of \$1,600 by annual increments of \$100.

c. Teachers in the senior high school grades shall advance automatically by length of satisfactory service to a maximum of \$1,700 in the case of women and \$2300 in the case of men by annual increments of \$100.

d. When a teacher in any of the foregoing groups has attained the maximum of that group for length of service, he or she may advance to a maximum \$300 higher than that fixed for his or her group for length of service, in accordance with the following conditions:

I. After serving at least one year on the length-of-service maximum, a teacher, who is rated at least "fair" in the records of the department and presents satisfactory evidence of having had the equivalent of 90 college hours of scholastic or professional training since he or she has been teaching in Medford, shall receive an increase of \$100 in salary.

II. After serving at least one year on this higher salary, a teacher shall be granted an additional \$100 in salary, provided he or she is rated at least "good" in the records of the department and presents satisfactory evidence of having had the equivalent of 60 college hours of additional scholastic or professional training.

III. After serving at least one year on the maximum indicated in the preceding paragraph, a teacher shall be granted another \$100 in salary, provided he or she continues to be rated at least "good" in the



records of the department and presents satisfactory evidence of having had further scholastic or professional training equivalent to at least 60 college hours of work.

(3) The committee recommends further that a teacher who has been advanced to any higher salary than the regular maximum for length of service shall be retained thereon only so long as his or her rating in the records of the department continues at least as high as that required for the advancement.

(4) It is recommended, also, that the salaries for all positions in the teaching and supervision department that are not included in the foregoing recommendation be fixed from time to time by special action of the School Committee upon recommendation of the Superintendent of Schools.

#### **Explanatory Notes on the Foregoing Recommendations**

1. A college hour is understood to be a class period accompanied by collateral preparation, reading or research.

2. To avoid misunderstanding and possible rejection of credits claimed for an advancement in salary, courses of study which teachers propose to take must be submitted in advance to the Superintendent of Schools for approval.

3. A record of the advanced study that every teacher does annually shall be kept by the Superintendent of Schools.

4. Teachers may not be credited with more than 30 hours for work done during any one school year.

5. Credit for advanced study may be secured through extension courses, correspondence courses, summer school courses or through any medium approved by the Superintendent of Schools; but all such courses shall be taken at such time and place as not to interfere with the daily work of teaching.

6. To secure credit for advanced study, at least two-thirds of the work done must be of a professional nature.

7. Teachers in grades 1 to 6 inclusive may receive credits only for courses in advance of those required for graduation from High or Normal School; teachers in junior high school grades may receive credits only for courses equivalent in character at least to the last two years of college work; and teachers in senior high school grades may receive credits only for courses of the nature of college post-graduate work.

8. Teachers shall be rated annually in May, with respect to their qualifications and service, by the Superintendent of Schools, the master under whom they serve and the supervisor of the group in which they work, upon a form approved by the School Committee. Such ratings shall be filed with the Superintendent of Schools, and the rating of any teacher shall be open for inspection only to the individual teacher and the School Committee.

9. Applications from teachers for merit increases shall be acted upon annually by the School Committee in June and September and, if granted, the increase shall take effect September 1 of that year.

10. Credit for advanced study shall be allowed only on presentation of a passing mark obtained in the course taken.

Owing to the fact that the foregoing plan was not ready for final consideration until the latter part of the City's official year, which closes December 31, and that its operation would require the expenditure of considerable additional money by the incoming School Committee for 1921, it seemed wise to leave the formal adoption of the plan to that Committee. Inasmuch, however, as the majority of the membership of the Committee for 1921 would necessarily be from the then existing Committee, the Superintendent

was authorized to inform the teachers prior to the Christmas vacation that they might confidently expect the plan to become operative as recommended.

In my judgment, if the incoming Committee sees fit to put the above plan into effect, it will do much to improve ultimately the efficiency of the teaching corps of the City.

### Some Unsatisfactory Conditions

One requisite for progressive development in a school system is the willingness, not only of those directly charged with the administration of the schools, but also of the public at large, to recognize existing conditions calculated to hinder the best development of school interests. I deem it my duty, therefore, to point out briefly a few such conditions with reference to the schools of Medford.

1. At the opening of the school year in September, 1918, the School Committee began a reorganization of the schools along the lines of the so-called six-three-three plan, which provides for six years of elementary grade work, three years of junior high school work, and three years of senior high school work.

The merits of this arrangement in general and its value in solving the particular educational problem in Medford were fully discussed in my annual reports for 1917 and 1918, and need not be reviewed at this time. It may be said, however, that such reorganization of the public school system is indorsed generally by the most thoughtful students of educational procedure, and, moreover, that the plan, with such modifications as may seem necessary to meet local conditions, is in operation throughout the land in the most progressive school centers.

It was the idea of the Committee that there should be three centers for Junior high school work in Medford,—one in the eastern, one in the southern, and one in the western section. In working out this idea, the beginning was made by the erection of the Swan Junior High building

for the accommodation of the seventh, eighth, and ninth grade pupils in the eastern section. This building was opened for work in September, 1918. Congested conditions in the attendance at the various buildings in the southern area of the City made it desirable that there should be immediate enlargement of the accommodations at the Lincoln School for a second center for junior high work; and for the past two years the School Committee has urged upon the attention of the City Government the need of such enlargement. Thus far, however, it has not been possible to secure the necessary appropriation for the purpose indicated.

From the point of view of the educational well-being of the young people who are passing through the schools of the City, it is exceedingly unfortunate that the plans of the Committee in this direction have been thwarted. In spite of the earnest efforts of teachers, it is impossible, owing to inadequate accommodations, for the work of the junior high grades to be carried on with anything like its possible effectiveness. The handicaps to a satisfactory administration of the junior high program in our schools were set forth in some detail in my annual report for 1919 and need not be repeated here. However, it should be said that the responsibility for failure to have done for the children what ought to be done rests not upon the school authorities but upon those who, for one reason or another, have helped to prevent the consummation of the plan outlined and urged by the School Committee chosen by vote of the citizens as a whole to direct the educational interests of the City.

It is earnestly to be hoped, not only that the way may be opened in the near future to secure the needed enlargement at the Lincoln School, but also that this may be followed immediately by a needed enlargement of accommodations for junior high purposes in the West Medford section.

Three desirable results will follow the accomplishment of these enlargements, viz.,—(1) it will be possible to carry

out the full junior high program in all parts of the city; (2) the working conditions at the senior high school will be greatly improved by the removal from that school of a considerable number of junior high pupils who are now placed there owing to lack of accommodations elsewhere; and (3) the existing congestions in many of the elementary grades will be relieved to their advantage.

2. Another unsatisfactory condition, as I view it, that has developed during the past year, is the change from a two-session day of five and three-quarter hours for the junior high grades to a single-session day of five hours, which was voted to go into effect in February, 1921. This change was made as the result of the expressed preference of a majority of parents of junior high pupils for the latter day. While it is proper that the will of the majority should prevail, nevertheless, from my study of the problems of education and my experience in school administration through a series of years, I cannot bring myself to feel otherwise than that, for the best educational interests of the children, the change is a mistake, and, furthermore, that, if parents generally had understood conditions fully, they would have voted differently. However, the change has been voted and every effort must be made to get the best results possible for the children under the new arrangement.

### Conclusion

In closing this report, my service as Superintendent of the Schools of Medford ends; and I desire at this time to record my deep appreciation of the consideration shown me by the School Committee, individually and collectively, my obligation for the hearty co-operation of the corps of teachers as a whole, and my indebtedness for the unfailing goodwill of the public during the eleven years that it has been

my privilege to serve the City. Whatever good I may have accomplished for its educational interests, is due largely to the above mentioned conditions.

Respectfully submitted,

FRED H. NICKERSON,

Superintendent of Schools.

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### REPORT OF EVENING SCHOOL

To the Superintendent of Schools:

I herewith respectfully submit my report as Principal of the Medford Evening School.

Regular sessions were held in the High School building, from 7.30 to 9.30 o'clock, the opening session being on Monday, October 4, 1920.

Instruction was offered to any resident of the City, who was not enrolled as a student in any of the day schools, in the following subjects,—Bookkeeping, Stenography, Typewriting, Commercial Arithmetic, Business English, Mechanical Drawing, Grammar School subjects, and English for Foreign-born.

The faculty was composed of teachers of wide and successful experience, who seemed particularly qualified in the work of their various departments.

Teachers and students co-operated most heartily in helping to make the work enjoyable as well as highly profitable.

Attention is called to the Americanization work conducted by Mr. Lawrence Cunningham and Miss Josephine

W. Leighton with the large and enthusiastic class of foreign-born students.

The total enrolment was 276, including 154 males and 122 females.

Respectfully submitted,  
CLIFTON W. M. BLANCHARD,  
Principal.

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## REPORT OF THE ACADEMIC DEPARTMENT OF THE SUMMER SCHOOL

To the Superintendent of Schools:

The academic department of the summer school was carried on for a period of six weeks. The Principal was assisted by Miss Josephine E. Welsh, Miss Annie E. Durgin, Miss Mary A. Rowan, Miss Doris M. Gow, and Mrs. Charlotte A. Post.

Pupils from Grades 5B to 9B, inclusive, who had failed to receive promotion in June and those who were conditionally promoted because of failure in any subject were admitted, provided they were recommended by the teachers under whom they had been during the half-year prior to the opening of the summer school. The total enrolment of the school was 121, distributed as follows—Grade 9B, 2; Grade 8A, 15; Grade 8B, 3; Grade 7A, 14; Grade 7B, 12; Grade 6A, 23; Grade 6B, 17; Grade 5A, 24; Grade 5B, 11.

Fifteen or approximately 12 per cent., of the pupils dropped out before the end of the term. 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.

Grade	Standing, June 30			Summer School Standing			
	N. P.	C. P.	S. P. or Special	Advanced to		Remaining	
				S. P.	C. P.	C	N. P.
9B		1	1	2			
8A	6	8		3	4	7	
8B	1	1	1		2	1	
7A	8	4		3	5	2	2
7B	8	3		1	6	3	1
6A	13	10		8	10	3	2
6B	7	8		7	5	3	
5A	9	9		1	9	8	
5B	4	3		3	3	1	
<b>Total</b>	<b>56</b>	<b>47</b>	<b>2</b>	<b>28</b>	<b>44</b>	<b>28</b>	<b>5</b>

\*Pupils remaining conditionally promoted raised individual subjects above a "D" rank but failed to secure more than a "C" average.

S. P., Straight Promotion; C. P., Conditional Promotion; N. P. Non Promotion.

Respectfully submitted,

BERTRAND HOOPER,

Principal.



### **Report of Industrial Department of the Summer School**

The Industrial branch of the Medford Vacation School opened July 6th in the Cradoek School building.

As in previous years, the school was divided into four departments, the Sewing class which was under the care of the Principal, assisted by Miss Helen Wilson; the Sloyd class, in charge of Mr. F. W. Nichols; the Primary class, supervised by Miss Anna Rose; and the Kindergarten class in charge of Miss Ada Dolan. All departments were well attended; the total enrollment being 186. Many pretty, useful articles were made and put on Exhibition Thursday P. M., Aug. 5, from 2 to 4 o'clock; among the things made, the following were admired by all: blotters, match scratchers, handkerchief cases, jointed animals, scrap-books, letter holders, pen wipers, coat hangers, necktie racks, book racks, upholstered foot-stools, rocking toys, aprons, handkerchiefs, romper suits, sunbonnets, holders, and five layettes for the Medford Red Cross, each layette consisting of two dresses, two shirts, two pairs of socks, and a jacket.

The Exhibition was well attended and the chorus singing by the children was enjoyed by all. Forty pupils had perfect attendance during the term.

The children enjoyed three outings during the summer; the little ones going to Middlesex Fells; the Sewing class to City Point and the Sloyd class to Norumbega Park. The spirit of both teachers and pupils was excellent and considering all, it was a most enjoyable, profitable summer for every one.

Respectfully submitted,

FLORA E. HINMAN,

Principal.

**REPORT OF SCHOOL NURSE**

December 31, 1920.

To the School Committee:

Medical Inspection was first provided in Medford in 1906, but it was not until September, 1919, that School Nursing was introduced. This was made possible by the Medford Branch, American Red Cross, which at the present time supplies two nurses to carry on this important branch of Public Health Nursing.

Up to this time many people in our City have considered School Nursing a fad and unnecessary expense. It is true this means an increased expenditure, but is it not worth while when the child's health is the most important resource in the earning capacity of the man?

The parents, principals, and teachers have given the School Nurses splendid support during the past year. This is significant of their appreciation; and there are few in our community today who are not convinced that School Nursing is a necessity.

**Summary of Work During Year 1920**

When doing routine work, the schedule was so arranged that each school-room was visited every other week and oftener if necessary. Each pupil was inspected for cleanliness, special attention being given to the children's heads to prevent the spread of pediculosis, and defective teeth.

All pupils found to have defective vision and hearing were retested and home visits made in all cases where parents did not respond to notices sent them. It is of interest to know that ninety per cent. of the above defects have been corrected through the efforts of the School Nurses.

Children suspected to be under weight were weighed and measured every two weeks.

The children were instructed in the care of their teeth and 910 tooth-brushes sold at cost.

Arrangements were made for milk and cocoa to be sold in the schools where it is necessary for the children to remain for lunch. This was done in the Franklin, Washington, and Everett Schools.

A medical clinic was held at the Public Health Dispensary Wednesday afternoons for all children needing a physical examination.

Dental reservation was made at the Forsyth for twenty pupils a week and this continued through the summer. Plans are being made to have a Dental clinic in Medford as we are unable to get reservation at any Dental Infirmary after December.

Special work was done in one school where several pupils had scarlet fever.

Four classes in Home Nursing and First-Aid were conducted in the Junior High Schools. The course comprised sixteen lessons and Red Cross certificates were given to all who passed the examination.

Exhibits on food display were held in five schools.

Two thousand ninety-eight home visits were made which proved of value to ourselves, to the parents, and to the children. They give us an insight into the home conditions of the families and make clearer to the parents the work we are trying to do for the children. In many cases where the future health of the children is not considered, unless it is brought forcibly to the attention of the parents, these visits hasten the treatment needed by the children.

Respectfully submitted,

MARY C. HOISINGTON.

School Nurse.

## APPENDIX A

TABLE I.—Number of Pupils in the Different Grades, December, 1920.

SCHOOLS	Grade 1b	Grade 1a	Grade 1Ib	Grade 1Ia	Grade 1IIb	Grade 1IIa	Grade 1Vb	Grade 1Va	Grade 1Vb	Grade 1Va	Grade 1Vb	Grade 1Vb	Grade 1Vb	Grade 1Vb	Grade 1Vb	Grade 1Vb	Grade 1Vb	Grade 1Vb	HIGH SCHOOL										Totals	
																			Class I	Class I'	Class II	Class II'	Class III	Class III'	Class IV	Class IV'	Post Grad.			
High .....																				172	144	183	94	136	47	126	51	5	958	
Swan Junior High .....													143	100	121	63	84													511
Centre .....															76	131														207
Washington .....						23	61	49	49	46	47	42																		317
Franklin .....							71	42	93	54	80	72																		412
Everett .....	46	26	43	19	25																									159
Osgood .....	25	15	15	14	10	9	22	11	16	16	13	14																		180
James .....	51	38	56	19	42	26																								232
Curtis .....	47	21	38	32	43	30	18																							229
Brooks .....				21	69	42	63	38	73	42	46	42	76	48	53															613
Gleason .....	49	24	33																											106
Hervey .....	37	31	36	25																										129
Lorin L. Dame .....					37	45	61	37	64	55	82	46	70	35																532
Hancock .....	52	26	53	22	32	27	29	15	27																					283
Craddock .....	43	17	33	23	24																									140
Hillside .....	70	26	41	28																										165
Lincoln .....					41	45	85	51	87	66	102	58	81	71	57															744
Tufts .....	87	46	84	54	38																									309
Fulton Street .....	50	16	30	15	29	12																								152
<b>Total Dec., 1920...</b>	557	286	462	272	390	259	410	243	409	279	370	274	370	254	307	194	256	144	183	94	136	47	126	51	5					6,378
<b>Total Dec., 1919...</b>	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
<b>Total Dec., 1918...</b>	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
<b>Total Dec., 1917...</b>	528	268	371	259	376	246	414	222	399	281	338	226	291	187	289	182	248	131	176	105	156	46	180	57	7					5,983

TABLE II.—NUMBER OF TEACHERS IN THE DIFFERENT DEPARTMENTS OF THE DAY SCHOOLS  
DECEMBER, 1920.

	Regular Day School Teachers			Supervisors and Special Instructors									Totals
	High School	Grades VII & VIII	Grades I-IV	Grammar Grades	Primary Grades	Music	Drawing	Physical Training	Sewing	Cooking	Mech. Drawing Woodwork Printing	Penmanship	
Male .....	12	5	0	0	0	1	0	1	0	0	3	1	23
Female .....	34	38	112	1	1	1	2	1	1	1	0	0	192
Total....	46*	43	112	1	1	2	2	2	1	1	3	1	215

Comparison with a similar tabulation for 1919 shows that eleven teachers were added to the staff in 1920.

\*Does not include six special teachers who devote part of their time to supervising work in other grades in the city.

TABLE III.—Average Age of Pupils in the Respective Grades,  
September, 1920.

PRIMARY							
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 4	7 0	7 6	8 2	8 3	9 3	9 8	10 3

GRAMMAR							
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 7	11 4	11 7	12 3	12 6	13 4	13 6	14 2

HIGH							
I	I'	II	II'	III	III'	IV	IV'
yr. mo.	yr. mo.	yr. mo.	yr. mo.	yr. mo.	yr. mo.	yr. mo.	yr. mo.
14 5	15 1	15 4	15 11	16 3	16 9	16 11	17 7

TABLE IV.—ATTENDANCE DATA, ETC., FOR THE SCHOOL YEAR ENDING JUNE, 1920

SCHOOL	No. of different pupils enrolled exclusive of re-enrollment in the City	No. of Boys	No. of Girls	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 Dismission
High .....	1059	492	567	965.6	891.7	92.35	.....	41	178	2748	1481
Swan Junior High.....	493	227	266	451.9	412.3	91.23	3	35	119	2510	374
Centre .....	188	82	106	191.5	177.9	92.86	.....	16	40	769	127
Washington .....	338	178	160	306.9	282.9	92.19	.....	6	18	167	59
Franklin .....	447	241	206	409.1	377.9	92.37	11	18	42	364	259
Everett .....	200	107	93	148.2	132.9	89.68	.....	.....	.....	170	52
Osgood .....	199	91	108	164.5	150.4	91.40	6	1	7	224	184
James .....	287	148	139	236.4	215.6	91.17	11	13	26	141	51
Curtis .....	256	136	120	204.8	188.5	92.03	.....	4	20	236	80
Brooks .....	589	302	287	531.8	491.9	92.49	.....	12	27	420	331
Gleason .....	114	67	47	88.5	78.5	88.64	1	2	7	112	71
Hervey .....	196	99	97	154.2	137.7	89.29	3	2	14	554	51
Lorin L. Dame.....	604	301	303	592.1	492.5	92.57	14	19	61	423	218
Hancock .....	345	176	169	291.7	264.2	90.59	.....	9	21	266	44
Cradock .....	178	88	90	138.2	123.4	89.25	2	.....	.....	172	54
Hillside .....	206	104	102	151.1	136.0	90.05	1	1	1	162	46
Lincoln .....	816	427	389	744.5	692.5	93.03	7	55	181	659	349
Tufts .....	368	193	175	277.8	247.4	89.05	1	22	70	380	122
Fulton Street .....	149	80	69	123.1	103.9	84.40	3	10	25	487	34
Totals .....	7032	3539	3493	6112.0	5598.2	91.59	63	266	857	10964	3987

## Table V.

## ANNUAL FINANCIAL EXHIBIT FOR 1919

## 1. General Statement

## Receipts

Original appropriation .....		\$343,678.00
Supplementary appropriations:		
Stewardship .....	\$3,000.00	
Textbooks and Supplies .....	5,289.77	
Fuel .....	27,828.31	
Repairs .....	6,164.28	
General Expense .....	486.64	
Evening School .....	250.00	
Retarded Pupils .....	500.00	
	<hr/>	\$43,519.00
From the following sources:		
Tuition from State wards .....	\$1,622.25	
Tuition for City of Boston wards .....	47.25	
Miscellaneous Credits .....	25.00	
Damage, Evening School unre- funded deposits, etc. ....	300.00	
	<hr/>	\$1,994.50
Total .....		<hr/> <hr/> \$389,191.50

## Expenditures

Teachers, Superintendent and Clerks .....	\$280,660.75	
Janitors, Engineer and Truant Officer .....	24,032.72	
Medical Inspector .....	500.00	
	<hr/>	\$305,193.47



Books and Supplies .....		\$17,286.63
Fuel .....		43,366.24
Repairs .....		11,464.19
General Expenses (Miscellaneous items not classified under the above headings) .....		7,895.76
Total expenditures for support of regular day schools .....		\$385,206.29
Evening Schools .....		2,131.51
Retarded Pupils .....		64.00
Summer School:		
Academic Department .....	\$608.80	
Manual Department .....	437.45	
		<u>\$1,046.25</u>
Total for Support of All Schools .....		\$388,448.05
Balance .....		743.45

## 2. Average Expenditure Per Pupil

### a. Regular Day Schools

(Based on the average membership of the schools for the fiscal year, 6168).

For teaching (including High School Clerk) ..	\$44.47
For Supervision (Superintendent and Clerks)	.95
For Janitors, Engineer and Truant Officer....	3.90
For Secretary of School Committee.....	.08
For Books .....	.90
For Supplies .....	1.97
For Fuel .....	7.03
For Repairs .....	1.89
For Medical Inspection .....	.08
For General expenses (Miscellaneous items not classified under the above heading).....	1.18
Total cost per pupil for day school purposes	<u>\$62.45</u>

**b. Evening School**

(Based on the average membership for the 16 weeks of the fiscal year that the school was maintained, 157.2).

For Teaching .....	\$12.04
For Janitors .....	1.06
For Books and Supplies .....	.41
For Printing .....	.05
	<hr/>
Total .....	\$13.56

**c. Summer School**

**Academic Department**

(Based on the average membership of the school, 110.2).

For Teaching .....	\$5.02
For Janitor Service .....	.30
For Supplies .....	.20
	<hr/>
Total .....	\$5.52

**Manual Department**

(Based on the average membership of the school, 129.3).

For Teaching .....	\$3.07
For Janitor Service .....	.21
For Supplies .....	.10
	<hr/>
Total .....	\$3.38

**3. Cost for High School Maintenance****a. Total Expenditure**

Salaries (teachers, janitors, engineer, clerk) ..	\$87,666.87
Books .....	1,383.56
Supplies .....	3,546.01
Fuel .....	9,287.89
Sundries .....	1,715.85
Repairs .....	1,292.55
	<hr/>
Total .....	\$104,892.73

**b. Average Expenditure Per Pupil**

(Based on average membership for the fiscal year, 1024.).

Salaries (teachers, janitor, engineer, clerk) ..	\$83.49
Books .....	1.32
Supplies .....	3.38
Fuel .....	8.85
Sundries .....	1.63
Repairs .....	1.23
	<hr/>
Total .....	\$99.90

**APPENDIX B**

1

**MEDFORD HIGH SCHOOL GRADUATION**

February six, Nineteen Hundred Twenty  
At eight o'clock in the evening.

---

**ORDER OF EXERCISES**

Entrance of Class

Address of Welcome by the President of the Class

James E. Fitzgerald

"Song of Sunrise".....Manney

School Orchestra

Essay, "He Can Who Thinks He Can"

Elizabeth M. Carleton

"Bells of Shandon".....Nevin

School Chorus

Selection, "Angel Face".....Herbert

School Orchestra

Valedictory Essay, "Our Pilgrim Fathers"

Barbara M. Carter

"Come Where the Lilies Bloom".....Thompson

School Chorus

**PRESENTATION OF DIPLOMAS**

By Hon. Benjamin F. Haines

"America"

## GRADUATING CLASS

---

Leila Burton Allen  
 Lillian Juliet Anderson  
 James Frederick Archibald  
 Anna Agala Baptiste  
 Helena Catherine Beatty  
 Grace Eleanor Boland  
 Pearl Anne Bornstein  
 Elizabeth Morris Carleton  
 Kathryn White Carpenter  
 Barbara Mary Carter  
 Joseph Thomas Comiskey  
 John Duffy Connors  
 Nellie Elizabeth Cronin  
 Leone Cunningham  
 Sarah Diamonds  
 Hope Adelaide Ellison  
 Gladys Ewell  
 James Edward Fitzgerald  
 Ann Frances Flanagan  
 John Winthrop Gahan  
 Laura Willett Gale  
 Hazel Gill  
 James Joseph Hartnett  
 Viola Christine Hobson  
 Helen Albertine Holbrook  
 Shirley Elizabeth Hollis  
 Marion Holtzgreen

David Hopkins  
 Jeannette Sherman Hurd  
 Lavina Allen Johnson  
 Gertrude Sophie Kramer  
 Evelyn Hazel Lee  
 Martha Du Bois Loveland  
 Constance Elizabeth Lynch  
 Hugh Francis McGoldrick  
 Christine Oulton MacLean  
 Hope Frances Manton  
 Frank Peveril Metcalf  
 Beatrice Genevieve Nestor  
 Edward Harry Newhall  
 Helene Eloise Ogden  
 Cora Horatia Peardon  
 Lillian Ethel Peters  
 Grace Julia Posselt  
 Alice Edith Potter  
 George White Pray  
 Joseph Edward Reagan  
 Marion Elizabeth Robinson  
 Catherine Cecilia Shine  
 Helen Henrietta Smith  
 Marion Winifred Snow  
 John Kenneth Sullivan  
 Irma Corrine Tatton  
 Doris Agatha Welch

## HONORABLE MENTION

---

Asterisks Indicate Advanced Work

Lillian Juliet Anderson.....	*Latin, French, *Mathematics
Pearl Anne Bornstein.....	Bookkeeping, Drawing
Elizabeth Morris Carleton.....	*English, *Latin, French
Kathryn White Carpenter.....	French
Barbara Mary Carter.....	*English, *Latin
Hope Adelaide Ellison.....	*English
Hazel Gill.....	*English, Stenography and Typewriting
James Joseph Hartnett	
	*English, Bookkeeping and Law, Stenography and Typewriting
Viola Christina Hobson.....	*Latin, French
Martha DuBois Loveland.....	*English, *Latin, French, *Mathematics
Constance Lynch.....	French, *Mathematics
Marian Elizabeth Robinson.....	*English, *Latin, *Mathematics
Helen Henrietta Smith.....	Drawing
Irma Corrine Tatton.....	*Mathematics

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Honorable mention is given in the following groups:—English, Latin, French, German, History, Science, Mathematics, Drawing, Commercial Subjects, on a basis of at least three years' work with fifty per cent. of the marks A.

## MEDFORD HIGH SCHOOL GRADUATION

June Eighteen, Nineteen hundred and twenty  
At eight o'clock in the evening.

---

### ORDER OF EXERCISES

Entrance of Class

Address of Welcome by the President of the Class  
William G. Berry

"Swing Along".....Cook  
School Chorus

Essay: "The Immigrant of Yesterday; The American of Today"  
Carmela M. Cerussi

Concert Suite .....Coleridge-Taylor  
(a) Demande et Reponse  
(b) La Caprice de Nannette  
School Orchestra

Valedictory Essay: "Our Schools, America's First Line of Defense"  
Christopher M. Conway

"Water Lilies".....Linders  
School Chorus

### PRESENTATION OF DIPLOMAS

By Hon. Benjamin F. Haines

"America"

## GRADUATING CLASS

Eric Anderson	Alfred Leslie Hopkinson
Grace Maria Ballou	Marion Elizabeth Jenkins
Walter Barnard	Helen Frances Johnson
Florence Mildred Bartlett	James Arthur Julian
Charlotte Beals	Gladys Christine Kiley
Robert Sanborn Begien	Mary Pearl Kinch
Esther Amanda Berglof	Catherine Vale Knock
William George Berry	Beatrice Olga Knox
Lena Louise Bomney	Everett Russell Knox
Frederick Lyman Bosworth	Velma Eleanor Lamb
Sarah Verna Boulter	Louise Frances Lindsey
Rachel Fletcher Bowden	Melvin Carl Lofquist
Ruth Winnifred Buzzell	Sarah Jane Lovell
Leonard Henry Campbell	Marjorie Emma Lovering
Pericles Canzanelli	Mabel Clarkson Lowry
Harold Clement Cashman	Beatrice Louise McLuire
John William Cass, Jr.	Gladys Justine Macaulay
Ruth Alexandria Catton	Leone Edna Mahoney
Carmela Mary Cerussi	Richard Marcy
John Elmer Chisholm	Lester Bertram Marshall
Mabel Gurney Clark	Marjorie Marson
Marion Estelle Clark	Frederick Joseph Meagher
Christopher Michael Conway	Mabel Edna Morehouse
Gertrude Mary Craft	Phillip Francis Nelson
Minnie Frances Cummings	Francis Anthony O'Brien
Katherine Curtis	Charles William O'Kelly
Eleanor Florence Cutler	John Bernard O'Leary
Dorothy Elizabeth Davidson	Helen Woolley Packard
Gertrude Rita Dwyer	Chester Gerald Pearson
Ethel Augusta Ekstrom	Gladys Estelle Perham
Bertha Clark Ellis	Fred Hiram Perrin
Scott Leroy Emerson	Lyndall Raymond Perry
Ralph Ellis Esner	Marjorie Georgine Pierce
Frederick Augustus Ewell	Raymond Manning Rice
Dwight Coolidge Farnham	Evelyn Ann Ritchie
Rebecca Tufts Farnham	Henry Edwin Ritchie
Elinor Miriam Finnon	Violette Eunice Robertson
Wilfred Webber Fossett	Alice Anne Rourke
Harry Bliss Foster	John Edmund Rowan
Clarence Jewell Fowler	Marieta Frances Russell
Edward Frazier	George Garrett Salsman
Helen Marshall Fynes	Helen Biewend Schmitz
Grace Adrienne Geary	James Merle Scribner
Agnes Emily Gerrard	Irma Leonora Selloy
Lillian Grahn	Kathleen Frances Sharkey
Mary Eileen Guthrie	Alfred Palmerston Sinclair
Leonard Hadley	William Terrill Smith
Elizabeth Anne Hall	Ruth Isabelle Spofford
Katharin Fay Howe	Edward Francis Talbot
William Benjamin Harris	Mary Louise Talbot



Charles Sumner Teel  
Josiah Richardson Teel  
Marjorie Diana Tyler  
Paul Dudley Van Auken  
Anthony Benjamin Vieira  
Arthur Waterbury  
Jean Tanton Wear

Clarence Gavett Wellington  
Louise Whitcomb  
Llewellyn Patten White  
Edmund Bruno Wilcin  
Doris Douglas Wilkins  
Elizabeth Stone Wood  
Rhoda Evelyn Young  
Simon Zinburg

## HONORABLE MENTION

Asterisks Indicate Advanced Work

Esther Amanda Berglof..	}	*English, Bookkeeping and Business Law, Stenography and Typewriting
Rachel Fletcher Bowden.....		Latin, French
Ruth Winnifred Buzzell.....		French
Carmela Mary Cerussi		
		*English, French, Bookkeeping, Stenography and Typewriting
Christopher Michael Conway.....		*English, French, Mathematics
Eleanor Florence Cutler.....		Freehand Drawing, *Household Arts
Dorothy Elizabeth Davidson.....		*English
Ralph Ellis Esner.....		Mathematics
Rebecca Tufts Farnham.....		*English, *Latin, French, Mathematics
Helen Marshall Fynes.....		*History
Grace Adrienne Geary.....		*English, *Latin, French, Mathematics
Lillian Grahm.....		English
Elizabeth Hall.....		Freehand Drawing
Catherine Vale Knoek.....		*English, *Latin, French, Mathematics
Mabel Clarkson Lowry.....		*English, *Latin, French, History
Phillip Francis Nelson.....		German
Helen Woolley Paekard.....		*English
Gladys Estelle Perham.....		German
Fred Hiram Perrin.....		*English, French, Mathematics
Marjorie Georgine Pierce.....		French
George Garrett Salsman.....		German
Irma Leonora Selloy.....		History
Kathleen Frances Sharkey.....		*Latin, Mathematics
Josiah Richardson Teel.....		*Latin, Mathematics

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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. Pupils Promoted to Grade 9B, February, 1920.

## Swan Junior High School

## Girls

Avora E. Albright  
 Dorothy A. Barr  
 Bernice B. Barton  
 Abby D. Blanchard  
 Elizabeth Downes  
 Ida R. Esner  
 \*Elizabeth Gahan  
 Lillian E. Hansen  
 Emily A. Harris  
 Vurell I. Harris  
 Dorothy G. Harvey  
 Dorothy H. Higgins  
 Bertha I. Hiscock  
 Anna L. Johnson  
 Selma N. Johnson  
 Pauline L. Lavery  
 H. Muriel Lord  
 Viola E. Lufkin  
 Helen Miga  
 Catherine M. Murphy  
 Alice Nickerson  
 Elena M. Rizzo  
 M. Josephine Rogers  
 Bernice E. Samson  
 \*Ruby E. Silver  
 Ruth Simpson  
 Grace R. Smalley  
 Ethel J. Smith  
 Bertha E. Stevens  
 Josephine Vitale

## Boys

J. Ashley Barnes  
 C. Warren Cameron  
 Charles J. Cathcart  
 H. Mortimer Center  
 Francis Connors  
 Edward J. Cunningham  
 Ralph Diamonds  
 Paul T. Donovan  
 Harold C. Foster  
 Lester R. Godwin  
 Harold O. Goodwin  
 W. James Gurney  
 Webber B. Haines  
 Henry D. Hormel  
 \*George R. McDonald  
 George R. McQuillan  
 Stanley W. Mann  
 John J. Manning  
 J. Harold Moody  
 William D. Myers  
 Theodore R. Peaslee  
 Clinton F. Rian  
 Abraham D. Risman  
 Louis J. Risman  
 \*Seriell Rogier  
 H. Gardner Smith  
 \*Ewart Thomson  
 Harry F. Voigt  
 Domenic J. Zampell

## Centre School

## Girls

Alice E. Abbott  
 Frances E. Abbott  
 Blanche E. Anderson  
 Mary A. Baptiste  
 \*Helen E. Barrows  
 Gertrude M. Bartlett  
 \*Arabelle H. Bridgham

## Boys

Armando J. Appiani  
 Peter J. Bowman  
 Jerome E. Boynton  
 Cecil C. Buck  
 Richard F. Coss  
 Gordon C. Couch  
 Donald F. Cutler

\*Did not enter High School.

## CENTRE SCHOOL—Continued

Girls	Boys
Grace M. Cafarelli	*Ralph Deering
Pearl Cafrella	Michael DeFina
Irene M. Charron	John C. Donahue
Elsie S. Clark	Theodore F. Dunn
Mary R. Cronin	Eli Fierman
Eileen L. Doherty	William J. Fitzgerald
Loretta C. Doyle	Raymond G. Gillis
Mildred P. Fierling	George D. Hall
Klara M. Gertz	Louis C. Hickman
Elizabeth M. Gray	Thomas F. Hunt
Marguerite H. Hanrahan	David S. Izen
Martha G. Hazelton	Edward N. James
M. Frances Henderson	G. Norman Johnson
Thelma C. Hersey	Joseph Juffre
Hilda M. Holton	Arthur D. Lezzette
Ruth Jayes	Alvin M. Litchfield
Thelma F. Jerguson	Gordon J. Maloney
Gertrude S. Johnson	Andrew A. Mangels
Vera A. Lenzi	Frank W. Marshall, Jr.
Lorna Lougee	Donald D. Moats
Pearl E. Lyman	P. Rockwell Morrill
Mildred MacBrine	Herbert E. Mosher
Marjorie E. McLaughlin	Charles H. Odams
Alice L. McNamee	Sidney E. Palmer
Isabel A. McNish	Richard J. Phelan
Kathleen V. Manley	Edward L. Ridley
Ruth Marden	Herbert D. Robinson
Louise G. Marsh	Stephen H. Santini
Thelma I. Maxfield	Cornelius A. Stewart
Mary P. Meer	Kenneth S. Wadman
Mary J. Merrigan	Charles W. Walls
Emma Nourse	
Hilda Parshley	
Muriel P. Purinton	
Marguerite H. Richardson	
Dorothy D. Rockwell	
Mildred E. Runnells	
Linnet B. Schwartz	
Winifred W. Soderlund	
Florence M. Stearns	
Margaret L. Sullivan	
Alice L. Tewksbury	
Genevieve L. Venuti	
Evelyn G. White	
Eileen D. Wholley	
Mildred D. Williamson	
Margaret E. Wilson	

\*Did not enter Ninth Grade.

Entered Grade 9B, February, 1920, 95 per cent.

## 2. Pupils Promoted to Ninth Grade, June, 1920.

## Swan Junior High School

## Girls

Olive T. Barker  
 Marion E. Barrows  
 Geraldine L. Beattie  
 Marie E. Blake  
 Mildred P. Callahan  
 Edith E. Cantell  
 Mary L. Center  
 Marion C. Coleman  
 Annie L. Conners  
 Josephine V. Conway  
 \*Mary L. Daniels  
 Dorothy W. Frazier  
 Dorothy P. Gaffney  
 Mary E. Garrity  
 Evelyn V. Gould  
 Marie Gullage  
 Edna E. Hardy  
 \*M. Hazel Harvey  
 Florence Hillson  
 Elizabeth K. Houston  
 Mary Karp  
 Helen Kelley  
 †Edith L. Letson  
 Elizabeth G. Lewis  
 Mary F. Lyons  
 Edith McCarthy  
 Marjorie L. McClellan  
 Grace L. McNulty  
 Martha R. MacQuestion  
 †Mary E. Mahoney  
 G. Arlene Mapplebeck  
 Frances R. Matthews  
 Naomi E. Milley  
 Esther K. Morang  
 †May G. Patten  
 Ruth I. Pendleton  
 Ruth L. Pickering  
 Dorothy F. Power  
 Katherine I. Quine  
 Evelyn M. Rae  
 Alice M. Rocheville  
 \*Florence E. Rogers  
 Ada Scott  
 Lillian H. Scott  
 Pauline J. Shenk  
 Phyllis L. Sherman

## Girls

Edith H. Sprott  
 \*Mary T. Templeton  
 Grace L. Uanna  
 Helena E. Vieira  
 \*Ruth L. Warrington  
 Dorothy E. White  
 Helen A. Wyman

## Boys

Harold T. Abbott  
 Arthur H. Anderson  
 Ralph J. Bennett  
 Harold C. Berg  
 Melville J. Blackwood  
 John J. Bray  
 Paul C. Bush  
 Robert W. Carder  
 Stanley C. Chapman  
 \*John E. Clear  
 J. Nelson Cowin  
 Frederick T. Cummings  
 H. Stanley Cushing  
 Francis G. Grady, Jr.  
 Hubert A. Gurney  
 G. Lewis Hodgkins  
 Robert C. Hollis  
 \*John E. Hughes  
 \*William E. Jones  
 Frank J. Leslie  
 Ervin S. MacDonald  
 †Francis E. McGoff  
 Ernest L. Marshall  
 Gerald A. Maurette  
 \*Albert P. Monighetti  
 Harrington Moore  
 Herbert A. Morrison  
 Michael F. Nigro  
 Joseph F. Orpen  
 Edmund A. Packard  
 Walter C. Phelps  
 Frederick J. Rahicki  
 Mark Shachoy  
 Harold V. Shiner  
 Carl G. Sproul

SWAN JUNIOR HIGH SCHOOL—Continued

Boys

Walter F. Steward  
Gerald R. Tatton  
\*Earle W. Tobin

Francis E. Tracy  
Milton H. Turner  
James H. Wallace  
Paul H. Welch

\*Did not enter Ninth Grade.

†Promotion gained in Summer School.

## Centre School

## Girls

Zilla J. Adams	Hilma S. Jackson
Gladys M. Allison	Pauline T. Keaney
Kathryn D. Ball	Doris O. Ketchum
Mabel E. Ballou	Constance A. Knight
K. Frances Barnes	Electa M. Lewis
Eloise G. Bartlett	Margaret P. Linnane
Margaret Bennett	Doris C. Litchfield
Marie V. Bowman	Edith L. Lothrop
Dorothy V. Bradshaw	*Katherine L. McBrearty
Isabella S. Brawley	Edith E. McCarthy
Arabelle H. Bridgham	Catherine E. McGuinness
Laura M. Brown	Theresa E. McManus
Doris Burnham	Alice V. Mahoney
Jennie Caliri	*Mary Marvel
Raffaella Canzanelli	Mary B. Mazerall
Barbara M. Casey	Mary Meehan
Mary E. Cassidy	*Helen J. Milward
*Agnes C. Cavagnaro	Agnes G. Murray
Gladys I. Christie	Helen E. O'Leary
Florence M. Clemmer	Edith E. Pasquale
Gretchen A. Cory	*Elmyra I. Patterson
Melba B. Davis	Geraldine M. Puffer
Elizabeth H. Derry	Mary A. Rappoli
Ethel L. Donovan	Ruth Rosen
Helen C. Dowd	Irene A. Ross
Dorothy E. Dunn	Winifred Russell
Leota A. Fales	Charlotte F. Sadler
Eleanor Fiske	Helen L. Sampson
Priscilla E. Frost	*Eva E. Sanborn
†Mary A. Gatchell	Alice L. Shaw
Grace G. Goudy	Helen G. Smith
Florence I. Green	†Louise Sprague
*Mabel E. Grell	Armanda M. Stagnaro
Margaret M. Griffin	Emma M. Steele
Mary A. Hanify	Edith A. Toperzer
Dorothea H. Hanscom	Ellen G. Trepaney
Doris Harris	Helen C. Ward
Selma Herman	Agnes C. Williams
Dorothy E. Heyworth	Alice Zack
Elfrieda G. I. Hoffman	Alice M. Zarella
*Leona L. Hutchinson	

\*Did not enter Ninth Grade.

†Promotion gained in Summer School.

## Centre School

## Boys

Walter E. Bacon, Jr.	C. Raymond Ketchum
Edward S. Boyington	Webster S. Knox
†Francis S. Brennan	Frank B. Larkin
Philip R. Bridges	Richard M. McCusker
†W. C. Norman Cassidy	James J. MacDonald
Edmund M. Cataldo	Hugo B. Manfre
*Arthur V. Cathcart	†Mark S. Menkello
Frank S. Coggin	Raymond W. Miller
John F. Coleman, Jr.	Arthur L. Mitchell
Henry S. Condon	Arthur M. Morrissey
John J. Coury	Edward J. Morton
John F. Conway	William H. Mosby
Joseph M. Costello	Francis J. Murphy
†K. Chester Delander	†Henry T. Norton
Joseph A. C. Delaney	*Clifford S. Nurse
Americo A. DelVecchio	†E. Francis O'Hearn
Roland N. Dunbar	Joseph A. Pettee
Gordon S. Ellis	Arthur W. Pierce
Arthur F. Flanagan	Chauncey C. Potter
†Winthrop D. Gillis	Walter Redpath
Joseph B. Grinnell	Sigrid I. Riis
James D. Gumbleton	Theodore P. Robinson
Arthur E. Hanington	James A. St. Louis
*Henry C. Heitz	Frederick G. Tebbetts
John J. Hogan	George R. Thompson
Walter A. Howell	Romeo Trebino
Bradley P. Howes	Frank R. Wheaton
William F. Huckins	*Raymond W. White
Joseph W. Kenny	

\*Did not enter Ninth Grade.

†Promotion gained in Summer School.

Entered Grade 9B, September, 1920, 91 per cent.



## APPENDIX D

## ORGANIZATION OF SCHOOL STAFF

December 31, 1920

(Full Face signifies attended without graduation.)

Teachers	Department	Where educated	When elected
Fred H. Nickerson, A. M.,	Superintendent,	Bates Harvard,	1909
<b>HIGH SCHOOL</b>			
James D. Howlett, A. B.,	Principal,	Colgate,	1912
Leonard J. Manning, A. B.,	Principal Emeritus,	Harvard,	1877
*Frank S. Gilkey, A. B.,	Sub-Master,	Harvard,	1897
†Sara A. Clapp,	Junior Sub-Master,	Paris, Gottengen,	1897
Leslie R. Carey, A. B.,	History, Civics,	Bates,	1919
Arthur J. Dows, Ph. B.,	History,	Brown University,	1920
S. Lester Duffett, B. S.	Dept. of Physical Science and Mathematics,	Bates,	1920
Edward J. Finnegan, A. B.,	English,	Boston College,	1920
Ralph L. Kendall, A. B.,	Mathematics,	Bates,	1908
Edward H. Leonard, A. B.,	General Science,	Dartmouth,	1920
James E. Mansfield, A. B.,	Mathematics,	Holy Cross,	1913
Fridolf H. Peterson,	French, Spanish,	Boston University,	1919
Philip I. Towle,	Dept. of Com. Subjects,	Bowdoin, Simmons, Boston University,	1917
Katherine L. Baker,	Cooking, Sewing,	Framingham Normal,	1919
Martha C. Bennett,	Stenography, Typewriting,	Mass. College of Commerce,	1911
Lillian M. Bowker, A. B.,	French,	Boston University,	1915
Frances D. Bryant, A. B.,	English,	Goucher,	1919
Emily P. Burdon, A. B.,	French,	Boston University,	1918
Lillian R. Edmands, A. M.,	Biology, Geography, Science,	Mt. Holyoke, Tufts,	1912
Daisy Ehler,	Stenography, Typewriting, Arithmetic,	Salem Normal.	1920
Grace Eyrick,	Bookkeeping, Arithmetic,	Malden Commercial.	1920
M. Gertrude Fairbanks,	Stenography, Typewriting,	Burdett's Business College,	1918
Abby R. Field, A. B.,	English, Latin,	Tufts,	1920

Mabel A. Gannett,	English,	Brown, Boston University,	1914
Marie L. Hatch, A. B.,	English, French,	Radcliffe,	1920
Gertrude F. Holland, A. B.,	French,	Tufts, Harvard,	1918
Ruth M. Killian, A. B.,	Mathematics,	Boston University,	1918
Esther E. Ladd, A. B.,	Latin,	Tufts,	1911
Ethel C. Lomasney, A. B.,	History,	Boston University,	1920
Grace H. Lundgren,	Stenography, Typewriting, Arithmetic,	Burdett,	1919
Rena G. Macomber, B. E.,	English,	Emerson,	1920
Gertrude A. Maycock,	Stenography, Typewriting,	Salem Commercial College,	1918
Eleanor M. Millard,	Bookkeeping, Arithmetic,	No. Adams, Mass. Normal,	1920
Laura P. Patten,	Dept. of Chemis- try and House- hold Science,	Salem Normal, Boston Univer- sity,	1897
Jennie M. Pedersen,	Bookkeeping, Arithmetic,	Salem Normal,	1916
Dora S. Perkins, A. B.,	English,	Boston University, Mt. Holyoke,	1916
Christine D. Ross,	French,	Steybeerisschen Inst, Leipsiz, La Sor- boone, Paris,	1915
Ruth Shaw,	English,	Wellesley,	1920
Grace N. Sherburne, A. B.,	English,	Jackson,	1920
Hila Helen Small, A. M.,	Dept. of English,	Boston University,	1915
Marcia H. Smith, A. B.,	Latin, German, Spanish,	Wellesley,	1909
Winnifred A. Thomas,	Stenography, Typewriting,	Salem Normal,	1920
Marguerite Turner,	Cooking,	Y. W. C. A. School,	1920
Antoinette T. Webb, A. B.,	English,	Maine University,	1920
Mary P. Webb,	Stenography, Typewriting,	Salem Commercial College,	1919
Miriam R. Woolley,	Sewing, Millinery,	Simmons College,	1915

\*Department of Ancient Languages

†Department of Modern Languages

## SWAN JUNIOR HIGH SCHOOL

George F. Weston, Jr. A. M., Principal,		Brown University,	1917
Cecilia A. McCarthy,	9B.,	Salem Normal, Bryant & Stratton Commercial School,	1910
Alma A. Thomas,	9B.,	Tufts College,	1910
Ruth E. Norris, A. B.	9B.,	Brown University,	1919
Mary A. Rowan, A. B.	9B.,	Boston University,	1919
Marion Pierce,	8A.,	Concord Training School,	1910
Bertha R. Davis,	8A.,	Fitchburg Normal,	1910
Anne Magennis,	8B.,	Salem Normal,	1919
Nellie B. Mansfield, A. B.,	8B.,	Tufts College,	1918
Gertrude B. Thyng,	8B.,	Farmington Normal, Me.,	1912
Gladys M. Morse, A. B.,	7A.,	Mt. Holyoke,	1920
Justin F. Jason,	7A.,	M. I. Technology, Hyannis Normal,	1920
Lucille M. Dunton,	7A.,	Somerville High,	1906
Alice D. Ayres,	7B.,	Norwich Academy,	1908
*Blanche Kaler,	7B.,		1920
Edna H. Pickard, A. B.	7B.,	Bates College,	1919
Sadie M. Lyle, A. B.	7B.,	Jackson,	1920
Olive F. Foster, Cooking,		Framingham Normal,	1920
Medora Adams, Assistant,		Minnesota University,	1919

## CENTRE SCHOOL

Elizabeth R. Carty, Prin.,	8A.,	Girls' High, Boston	1891
Frances M. Eastman, A. B.	8A.,	Smith College,	1902
Florence C. Bowen, A. B.	8A.,	Cornell University,	1920
Josephine E. Welsh,	8B.,	Salem Normal,	1917
*Mary A. Hogan,	8B.,		
Alice E. Roper, Assistant		Hyannis Normal,	1920

## WASHINGTON SCHOOL

Alice, D. Bowen, Principal,		Salem Normal, Radcliffe College,	1915
Annie E. Durgin,	6A.,	Salem Normal,	1877
Gertrude P. Daly,	6B.,	Salem Normal,	1901
Madeline E. Connor,	5A.,	Salem Normal,	1914
Alice Dugmore,	5B.,	Miss Fisher's Kg. Tr. School,	1920
Helen G. Manley,	4A.,	Salem Normal,	1916
Patience A. Browne,	4B.,	Salem Normal,	1920
*Anna C. Ingraham,	4B., 3A.,		

\*Substitute

FRANKLIN SCHOOL

Alice, D. Bowen, Principal,		Salem Normal, Radcliffe College,	1915
Mary Waitt,	6A.,	Coffin School, Nantucket,	1903
Ethel E. Asker,	6A.,	Fredericton Normal, N. B.,	1900
Gertrude Dwyer,	6B.,	Mt. St. Vincent College,	1916
Laura C. Cunningham,	6B.,	Salem Normal,	1919
Anna M. Roberts,	5A.,	Hyannis Normal,	1901
Anna DeAvellar,	5B.,	Salem Normal,	1915
Minerva M. Nickerson,	5B.,	Hyannis Normal,	1920
Celia L. Small,	4A.,	Machias Normal,	1920
Harriett B. King,	4B.,	Hyannis Normal,	1920
*Charlotte A. Post,	4B.,		

EVERETT SCHOOL

Ida L. Hartshorn, Principal,	3B., 2A.,	Medford High School,	1872
Alice C. Reed,	2B.,	Hyannis Normal,	1893
Margaret L. Purcell,			
	1A., 1B.,	Lowell Normal	1917
Ruth K. Burrage,	1B.,	Bridgewater Normal,	1898

OSGOOD SCHOOL

Helen V. Flagg, Prin.,	6A., 6B.,	Hyannis Normal,	1920
Mary L. Baxter,	5A., 5B.,	Salem Normal, Simmons College,	1918
A. Marie Neis,	4A., 4B.,	Bridgewater Normal,	1919
Bertha C. Brown,	3A., 3B.,	New Britain Normal,	1896
Josephine W. Leighton,	2A., 2B.,	Portland Training School,	1915
Lillian A. Lowell,	1A., 1B.,	Chelsea High,	1920

JAMES SCHOOL

Nellie M. Baker, Principal,	3A., 3B.,	Farmington Normal,	1897
Katherine M. Clark,	3B., 2A.,	North Adams Normal,	1908
Ruth S. Wardwell,	2B.,	Miss Wheelock's Kg. Tr. School,	1915
Marian Poole	2B., 1A.,	Bridgewater Normal,	1910
Anna S. Tucker,	1B.,	Miss Symonds' Kg. Tr. School,	1914
Phyllis E. Robertson,	1A., 1B.,	Farmington Normal,	1920

\*Substitut.

## CURTIS SCHOOL

Emma J. Bresnahan,	4B., 3A.,	Salem Normal,	1907
Melissa J. Hargraves,	3A., 3B.,	Miss Perry's Kg. Tr. School,	1917
Amy W. Bradbury,	3B., 2A.,	Salem Normal,	1909
Jennie S. Archibald, Prin.,	2A., 2B.,	Medford High School,	1890
Agnes G. Sweeney,	2B., 1A.,	Salem Normal	1903
*Ruth Griffin,	1B.,		

## BROOKS SCHOOL

Bertrand Hooper, Principal,		Boston University, Burdett Business College,	1918
Gertrude S. Light,	SB.,	Girls' High, Boston,	1884
Principal's Assistant,			
Bertha E. Forster,	SB.,	Fitchburg Normal,	1903
Marian S. Clark, A. B.,	7A.,	Boston University,	1920
Harriett B. Garritt,	7B.,	Framingham Normal,	1911
Gladys V. Craft, A. B.,	7B.,	Colby,	1920
Ethel M. Crook,	6A.,	Eastern State Normal,	1916
Annie S. Melrose,	6B.,	Keene, N. H. Normal,	1919
Alice F. Wilbur,	5A.,	Bridgewater Normal,	1889
Helen I. Whipple,	5B.,	Boston University, Hyannis Normal,	1920
Ervel Orchard,	5B.,	Lowell Normal,	1920
Annie P. Danforth,	4A.,	Salem Normal,	1903
Annie W. Hubbard,	4B.,	Bradford Academy,	1897
H. Lillian Robinson,	4B.,	Lowell Normal,	1919
Ona L. Smith,	3A.,	Gorham Normal,	1920
Mabel E. Sweet,	3B.,	Eastern State Normal,	1918
Jeanette M. Falconer,	3B., 2A.,	Perry Kg. Tr. School,	1918

## GLEASON SCHOOL

Catharina W. Billings, Prin.	2B., 1A.,	Quincy High,	1892
Alice L. Bryan,	1B.,	Miss Symond's Kg. Tr. School,	1895
Catherine M. Bray, Assistant,		Salem Normal,	1920

## HERVEY SCHOOL

Ella L. Alden, Principal,	2A.,	Medford High,	1883
Kathleen V. O'Hara,	2B.,	Boston Normal,	1911
Alice R. Sprague,	1A.,	Miss Wheelock's Kg. Tr. School	1902
Mildred R. Evans,	1B.,	Lesley Normal,	1920

\*Substitute

LORIN L. DAME SCHOOL

Galen W. Flanders, Prin.		Bridgewater Normal, Harvard,	1910
Mary E. Frye,	7A.,	Farmington Normal, Me.,	1912
Principal's Assistant,			
Ila D. Berry,	7B.,	Bridgewater Normal,	1918
Vandelia Dexter,	7B.,	Salem Normal,	1909
A. Gertrude Sharkey,	6A.,	Salem Normal,	1914
Annie M. Henderson,	6B.,	Coburn Institute,	1914
Minnie E. Provo,	6B.,	Hyannis Normal,	1914
Gladys Jenkyn,	5A.,	Gorham Normal, Simmons,	1920
Edna Davis	5A.,	Plymouth, N. H. Normal,	1920
Josie L. Blakely,	5B.,	Salem Normal,	1904
*Florence K. Watkins,	5B.,		
Ruth A. Brown,	4A.,	Hyannis Normal,	1917
Della E. Joslin,	4B.,	Bridgewater Normal,	1902
Kathryn Campbell,	4B., 3A.,	Bridgewater Normal,	1920
Genevieve F. Kane,	3A.,	Gorham, Me., Normal,	1916
Emma A. Davis,	3B.,	Medford High,	1886

HANCOCK SCHOOL

Ida B. Jacques, Prin.,	5B., 4A.,	Aroostook State Normal,	1916
Mildred A. Whitman,	4B.,	Boston University,	1919
Elsie D. Buswell,	3A.,	Plymouth, N. H. Normal,	1920
Winifred M. Crockwell,	3B.,	Salem Normal,	1908
Abbie C. Moxley,	2A., 2B.,	Castleton Normal,	1917
Laura A. Hillman,	2B.,	Miss Fisher's Kg. Tr. School,	1917
Lena R. Volpe,	1A., 1B.,	Miss Wheelock's Kg. Tr. School,	1914
Annie M. Jenness,	1B.,	Froebel Kg. Tr. School,	1912
Alice E. Roper, Assistant,		Hyannis Normal,	1920

CRADOCK SCHOOL

Adelaide S. Herriott, Prin.	3B., 2A.,	Hyannis Normal,	1878
Alice G. Phemister,	2B.,	Miss Perry's Kg. Tr. School,	1905
Elizabeth Van H. Frame,	1A., 1B.,	Castine Normal, Me.,	1915
Miriam P. Clark,	1B.,	Lowell Normal,	1910

\*Substitute

## HILLSIDE SCHOOL

Cora M. Gordon,	2A., 2B.,	Bangor Tr. School,	1907
Mabel T. Kalloch, Principal,	2B., 1A.,	Farmington Normal, Me.,	1909
Ora I. Chick,	1A., 1B.,	Indiana State Normal,	1919
Rachael Osgood,	1B.,	Northfield Seminary,	1919

## LINCOLN SCHOOL

George W. Parsons, A. M., Principal,	Bowdoin,	1890
Rhoda C. Slate,	8B., Westfield Normal,	1901
Principal's Assistant,		
Lenora Coombs,	8B., Castine Normal,	1919
Annie E. Barbeau,	7A., Denver City Normal,	1901
Adella L. Adams,	7A., Hitchcock Academy,	1916
Marie V. Davis,	7B., Jackson,	1920
Maria F. May,	7B., Smith College, Hyannis Normal,	1919
Mary E. Gorman,	6A., Salem Normal,	1907
Retta R. Barrett,	6A., Westfield Normal,	1905
E. Alice Payn-Sills,	6B., Provincial Normal, N. B.,	1892
Anna D. Rose,	6B., Salem Normal,	1915
Hazel A. Steele	5A., Highgate Normal,	1920
Alice H. Moore,	5A., Bridgewater Normal,	1904
Martha S. Wheeler,	5B., Salem Normal,	1914
Bertha W. W. Rice,	5B.,	1920
Doris G. Veinotte,	4A., Provincial Normal,	1920
Emma B. Ketchen,	4A., 4B., Lowell Normal,	1919
Amey C. Dyar,	4B., Miss Wheelock's Kg. Tr. School,	1919
Edith G. Wheaton,	4B., 3A., Salem Normal,	1915
Grace Titcomb,	3A., Salem Normal,	1911
Helen J. Gray,	3B., Miss Wheelock's Kg. Tr. School,	1918

## TUFTS SCHOOL

Jessie M. Dinsmore, Prin.,		Hyannis Normal	1885
Mary I. Phemister,	3B.,	Chelsea High	1897
Ada V. Dolan,	2A.,	Salem Normal,	1915
Mary A. Gilligan,	2A.,	Boynton High, Eastport, Me.,	1916
Emma E. Whitney,	2B.,	Framingham Normal,	1894
Jane M. Barnard,	2B.,	Miss Symond's Kg. Tr. School,	1896
Helen L. Whalen,	1A.,	Salem Normal,	1918
Marion P. Goodwin,	1B.,	Miss Symond's Kg. Tr. School,	1910
Helen A. Griswold,	1B.,	Lesley Normal,	1919

**FULTON HEIGHTS SCHOOL**

Mary Coffey, Prin.,	3A., 3B.,	Salem Normal,	1915
Clara Crowe,	2A., 2B.,	Salem Normal,	1918
Mac M. Innis	1A., 1B.,	Salem Normal,	1920
*Betsy S. Chalmers, Assistant,			

**SPECIAL TEACHERS**

Elizabeth T. Newell, B. S., Grammar Supervisor,	Columbia University, Gorham Normal, Me.,	1914
Margaret E. Grady, Primary Supervisor.....	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, Asst., Drawing.....	Normal Art School,	1919
Elma M. Soderquist, Sewing.....	School of Domestic Science,	
	Simmons College,	1911
Marion Buttrick, Domestic Science, Sewing.....	Simmons College,	1918
Joseph T. Whitney, Manual Training.....	M. I. Technology,	1894
Melvin V. Weldon, Asst., Manual Training.....	Wentworth Inst.,	1912
Gunnar S. Gustafson, Asst., Manual Training..	Sloyd Train. School,	1918
Pauline W. Ohellis, Gymnastics.....	Boston School of Physical	
	Education,	1919
William H. Whiting, B. P. E., Gymnastics, Springfield Y. M. C. A.,		1920
Clifton W. M. Blanchard, Penmanship.....	Bridgewater Normal.	1911

**EVENING SCHOOL**

Clifton W. M. Blanchard, Principal.....	Penmanship
Cecelia A. McCarthy, Supervisor H. S. Dept.....	Bookkeeping
Melvin V. Weldon.....	Mechanical Drawing
Lawrence A. Cunningham.....	Non-English Speaking Class
Josephine W. Leighton.....	Non-English Speaking Class
Mary P. Webb.....	Stenography
Daisy Ehler.....	Stenography
Josephine Wentworth.....	Typewriting
Elma A. Thomas.....	Typewriting
Ralph L. Kendall.....	Commercial Arithmetic
Bertha W. Rice.....	Business English
Roy W. Hill.....	Grammar School Subjects
Josephine E. Welsh.....	Grammar School Subjects

**ATTENDANCE OFFICER**

Thomas F. McGuine

**MEDICAL INSPECTOR**

Edward W. Barrett, M. D.

**SCHOOL NURSE**

Mary C. Hoisington

\*Substitute



## JANITORS

Frank P. Pierce, 200 Salem Street.....	High School
Arthur D. Chickering, 227 Salem Street.....	Engineer, High School
Daniel H. Prescott, 16 Summer Street.....	Fireman, High School
Matthew L. Kelley, 36 Tainter Street.....	Swan Junior High School
Elvin Johnson, 5 Allen Court.....	Washington and Everett Schools
George S. Lambert, 390 Salem Street.....	Franklin School
Lawrence J. Carew, 41 Martin Street.....	Gleason and Brooks Schools
Dennis J. Connors, 42 Summer Street.....	Centre and Cradock Schools
George E. Giles, 78 Bromfield Road, Somerville	Lorin L. Dame and Hancock Schools
Wilford N. Parkin, 15 Irving Street, West Medford	Hervey and Hillside Schools
Edgar A. Hall, 6 Simonds Court.....	Curtis School
Charles B. Fales, 39 Walnut Street.....	James and Osgood Schools
Charles H. Abbott, 189 Salem Street.....	Fulton Street School
John Boleyn, 49 Frederick Avenue.....	Tufts School
Albert Taintor, 45 Albion St.....	Lincoln

# Report of the Trustees of Public Library

---

Medford, February, 12, 1921.

Hon. Benjamin F. Haines,  
Mayor of Medford.

Sir:

The Trustees of the Public Library herewith present their annual report for the year 1920.

As in years past we feel that we may report progress in the service we have rendered the public. While all of their wants may not have been fully supplied it is probably fair to say that any really deserving demand has been met in some way and usually to the satisfaction of the patron.

The value of the library consists in its ability to keep abreast of the times and to furnish as many of our citizens as possible with such books as they may need for their education, instruction and pleasure.

While the library is essentially a strong factor in the scheme of public and free education the fact must not be overlooked that we endeavor to serve all who come to us whether for study or entertainment, feeling that the use of any book will surely sooner or later result in such use of the library as will be beneficial both to the individual and the community.

While many of our citizens use the library, there are very many who do not. This may be due in a large extent to the fact that our city is so divided into small outlying centers with no convenient means of transportation to the library.

To be on a par with surrounding cities we should eventually have one or more branches where a collection of books could be kept and a competent attendant provided to care for them properly. Inasmuch as the safety of this country depends upon the intelligence of the people it behooves us to provide the proper books and to place them where they are readily accessible to all.

Our wants never seem to grow any less.

We have asked for and hope to obtain an appropriation sufficient to paint and repair the outside of the two buildings and trust that we may be able to do this much this year.

Our shelf room needs to be enlarged both for the proper storage facilities that will be afforded the books and for the convenience of the public.

An endowment fund would help wonderfully in our work and perhaps by calling attention to it often enough we may induce some one to remember us and in helping the library honor himself.

We ought not to stand still and in order to advance we must have means with which to work.

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

### Report of the Librarian

To the Trustees of the Medford Public Library:

Gentlemen:—The sixty-fifth report of the Public Library is herewith submitted together with our annual plea for more assistance and more book room. We have today only the same number of assistants that we had twenty years ago. The library during those twenty years has been constantly growing and the demands made upon its resources steadily increasing. With regard to lack of space, still worse is the only report that can be made. At the close of the year the library numbered 58,532 books; to hold our readers we need more, not fewer books.

One thousand three hundred and twenty-nine new registrations were received in 1920, making our total of borrowers 10,652. A new registration will begin directly following the February school promotions in order to avoid unnecessary changes in school addresses.

There have been two changes in the personnel of the staff. To the regret of every one connected with the library, Miss Aimée F. Draper resigned in February to take a better paid position in her home town. Miss Helen M. Lockwood was appointed in March to take charge of the Reference Room. In June Miss Hepsie W. Symmes resigned to assume new duties in consequence of a death in her family. Miss Symmes had been in continuous service in the library from June, 1876, until the time of her resignation, and had many friends among the older constituents of the library. Miss Auita Woodward, who at the time of Miss Symmes's resignation was acting as pupil assistant and on half-time service for the library was appointed by your Board a regular member of the staff. Both Miss Lockwood and Miss Woodward have been most faithful in the performance of their duties. It must be remembered that as Miss Woodward at the time of her appointment was working on part time, we have a smaller force than at the beginning of the year. I earnestly urge the appointment of at least one more assistant in justice to both the public and the present force. A glance at the rapidly increasing pile of books in need of repair makes the stoutest heart quail, more especially that the increased cost of books brings no improvement in their physical make up. It is not unusual to be forced to withdraw a new book after three or four times circulating.

### Circulation

The total number of books circulated in 1920 was 94,100, a gain of 3000 over that of last year. These figures would be much larger if we were able with our small force to do more of the extension work that other libraries are

doing. It is impossible, however, for the same number of workers that we had in 1901 to assume more labors. It must be borne in mind that while figures of circulation in other libraries often represent work done in the branches by a separate corps of assistants, the entire work of charging and discharging books for all the Delivery Stations is done in the Main Building with the single exception of that done in the Children's Building. One thousand six hundred and thirty-six books are kept regularly in the public schools, not including extra books requested by teachers; we have also placed a small collection of books on Child Welfare and Public Health Nursing in the Red Cross rooms. We are told that parents waiting for conferences get benefit from reading the books. The Central Fire Station makes frequent exchanges of books and stereographs; we hope very soon to send a collection to the new quarters of the Girls' Community Club. Only a very small percentage of our population lives within walking distance of the library, an item it is well to remember should fortune ever favor us with a new and commodious building. The cost of those who live at a distance is the price of two ear fares—twenty cents; it is small wonder that such persons presumably having paid the same amount in going to and from work, find it cheaper to patronize the circulating libraries in the city.

No effort to reach the public by advertising has borne such good fruit as that of the show window in Medford Square, early in the year. We are under great indebtedness to the Medford Woolen Manufacturing Company and to Mr. Gibbs for the use of the window. Six months after we were obliged to give up the experiment we have had calls for books which were on exhibition several months before. If possible to secure another window in or near the Square, I feel sure it would be a profitable investment even at some expense of rental.

A comparison of the reading of 1920 with that of 1919 shows a decrease of interest in history, more especially in books about the European war. We issued 752 less war

books this year than last; there has been an increase of interest in economic and other conditions existing before the war and on questions of international politics. Works of general literature, including poetry and the drama gained 1,254 over their circulation of last year, while biography, travel, science and the arts show substantial gains. Fiction reading continues its giddy pace; its speed limit this year being 49,906, just 50 per cent of the entire circulation, of which less than a third can be attributed to the Children's Department.

### Gifts

Contributions to the Reading Room have been as follows: The Auk, Mrs. Edmund Bridge; Cape Cod magazine, Miss Ada L. Briggs, Cambridge; Daughters of the Revolution magazine, the Sarah Bradlee Fuller chapter of the D. A. R.; Harvard Graduates' magazine, Mr. Rosewell B. Lawrence; The Open Road and Our Dumb Animals by anonymous givers, Technology review and Current affairs, Mr. E. B. Moore.

To Miss Katharine H. Stone of West Medford, a warm and generous friend of the library, we are indebted for the gift of twenty dollars to be credited to the West Medford Reading Club's contribution for books on Social and Economic questions. Other gifts have been from the Free Public Library Commission, 15 Polish and Italian books; 11 Spanish and French books from Mr. Clarence E. Wentworth; Miss Helen A. Whittier, Boston, 13 books; Mrs. Anne Read, 43 books; Miss Harriet McGill, 9 French books; the Misses Charlotte and Emily Hallowell, 125 pictures and 17 books; Mr. H. L. Fraser, 4 books; Mrs. Shepard Brooks, 2 volumes; Miss Margaret Conant, 22 books; Mr. J. Mott Hallowell, 1 book; Mrs. Lyman Sise, 1 book; Friends of Irish Freedom, 1 book; Knights of Columbus, 1 book; Miss E. M. Gill, a number of interesting curiosities. Through the liberality of the Medford Shakespeare Club,

Odell's Shakespeare from Betterton to Irving has been added to the Reference Library; from the same source several of Gilbert Murray's translations of the Greek dramatists were received, in memory of one of its much loved members. We acknowledge with pleasure the fine crayon portrait of Mrs. Carolin R. Lawrence, which she was persuaded to have placed in the Children's Building which she had given to the Library. It is fitting that the children who come to the Library should be able to visualize the features of one to whom they owe their present cosy quarters.

Besides these gifts, we have had two valuable portraits lent to us by the Misses Hallowell of Mystic St., West Medford. One portrait is that of a boy, formerly supposed to be a son of John Hancock, painted by Copley, the other that of an unknown lady by Smibert, an American artist, living a century before Copley. These portraits being hung in the Delivery Room attracted much attention. The Misses Hallowell have also lent for the winter a fine collection of early printed books and illuminated missals. These are now on exhibition in the Bishop case in the stack room.

### Delivery Stations

All efforts to improve the delivery service have so far been unsuccessful. Deliveries are irregular, possibly unavoidably so; they are often received at the crowded hours, when it is impossible to attend to them and the waiting public at the same time; or, the books are brought for exchange when only one person is on duty, as at the noon hour, when it is equally inconvenient to attend to them. Until we can have branch libraries in different parts of the city, the most feasible plan seems to be to have a book wagon to carry the books directly to the houses; it would also serve as an advertising medium, collect overdue books, and accomplish sundry other duties which take time which should be spent inside the library.

Work

704 books have been prepared for binding, which includes collating and mending. More books than last year have been cleansed and mended, but still the pile increases with little prospect of reduction without more trained help to release those for this purpose who are not so fully trained. 356 magazines and 15 novels have been given us for the soldiers' hospitals. Miss Harriet H. Hatch has taken the most of these to the Parker Hill hospital.

Tabulated statistics follow:

Medford Public Library

Free for lending and reference.

Agencies .....			4
Days open during the year (Main building).....			304
Days open during the year (Children's building).....			303
	Adults	Children	Total
Number of volumes at beginning of year..	47,348	9,266	56,614
Added by purchase .....	1,456	316	1,772
Added by gift .....	87	23	110
Added from the Reading Room.....	50	4	54
	<hr/>	<hr/>	<hr/>
	48,941	9,609	58,550
Discarded and lost .....			18
			<hr/>
Total number at the end of the year.....			58,532

Additions to the Library by Purchase

General Works .....	1
Philosophy and Religion .....	26
Biography .....	127
History .....	133
Description and Travel.....	126
Social sciences .....	225
Natural science .....	93
Useful Arts .....	168
Fine Arts .....	50
Language and literature .....	335
Fiction .....	488
	<hr/>
	1,772

Respectfully submitted,  
A. L. Sargent, Librarian.



We recommend an appropriation of \$15,290.00 for the support of the Public Library for the coming year.

ERNEST B. MOORE,  
EDWARD M. BARNEY,  
ALLAN A. CLAFLIN,  
Trustees of the Public Library.

# 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 31, 1920.

Whole number of arrests.....	741
Males .....	705
Females .....	36
Adults .....	595
Minors .....	146
Residents .....	605
Non-residents .....	136
Arrested on warrants.....	125
Arrested without warrants.....	174
Arrested on summonses.....	442
Held for trial.....	730

## Cause of Arrest

Accosting person of opposite sex.....	1
Adultery .....	4
Attempt to rescue prisoner.....	1
Assault and Battery.....	32
Assault, Felonious .....	3
Assault on an Officer.....	2
Attempt to Commit a Crime.....	1
Auto operating while under the influence of liquor....	4

Auto, unlawful operating of.....	1
Bastardy .....	3
Breaking, Entering and Larceny.....	21
Bigamy .....	1
Causing disturbance in public place.....	3
Cruelty to Animals.....	2
Carrying a concealed weapon.....	1
Conspiracy .....	4
Default .....	7
Disturbing the Peace.....	1
Drunkenness .....	57
Deserter U. S. Army.....	2
Evading Car Fare.....	1
Escaped Prisoners .....	10
Failing to cause a child to attend the public schools....	1
Fugitive from justice.....	3
Gaming or present at.....	12
Insane .....	18
Insufficient weight, Ice.....	4
Larceny by false pretence.....	1
Larceny .....	67
Larceny, Felonious.....	1
Lewd and Lascivious Conduct.....	1
Manslaughter .....	2
Milk bottles, unlawful use of.....	3
Non-support .....	29
Neglected Children .....	1
Non-support of parent.....	1
Non-support of illegitimate child.....	1
Obscene pictures, in possession.....	1
Riding Bicycle on Sidewalk.....	1
Railway Car, obstructing of.....	1
Safe Keeping .....	5
Stubborn Child .....	5
Sounding false alarm of fire.....	4
Trespass .....	8
Truants .....	6

Throwing stones at railroad train.....	1
Unnatural Act, committing.....	1
Auto Laws, violation of.....	271
Violation City Ordinance.....	21
Violation of Board of Health Laws.....	3
Violation of Lord's Day.....	40
Violation of Milk Law.....	1
Violation of Liquor Law.....	7
Violation of Traffic Rules.....	39
Violation of Probation.....	8
Violation of Fire Prevention Rule.....	1
Violation of Labor Laws.....	1
Wilful injury to property.....	5

**Miscellaneous Work**

Amount of property reported stolen.....	\$13,567.71
Amount of property recovered by police.....	18,108.24
Accidents reported.....	124
Buildings found open and secured.....	212
Cases investigated.....	1279
Defective streets and sidewalks reported.....	225
Defective water pipes reported.....	35
Defective sign posts reported.....	14
Defective vaults and drains reported.....	30
Defective wires reported.....	127
Dead bodies cared for.....	12
Disturbances suppressed.....	37
Dogs killed.....	16
Extra hours duty done by officers with pay.....	4251
Fire alarms reported rung by officers.....	2
Intoxicating Liquor seized.....	\$2,545.00
Fires extinguished without alarms by officers.....	15
Gas turned off in buildings.....	3
Horses found cast or loose in stables.....	2
Lanterns placed on defects in street.....	41
Lost children returned home.....	48

Notices posted and delivered.....	834
Number of runs of patrol wagon.....	2203
Number of miles run.....	14,899
Sick and injured persons assisted.....	123
Stray teams cared for.....	3
Street obstructions removed.....	12
Street lights reported out.....	602
Search warrants served.....	4
Seizures made .....	6
Water running to waste.....	20
Officers' extra hours of duty at fires.....	282
Officers at Court.....	217
Officers' extra duty without pay.....	1242
Broken glass reported in street.....	30
Dangerous trees reported.....	52
Dead animals in street reported.....	30
Dangerous poles reported.....	13
Cats, shot, injured .....	12
Suicides reported .....	2
Stray animals reported and cared for.....	9
Pulmotor used .....	1
Runaway horse caught.....	1
Stray deer found.....	1

#### Prisoners Delivered to Officers of Other Cities

##### Delivered to:

An officer from the Middlesex Training School....	8
Officers from other cities.....	27
Charlestown Navy Yard .....	1
Federal Officers .....	2
Mass. District Police .....	1
Metropolitan District Police.....	1
Div. Commander of Custom House, Boston.....	1

Respectfully submitted,

JOHN F. WELCH,

Chief of Police.

# Report of the City Treasurer

---

January 1st, 1921.

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, 1920.....	\$ 219,229 94
Receipts to December 31st, 1920.....	2,659,257 59
	<hr/>
	\$2,878,487 53
Expenditures to December 31st, 1920.....	2,697,612 54
	<hr/>
Cash in Treasury January 1st, 1921.....	\$ 180,874 99

Respectfully submitted,

EDWARD A. BADGER,  
City Treasurer.

# Report of the City Collector

---

Medford, Mass., January 1, 1921.

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 31, 1920:

## Taxes of 1920

Total of Warrants.....	\$1,217,943 53	
Reassessed .....	187 74	
Collected and paid Treasurer..		\$860,850 24
Abated .....		8,284 19
Uncollected January 1, 1921..		348,996 84
	<hr/>	<hr/>
	\$1,218,131 27	\$1,218,131 27

## Taxes of 1919

Uncollected January 1, 1920...	\$344,871 09	
Reassessed .....	161 70	
Collected and paid Treasurer..		\$278,262 93
Abated .....		2,264 46
Erroneously credited to Costs		20
Transferred from Interest to adjust error .....		01
Uncollected January 1, 1921..		64,505 19
	<hr/>	<hr/>
	\$345,032 79	\$345,032 79

**Taxes of 1918**

Uncollected January 1, 1920..	\$80,323 90	
Erroneous Credit .....	12	
Reassessed .....	9 04	
Collected and paid Treasurer..		\$76,834 83
Abated .....		2,086 92
Uncollected January 1, 1921..		1,411 31
	<hr/>	<hr/>
	\$ 80,333 06	\$ 80,333 06

**Taxes of 1917**

Uncollected January 1, 1920..	\$4,064 44	
Recovered back from Treasurer —overpayment .....	6 42	
Reassessed .....	8 56	
Collected and paid Treasurer..		\$ 201 84
Abated .....		3,874 86
Uncollected January 1, 1921..		2 72
	<hr/>	<hr/>
	\$4,079 42	\$4,079 42

**Taxes of 1916**

“Collections after abatement”		\$ 76 51
Reassessed .....	\$ 7 92	
Transferred to Street Water..	5 11	
Transferred to Gypsy and Brown Tail Moth.....	32	
To adjust report of collections “Collections after abatement”	71 08	
Adjusted by Auditor to close account .....		
Collected and paid Treasurer.		7 92
	<hr/>	<hr/>
	\$84 43	\$ 84 43



## REPORT OF CITY COLLECTOR

**December Taxes 1920**

Warrant .....	\$502 13	
Collected and paid Treasurer..		\$ 50 66
Abated .....		17 88
Uncollected January 1, 1921..		433 59
	<hr/>	<hr/>
	\$502 13	\$502 13

**December Taxes 1919**

Uncollected January 1, 1920..	\$ 39 69	
Collected and paid Treasurer.		\$ .39 69
	<hr/>	<hr/>
	\$ 39 69	\$ 39 69

**December Taxes 1918**

Uncollected January 1, 1920..	\$ 22 60	
Collected and paid Treasurer		\$ 22 60
	<hr/>	<hr/>
	\$ 22 60	\$ 22 60

**December Taxes 1917**

Uncollected January 1, 1920.	\$220 42	
Abated .....		\$220 42
	<hr/>	<hr/>
	\$220 42	\$220 42

**Street Watering Assessments**

Uncollected January 1, 1920..	\$7,421 76	
Collected 1919 Account .....		\$3,783 46
Collected 1918 Account .....		2,289 00
Collected 1917 Account .....		7 08
Abated 1919 Account .....		9 98
Transferred from Real Estate		
1916 .....		5 11
Uncollected January 1, 1921.		1,327 13
	<hr/>	<hr/>
	\$7,421 76	\$7,421 76

**Gypsy and Brown-Tail Moth Assessments**

Uncollected January 1, 1920..	\$	32	
Transferred from Real Estate 1919 .....			\$ 32
		<hr/>	<hr/>
	\$	32	\$ 32

**Mosquito Assessment 1913**

Uncollected January 1, 1920..	\$3,481 72	
Uncollected January 1, 1921..		\$3,481 72
	<hr/>	<hr/>
	\$3,481 72	\$3,481 72

**Sewer Assessments**

Uncollected January 1, 1920..	\$3,365 65	
Apportioned .....		\$ 586 19
Abated .....		456 15
Collected and paid Treasurer.		1,956 35
Uncollected January 1, 1921..		366 96
	<hr/>	<hr/>
	\$3,365 65	\$3,365 65

**Sewer Apportionments**

Uncollected January 1, 1920..	\$716 92	
Warrants for 1920.....	753 08	
Reassessed 1918 Account.....	7 08	
Apportionments paid in ad- vance .....	127 97	
Collected 1920 Account and paid Treasurer .....		\$528 89
Collected 1919 Account and paid Treasurer .....		471 10

Collected 1918 Account and paid Treasurer .....		\$ 209 60
Abated 1918 Account.....		7 08
Erroneously credited to Real Estate 1918 .....		12
Apportionments paid in ad- vance collected and paid Treasurer .....		127 97
Uncollected January 1, 1921..		260 29
	<hr/>	<hr/>
	\$1,605 05	\$1,605 05

#### Sewer Connections

Uncollected January 1, 1920..	\$2,566 75	
Schedules No. 150-154 inclu- sive committed .....	9,164 63	
Apportioned .....		\$2,573 88
Added to 1920 Taxes.....		1,311 89
Collected and paid Treasurer.		4,987 72
Uncollected January 1, 1921..		2,857 89
	<hr/>	<hr/>
	\$11,731 38	\$11,731 38

#### Sewer Connection Apportionments

Uncollected January 1, 1920..	\$411 66	
Warrants for 1920 .....	1,439 64	
Apportionments paid in ad- vance .....	361 99	
Collected 1920 Account and paid Treasurer .....		\$953 02
Collected 1919 Account and paid Treasurer .....		349 26
Collected 1918 Account and paid Treasurer .....		62 42

REPORT OF CITY COLLECTOR

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Apportionments paid in advanced — Collected and Treasurer .....	\$	361 99
Uncollected January 1, 1921..		516 60
	<hr/>	<hr/>
	\$2,243 29	\$2,243 29

Sewer Connections Added to Taxes

Uncollected January 1, 1920..	\$932 98	
Warrant .....	1,311 89	
Reassessed 1920 Account ....	134 10	
Collected 1920 Account and paid Treasurer .....		\$160 64
Collected 1919 Account and paid Treasurer .....		561 91
Collected 1918 Account and paid Treasurer .....		243 03
Abated 1920 Account and paid Treasurer .....		134 10
Uncollected January 1, 1921..		1,280 29
	<hr/>	<hr/>
	\$2,379 97	\$2,379 97

Sewer Construction—Special

Unsettled January 1, 1920....	\$2 28	
Committed during 1920.....	24 92	
Collected and paid Treasurer.		\$24 92
Unsettled January 1, 1921....		2 28
	<hr/>	<hr/>
	\$27 20	\$27 20

Sidewalk Assessments

Uncollected January 1, 1920..	\$6,655 26	
Committed during 1920.....	16,116 71	
Apportioned .....		\$2,032 77

Orders rescinded .....		\$ 2,229 69
Collected and Paid Treasurer.		12,274 47
Uncollected January 1, 1921..		6,235 04
	<hr/>	<hr/>
	\$22,771 97	\$22,771 97

### Sidewalk Apportionments

Uncollected January 1, 1920..	\$2,013 74	
Warrant for 1920 .....	3,093 05	
Apportionments paid in advance .....	669 06	
Collected 1920 Account and paid Treasurer .....		\$2,220 44
Collected 1919 Account and paid Treasurer .....		1,469 51
Collected 1918 Account and paid Treasurer .....		403 70
Apportionments paid in advanced — Collected and paid Treasurer .....		669 06
Uncollected January 1, 1921..		1,013 14
	<hr/>	<hr/>
	\$5,775 85	\$5,775 85

### Sidewalk Applications

Unsettled January 1, 1920....	\$134 78	
Committed during 1920.....	3,449 37	
Abated .....		\$45 21
Collected and paid Treasurer.		3,538 94
	<hr/>	<hr/>
	\$3,584 15	\$3,584 15

**Betterment Assessments**

Uncollected January 1, 1920..	\$12,047 30	
Committed during 1920.....	4,947 05	
Refund .....	57 42	
Apportioned .....		\$1,614 16
Abated .....		692 03
Order rescinded .....		315 11
Collected and paid Treasurer.		7,851 55
Uncollected January 1, 1921..		6,578 92
	<hr/>	<hr/>
	\$17,051 77	\$17,051 77

**Betterment Apportionments**

Uncollected January 1, 1920..	\$1,430 21	
Warrant for 1920 .....	2,445 14	
Apportionments paid in advance .....	273 14	
Collected 1920 Account and paid Treasurer .....		\$1,286 41
Collected 1919 Account and paid Treasurer .....		1,052 72
Collected 1918 Account and paid Treasurer .....		178 23
Apportionments paid in advance — Collected and paid Treasurer .....		273 14
Uncollected January 1, 1921.		1,357 99
	<hr/>	<hr/>
	\$4,148 49	\$4,148 49

**Water Connections**

Unsettled January 1, 1920....	\$4,106 45	
Committed during 1920 .....	7,220 63	
Collected and paid Treasurer..		\$7,254 17
Unsettled January 1, 1921....		4,072 91
	<hr/>	<hr/>
	\$11,327 08	\$11,327 08

**Water Service**

Collected during 1920 .....	\$97,537 39	
Paid Treasurer .....		\$97,537 39
	<hr/>	<hr/>
	\$97,537 39	\$97,537 39

**Care of Cemeteries (Oak Grove)**

Collected during 1920 .....	\$1,382 53	
Paid Treasurer .....		\$1,382 53
	<hr/>	<hr/>
	\$1,382 53	\$1,382 53

**Costs and Fees**

Taxes of 1917 .....	\$34 05	
Taxes of 1918 .....	1,316 25	
December Tax 1918 .....	50	
Taxes of 1919 .....	1,085 45	
December Tax 1919 .....	20	
Taxes of 1920 .....	353 15	
Betterment Assessments ....	96 75	
Sewer Assessments .....	98 50	
Sidewalk Assessments .....	6 50	
Overpayment recovered back.	10	
Erroneous Credit .....	20	
Refund .....	25	
Paid Treasurer .....		\$2,991 90
	<hr/>	<hr/>
	\$2,991 90	\$2,991 90

**Miscellaneous Collections Credited To:**

Ashes .....	\$444 94
Band Concerts .....	32 00
Board of Survey .....	45 00
Bonds of City Officials.....	2 00

Care of Oak Grove Cemetery.	\$2,683 00
City Home .....	1,303 69
Contageous Diseases .....	231 00
Electrical Department Ex- penses .....	82 00
Engineering Department Ex- penses .....	4,109 27
Estimated Receipts .....	7,557 00
Fulton Heights School .....	26 00
General Expenses — School Department .....	1,669 50
General Repair of Highways..	396 45
Gravel Sidewalks .....	88 00
Collection of House Offal....	4,762 50
Income from Trust Funds....	646 86
Interest .....	1,623 44
Land Court Expenses .....	11 50
Mayor's Miscellaneous Ac- count .....	9 24
Medford Purchasing Depart- ment Expenses .....	15 73
Miscellaneous Credits .....	11,102 22
Ordinary Expenses—Fire De- partment .....	55 45
Outside Relief .....	6,736 83
Public Library .....	818 52
Salaries of Teachers .....	200 00
School Department—Repairs.	300 00
Sewer Construction .....	2,202 24
Sewer Maintenance .....	1 80
Ship Avenue Construction....	75 00
Sidewalk and Edgestones Con- struction .....	85 00
Sidewalk and Edgestones Main- tenance .....	373 00
Soldiers' Relief .....	24 00
State Aid .....	26 00



Stewardship .....	\$25 00	
Surface Drains Construction .	1,043 90	
Tax Titles .....	942 84	
Trees .....	29 10	
Watering Streets .....	6 00	
Paid Treasurer .....		\$49,786 02

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\$49,786 02

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\$49,786 02

**Interest**

Taxes of 1917 .....	\$19 22	
Poll Taxes of 1918 .....	8 57	
Taxes of 1918 .....	6,971 98	
Poll Taxes of 1919 .....	60 27	
Taxes of 1919 .....	9,936 81	
Poll Taxes of 1920 .....	2 39	
Taxes of 1920 .....	980 12	
December Taxes 1918 .....	1 74	
December Taxes 1919 .....	1 39	
Betterment Assessments .....	361 77	
Betterment Apportionments paid in advance .....	12 91	
Sewer Assessments .....	105 28	
Sewer Apportionments paid in advance .....	17 69	
Sewer Connections .....	18 62	
Sewer Connections Appor- tionments paid in advance .....	11 33	
Sidewalk Assessments .....	213 63	
Sidewalk Apportionments paid in advance .....	31 66	
Overpayment recovered back..	34	
Transferred to 1919 Taxes to adjust error .....	01	
Refund .....	3 27	
Paid Treasurer .....		\$18,759 00

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\$18,759 00

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\$18,759 00

**Accrued Interest on Sewer Apportionments**

Uncollected January 1, 1920..	\$106 15	
Transferred from Interest account 1919 to adjust report of collections.....	8 08	
Warrant for 1920 .....	131 73	
Reassessed 1918 Account ....	90	
Abated 1918 Account .....		\$ 90
Collected 1920 Account and paid Treasurer .....		93 78
Collected 1919 Account and paid Treasurer .....		80 90
Collected 1918 Account and paid Treasurer .....		27 06
Uncollected January 1, 1921..		44 22
	<hr/>	<hr/>
	\$246 86	\$246 86

**Accrued Interest on Sewer Connection Apportionments**

Uncollected January 1, 1920..	\$65 93	
Warrant for 1920 .....	293 69	
Collected 1920 Account and paid Treasurer .....		\$199 31
Collected 1919 Account and paid Treasurer .....		52 96
Collected 1918 Account and paid Treasurer .....		7 86
Uncollected January 1, 1921..		99 49
	<hr/>	<hr/>
	\$359 62	\$359 62

**Accrued Interest on Sewer Connections Added to Taxes**

Uncollected January 1, 1920..	\$36 35	
Warrant for 1920 .....	49 96	
Reassessed 1920 Account ....	5 89	
Abated 1920 Account .....		\$5 89

## REPORT OF CITY COLLECTOR

Collected 1920 Account and paid Treasurer .....		\$ 8 20
Collected 1919 Account and paid Treasurer .....		20 74
Collected 1918 Account and paid Treasurer .....		12 72
Uncollected January 1, 1921..		44 65
	<hr/>	
	\$92 20	\$92 20

## Accrued Interest on Sidewalk Apportionments

Uncollected January 1, 1920..	\$224 81	
Warrant for 1920 .....	625 76	
Collected 1920 Account and paid Treasurer .....		\$456 06
Collected 1919 Account and paid Treasurer .....		186 32
Collected 1918 Account and paid Treasurer .....		23 40
Uncollected January 1, 1921..		184 79
	<hr/>	
	\$850 57	\$850 57

## Accrued Interest on Betterment Apportionments

Uncollected January 1, 1920..	\$236 62	
Warrant for 1920 .....	493 64	
Collected 1920 Account and paid Treasurer .....		\$255 05
Collected 1919 Account and paid Treasurer .....		186 92
Collected 1918 Account and paid Treasurer .....		13 10
Uncollected January 1, 1921.		275 19
	<hr/>	
	\$730 26	\$730 26

**Total Collections**

Taxes .....	\$1,216,157 76
Street Watering .....	6,079 54
Sewer Assessments .....	1,956 35
Sewer Apportionments .....	1,209 59
Sewer Apportionments paid in advance .....	127 97
Sewer Connections .....	4,987 72
Sewer Connection Apportion- ments .....	1,364 70
Sewer Connection Apportion- ments paid in advance ..	361 99
Sewer Connections added to taxes .....	965 58
Sewer Construction—Special .	24 92
Sidewalk Assessments .....	12,274 47
Sidewalk Apportionments ....	4,093 65
Sidewalk Apportionments paid in advance .....	669 06
Sidewalk Applications .....	3,538 94
Betterment Assessments .....	7,851 55
Betterment Apportionments ..	2,517 36
Betterment Apportionments paid in advance .....	273 14
December Taxes .....	112 95
Interest on Taxes and Assess- ments .....	18,759 00
Costs and Fees .....	2,991 90
Accrued Int. on Sewer Appor- tionments .....	201 74
Accrued Int. on Sewer Conn. Apportionments .....	260 13
Accrued Int. on Sewer Conn. added to Taxes .....	41 66
Accrued Int. on Sidewalk Ap- portionments .....	665 78

Accrued Int. on Betterment	
Apportionments .....	\$455 07
Water Connections .....	7,254 17
Water Service .....	97,537 39
Care of Cemeteries (Oak Grove) .....	1,382 53
Miscellaneous Collections ....	49,786 02

Total Amount collections from January 1, 1920 to Janu- ary 1, 1921 .....	\$1,443,902 63
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**UNCOLLECTED**

Taxes .....	\$414,916 06
Street Watering .....	1,327 13
Mosquito Assessments .....	3,481 72
Sewer Assessments .....	366 96
Sewer Apportionments .....	260 29
Sewer Connections .....	2,857 89
Sewer Connections Apportion- ed .....	516 60
Sewer Constructions Added to Taxes .....	1,280 29
Sewer Construction—Special..	2 28
Sidewalk Assessments .....	6,235.04
Sidewalk Apportionments ....	1,013 14
Betterment Assessments .....	6,578 92
Betterment Apportionments...	1,357 99
December Taxes .....	433 59
Accrued Interest on Sewer Apportionments .....	44 22
Accrued Interest on Sewer Conn. Apportionments....	99 49
Accrued Interest on Sewer Conn. added to taxes....	44 65
Accrued Interest on Sidewalk Apportionments .....	184 79

REPORT OF CITY COLLECTOR

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Accrued Interest on Betterment Apportionments . . . .	\$275 19
Water Connections . . . . .	4,072 91
Almshouse or City Home. . . . .	53 58
Ashes . . . . .	163 32
City Hall . . . . .	39 05
City Home . . . . .	34 72
Collection of House Offal. . . . .	1,275 00
Contagious Diseases . . . . .	633 38
Electrical Department Expenses . . . . .	68 45
Engineering Department Expenses . . . . .	122 06
Fire and Police Signal Service	198 01
Food Production and Conservation . . . . .	178 25
General Expenses—Health Department . . . . .	681 60
General Expenses—School Department . . . . .	437 00
General Repairs of Highways.	443 40
Guide Boards and Street Signs	2 75
Gypsy and Brown-tail Moths..	201 87
Income from Estates taken for Taxes . . . . .	22 50
Medford Purchasing Department Expenses . . . . .	2 50
Miscellaneous Credits . . . . .	31 78
Outside Relief . . . . .	4,600 34
Public Commons . . . . .	18 00
Sewer Construction . . . . .	676 89
Sewer Maintenance . . . . .	51 23
Sidewalks and Edgestones. . . . .	1,811 50
Surface Drains . . . . .	8 50
Trees . . . . .	3 00

Total amount uncollected  
January 1, 1921 . . . . .

\$457,107 83

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, 1920....	\$124 94	
Collected during 1920.....	5,205 59	
Paid City .....		\$48 00
Paid Parties holding Titles...		5,263 25
Unsettled January 1, 1921....		19 28
	<hr/>	<hr/>
	\$5,330 53	\$5,330 53

Respectfully submitted,

EDWARD W. HAYES,

City Collector.

# Report of the Superintendent of Wires and Gas Fitting

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Medford, Mass., January 1, 1921.

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

Dear Sir:

I have the honor of submitting the thirteenth annual report of the Department of Wires and Gas Fitting, Fire and Police Signals and Street Lights for the year ending December 31, 1920.

## **Police Signal System**

The Police Signal has given excellent service the past year.

It would be a great advantage to the Signal Service if the underground service could be extended and the Blue Light Signal be introduced.

## **Fire Alarm Signal System**

The Fire Alarm has no failures whenever the hook has been pulled for fires or false alarms. The renumbering of some of the present boxes and the numbering of the new boxes to correspond with the new scheme of numbering has been started this year.



### Street Lighting

The Street Lighting Contract expired with the Malden Electric Company, March 10, 1920. To this date nothing has been done on the new contract.

At present there are:

878-60 C.P. Inc @ \$15.00 per year  
 208-250 C.P. Inc. @ 60.00 per year  
 17 -250 C.P. Inc. @ 43.80 per year

### Expenses

	Appropriated	Transferred from other accounts	Receipts	Expended	Transferred to other accounts	Balance	Excess
Salary of Supt. ...	\$2,100.00			\$2,100.00			
Electrical Dept. Expenses .....	500.00	\$82.00					\$8.45
Fire and Police Signal Service ..	5,000.00	257.60	751.60	750.20		\$1.01	
Street Lighting....	26,000.00			26,017.03		17.03	
Salary of Lineman .....	1,000.00			995.50		4.50	
Police Signal and System Equip- ment .....	2,000.00			1,485.56		514.44	

**Recommendations**

Salary of Superintendent .....	\$ 2,300.00
Electrical Department Expenses .....	800.00
Fire, Police Signal System .....	1,000.00
Street Lighting .....	26,800.00
Salary of Lineman .....	1,712.00

**Gas Piping and Fixtures**

Number of permits issued for meters.....	49
Number of tests and inspections.....	112

**Interior Wiring of Building**

Number of permits issued for meters.....	312
Number of wiring notices received.....	720

Respectfully submitted,

HENRY A. GAFFNEY,

Superintendent of Wires and Gas Fitting.

# Report of the Chief of the Fire Department

---

Medford, Mass., February 18, 1921.

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

Dear Sir:

In compliance with Section 31 of the revised charter, I herewith submit the following report of the Fire Department for the year ending December 31, 1920.

During October of this year the city had a very serious fire which broke out in a large wooden building owned by the American Woolen Company on Boston Avenue and spread so rapidly that on the arrival of the department the building was doomed, and there was a great danger of the fire spreading to other buildings. The department was badly handicapped on account of the low pressure and water flow from the hydrants in that vicinity, caused by one of the air chambers in the basement of the burning building breaking, allowing the water to flow through it into the basement. This air chamber was connected to the sprinkler system attached to this building and is known as the dry system. On my arrival at the fire, I ordered that an alarm be sounded in Somerville which brought two Engine Companies, a Hose Company, and Hook and Ladder Company, and they all did yeoman work in keep-

ing the fire from spreading to other buildings. It was some fifteen or twenty minutes after the arrival of the fire department before the water was shut off from the sprinklers in the burning building, and after that the water service was greatly improved.

This fire caused a property loss of \$343,873.86. The loss on the building was \$155,844.88 and on the contents was \$188,028.98. The reason for this heavy loss was the inflated values placed on building and contents. The loss was adjusted upon a replacement value. Under normal conditions the loss on this fire would not have been over \$125,000.

One other fire which caused a loss of \$28,050.00 was at the G. W. Bent Bed Company's plant, Myrtle Street and Fellsway, making the total loss on these two fires \$371,923.86. leaving \$48,981.90 to be divided into 339 alarms received by the department this year.

The department has kept up the system of drills both in raising ladders, laying hose, and house drills, in order to keep the new men up in all the branches of the work they are called upon to perform.

The city at the State Election adopted the two Platoon Act, dividing the force into a day and night force, to take effect on February, 1, 1921, and in order to put this act into operation, it will be necessary to add a number of men to make the department as efficient as it is now. Recommendations have been made to that effect.

The appropriation for the Repair Shop Equipment has been made, and the necessary machinery will be purchased as soon as the market is right for prices. Repairs have been carried on in a very efficient manner by Oliver C. Nicoll, the department mechanic, appointed by you the

first of the year, who not only saves money for the city but gives service, and that is important in keeping with a good fire department.

The Knox Pumping Engine, formerly at Fire Headquarters, and now at the Spring Street Station, had to have some changes before going in service there. We had to add a forty-gallon chemical tank before placing it in commission at this station. As this Pumping Engine had no tank we had to take the forty-gallon tank from Hose 6 and put it on the pump, as it was so near the end of the year and there being no money available to buy a new tank. The price of one at this time is \$500, and this should be replaced as soon as possible so as to make Hose 6 complete again, and I have made that recommendation in my estimate for 1921.

The city has purchased a new Pumping Engine of the Seagrave Company, Centrifugal Type, 750 gallons per minute capacity, which passed thorough all the tests made by the National Board of Fire Underwriters, taking five hours in all to complete the test. This Pumping Engine was placed in Fire Headquarters to take the place of the old pump. Former Engine 1 has been placed at the Spring St. Station to take the place of Hose Company Four, and making this change, it gives this section of the

city greater fire protection, on account of the low pressure and many bad fire risks that the department has to contend with. I hope that in 1921 our city can see its way clear to purchase the third Pumping Engine so as to carry out the recommendations of the National Board of Fire Underwriters, and by doing so it will give Medford a good Pump Battery and one that will take care of the city for a good while to come.

The department has condemned about 1,000 ft. of hose and there is about 500 ft. more that is not reliable and should be replaced in 1921. If this recommendation is carried out, it will retire all single jacket hose now in service.

### Organization of Department

#### Permanent Members

Chief  
 Deputy Chief  
 Seven Captains  
 Seven Lieutenants  
 Twenty-seven Privates

#### Callmen

Fourteen Regular and Substitute Callmen

The above members are assigned as follows:

#### Headquarters

Chief

Deputy Chief

#### Engine 1

Captain  
 Lieutenant  
 5 Permanent Hosemen  
 1 Call Hosman  
 1 Substitute Hoseman (Call)

#### Ladder 1

Captain  
 Lieutenant  
 5 Permanent Laddermen  
 4 Call Laddermen  
 1 Substitute (Call) Ladderman

## Harvard Avenue Station

## Hose Company 2

Captain  
 Lieutenant  
 3 Permanent Hosemen  
 3 Call Hosemen

## Salem Street Station

## Hose Company 3

Captain  
 4 Permanent Hosemen  
 1 Call Hoseman  
 2 Call Substitute Hosemen

## Laddler 2

Captain  
 Lieutenant  
 4 Permanent Laddermen  
 1 Call Substitute Ladderman

## Spring Street Station

## Hose 4

Captain  
 Lieutenant  
 4 Permanent Hosemen

## Medford Street Station

## Hose 5

Captain  
 Lieutenant  
 3 Permanent Hosemen

## Pensions

One Permanent Fireman on Pension

Fires and Losses

The department has responded to 341 alarms this year.

Property at risk:

Value of Buildings.....	\$405,577.88
Value of Contents .....	489,698.15
Value of Automobiles.....	4,500.00
	<hr/>
Total .....	\$899,776.03

Insurance on same:

Insurance on Buildings.....	\$389,192.88
Insurance on Contents .....	435,053.68
Insurance on Automobiles .....	3,350.00
	<hr/>
Total .....	\$827,596.56

Insurance Loss:

Loss on Buildings .....	\$180,522.28
Loss on Contents .....	234,248.47
Loss on Automobiles .....	2,070.00
	<hr/>
Total .....	\$416,840.75

Loss not Insured:

Loss on Buildings .....	\$ 110.00
Loss on Contents .....	3,555.00
Loss on Automobiles .....	400.00
	<hr/>
Total .....	\$ 4,065.00

Total Loss on All:

Total loss on Buildings .....	\$180,632.29
Total loss on Contents .....	237,803.47
Total loss on Automobiles .....	2,470.00
	<hr/>
Total Loss .....	\$420,905.76



This is a very great loss to a city of this size, but it is no fault of this department. The great loss was caused by the fire at the American Woolen Company's Plant, with a loss of \$343,873.86, and a loss at the G. W. Bent Bed Company's Plant of \$28,050.00 making a total of \$371,923.86 on these two fires and leaving a loss of \$48,981.90 to be credited to 339 other alarms this year.

The whole number of alarms during the year ending December 31, 1920:

	Bell Alarms	Still Alarms	Hose	Chemical	Ladders	Miles Traveled	Hours in Service	Covered in at Central Station
Engine 1..	176	1	11.200	27	.....	374	72.44	.....
Hose 2 ...	59	16	4.750	633	60	156½	56.22	9
Hose 3 ...	153	28	7.150	506	84	460¾	127.49	23
Hose 4 ...	86	26	5.459	273	46	271 1-3	98.21	5
Hose 5 ...	76	24	3.700	728	66	301½	82.55	29
Hose 6 ...	21	57	5.600	337	.....	169	58.00	.....
Ladder 1..	99	6	.....	707	848	207¼	56.00	.....
Ladder 2..	84	7	.....	307	302	240½	91.00	30
Totals ...		165	37.850	3,518	1,406	2,181 9-10	542.55	96

Hose Five answered 21 alarms in Somerville.

Hose Two answered 1 alarm in Arlington.

Ladder One answered 1 alarm in Arlington.

In concluding my report, I want to thank your Honor and the Honorable Board of Aldermen for your co-operation with me this year, and also the members of this department, the Police, Water and Highway departments and all other departments that have in any way assisted this department.

Respectfully yours,  
 THOMAS A. QUALEY,  
 Chief, Fire Department.

# Report of the Street Commissioner

Medford, January 2, 1921.

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 1920.

## General Repairs of Highways

Appropriations and receipts .....		\$62,416.03
Deduct debit balance from 1919.....		10,438.60
		<hr/>
		\$51,977.43
Payrolls .....	\$33,634.42	
Invoices .....	21,540.62	55,175.04
	<hr/>	<hr/>
Debit balance 1920 ..		\$3,197.61

## Collection of Ashes and Paper

Appropriations .....		\$29,000.00
Receipts .....		444.94
		<hr/>
		\$29,444.94

REPORT OF STREET COMMISSIONER

Payrolls .....	\$27,258.29	
Invoices .....	2,144.99	\$29,403.28
	<hr/>	<hr/>
Balance .....		\$41.66

The following loads of Ashes and Paper were collected during 1920.

Ashes

Single Loads	Double Loads	Truck Loads
10,699	4,242	2,728

Paper

Single Loads
886

Collection of Offal

Appropriation .....		\$14,000.00
Receipts .....		4,762.50
		<hr/>
		\$18,762.50
Debit balance from 1919..	\$820.54	
Payrolls .....	17,288.76	
Invoices .....	1,604.16	\$19,713.46
	<hr/>	<hr/>
Debit balance 1920.....		\$950.96
Loads of Offal collected during 1920.		

Single Loads

2,505

Bridges

Appropriation .....		\$250.00
Payrolls .....	\$265.85	
Invoices .....	3.87	269.72
	<hr/>	<hr/>
Debit balance 1920.....		\$19.72

**Guide Boards and Street Signs**

Appropriation .....		\$350.00
Payrolls .....	\$230.87	
Invoices .....	118.39	349.39
	<hr/>	<hr/>
Balance .....		.61

**Sidewalks and Edgestones Construction**

Balance from 1919 .....		\$32,332.03
Appropriations and Assessments.....		20,852.54
		<hr/>
		\$53,184.57
Payrolls .....	\$20,066.18	
Invoices .....	24,455.14	44,521.32
	<hr/>	<hr/>
Balance .....		\$8,663.25

**Sidewalks and Edgestones Maintenance**

Appropriation .....		\$3,000.00
Receipts .....		1,642.09
		<hr/>
		\$4,642.09
Payrolls .....	\$3,786.79	
Invoices .....	855.21	4,642.00
	<hr/>	<hr/>
Balance from 1920.....		.09

**Gravel Sidewalks and Repairs**

Appropriation .....		\$1,500.00
Receipts .....		88.00
		<hr/>
		\$1,588.00
Payrolls .....	\$1,563.73	
Invoices .....	24.00	1,587.73
	<hr/>	<hr/>
Balance from 1920.....		\$ .27

**Surface Drains Construction**

Balance from 1919 .....		\$3,133.61
Appropriation .....		10,500.00
Receipts .....		1,043.90
		<hr/>
		\$14,677.51
Payrolls .....	\$4,487.23	
Invoices .....	3,851.99	8,339.29
	<hr/>	<hr/>
Balance from 1920.....		\$6,338.29

**Surface Drains and Catch Basins Maintenance**

Appropriation .....		\$500.00
Payroll .....	\$409.54	
Invoices .....	90.00	499.54
	<hr/>	<hr/>
Balance from 1920.....		\$ 45

**Departmental Equipment**

Appropriation .....		\$7,000.00
Motor Trucks .....	\$6,582.74	
Snow Plows .....	396.90	
Payrolls .....	20.00	6,999.64
	<hr/>	<hr/>
Balance from 1920.....		\$ .36

**Original Construction of Streets**

Balance from 1919.....		\$8,576.07
Appropriation .....		13,000.00
		<hr/>
		\$21,576.07
Payrolls .....	\$9,087.22	
Invoices .....	12,190.64	21,277.86
	<hr/>	<hr/>
Balance from 1920.....		\$ 298.21

**Street Watering and Oiling**

Appropriation .....		\$18,000.00
Credits .....		42.07
		<hr/>
		\$18,042.07
Payrolls .....	\$3,261.31	
Invoices .....	13,803.72	
Abatements .....	94.13	
Debit balance 1919.....	882.42	18,041.58
	<hr/>	<hr/>
Balance from 1920.....		\$ .49

**Stone Bounds**

Appropriation .....		\$100.00
Payrolls .....	\$51.68	
Invoices .....	48.32	100.00
	<hr/>	<hr/>

**Gypsy and Brown Tail Moths**

Credit balance from 1919.....		\$1,059.48
Appropriation .....		2,000.00
		<hr/>
		\$3,059.48
Payrolls .....	\$2,975.93	
Tools and repairs .....	11.25	
Printing .....	18.00	
Materials .....	54.20	3,059.38
	<hr/>	<hr/>
Balance from 1920.....		\$ .10

**Care of Trees**

Appropriation .....		\$3,602.46
Credits .....		29.10
		<hr/>
		\$3,631.56
Payrolls .....	\$3,235.21	
Invoices .....	396.35	3,631.56
	<hr/>	<hr/>

**Paving Gutters**

Appropriation .....		\$300.00
Payrolls .....	\$300.00	

**Permanent Hassam Block Paving**

Balance from 1919.....		\$63,903.83
Appropriation .....		3,000.00
		<hr/>
		\$66,903.83
Payrolls .....	\$4,347.99	
Engineering .....	581.46	
Boston Elevated Railroad.	3,489.90	
Simpson Brothers Corpora-		
tion .....	58,028.36	
Invoices .....	309.91	66,757.62
	<hr/>	<hr/>
Balance from 1920.....		\$ 146.21

**Pension Account**

Appropriation .....		\$2,000.00
Payrolls .....	\$1,970.33	1,970.33
		<hr/>
Balance from 1920.....		\$ 29.67

**Tar Walks**

Appropriation .....		\$500.00
Payrolls .....	\$499.61	499.61
		<hr/>
Balance from 1920.....		\$ .39

**Office Expenses**

Appropriation .....		\$1,000.00
Payrolls .....	\$951.00	
Telephone .....	25.98	
Supplies .....	22.93	999.91
		<hr/>
Balance from 1920.....		\$ .09

Permits were granted as follows:

Boston Elevated Railroad.....	14
Boston and Maine Railroad.....	3
Eastern Massachusetts Electric Railroad.....	3
Malden Electric Company.....	15
Malden and Melrose Gas Light Company.....	51
Miscellaneous .....	28
New England Telephone and Telegraph Co.....	29
	<hr/>
Total .....	143

In conclusion, I wish to thank all the employees of this department for their co-operation during the past year.

Respectfully submitted,

H. G. KENNEDY,  
Street Commissioner.



# Report of the Board of Health

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

Gentlemen:

## Organization

Alfred J. Hawks, M. D., Chairman; Walter T. Burke, M. D.,  
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

Received from all sources, General Fund.....	\$1,383.33
Expended .....	1,354.33
Balance .....	\$29.00
Received from all sources, Contagious Acct.	\$2,163.29
Expended .....	2,036.78
Balance .....	\$126.51

REPORT OF BOARD OF HEALTH

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Received Account of Clerk and Inspectors....	\$4,100.00
Expended .....	4,100.00
	<hr/>
Balance .....	0.00

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REPORT OF MEDICAL INSPECTOR

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To the Board of Health:  
Medford, Mass.

Gentlemen: I herewith submit my report as Medical Inspector for the year 1920.

Visits made:

Chicken Pox .....	3
Diphtheria .....	87
German Measles .....	1
Measles .....	2
Mumps .....	11
Ophthalmia Neonatorum .....	4
Infantile Paralysis .....	1
Scarlet Fever .....	5
Syphilis .....	1
Scabies .....	1
Whooping Cough .....	3
	<hr/>
Total .....	119

Respectfully submitted,

PAUL J. D. HALEY, M. D.

## REPORT OF THE INSPECTOR OF PLUMBING

---

January 3, 1921.

To the Board of Health:  
Medford, Mass.

Gentlemen:

I herewith submit the twenty-seventh annual report of the Inspector of Plumbing, year ending Dec. 31, 1921:

Permits issued for work in new buildings.....	103
Permits issued for remodelling plumbing.....	98
Permits for connecting old work with sewer.....	9
<b>Total permits issued.....</b>	<b>210</b>
Number of new fixtures installed.....	890
Number of tests .....	131
<b>Total inspections during the year.....</b>	<b>809</b>

Respectfully submitted,

L. E. MORRISON,  
Inspector of Plumbing,  
Medford, Mass.

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## REPORT OF THE HEALTH INSPECTOR

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January 3, 1921.

To the Board of Health:  
Medford, Mass.

Gentlemen:

I herewith submit my report as Health Inspector, for the year ending December 31, 1920; all complaints were investigated and the following inspections made:

DEATHS 1920

DEATHS 1920	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
<b>A</b>													
Accidental Hemophilia following accidental injury to hand	1												1
Accidental Poisoning—carbon-monoxide	2												2
Accidental Drowning						1	1	1					4
Accidental Shock following scalding		1											1
Accidental Burn, right glutial region				1									1
Accidental, Struck by auto				1									1
Accidental Suffocation								1					1
Apoplexy							1		2	1		1	5
Anemia pernicious				1									1
Aortic Regurgitation			1										1
Acidosis	1						1						2
Arterio sclerosis	8	7	10		5	5	4		3	4	2	2	50
Asphixia Pallida			1										1
Anterior Polyomyelitis										1			1
<b>B</b>													
Bronchitis			1	2	1						1	2	7
Buhl's Disease											1		1
<b>C</b>													
Carcinoma	3	5	2	6	4		5	2	2	2	6	4	41
Coronary Sclerosis—Dropped dead		1									1	1	3
Convulsions						1						1	2
Child birth							1					1	2
<b>D</b>													
Demetia Senalis	1												1
Diarrhoea												1	1
Diphtheria												1	1
<b>E</b>													
Edema	1					1						1	3
Endocarditis	2	1	1			2	2	1	2	1		1	13
Embolism, Cerebral			1		1	1						1	4
Enteritis	2			2	1	1		2	1	2	3		14
Encephalitis			1									1	2
<b>G</b>													
Gangrene Senile			1					1			2		4
Glioma of Brain								1					1
<b>H</b>													
Hypertrophy of Prostate												1	1
Heart Disease	7	2	8	1	3	2	3	1	2	3	2	4	38
Hemorrhage (Cerebral) (*Internal)	3	6	1	3	3	3	5	4	1	4	*1	1	40
Hydrocephalus				1				1					2
Hanging, Suicidal	1												1
<b>I</b>													
Inanition			1										1
Influenza		1	1	1					1				4
Infantine Debility			1										1
Indigestion, acute											1	1	2
<b>L</b>													
Locomotor Ataxia							1					1	2
<b>M</b>													
Myocarditis		3	3	3	1	1	2	1		1	1	1	17
Meningitis, Ceberla						1							1
Malnutrition								1					1
<b>N</b>													
Non-closure Foramen Ovale	1		1			1				1		1	5
Nephritis	1	3	1	4	5	1	1	1	4	1	1		23
<b>P</b>													
Peritonitis			1								1	1	3
Paralysis		2								1			3
Pneumonia Broncho	3	11	3		2		1	1	4	1	4	2	32
Pneumonia Lobar	3	12	5	2	1	1			1	2			27
Premature Birth	2	5	2			1		3		2	4	2	21
<b>R</b>													
Revolver Wound, Suicidal												1	1
<b>S</b>													
Septicemia		1										1	2
Sarcma			1			1		2					4
Spina Bifida							1						1
<b>T</b>													
Tuberculosis, Pulmonary	3	2	2	1	1	1	3	1	1		1	2	18
<b>W</b>													
Whooping Cough	1												1
Deaths	46	64	50	34	28	25	32	25	24	27	32	37	424
Stillborn	3	3	3		2	1	3	1	1			4	21
Total Deaths, including stillborn	49	67	53	34	30	26	35	26	25	27	32	41	445

REPORT OF BOARD OF HEALTH

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Garbage improperly cared for .....	21
General unsanitary conditions .....	37
Dumping without permission,.....	16
Stagnant water .....	11
Stables and cow-barns .....	15
Manure .....	13
Pigs .....	19
Dead animals on highway.....	34
Cesspools and privies .....	8
Odor from sewer manhole.....	4
Defective plumbing .....	5
Water supply .....	7
Milk Plants .....	6
Markets and provision stores.....	18
Barber shops .....	21
Bakeries .....	22
Infant Boarding houses .....	9
No cause found .....	17
<hr/>	
Total inspections .....	283

Respectfully submitted,

L. E. MORRISON,  
 Health Inspector,  
 Medford, Mass.

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REPORT OF INSPECTOR OF MILK

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Medford, Mass., January 1, 1921.

To the Board of Health:

Gentlemen: I have the honor to submit to you my seventeenth annual report of the Inspector of Milk, for the year ending December 31, 1920.

Total number of licenses issued for the sale of milk..	203
Total number of licenses issued for the sale of Oleo- margarine .....	16
<hr/>	
Whole number of licenses issued.....	264
Amount of fees received and paid City Collector....	\$132.00
Number of samples from stores and vehicles and an- alyzed .....	104
Number found below legal standard.....	14
Brought to this office and analyzed.....	24
Foreign matter found in .....	6
Samples of vinegar tested.....	18
Below legal standard in acetic acid.....	1

Respectfully submitted,

WINSLOW JOYCE,

Inspector of Milk.

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## REPORT OF INSPECTOR OF MEATS AND PROVISIONS

Medford, Mass., December 31, 1920.

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, 1920.

Grocery stores .....	37
Bakery shops .....	9
Lunch rooms .....	8

Baker carts .....	6
Ice cream parlors .....	5
Meat markets .....	31
Meat carts .....	2
Butter, cheese and eggs stores.....	9
Fruit stores .....	12
Fish markets .....	14
Fish carts .....	2

Total ..... 135

Failure to comply with the law:

Meats condemned and destroyed:

		Pounds
Jan.	4, Chicken, spoiled .....	7 <sup>3</sup> / <sub>4</sub>
	13, Sausage, sour .....	3 <sup>1</sup> / <sub>4</sub>
	19, Smelts, spoiled .....	4
	19, Smelts, spoiled .....	4
	30, Clams, spoiled .....	3 qts.
Feb.	5, .....	0
	16, Beef and lamb kidneys, sour.....	2 <sup>3</sup> / <sub>4</sub>
	23, Fore of lamb, spoiled .....	5
	27, Frankfurts, tainted .....	2 <sup>1</sup> / <sub>2</sub>
Mar.	8, Flank steak, spoiled .....	2 <sup>3</sup> / <sub>4</sub>
	12, .....	0
	17, Fresh tripe, sour .....	1 <sup>1</sup> / <sub>2</sub>
	26, Salt pork, spoiled .....	6 <sup>1</sup> / <sub>8</sub>
Apr.	1, Corned shoulder, tainted .....	5
	7, Lamb chops, spoiled .....	1 <sup>3</sup> / <sub>4</sub>
	17, .....	0
May	4, Steak halibut, sour .....	3
	10, Corned beef, tainted .....	7 <sup>1</sup> / <sub>8</sub>
	21, Fresk ham, sour nuckle .....	3 <sup>1</sup> / <sub>4</sub>
	3 qts. clams .....	3 qts.
	26, .....	0
June	2, Liver, sour .....	3 <sup>1</sup> / <sub>2</sub>
	10, Pigs feet, spoiled .....	2 <sup>1</sup> / <sub>4</sub>
	23, .....	0

July	1, Chicken, sour .....	3 $\frac{1}{8}$
	7, Ham nuckles, spoiled .....	7
	7, Beef shin, tainted .....	6
	13, Pork chops, spoiled .....	1 $\frac{3}{4}$
	22, .....	0
Aug.	10, Corned ribs, spoiled .....	4
	16, Pickled tripe, spoiled .....	7 $\frac{1}{4}$
	24, .....	0
	31, .....	0
Sept.	7, Corned shoulder, animal heat .....	5 $\frac{1}{2}$
	13, Lamb flanks, sour .....	6
	21, Sausage, sour .....	2 $\frac{1}{4}$
Oct.	1, .....	0
	11, Fush flanks, spoiled .....	3 $\frac{3}{4}$
	19, Frankfurts, sour .....	2 $\frac{1}{2}$
	27, .....	0
Nov.	8, Headcheese, sour .....	1 $\frac{1}{2}$
	17, Pressed corned beef, sour .....	2
	23, .....	0
Total pounds .....		114 $\frac{1}{8}$
3 qts. clams .....		

Respectfully submitted,

FRANCIS W. LUMBERT,  
Inspector of Meats and Provisions.



# Report of the Board of Survey

---

February 7, 1921.

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

Dear Sir:

The Board of Survey hereby submits its second annual report.

The Board was organized on February 27, 1920 with the choice of Leroy H. Robbins as Chairman.

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

Petitions were received from George A. McCormack, Estate of Alvan D. Puffer and Albert B. Tenney and the lines, locations and grades of the following streets were approved:

Street	From	To
Spencer Road	George Street	Chester Avenue
Baxter Street	Fulton Street	Elm Street
Webber Street	Baxter Street	Fulton Street
School House Road	High Street	Mystic Valley Parkway

The Board of Aldermen sent to this Board for their consideration and approval, petitions for acceptances of twenty streets.

Eleven of these were approved and one disapproved, and there having been no plans presented for the others, the petitioners were notified to furnish the plans required by the Statutes and action deferred until their receipt.

The streets approved for acceptance are:

Acton Circle	George Street
Amaranth Avenue	Jackson Street
Brownell Street	Rye Street
Carolina Street	Sanger Street
Chandler Street	Water Street
Fells Avenue Terrace	

The street disapproved was University Avenue.

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

Numerous questions as to the interpretation of the Board of Survey Act have arisen and the opinion of the City Solicitor has been requested on these points and we wish to thank him for his prompt reply to all our inquiries.

#### Financial Statement

Balance, January 1, 1921.....	\$253 85	
Appropriations .....	50 00	
Deposits of petitioners.....	45 00	
		\$348 85
Expenditures:		
Advertising .....	27 50	
Engineering .....	53 78	
Office Supplies .....	33 75	
Refunds .....	59 90	
Balance .....	173 92	
		\$348 85

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

Board of Survey

# Report of the Park Commissioners

---

Medford, Mass., January 1, 1921.

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

Sir:

The Board of Park Commissioners herewith presents its twenty-eighth annual report for the year ending December 31st, 1920.

The spring, cold and wet, delayed the work on the Parks and Playgrounds which did not commence until April 15th. The employees, necessarily few at first, were gradually increased, so that by May the usual force were employed, and continued up to September; from that time to the end of the year as usual the number was gradually reduced. Inspection of all the Parks and Playgrounds was made by the members of the Commission as necessary throughout the year. Again, the granting of the appropriations in full at the beginning of the year rather than in part has added much to the systematic arrangement and economic administration of the Commission's work. It is hoped such method may hereafter be continued, enabling the execution of the work as planned while keeping it within the requested appropriations.

Unexpected increases in wages of employees when ordered must be met at the time by immediate additional appropriations to fully cover such increases, that the work as planned and provided for in the Budget may be attained.

Surely, if slowly, are Medford's needs for Parks and Playgrounds being met. The Board of Park Commissioners created in the year 1893 had at that time placed in their care the following areas:

Year acquired by the Town of Medford:

Part in 1866, balance at different times—Medford Common containing 119,950 sq. ft.

1872-3—Hastings Heights Park containing 57,370 sq. ft.

1880—Brooks Park containing 15,988 sq. ft.

1892—The Delta containing 5,545 sq. ft., making a total of 198,853 sq. ft., or 4 565-1000 acres to maintain and care for during their first year of existence.

Since that time through gifts and purchase by the City on recommendation of its Park Commission, Medford has acquired the following additional Parks and Playgrounds: These with the exception of the recent taking in Wellington are now in use by Medford's citizens for rest and recreation.

Year acquired by City of Medford:

1894—Logan Grove containing 58,952 sq. ft.

1894—Magoun Park containing 56,758 sq. ft.

1894—Brooks Playstead containing 369,824 sq. ft.

1896—Governors Avenue Park 22,600 sq. ft.

1902—Tufts Park and Playground 149,500 sq. ft.

1913—Tufts Park and Playground (additional) 128,415 sq. ft.

1913—Summer Street Playground 159,305 sq. ft.

1913—Morrison Playground 192,200 sq. ft.

1920—Land taken in Wellington, Ward 7, for Playground 124,654 sq. ft., making a grand total of 1,461,061 sq. ft. or 33 539-1000 acres.

Land for a new Playground was acquired by the City during the year in Wellington, Ward 7. This land is bounded by Bradbury Avenue, Second Street, Middlesex Avenue and Third Street, rectangular in shape, and contains some 124,654 sq. ft.

These takings were made from Charles E. Seaboyer and Mary E. J. Seaboyer, 9,600 sq. ft. for \$500.00; Wellington Real Estate Trust, 105,454 sq. ft. for \$9,625.00; and from Alonzo E. Knight Estate 9,600 sq. ft. for \$500.00.

It was further agreed, on the land taken from the Wellington Real Estate Trust, that the taxes for 1920 should be divided equally between the Wellington Real Estate Trust and the City. The takings were made by right of eminent domain by the vote of the Commission on September 30th. Papers were drawn by the City Solicitor, A. Chesley York; and it was further voted that a certified copy of the taking be placed on record in the Registry of Deeds, also that a certified copy be forwarded by registered mail to each owner of said lands. It was voted also that the takings be properly posted. The several meetings of the Commission necessary to discuss these takings were attended at various times by Mayor Haines, City Solicitor York, Aldermen Ellsworth and Donovan, as well as the owners or their representatives. The Commission desires to thank these gentlemen for their courteous interest and assistance.

On September 30th, the taking of land in Ward 2 situated at the corner of Fellsway West and Park Street was discussed and the matter laid over to a later meeting in order to give the members of the Commission an opportunity to visit the premises and inform themselves fully as to details.

At a meeting held on November 8th, the matter was again brought before the Commission, Alderman Larkin, representing Ward 2, was present and spoke in favor of the proposed taking. Coming at the end of the year, the time was too limited to properly care for the matter, and it was finally decided to postpone further consideration until 1921.

Should a taking be made in Ward 2 for a Playground the coming year, all the seven Wards of the City would be provided not only with a Playground but one embracing a ball field as well. Thus would the children of all ages in all parts of the City be provided for, and one of the long-desired and worked for objects of the Commission would have been accomplished.

Perhaps Ward 3 might not be considered as coming within these conditions; however for the present there is Medford Common in this Ward on which to play ball.

Medford Common is one of the problems facing the Park Commission. Used as a Playground it does not seem to fit in point of utility or to be in harmony with its environment. An area of some 119,950 sq. ft., it is bounded on the south by the Boston & Maine Railroad, on the north by Salem Street, and east and west by private property. As its existence has been replete with the historic and sentimental life of the City, it is worthy of more care and attention. At the present time its possessions are a bandstand, the expense of which was met by public subscription

and the City jointly, and a steel flagpole, inspired and erected by the patriotism of the children of our public schools during the World War.

Time with its changes bringing a congestion of business has so altered conditions that this area might well be made into a rest park and small children's Playground.

It is dry and dusty in summer, and with baseball and its crowds and attendant noise added, is surely not only unsightly but a nuisance to all the immediate neighborhood.

When proper provision has been made for baseball in all the Wards it would seem that this Playground, in the midst of civic activity, should be so altered as to be an asset rather than a detriment to Medford.

The ground should be ploughed and properly graded and laid down to a good lawn. A re-arrangement of bandstand and seats should be made and more trees and shrubbery planted, and the south side provided with a fence or wall to protect it from the railroad; these improvements making that which is now a nuisance at times, and an eye sore always, into a restful, quiet beauty spot in the heart of the city, for all time serving a most needed and useful purpose while giving an appropriate setting to the historic memories haunting this old Ford's Hill, and placing Medford's self-respect and dignity above reproach.

In the early part of the year a request was made of the Commission by Mr. Leroy Lane, president of the Lane Quarry Company, for the Commission's acquiescence to and assistance in obtaining through the Metropolitan District Commission, a grant of land on the North Shore of Mystic River below Craddock Bridge: Said land being a part of the takings of land through purchase by Medford and transferred by request to the State for certain specified purposes and under certain conditions.

This Company desired to purchase adjacent land of private parties with the intention of excavating the sand and gravel deposited there, for building purposes. To make the project a success it was necessary to have access to the land by means of a waterway for scows on which it was planned to load the material for transportation.

The land desired lying between the private property and the river, the plan—as explained to the Commission was to dredge out the State land for the necessary waterway.

The Commission went carefully into all the details with Mr. Laue at a hearing granted Feb. 9th, and discovered there was practically no limit to the dredging as planned: The Company's intention being to continue work so long as material of satisfactory quality was found, thirty feet being suggested as a possible economic limit to the depth of dredging.

It was further admitted the intention was to purchase even more land adjoining, if the business was financially successful.

A grant of this land as suggested, if it were possible to make, would have to be agreed to by the State through its District Commission, and the City of Medford by its Park Commission. Should it be accomplished, it is a grave question if it would not affect the legality, under the Park laws and condition of transfer as made, of the State's rights to all the holdings transferred by Medford to the State.

The situation was thoroughly discussed in the presence of Mr. Lane and Mr. Barry, one of the land owners, and the City Solicitor, Mr. York, and after they retired, with Mayor Haines.



The Commission finally voted it was inexpedient in view of the facts to take favorable action. Later a hearing was granted by the Metropolitan District Commission on petition of Mr. Lane, Medford being represented by Chairman Fay and Mr. Buss of the Medford Commission and Superintendent Adams and City Solicitor York.

The Metropolitan District Commission after thorough consideration voted that they did not feel that they had the authority to grant the request, and so notified the petitioners.

The better lighting of the Parks and Playgrounds has become a serious need. The Commission feels that during the coming year this matter should be taken up with the Mayor and Board of Aldermen, and arrangements made for installation of lights at points that will provide security for the public and properly safeguard the Playground apparatus and other property.

The loss and damage of the Children's Playground apparatus by vandals has been considerable the past year, amounting to some \$125.00. It is must to be regretted that these acts, committed mostly under cover of darkness, should pass without apprehension and proper punishment of the perpetrators. The Commission realizes, however, that until some provision is made for more thorough police patrol of the grounds, little relief can be expected.

The Bath-houses, under the supervision of Henry J. O'Brien, were opened Wednesday, June 16th, and closed Sunday, September 19th. A complete record of attendance of both men and women is appended to this report.

The Bath-house problem was thoroughly presented in our last year's report (1919); but as the matter is still under consideration for proper adjudication the following facts should be presented.

The Bath-houses at Foster's Court were erected in 1912 and 1913, at a total cost of \$1,289.99, of corrugated iron, the best construction that could be made for the money appropriated. They now fail to properly provide for the many bathers desiring to use them. The Women's and Girls' bath-house has sustained the wear and tear much better than that used by the men and boys; the latter being now of little use, and it does not seem that it would be wise to expend money to repair them, although an appropriation of \$300.00 was requested in October, 1919, for that purpose. This \$300.00 was not appropriated, owing to the City's financial condition at the end of the year.

The Commission feels that new and larger houses of much better construction are a necessity, and should, if possible, be provided.

Mr. James E. Mansfield, appointed for a second term Supervisor of Playgrounds, commenced the Children's Playground work on Wednesday, July 7th. As last year, Mr. Buss and Mr. Collins of the Commission were appointed to have special oversight of Playgrounds; and to them the thanks of the Commission are given for the extra time and attention paid by them to this work. Full reports of Mr. Mansfield to the Commission and of the Assistant Supervisor to Mr. Mansfield of the season's work embracing many interesting details have been made, and they are severally made a part of this report.

A request from Mr. Mulkerin, president of the Board of Aldermen, was received, requesting that the tract of land known as the Delta, situated in West Medford at the junction of High and Grove Streets, be renamed "Bennett Park" as a tribute to William Bennett, one of Medford's sons who gave his life in the World War. The Commission agreed to take the matter under consideration temporarily, so that the necessary information might be acquired.

Should the change be thought advisable, perhaps in view of the size of this area, the name "Bennett Delta" rather than "Bennett Park" would be the proper designation.

As a result of examinations by the Commission, during the fall, of the trees and shrubbery on the Parks and Playgrounds the firm of H. L. Frost & Company, foresters and entomologists, was ordered to make careful inspection of all plantings and, where necessary, spray for the San Jose scale.

On October 28th, the City Solicitor, A. Chesley York, was requested to investigate with Mr. Adams the alleged injury to a boy named Joseph W. Silver, of 8 Dwyer Circle, said to have occurred on Summer Street Playground on October 27th, and report the facts as found to the Commission.

At the end of the year, Mr. Mansfield, Superintendent of Playground Supervision, and Mr. Adams prepared and forwarded a report of the work on Medford's Parks and Playgrounds to Miss Florence S. Nelson, of the Playground and Recreation Association of America, 1 Madison Avenue, New York City, as requested by the Association.

The great development of the Mystic Valley Reservation, with the expense incurred by the State up to the year 1914, was given in detail in the Commission's report of that year. The total of the money expended up to that time was \$434,714.79.

It will be of great interest to the citizens of Medford, so vitally concerned in the completion of this beautiful parkway, to learn of the further developments and improvements undertaken and the consequent additional expenditure by the State since that time.

In 1914, the northern half of the old Wellington Bridge was burned and in its place a new bridge with stone masonry piers and reinforced concrete superstructure was constructed at a cost of \$99,345.50. In 1915, Mystic Valley Parkway was extended from Main Street to Mystic Avenue at a cost of \$59,268.65. From 1913 to 1920, improvements have been made along the shores and land bordering on Mystic River at a cost amounting to \$45,394.56, making a total amount expended up to the present time \$638,723.50. This does not include the value of the lands deeded by Medford.

It is of the utmost importance that Medford, in the future as in the past, work in conjunction with the State in this great enterprise.

When completed it will be one of the most artistic of the many celebrated parkways of Massachusetts.

By the proper grouping of her public buildings yet to be constructed, and the maintaining of open vistas and approaches, Medford herself may, in spite of neglected opportunities of the past, become one of the most beautiful cities of the Commonwealth.

The Commission submits for inspection the "Public Commons," "Playgrounds Equipment," "Bath Houses" and "Playground Supervision" Accounts for January 1st to December 31st, 1920.

**City of Medford  
Park Department—1920**

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

May 2, Appropriation .....	\$6,800.00	
June 23, Appropriation ....	300.00	
July 10, Appropriation .....	300.00	
Oct. 23, Appropriation .....	175.00	
	<hr/>	\$7,575.00

**Expenses**

Supervision and office expenses	\$979.66	
Pay rolls and teaming.....	5,459.86	
Repairs and Improvements to Parks, Playgrounds and structures .....	618.45	
Tools Account .....	64.10	
Supplies Account .....	450.16	
Balance .....	2.77	
	<hr/>	\$7,575.00

**“Playgrounds” (Supervision)**

**Receipts**

May 2, Appropriation .....	\$1,800.00	\$1,800.00
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**Expenses**

Supervisor .....	\$225.00	
Pay Rolls .....	1,201.00	
Supplies .....	167.89	
Fence Material .....	155.00	
Sand .....	32.40	
Balance .....	18.71	
	<hr/>	\$1,800.00

**“Bath Houses”**

**Receipts**

May 2, Appropriation .....	\$300.00	\$300.00
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**Expenses**

Care Taker .....	\$264.00	
Repairs .....	22.14	
Balance .....	13.86	
	<hr/>	\$300.00

**“Playground Equipment”**

(Bond Issue)

Balance (None expended)....	\$3,000.00
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**“Park Street and Wellington Parks”**

(Bond Issue)

**Receipts**

Appropriation .....	\$20,000.00
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**Expenses**

Seaboyer Land .....	\$500.00	
Surveys, plans and recording, Wellington .....	98.80	
Wellington Real Estate Trust Land, Taxes, etc. ....	9,625.00	
Surveys and plans of Park St. Property .....	197.05	
*Balance .....	9,442.69	
	<hr/>	\$20,000.00

\*Alonzo A. Knight Estate, payment of \$500.00 in 1921, to be deducted from this balance.

**Estimates****Appropriation requested for 1921**

The Commission recommends the following appropriations 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..	6,000.00	
Repairs and Improvements to Parks, Playgrounds and structures .....	600.00	
Tools Account .....	200.00	
Supplies .....	300.00	..
	<hr/>	\$8,400.00
Supervision of Playgrounds.....		1,800.00
Bath Houses .....		350.00
		<hr/>
Total .....		\$10,550.00

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,

THOMAS D. COLLINS,

ARTHUR W. CROCKFORD,

HERMAN L. BUSS,

Park Commission, City of Medford.

**Report of Superintendent of Parks and Playgrounds**

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Medford, Mass., January 1, 1921.

Hon. Wilton B. Fay, Chairman,  
Medford Park Commission,  
  
Medford, Mass.

Dear Sir:

I respectfully submit the following report of park and playground work during the year 1920. During July and August, James E. Mansfield was Supervisor of Playgrounds, as in 1919, and his report covers all the supervised playground activities.

Work on the parks began April 15, two weeks later than usual. By May 3, the regular park force was in full operation and so continued until after Labor Day. During the next three months the force was gradually reduced as the required work became less. Foreman Biggs and Mr. Ingraham with single team, for the last six weeks of the year, completed the year's work.

Beginning late, it was difficult with a small force of laborers to do all the work needed in the spring and early summer. It would be better to do in the winter time the pruning, repairing and painting, if mild weather allows this work to be done to good advantage, and be less hurried in the spring. It is extremely difficult to get good laborers for temporary work.

The appropriation of the full amount, required for the maintenance of this department, at the beginning of the



season, was a decided advantage, and allowed continuous work to the end of the year without any additional appropriation, except for the three increases in pay of the men.

### Parks

As usual the "public commons" expenditure for maintenance was for the most part for labor in mowing grass. Plenty of rain through the season kept the grass green and growing. At Magoun Park, Logan Grove, Governors Avenue, Hastings Heights and Tufts Park the shrubbery required considerable labor and care. All the shrubbery was pruned by the regular park men and sprayed for San José scale by H. L. Frost & Co. Two large trees at the Delta were cut down and the stumps removed. Two small maples which had died were replaced at Summer Street playground, and seven cords of manure were used on the lawns at Morrison Playground and on lawns and shrubbery beds at the larger parks.

A short section of woven wire fence, four and a half feet high, was built at Logan Grove, and a longer section at Magoun Park. The material for a six feet high woven wire fence 128 feet long was purchased, to be kept in the storehouse until next summer, and then built at Tufts Park between the children's playground and the athletic field for the better protection of the children and the screen of shrubbery.

Eventually a fence like the one at Logan Grove on Otis Street should be built along the front of every park and playground.

### Playgrounds

The playgrounds were green and in good condition all summer long. The trouble with vandalism and loss of parts of the playground apparatus continued at Morrison

Playground; but less trouble was experienced at Tufts Park Playground than formerly. A special park policeman and a general caretaker of apparatus should be employed throughout the playing season to insure the most satisfactory results.

There is a call for smaller swings and an additional slide at all the playgrounds, Tufts Park and Morrison Playground especially. Some preparation for playing tennis at the playgrounds should be made.

The regrading of the diamond at Tufts Park Playground was completed, and the running track at Brooks Playstead was improved by the addition of a part of the cinder screenings from the cinders removed from the diamond at Tufts Park Playground.

### **Drinking Fountains**

A new granolithic platform with two steps (for the smallest children) at the Playstead fountain was constructed by contract in July; and a cement concrete stepping block set in the drinking fountain platform at the Common and at Logan Grove, by our regular park men.

There should be a drinking fountain near the Granville Avenue end of Tufts Park Playground, or near the children's playground apparatus. This playground would be much safer evenings with three additional electric lights. The shade from the large willow trees is very dense, and the police cannot see in the evening what is going on there.

### **Band Concerts**

Eight evening band concerts held on the four large playgrounds were well attended and generally orderly. They were each in charge of one of the Ward Aldermen

and well policed. The first one on the night before the Fourth of July at Tufts Park had an attendance of several thousand. The concert was followed by a bonfire nearby. A disorderly contingent made more or less trouble until after midnight. The other concerts, generally at fortnightly intervals, were not as well advertised and consequently not so well attended. The park department had nothing directly to do with these concerts, except clearing up the next day. Your superintendent attended the first three concerts; but excepting the first one his services were not really needed, as the police had matters well in hand.

### **Bath Houses**

The women's bath house at Foster Court was repaired; but little was done to the men's bath house. An appropriation for repairs should be made. The bathing at this place was even more popular than last year. The caretaker, Mr. Henry J. O'Brien, was employed from June 16 to September 19, inclusive. The attendance, as reported by him and appended in detail, totals 36,325; and the expense to the city was three quarters of a cent each! The city could well afford to improve the facilities materially. If new bath houses are not built the coming year, the present bath houses should be thoroughly repaired and lockers added, as originally planned.

### **New Playgrounds**

Following the meeting of the Park Commission with Mayor Haines and City Solicitor York, July 28, about proposed park or playground at Wellington and proper "taking" procedure, we made a survey on July 29 of the boundaries and a few levels, set stakes at the corners and made a plan for the taking. The taking was made September 30, and recorded at the Registry of Deeds. A blue print of the taking was filed there for record, November 2.

Plans to facilitate the proper location of a playground in Ward 2 at the southwesterly corner of Fellsway and Park Street were made in October, and later extended to Fulton Street and Fulton Terrace continued. The land was cross sectioned every fifty feet and levels taken, and estimates made of areas, assessed values and cost, to grade to a proper level with an easy slope to Fellsway West.

### Recommendations

Three (3) additional electric lights at Tufts Park Playground, two on border of proposed street (in Casey land) and one at the end of Granville Avenue.

Employ one or two men in winter time on pruning, repairing and painting, if mild weather allows this work to be done to good advantage, and be less hurried in the spring. Destruction of gypsy, brown tail, tussock and leopard moths, cutting off dead limbs and removing dead trees, could be done best before the regular spring work begins.

Small playgrounds with children's apparatus at congested points not accommodated by the present larger playgrounds. Two fifty feet house lots would be sufficiently large for each of these small playgrounds.

The woven wire fence at Magoun Park should be extended along the northerly boundary and the same kind of fence built along the whole southern boundary. The shrubbery would then have a chance to grow and thrive as it cannot now.

A survey and plan of Magoun Park boundaries is needed; and permanent bounds should be set.

Respectfully submitted,

EDWARD P. ADAMS,  
Superintendent of Park and Playgrounds.

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

From the Reports of Henry J. O'Brien, Caretaker, 1920

Date	Day	Women	Girls	Men	Boys	Total	
June, 1920							
16	Wed.	2	11	2	10	25	
17	Thur.	3	10	2	10	25	
18	Fri.	3	8	2	12	25	
19	Sat.	3	10	2	15	30	
20	Sun.	5	20	5	20	50	
21	Mon.	3	9	3	15	30	
22	Tues.	2	9	2	12	25	
23	Wed.	5	10	5	15	35	
24	Thur.	5	20	5	25	55	
25	Fri.	10	40	10	65	125	
26	Sat.	20	30	10	40	100	
27	Sun.	20	30	25	50	125	
28	Mon.	25	50	25	75	175	
29	Tues.	25	50	25	75	175	
30	Wed.	25	50	20	70	165	
		150	357	143	509	1165	1165

## FOSTER COURT BATH HOUSES, ATTENDANCE—Continued

Date	Day	Women	Girls	Men	Boys	Total	
July, 1920							
1	Thur.	25	100	50	100	275	1165
2	Fri.	20	80	35	90	225	
3	Sat.	10	30	10	40	90	
4	Sun.	50	140	75	125	390	
5	Mon.	50	125	75	125	375	
6	Tues.	50	100	50	125	325	
7	Wed.	30	135	25	160	350	
8	Thur.	25	200	50	200	475	
9	Fri.	30	200	40	200	470	
10	Sat.	60	250	75	250	635	
11	Sun.	75	200	100	250	625	
12	Mon.	25	150	25	200	400	
13	Tues.	25	200	30	250	505	
14	Wed.	50	300	40	300	690	
15	Thur.	35	300	40	350	725	
16	Fri.	25	275	35	250	585	
17	Sat.	60	325	75	350	810	
18	Sun.	75	250	100	250	675	
19	Mon.	50	225	30	200	505	
20	Tues.	50	200	25	250	525	
21	Wed.	50	250	30	200	530	
22	Thur.	40	200	25	250	515	
23	Fri.	60	250	75	250	635	
24	Sat.	25	125	30	150	330	
25	Sun.	50	200	60	200	510	
26	Mon.	20	110	10	100	240	
27	Tues.	25	200	20	225	470	
28	Wed.	30	250	25	200	505	
29	Thur.	65	300	75	300	740	
30	Fri.	60	275	65	250	650	
31	Sat.	65	300	75	350	790	
		1310	6245	1475	6540	15,570	16,735

FOSTER COURT BATH HOUSES, ATTENDANCE—Continued

Date	Day	Women	Girls	Men	Boys	Total	
August							
1	Sun.	60	250	65	300	675	16,735
2	Mon.	50	300	50	250	650	
3	Tues.	50	250	60	300	660	
4	Wed.	40	250	50	250	590	
5	Thur.	50	250	40	300	640	
6	Fri.	40	300	50	350	740	
7	Sat.	30	250	40	250	570	
8	Sun.	65	300	75	350	790	
9	Mon.	75	250	100	200	625	
10	Tues.	90	450	100	350	990	
11	Wed.	90	300	120	325	835	
12	Thur.	30	225	25	250	530	
13	Fri.	25	250	50	200	525	
14	Sat.	60	200	75	250	585	
15	Sun.	75	250	100	300	725	
16	Mon.	50	250	60	250	610	
17	Tues.	60	300	50	250	660	
18	Wed.	10	60	15	50	135	
19	Thur.	25	200	25	250	500	
20	Fri.	15	200	20	150	385	
21	Sat.	40	250	50	250	590	
22	Sun.	60	200	120	200	580	
23	Mon.	10	175	15	200	400	
24	Tues.	10	75	10	100	195	
25	Wed.	15	100	15	75	205	
26	Thur.	10	100	10	90	210	
27	Fri.	15	150	20	200	385	
28	Sat.	40	200	50	250	540	
29	Sun.	60	300	75	250	685	
30	Mon.	30	250	40	200	520	
31	Tues.	30	200	25	175	430	
		1310	7085	1600	7165	17,160	33,895

## FOSTER COURT BATH HOUSES, ATTENDANCE—Continued

Date	Day	Women	Girls	Men	Boys	Total	
September, 1920							
1	Wed.	20	150	15	150	335	33,895
2	Thur.	10	40	10	50	110	
3	Fri.	20	125	20	100	265	
4	Sat.	50	225	60	250	585	
5	Sun.	30	75	40	100	245	
6	Mon.	10	50	20	75	155	
7	Tues.	20	50	10	75	155	
8	Wed.	15	75	20	100	210	
9	Thur.	5	25	10	40	80	
10	Fri.	2	10	4	10	26	
11	Sat.	2	10	5	15	32	
12	Sun.	5	10	10	20	45	
13	Mon.	5	20	10	20	55	
14	Tues.	2	5	5	10	22	
15	Wed.	2	10	5	10	27	
16	Thur.	5	10	5	15	35	
17	Fri.	2	5	4	2	13	
18	Sat.	4	5	5	5	19	
19	Sun.	2	5	4	5	16	
		211	905	262	1052	2430	36,325



**Third Annual Report**  
**Department of Playground Supervision**  
**City of Medford**

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To the Board of Park Commissioners,

Gentlemen: I hereby present the third annual report of the Supervisor of Playgrounds in regard to the work accomplished by the instructors at the parks of the city for the season of 1920.

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

Miss Katherine Briggs, Medford, Supervisor of girls and smaller children's work.

**Tufts Park**

Miss Marion Briggs, Medford.

Francis Bowler, Medford.

**Morrison Park**

Miss Dorothea Cunningham, Medford.

Charles Donnellan, Medford.

**Brooks Playstead**

Miss Alice Kelley, Medford.

Edward Brawley, Medford.

**Summer Street**

Miss Katherine Briggs (3 days per week) Medford.

Miss May Cleary (2 days per week) Medford.

Philip Towle, Medford.

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

### **Tufts Park**

This park was attended in larger numbers than the others. I believe that this was due in part to the ample shade afforded the children on the hot sunny days. Miss Briggs and Mr. Bowler did excellent work. Both were well liked by the children and were very successful with their athletic teams. The base ball team of this park was the champion team of the playgrounds while the Girls' Dodge and Bat ball teams were champions among the girls' teams of the city playgrounds.

More swings could be used on this park as they always seem to be in demand by the small children. The removal of the large tree in centre field and the moving of the Basket-ball court to the Main St. side of the hedge has greatly improved the baseball field.

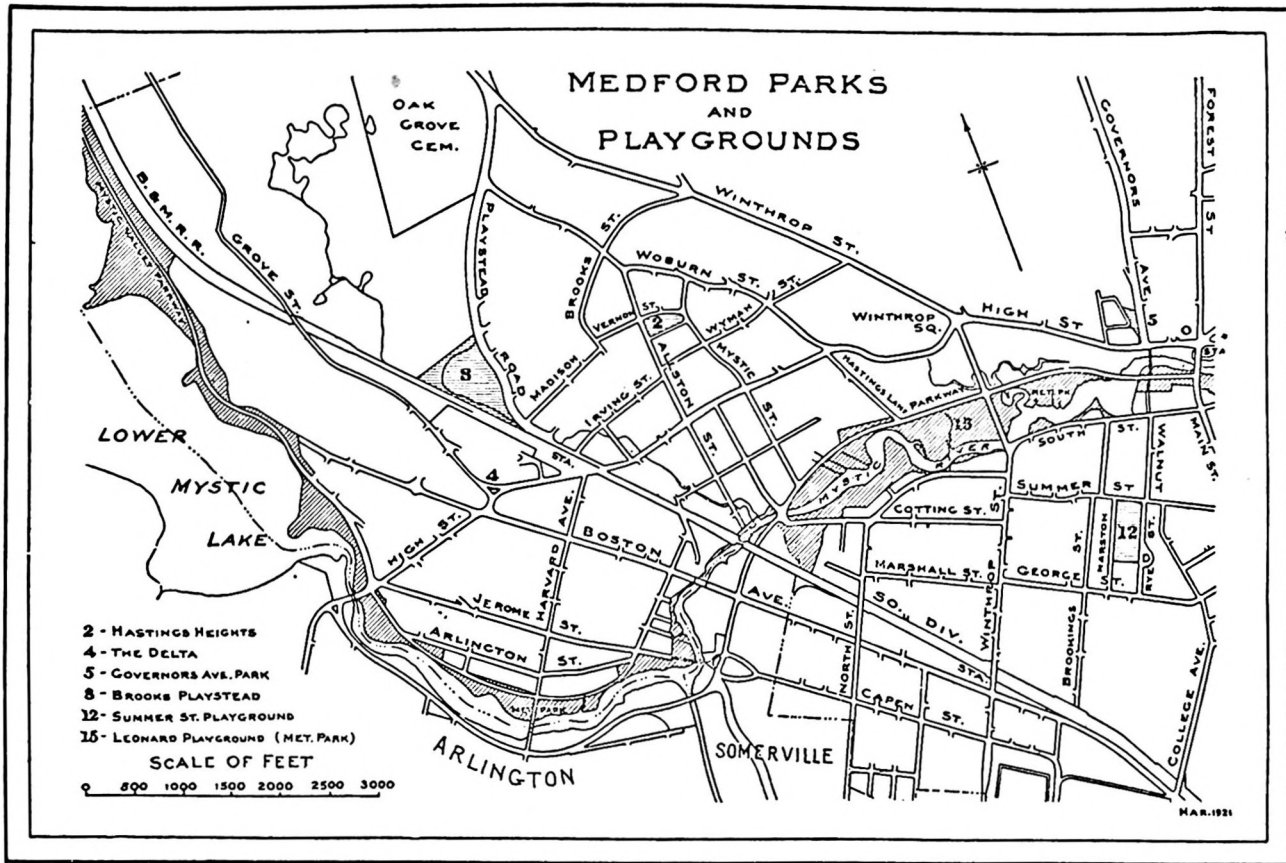
### **Morrison Park**

This playground ranked second to Tufts in attendance. The instructors, Miss Cunningham and Mr. Donnellan, did very good work throughout the season. The girls of this park were the Volley Ball Champions of the playgrounds.

More swings would aid greatly at this playground as well as at Tufts. Also a larger shelter or some shade trees at the north-end of the grounds. At the present time, on the hottest days, the children congregate upon the lawn near Central Ave. as this section affords the only shade, the result being that the grass has suffered considerably. Were there some other shade this part of the grounds could be kept in much better condition.

### **Summer Street**

The interest at Summer St. was far greater than during past summers. I believe this was due chiefly to the presence of Mr. Towle, who managed the boys of the park.



# MEDFORD PARKS

- 1 MEDFORD COMMON
- 3 BROOKS PARK
- 6 LOGAN GROVE
- 7 MACOUN PARK
- 9 TUFTS PARK AND PLAYGROUND

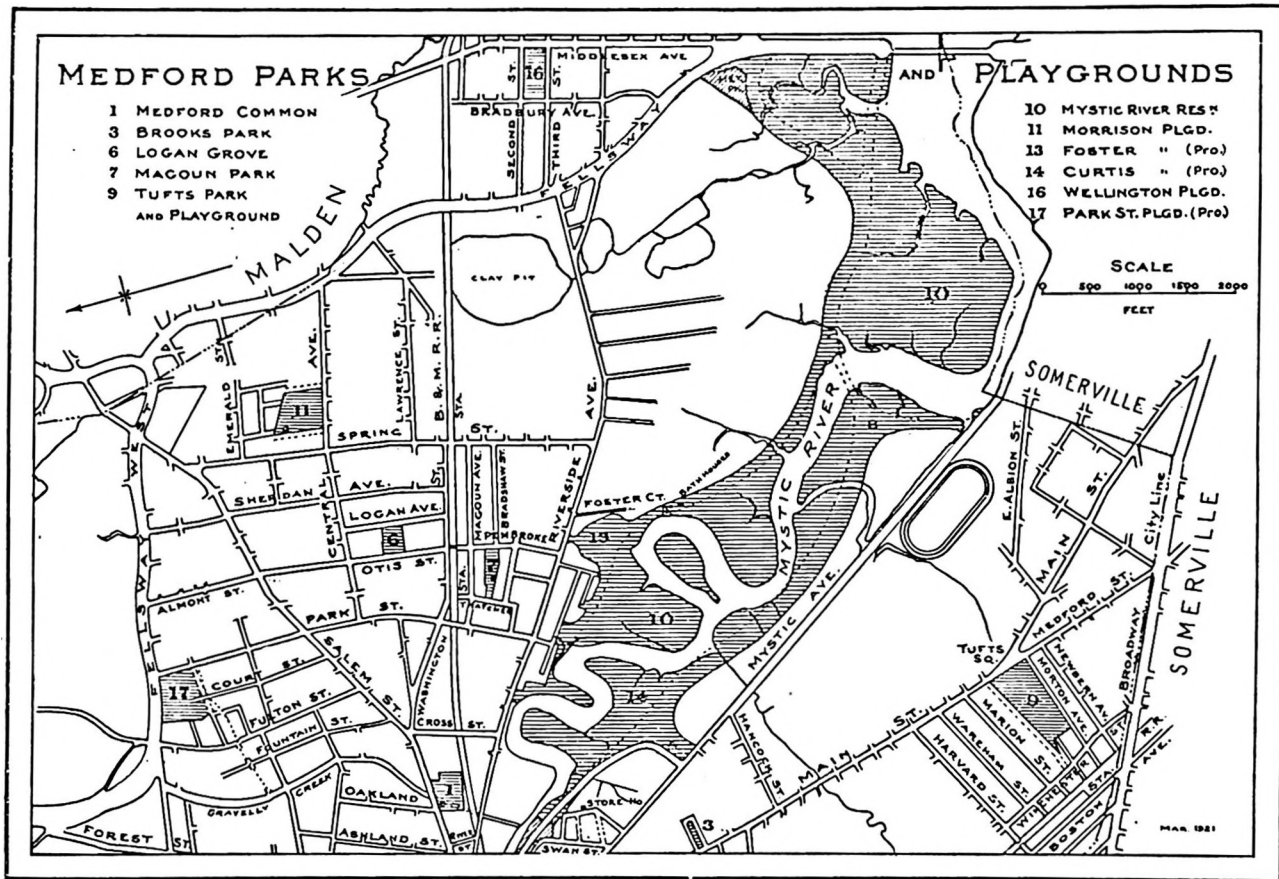
# AND PLAYGROUNDS

- 10 MYSTIC RIVER RES.
- 11 MORRISON PLGD.
- 13 FOSTER " (Pro)
- 14 CURTIS " (Pro)
- 16 WELLINGTON PLGD.
- 17 PARK ST. PLGD. (Pro)

SCALE

500 1000 1500 2000

FEET



Baseball was the principal game and the Summer St. team had a fine record. Miss Briggs and Miss Cleary did excellent work with the girls and much interest was shown in their games.

A shelter is needed at this playground as the trees which were set out last season offer very little shade. The surface of the baseball diamond is very unsatisfactory and the Supervisor recommends a resurfacing of the same.

### Brooks Playstead

The attendance at this park was not as great as at the others. The Supervisor believes this due to many of the children going away for the summer and again to the many bathing places in the vicinity. Miss Kelley and Mr. Brawley did good work with the boys and girls. Several bathing trips were taken to Sandy Beach or Upper Mystic and these seemed to be well enjoyed by the children.

The Supervisor recommends an improvement in No. 1 baseball diamond. He suggests the cutting of a path around the bases and believes that this would make the Playstead field rank with the best in the vicinity of Medford.

The Supervisor believes the season was a successful one. The Field Days were a decided feature and were attended in great numbers.

The baseball series aroused interest and the awarding of prizes to the winners of the Athletic Events brought out increased competition.

The Supervisor wishes to express his appreciation to all who aided in making the season a success, namely The Board of Park Commissioners, Superintendent Adams, Mr. Reed and the Park instructors; he also wishes to thank the press for the space given in recording the events of the playgrounds.

Respectfully submitted,

(Signed) JAMES E. MANSFIELD,  
Supervisor of Playgrounds,

(Oct. 26, 1920

City of Medford, Massachusetts.

September 17, 1920.

Mr. James E. Mansfield,  
Supervisor of Playgrounds,  
  
Medford, Massachusetts.

Dear Sir:

The past playground season has been successful both from the viewpoint of weather and accomplishment.

With the increase in the number of children, the work has been enlarged and much credit is due the instructors for the favorable termination of the playground season.

The children of Tufts Park were well managed by Miss Marion Briggs, whose work was of excellent quality. Tufts Park holds the championship for the second season in both Bat Ball and Dodge Ball.

Miss Dorothea Cunningham did very satisfactory work at Morrison Park. Her Volley Ball Team won the only inter-park game played at a Field Day this summer, and the children from that park did splendid work in the races.

The general good spirit of the Playstead children has been admirable. Miss Kelley's influence in teaching them sportsmanship has proved valuable.

Miss May Cleary, who was at Summer Street two days a week, was well-liked by the children. One of the features of Summer Street was the fact that the playground has become a special community interest. Many of the parents attended field days and outings and visited the park frequently.

The four Field Days have tended to arouse enthusiasm and broaden the children. The programs consisted of races and dancing, and the generally favorite games—Bat Ball, Dodge Ball and Volley Ball. In all games, the aim has been to teach the children to be good losers as well as good winners, a quality fundamental to good citizenship.

The presentation of badges and theatre tickets to the winners at the final Field Day added to the interest and pleased many children.

Respectfully yours,

KATHERINE BRIGGS,

Supervisor of Girls' Playground Work.



**Games, Feats and Dances used on Medford Playgrounds  
During Summer of 1920**

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**Ball Games**

Bat Ball	Straddle Ball
Dodge Ball	Guess Ball
Volley Ball	Pie Ball
Squash Ball	Arch Ball
Base Ball	Call Ball
Basket Ball	Ball Chase
Pass Ball	Centre Ball

**Circle Games**

Walter, Walter Wild Flower	Garden Scamp
Three Deep	Beater Goes Round
Jacob and Rachel	Bull in the Ring
Blind Man's Buff	Cat and Mouse
Go in and out the Window	Mulberry Bush
Drop the Handkerchief	Sailor Boy
Have You Seen My Sheep?	Jump the Shot
Little Sally Water	Lazy Betsy

**Feats**

Chinese get up	Pray Da
Dog Jump	Wooden Soldier
Hand Stand Salute	Cart wheel
Lath and Plaster	Measuring with Arms

**Quiet Games**

Knuckle	What do you put in the Old Man's Soup?
Pig	Colors
Poor Pussy	Ring Toss
Button, Button	Slap Jack
Gossip	Conglomeration
My Aunt just got home from China	Fruit Basket
Checkers	Bird, Beast or Fish

**Miscellaneous Games**

<b>Animal Chase</b>	<b>Potato Race</b>
<b>Charley over the Water</b>	<b>Puss in the Corner</b>
<b>Catch and Pull Tug of War</b>	<b>Tag the Wall Relay</b>
<b>Do This, Do That</b>	<b>Ten Steps</b>
<b>Duck on the Rock</b>	<b>Transfer Race</b>
<b>Lame Fox</b>	<b>Leap Frog</b>
<b>Follow the Leader</b>	<b>Circular Track Race</b>
<b>Forty Ducks Arriving</b>	<b>Hill Dill</b>
<b>Bean Bag Relay</b>	<b>Basket Ball Distance Throw</b>
<b>Trades</b>	<b>Chinese Gate</b>
<b>Hide the Cross</b>	<b>Three Little Indians</b>
<b>Walking up the Green Grass</b>	<b>Teacher</b>
<b>Prisoners' Base</b>	<b>Crossing the Brook</b>

**Dances**

<b>Pop goes the Weasel</b>	<b>Blue Bird</b>
<b>Did you ever see a Lassie</b>	<b>Farmer in the Dell</b>
<b>Oats, pears, beans and barley</b>	

MEDFORD PLAYGROUNDS, SEASON OF NINETEEN TWENTY

Table I. Weekly and Total Attendance

	JULY				AUGUST				Total
	7	14	21	28	4	11	18	25	
Tufts .....	860	1010	1270	1225	1230	1105	1648	1205	9557
Morrison .....	673	694	576	611	543	577	677	971	5322
Playstead .....	461	427	460	499	472	357	538	818	4032
Summer Street .....	537	473	544	531	499	975	599	507	4665
	<u>2531</u>	<u>2604</u>	<u>2850</u>	<u>2866</u>	<u>2744</u>	<u>3014</u>	<u>3462</u>	<u>3501</u>	<u>23,572</u>

Table II. Attendance of Boys

	JULY				AUGUST				Total
	7	14	21	28	4	11	18	25	
Tufts .....	390	370	565	600	660	605	858	680	4728
Morrison .....	356	392	291	325	294	320	398	545	2921
Playstead .....	241	204	233	238	234	185	301	430	2066
Summer Street .....	293	259	306	248	238	400	336	258	2428
	<u>1280</u>	<u>1225</u>	<u>1395</u>	<u>1411</u>	<u>1426</u>	<u>1600</u>	<u>1893</u>	<u>1913</u>	<u>12,143</u>

MEDFORD PLAYGROUNDS SEASON OF NINETEEN TWENTY—Continued

Table III. Attendance of Girls and Small Children

	JULY				AUGUST				Total
	7	14	21	28	4	11	18	25	
Tufts .....	470	640	705	625	570	500	790	525	4825
Morrison .....	317	302	285	286	249	257	279	426	2401
Playstead .....	220	233	227	261	238	172	237	388	1966
Summer Street .....	244	214	238	283	261	485	263	249	2237
	<u>1251</u>	<u>1379</u>	<u>1455</u>	<u>1455</u>	<u>1318</u>	<u>1414</u>	<u>1569</u>	<u>1588</u>	<u>11,429</u>

Cost of attendance of each child per session:

\$1,800

equals \$0.0763

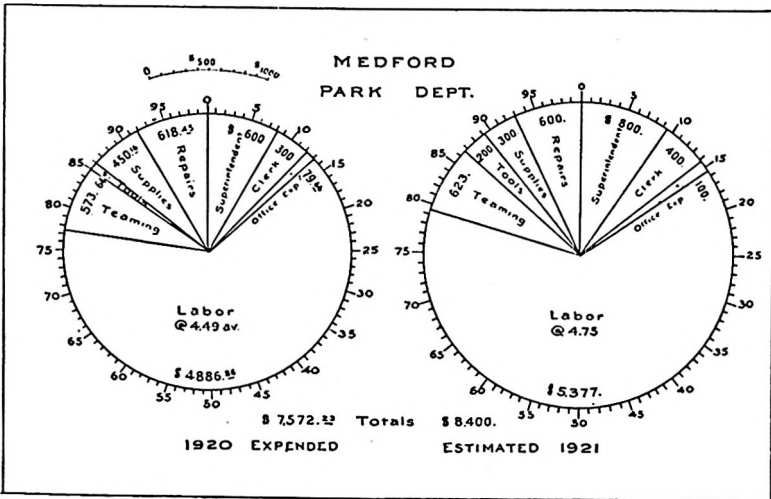
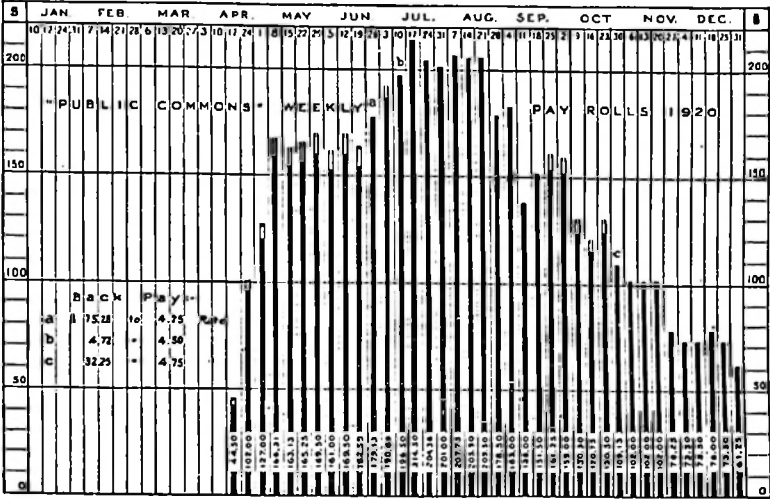
23,572

Respectfully submitted,

(Signed) JAMES E. MANSFIELD,

Supervisor.

# COST CHARTS



# Report of Water and Sewer Commissioners

---

Medford, Mass., January, 1921.

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

Dear Sir:

The Annual Report of the Water and Sewer Department for the year 1920 is herewith submitted.

Mr. McDonald resigned from the board, serving until May 12th. Mr. John J. Irwin was appointed to fill the vacancy beginning July 28th, otherwise the organization is unchanged.

The water consumption by the City as reported by the Metropolitan Water and Sewerage Board totaled for the year 636,741,000 gallons; the low service was 493,020,000 gallons and the high service was 143,721,000 gallons, which figures 44 gallons average per person per day for the year compared with 47 gallons for the year 1919. The smallest consumption per person reported in the Metropolitan District.

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 Twenty-five Hundred Dollars (\$2500.00); for Brooks and Streams Five Hundred Dollars (\$500.00).

The work done in detail, follows:

## NEW MAINS

STREET	LOCATION	Length	Size
Arlington Street .....	From end near High Street southerly.....	73 ft.	6 in.
Butler Street .....	From end southerly (trench work only).....		
College Avenue .....	From Frederick Avenue southerly .....	572 ft.	10 in.
Ellsworth Street .....	From Gaston Street to end.....	329 ft.	3 & 2½ in.
First Street .....	From end westerly .....	27 ft.	6 in.
Frederick Avenue .....	From end to College Avenue.....	17 ft.	6 in.
Gaston Street .....	From Fulton Street easterly.....	459 ft.	3 & 2½ in.
Gaston Street .....	From near Taft Street easterly.....	430 ft.	6 in.
Gilson Avenue .....	From end southerly to Wagner Road.....	102 ft.	6 in.
Hall Road .....	From Forest-St. High Service main to gate...	55 ft.	8 in.
Jackson Street .....	From end southerly.....	40 ft.	6 in.
Lee Street .....	From Sherwood Road to Westwood Road.....	261 ft.	8 in.
Leighton Street .....	From Ellsworth Street to end.....	313 ft.	2½ in.
Murray Street .....	From end northerly to end.....	75 ft.	2½ in.
Saunders Street .....	From end to end.....	1012 ft.	6 in.
Sherwood Road .....	From end westerly to Lee Street.....	9 ft.	8 in.
Tyler Avenue .....	From Grove Street to connect.....	142 ft.	6 in.
Walsh Street .....	From end east of Ames Street easterly.....	24 ft.	6 in.
Wason Street .....	From Fulton Street easterly to end.....	145 ft.	8 in.
Westwood Road .....	From Lee Street westerly.....	248 ft.	8 in.
Wolcott Street .....	From end near Austin Road to near High St.	187 ft.	6 in.

Total length mains in use Jan. 1, 1920.....	395,199 ft.
Extension of mains 1920.....	4,520 ft.

Total length mains in use Jan. 1, 1921..... 399,719 ft. or 75.704 miles

**MAIN LEAKS**

Ten main leaks have been attended to.

**NEW HYDRANTS**

College Avenue	300 feet south of Frederick Avenue
Ellsworth Street	90 feet south of Gaston Street
Garden Street	80 feet west of Oakland Street
Gaston Street	300 feet west of Taft Street
Saunders Street	50 feet south of Taft Street
Saunders Street	Opposite Greenhalge Street
Sherwood Road	Opposite Lee Street
Westwood Road	200 feet west of Lee Street

There are now 730 hydrants available for fire purposes which are inspected and kept in good repair by this department.

**STANDPIPES AND FOUNTAINS**

Two standpipes were taken out. All others have been cared for.

**SERVICES**

One hundred and thirty-eight new services have been installed, their length totalling 7,135 feet 11 inches; 2,818 feet 8 inches in the street and 4,317 feet 3 inches on private property.

Sixty-six services have been renewed in the street; nine have been thawed, one hundred and fifteen leaks repaired, and two hundred and twenty-two have been cleared.

Eleven services were abandoned.

**METERS**

During the year there have been set 137 meters on services new; 474 meters, 118 of which were frozen, have been taken out, cleaned, repaired and tested. Nine metered accounts were abandoned.



## SEWER CONSTRUCTION

STREET	LOCATION	Length	Size
Austin Road .....	From Prescott Street to Flusher.....	439.5 ft.	8 in.
College Avenue .....	From Frederick Ave. southerly to Sta. 5 57.3	557.3 ft.	8 in.
Fells Avenue .....	From Sta. 9 47.1 to Sta. 11 74.4.....	227.3 ft.	8 in.
Fulton Street .....	From Sta. 23 29.4 to Sta. 36 63.....	1333.6 ft.	8 in.
Hall Road .....	From Forest St. to street line Sta 0 42.7.....	42.7 ft.	8 in.
Murray Hill Road .....	From Sta. 5 06.8 westerly to Sta. 8 14.50.....	307.7 ft.	8 in.
Off Murray Hill Road.....	From Hillsboro Ter. n'th'ly to Murray Hill Rd.	506.8 ft.	8 in.
Prescott Street .....	From Sta. 0 88.3 easterly to Austin Rd.....	376.7 ft.	8 in.
Wolcott Street .....	From Austin Road northerly to Sta. 4 48.05..	448.65 ft.	8 in.

Total length of sewers January 1, 1920..... 350,951.54 ft.  
 Sewers laid during 1920..... 4,240.25 ft.

Total length of sewers January 1, 1921,..... 355,191.79 ft. or 67,271 miles

**SEWER CONNECTIONS**

Eighty-eight connections have been made with the main sewer.

**SEWER MAINTENANCE**

Fifty-two connections have been cleared of obstructions, five of which were relaid or repaired.

**BROOKS AND STREAMS**

All brooks and streams in our charge have been cleaned and cared for as usual, and by order of the Board of Aldermen, the fence at Salem Street at the Gravelly Creek crossing, was renewed.

The following financial statement for the year is reported by the Registrar:

**Water Works Account, 1920.**

Cr.

Receipts, water rates .....	\$90,644.47
Receipts, construction .....	8,380.00
Receipts, maintenance .....	418.39
Receipts, meter account .....	14.00
Receipts, water bonds .....	8,000.00
	<hr/>
	\$107,456.86

Dr.

Paid, maintenance of the works.....	\$30,713.31
Paid, twenty-second assessment for Metropolitan Water..	38,174.66
Paid, construction, meters and service pipes.....	38,568.89
	<hr/>
	\$107,456.86

**Sewer Construction Account, 1920.**

Cr.

Balance remaining, see previous report.....	\$6,164.90
Sewer connection assessments.....	9,164.63
Apportioned accounts .....	2,682.68
Appropriation .....	20,000.00
Receipts, stock and labor bills.....	2,245.48
	<hr/>
	\$40,257.69

204 REPORT OF WATER AND SEWER COMMISSIONERS

Dr.

Paid, sewer construction 1920.....	\$30,408.38
Apportioned accounts .....	3,160.07
Sewer assessments, Aldermen's order to abate.....	456.15
Balance unexpended December 31, 1920.....	6,233.00
	<hr/>
	\$40,257.60

Sewer Maintenance Account, 1920.

Cr.

Appropriations .....	\$2,500.00
Receipts, 1920 .....	1.80
	<hr/>
	\$2,501.80

Dr.

Paid during 1920.....	\$2,501.80
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Brooks and Streams Account, 1920.

Cr.

Balance remaining, see previous report.....	\$28.94
Appropriations .....	550.00
	<hr/>
	\$578.94

Dr.

Paid during 1920 .....	\$578.94
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Sewer Assessments

Total assessments, January 1, 1920.....	\$327,402.24
Assessments abated during 1920.....	456.15
	<hr/>
Total assessments levied to date.....	\$326,946.00

Petitions for the apportionment of sewer assessments to the amount fo \$586.19 were granted during 1920 and the same certified to the Board of Assessors.

Sewer connection assessments to the amount of \$2,573.88 were granted apportioned by the Board of Assessors during 1920.

College Avenue Drain, 1920.

Cr.

Appropriations .....	\$3,500.00
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Dr.

Paid during 1920.....	\$3,500.00
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REPORT OF WATER AND SEWER COMMISSIONERS 205

The sewer connection work during the year has cost per foot as follows:

2 connections	80 ft.	Cost between	\$ .90 and \$ 1.00
62 "	3255 ft. 6 in.	" "	1.00 " 2.00
18 "	811 ft.	" "	2.00 " 3.00
2 "	15 ft.	" "	3.00 " 4.00
4 "	155 ft.	Cost over	4.00

Making 88 connections 4,322 feet 6 inches, costing \$7,942.68, making the average cost per linear foot of work \$1.837, making to January 1, 1921:

Total number of sewer connections.....	0,346
Total length of all sewer connections.....	233,794.5 feet or 53.74 miles
Total cost of all sewer connections.....	\$167,718.41
Average length of all sewer connections.....	44.72 feet
Average cost per foot of all sewer connections.....	\$0.59
Buildings connected with sewer December 31.....	6,211
Built for families, see last report.....	8,829
Additional accommodated during 1920.....	95
	8,924

Also five factories, three garages, one school house, one church, one barn, one storehouse, one milk station and city hall location.

Water Maintenance, 1920.

	Bills	Labor	Total
Administration .....	\$4,504.17	\$4,500.00	\$9,004.17
Main pipe leaks .....	187.15	342.37	529.52
Service pipe leaks.....	112.80	922.50	1,035.48
Services cleared or renewed.....	488.24	1,343.01	1,831.25
Services abandoned .....	37.75	233.52	271.27
Services inspected .....		2.99	2.99
Gates, stops and boxes.....	309.04	465.31	774.35
Meters .....	634.43	5,895.58	6,530.01
Hydrants .....	606.10	1,534.19	2,140.29
Fountains .....	84.55	123.74	208.29
Stable and garage.....	1,737.02	2,235.50	3,972.52
Shop and stock.....	1,064.87	1,796.87	2,861.74
Turning on and off water.....		578.59	578.59
Delivering bills .....		377.07	377.07
City of Malden for water.....	1.03		1.93
Taking account of stock.....		78.55	78.55
Inspecting gates .....		3.28	3.28
Teaming coal, band-stand, etc. ...		21.96	21.96
Wrights Pond expense.....		458.80	458.80

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Printing annual report.....	12.00		12.00
Blowing off mains.....		3.78	3.78
With Insurance man.....		.94	.94
Changing service to new main...	2.57	8.55	11.12
Changing service from low to high	2.82		2.82
Miscellaneous .....		.59	.59
	<hr/>	<hr/>	<hr/>
Total paid in 1920.....	\$9,785.53	\$20,927.78	\$30,713.31

Water Construction, 1920.

New Mains Account			
	Bills	Labor	Total
Arlington Street .....	\$172.67	\$105.77	\$278.44
Butler Street .....	407.66	287.30	694.98
College Avenue .....	1,810.16	888.76	2,698.92
Ellsworth Street.....	303.57	94.90	398.47
First Street .....	54.89	65.98	120.87
Frederick Avenue (See College Ave.)	.....	.....	.....
Gaston Street .....	1,298.56	831.91	2,130.47
Gilson Avenue .....	571.51	520.66	1,092.17
Hall Road .....	177.35	114.31	291.66
Jackson Street .....	59.35	49.33	108.68
Lee Street .....	912.36	977.18	1,889.54
Leighton Street .....	209.29	52.50	261.79
Murray Street .....	73.42	128.30	201.72
Saunders Street .....	2,350.15	1,859.85	4,210.00
Sherwood Road .....	149.02	28.69	177.71
Tyler Avenue .....	241.27	98.81	340.08
Walsh Street .....	43.18	16.22	59.40
Wason Street .....	481.71	268.87	750.58
Westwood Road .....	934.24	665.10	1,599.34
Wolcott Street .....	668.68	400.93	1,069.61
Other Expense			
	Bills	Labor	Total
New Services laid.....	\$4,375.33	\$4,332.18	\$8,707.51
New Meters account.....	1,921.66	47.48	1,969.14
New Hydrants account.....	337.34	94.13	431.47
New Gates .....	22.97	29.97	52.94
Engineers .....	601.60		601.60
Work done, to be collected for..	1,013.34	955.06	1,968.40
Stable and Garage.....	3,200.00		3,200.00
Administration .....		9,000.00	9,000.00
	<hr/>	<hr/>	<hr/>
Total Cost .....	\$22,391.30	\$21,914.19	\$44,305.49
Stock used of previous years and items duplicated.....			\$5,736.60
			<hr/>
Net amount paid 1920.....			\$38,568.89

Sewer Maintenance, 1920.

	Bills	Labor	Total
Sewer connections stopped .....	\$49.01	\$380.34	\$429.35
Scraping and cleaning sewers....	309.21	1,450.69	1,759.90
Sewers stopped and investigated		87.59	87.59
Care of manholes.....	8.02	45.44	53.46
Stock and tools .....	169.10	12.18	181.28
Care of shop and tools.....		27.25	27.25
Stable and garage.....	20.00		20.00
	<hr/>	<hr/>	<hr/>
Total cost .....	\$555.34	\$2,003.49	\$2,558.83
Stock used from other account.....			57.03
			<hr/>
Net amount paid 1920.....			\$2,501.80

Sewer Construction, 1920.

New Sewers

	Bills	Labor	Total
Austin Road .....	\$755.21	\$1,258.72	\$2,013.93
College Avenue .....	1,022.44	1,266.19	2,288.63
Fells Avenue .....	472.41	604.52	1,076.93
Fulton Street .....	2,690.08	3,713.57	6,403.65
Hall Road .....	51.32	68.62	119.94
Murray Hill Road.....	1,035.28	1,166.65	2,201.93
Murray Hill Road, Off.....	1,174.83	1,489.97	2,664.80
Prescott Street .....	796.51	1,193.36	1,989.87
Wolcott Street .....	1,291.45	1,759.76	3,051.21

Other Expense

Sewer connections .....	\$17.58	\$4,420.43	\$4,438.01
Stable and garage .....	2,000.00		2,000.00
Engineers .....	966.12		966.12
Work done, to be collected for..	1,194.18	642.18	1,836.36
Administration .....	1,932.01	1,067.99	3,000.00
Settled trenches .....		11.78	11.78
	<hr/>	<hr/>	<hr/>
Total cost .....	\$15,399.42	\$18,663.74	\$34,063.16
Stock used of previous years and items duplicated.....			3,654.78
			<hr/>
Net construction paid 1920.....			\$30,408.38

Brooks and Streams, 1920.

General Account	Bills	Labor	Total
Care and inspection .....	\$5.08	\$77.88	\$82.96
Gravelly Creek			
Repair conduit and cleaning.....	34.00	32.70	66.70
Repair fence .....	121.25	21.28	142.53
Whitmore Brook			
Covering, grade up and finish....	14.20	38.25	52.45
Care and inspection.....	20.00	71.06	91.06
Winter Brook			
Cleaning .....	19.26	125.98	145.24
	<hr/>	<hr/>	<hr/>
Cost .....	\$213.79	\$367.15	\$580.94
Stock used from other accounts.....			2.00
			<hr/>
Net amount paid 1920.....			\$578.94

Surface Drain Construction, 1920.

	Bills	Labor	Total
College Avenue .....	\$1,492.76	\$2,007.24	\$3,500.00

Respectfully submitted,

JOHN D. DWYER,  
ROBERT E. FERGUSON,  
JOHN J. IRWIN,

Water and Sewer Commissioners, City of Medford.

# Report of the Overseers of the Poor

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

Dear Sir,

We, the Overseers of the Poor, in accordance with the City Ordinances, herewith submit our report for the year ending December 31st, 1920.

As a fitting preface we desire to register our appreciation of your continuous support during a year that has been unusually trying when we have endeavored to make an inflated dollar purchase fifty cents of real relief.

Your appropriations for all relief purposes have amounted to \$37,036.61; however, re-imburements have been the largest in the history of the department, and we have collected \$8,040.52.

## City Home

The total expended at the Home has been \$8,352.83, and as \$1,303.69 has been collected, the net cost was \$7,049.14. There were 26 inmates at the Home on January 1st, 1920, three having died during the year and three were admitted. The number at the Home on December 31st, 1920, was nine women and 17 men.



We have added a Hospital Room, which we have equipped on a small scale. Its value will only be known at a later date, although we have had to use it on numerous occasions during the past year.

The rooms in the men's department are badly in need of repair. We desire to paint the rooms and hallways and recommend that you appropriate the sum of \$500.00 for this purpose.

### Outside Relief

Outside aid includes all aid outside the City Home. The total expended for this purpose has been, \$28,683.78. Of this amount \$6738.83 has been collected, leaving a net cost of \$21,976.95. This amount is mostly chargeable to Mother's Aid.

We began the year with 20 cases and have added 10 more, making a total of 30 cases in Medford with 4 cases in other cities. These cases include 80 persons, adults and children.

This law is one of the most benevolent of any relief measures which are in force in this State, as it gives a mother with dependent children a wonderful opportunity to devote herself to those children. As we see these cases, we find them to be very satisfactory.

In other Outside Aid we have aided 38 families and 60 persons. These have been mostly confined to their own homes. Many applications have been made to this department for assistance, and upon investigation we have found that it is merely temporary aid that is needed.

We express our appreciation for the work and service rendered by our City Physician, in co-operation.

At Christmas time, with the co-operation of some of our local school teachers and their pupils, this department was able to furnish in abundance the necessities of life, and the members of this Board desire at this time to extend their appreciation of this unsolicited assistance.

We desire at this time to call to your attention the building of a Sun Room on the south side of the City Home. It is in the opinion of this Board that the inmates, during the few remaining years of their lives, would derive untold benefits from this addition to the Home. We therefore recommend that you appropriate the sum of \$2,000.00 for this purpose.

**Summary of Expenditures  
City Home**

Salaries .....	\$2,066.67	
Food .....	2,389.08	
Light, Gas and Electric.....	132.10	
Telephone .....	69.99	
Clothing and Shoes.....	404.15	
Equipment .....	621.50	
Medicine and Nurse.....	646.99	
Burials .....	15.00	
Ord. Repairs .....	414.31	
Hay and Grain.....	802.05	
Live Stock .....	311.70	
Miscellaneous .....	426.37	
Water .....	62.92	
		\$8,352.83

**Receipts**

Appropriation .....	\$6,000.00	
Transfers .....	1,049.14	

Board .....	450.00	
Sale of Live Stock.....	200.00	
Sale of Produce.....	653.69	
	<hr/>	\$8,352.83

### Outside Relief

Cash allowances, Mothers' Aid...	\$13,156.00	
Cash allowances, Outside.....	7,677.10	
Groceries .....	670.00	
Shoes and Clothing.....	333.42	
Milk .....	63.65	
Fuel .....	348.86	
Other Cities.....	1,196.40	
Board in Institutions.....	2,451.05	
Board in own homes.....	677.63	
Hospital care .....	1,521.94	
Medical attention .....	45.10	
Medicine .....	101.46	
Burials .....	120.00	
Miscellaneous, rents, etc.....	321.17	
	<hr/>	\$28,683.78

### Receipts

Appropriation .....	\$20,000.00	
Transfers .....	1,946.95	
Commonwealth .....	4,650.95	
Other Cities .....	2,085.27	
	<hr/>	\$28,683.78

Respectfully submitted,

JOHN J. FITZ GERALD, Chairman.

GEORGE J. HACKETT, Clerk

REUBEN M. PITMAN

# Report of the City Clerk

---

January 17, 1921.

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

Gentlemen:

## Annual Report of City Clerk, 1920

I attach herewith an itemized and detailed report of the fees collected in this office for the year 1920.

I have on file receipts by months from the City Collector which total \$1,584.20 (\*)

The Board of Aldermen held 22 regular, 2 regular adjourned and 7 special meetings.

The number of deaths recorded for 1920 were 553; it is likely that some out of town reports for 1920 deaths will be received subsequent to this date.

The number of births as per canvassers' report for the year 1919 was 1079.

## Receipts

Marriage intentions filed, 508.....	\$ 508 00
Mortgage records filed, 287.....	345 30
Copy of records, 136.....	74 25
Garage permits, 11.....	39 00
Storage of gasoline permits, 11.....	11 00
Lord's Day licenses, 3.....	15 00
Common Victualer's licenses, 1.....	3 00
Billiard and Pool Room licenses, 1 (1 Ex. Table).	1 00

(\*) Beginning April 1, 1920, the provisions of the new City Ordinances relative to payment of certain fees to the City Collector were put in force.

## REPORT OF CITY CLERK

Hawkers' and Pedlers' licenses, 1.....	26 00
Distribution of Hand Bill permits, 29.....	14 50
Job and Express Wagon licenses, 1.....	1 00
Pole Location grants, 30.....	30 00
Transportation of Explosives permits, 1.....	50
Auctioneers' licenses, 4.....	8 00
Lunch Cart licenses, 2.....	10 00
Sale of Alcohol permits, 1.....	1 00
Sale of Second Hand Motor Vehicle licenses, 15..	241 00
Registration of Optometrists, 6.....	3 00
Fees for Dog licenses, 877.....	175 40
City's fees for hunting and fishing licenses, 400....	60 00
Miscellaneous items, 41.....	17 25
	<hr/>
	\$1,584 20

Respectfully submitted,

CHARLES A. WINSLOW,

City Clerk.

# Report of the City Engineer

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January 20, 1921.

Honorable Benjamin F. Haines,

Dear Sir:

I have the honor to submit to you the twenty-seventh annual report of the Civil Engineering Department of the City of Medford, for the year ending December 31, 1920.

## Financial Statement

Appropriation, Jan. 1, 1920....	\$1,500.00	
Extra appropriation, June 29, 1920 .....	600.00	
	<hr/>	\$2,100.00
Credits:		
Highway Department .....	\$1,847.87	
Water and Sewer Department	1,571 98	
Board of Survey .....	53.78	
Assessing Department .....	550.52	
Cemetery Department .....	76.40	
Fulton Heights School.....	8.72	
	<hr/>	\$4,109.27
		<hr/>
		\$6,209.27

## Expended: Pay rolls

Pay roll, general.....	\$978.41	
Acceptance Plans .....	26.98	
Assessing Department .....	279.61	
Assessing Department (Plans)	548.32	
City Map .....	267.08	
Public Property .....	42.54	
Hancock School .....	2.84	
Fulton Heights School .....	8.72	
Cemeteries .....	76.40	
Highway Department .....	1,815.32	
Water and Sewer Department:		
Sewer Division .....	949.64	
Water Division .....	593.76	
Brooks and Streams		
Division .....	4.26	
Board of Survey.....	53.78	
	<hr/>	\$5,647.66

## Bills as follows:

Carfares, postage and inci-		
dentals .....	\$186.49	
Telephone .....	29.44	
Printing and Stationery .....	64.06	
Drafting materials .....	85.04	
Surveying materials .....	133.25	
Blue and black line prints....	28.20	
Map mounting .....	6.98	
Medford Publishing Company	27.50	
Expressage .....	.59	
	<hr/>	\$561.55
		<hr/>
		\$6,209.21
Balance .....		.06
		<hr/>
		\$6,209.27

**Streets for Acceptance**

By request of the Board of Aldermen, surveys, plans, profile, registry examination and description has been made of two private streets for acceptance, viz:

Street	Ward	From	To
Jackson Street	7	Fellsway	Riverside Ave.
Sanger Street	5	Edwards Street	Joseph Street



### Streets Accepted

The following streets have been accepted:

Street	Originally	From	To	Length	Date
Amaranth Ave. ....		Myrtle St. ....	Fellsway .....	659.68	Dec. 4, 1920
Dwyer Circle .....	Acton Circle .....	Gourley Rd. ....	Gourley Rd. ....	525.45	Jul. 7, 1920
Gourley Rd. ....	Rye Street .....	Summer St. ....	George St. ....	904.76	Jul. 7, 1920
Piggott Rd. ....	Brownell St. ....	Boston Ave. ....	North St. ....	926.16	Jul. 7, 1920
Pinkham Rd. ....	Chandler St. ....	Boston Ave. ....	Capen St. ....	538.47	Jul. 7, 1920

### Name of Street Changed

Original	New	From	To
Gove Street	Harris Road	Boston Avenue	Capen Street

**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.

## SIDEWALKS AND EDGESTONES

### WARD ONE

STREET	FROM	TO	Side	Lin. Ft. St. Stone	Lin. Ft. Circle St.	Sq. Yds. Gran.
Garfield Ave. ....	Spring St. ....	Central Ave. ....	Both South	1613.11	.....	.....
Central Ave. ....	Spring St. ....	Fellsway ....		1215.45	54.25	.....
Pinkert St. ....	No. 52 ....	.....		.....	.....	34.40
				2328.56	54.25	34.40

### WARD TWO

STREET	FROM	TO	Side	Lin. Ft. St. Stone	Lin. Ft. Circle St.	Sq. Yds. Gran.
Franklin St. ....	Park St. ....	Washington St. ....	North	.....	.....	Staked
Washington St. ....	No. 100 ....	No. 102 ....	North	48.00	.....	37.37
Maverick St. ....	Riverside Ave. ....	Ship Ave. ....	Both	406.12	54.75	.....
Fulton Sp. Rd. ....	Fulton St. ....	Sta. 5-75 ....	Both	1063.00	52.29	2 Cor. Blocks
				1517.12	107.04	37.37

### WARD THREE

STREET	FROM	TO	Side	Lin. Ft. St. Stone	Lin. Ft. Circle St.	Sq. Yds. Gran.
Porter Rd. ....	Governors Ave. ....	At Corner .....	Both West East	.....	Staked	.....
Forest St. ....	No. 132 .....	No. 172 .....		575.07	50.50	463.62
Terrace Rd. ....	No. 59 .....	.....		575.07	50.50	75.15
				575.07	50.50	538.77

### WARD FOUR

STREET	FROM	TO	Side	Lin. Ft. St. Stone	Lin. Ft. Circle St.	Sq. Yds. Gran.
Chester Ave. ....	No. 48 .....	No. 50 .....	North	45.00	.....	.....
Dearborn St. ....	Lyman Ave. ....	Winthrop St. ....	North	883.15	23.50	.....
Touro Ave. ....	Summer St. ....	South St. ....	Both	1346.04	.....	.....
Greenleaf Ave. ....	Winthrop St. ....	Beyond Brookings St. ....	North	.....	.....	Staked
Florence St. ....	Royal St. ....	College Ave. ....	Both	802.70	48.15	.....
				3166.89	71.65	.....

### WARD FIVE

STREET	FROM	TO	Side	Lin. Ft. St. Stone	Lin. Ft. Circle St.	Sq. Yds. Gran.
Bow St. ....	No. 40 .....	No. 42 .....	East	70.00	.....	45.59
Stanley Ave. ....	No. 39 .....	No. 41 .....	North	.....	.....	20.30
Main St. ....	No. 427 .....	No. 429 .....	West	65.82	.....	65.47
Boston Ave. ....	No. 554 .....	No. 578 .....	East	350.00	.....	323.00
Boston Ave. ....	No. 582 .....	Harvard St. ....	East	.....	.....	104.11
Meacham St. ....	Cor. Henry St. ....	Somerville Line .....	Both	53.10	.....	.....
Bowdoin St. ....	Dartmouth St. ....	Colby St. ....	Both	Staked	.....	.....
Berwick Rd. ....	Harvard St. ....	Yale St. ....	Both	Staked	.....	.....
				538.92	.....	558.47

**WARD SIX**

STREET	FROM	TO	Side	Lin. Ft. St. Stone	Lin. Ft. Circle St.	Sq. Yds. Gran.
High Street .....	Sagamore Ave. ....	Mystic Val. Pky. ....	North	.....	.....	Staked
High Street .....	B. & M. R. R. ....	Johnson Ave. ....	North	138.00	.....	418.07
Tyler Ave. ....	Johnson Ave. ....	Grove St. ....	Both	2041.05	66.60	.....
High Street .....	Boston Ave. ....	Mystic River .....	South	.....	.....	Staked
Chardon Rd. ....	No. 7 .....	No. 15 .....	South	.....	.....	38.66
Harris Rd. ....	Boston Ave. ....	Capen St. ....	Both	.....	.....	Staked
Winthrop St. ....	Emery St. ....	Capen St. ....	North	Staked	.....	.....
				2179.05	66.60	456.73

**WARD SEVEN**

STREET	FROM	TO	Side	Lin. Ft. St. Stone	Lin. Ft. Circle St.	Sq. Yds. Gran.
Spring St. ....	Riverside Ave. ....	B. & M. R. R. ....	West	1013.85	87.70	.....
				1013.85	87.70	.....

**TOTALS FOR THE ENTIRE CITY**

WARD	Lin. Ft. St. Edgestone	Lin. Ft. Cir. Edgestone	Sq. Yds. Granolithic
1 .....	2,828.56	54.25	34.40
2 .....	1,517.12	107.04	37.37
3 .....	575.07	50.50	538.77
4 .....	3,166.89	71.65	.....
5 .....	538.92	.....	558.47
6 .....	2,179.05	66.60	456.73
7 .....	1,013.85	87.70	.....
	11,819.46	437.74	1,625.74



**STONE BOUNDS**

The following is the list of stone bounds set in 1920:

Street	No. of bounds
High Street at Johnson Avenue.....	3
High Street at Canal Street.....(centered)	1
Tyler Avenue .....	4
Maverick Street .....	2
Johnson Avenue .....	7
	<hr style="width: 10%; margin: 0 auto;"/>
Total .....	17

**BITUMINOUS MACADAM ROADWAY**

The following summary shows list of bituminous macadam roadway constructed in 1920:

**WARD 2—BY MUNICIPAL LABOR**

STREET	FROM	TO	Sq. Yds. Roadway
Maverick Street .....	Riverside Avenue .....	Ship Avenue .....	687

**WARD 6—BY MUNICIPAL LABOR**

STREET	FROM	TO	Sq. Yds. Roadway
Tyler Avenue .....	Johnson Avenue .....	Grove Street .....	3,270

**TOTALS**

	Sq. Yds. Roadway
By Municipal Labor.....	3957

### Permanent Paving

Permanent pavement, of the Hassam Block type, has been laid in Main Street, Medford Square and Salem Street.

Of this 8330 square yards were installed by the Simpson Bros. Corporation, and 386 square yards between the rails were installed by the Boston Elevated Railway Company in connection with the work of the relocation and rebuilding of the tracks.

The installation of this pavement necessitated the re-setting and pointing of most of the existing curb.

For this work surveys, plans and estimates were made and lines and grades for the construction were given; also final measurements of pavement laid were made and certificates for payment were given by this department.

### 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
Farragut Avenue	Central Avenue	Salem Street
Salem Street	Otis Street	Farragut Avenue

#### Ward Two

STREET	FROM	TO
Salem Street	Dudley Street	Otis Street

#### Ward Three

STREET	FROM	TO
Wolcott Street	High Street	Wyman Street

**Ward Four**

<b>STREET</b>	<b>FROM</b>	<b>TO</b>
Winthrop Street	Charnwood Road	Chester Avenue
Mason Street	Marshall Street	Martin Street
Orchard Street	Winthrop Street	Lyman Avenue
Orchard Street	Winthrop Street	Marshall Street
Main Street	Cradock Bridge	Royal Street

**Ward Five**

<b>STREET</b>	<b>FROM</b>	<b>TO</b>
Wareham Street	Main Street	Winchester Street
Morton Avenue	Medford Street	Winchester Street
Main and Medford St.	Marion Street	Morton Avenue

**Ward Six**

<b>STREET</b>	<b>FROM</b>	<b>TO</b>
Winthrop Street	Emery Street	Capen Street
Capen Street	Winthrop Street	Hillsdale Road
Adams Street	Boston Avenue	Somerville Line
Quincy Street	Capen Street	Somerville Line
North Street	Boston Avenue	Piggott Road
Winthrop Street	B. & M. R. R.	Boston Avenue
Bower Street	Harvard Avenue	Arlington Street
Johnson Avenue	High Street	Grove Street
Sagamore Avenue	High Street	Ravine Road

**Ward Seven**

<b>STREET</b>	<b>FROM</b>	<b>TO</b>
Middlesex Avenue	Fellsway	Second Street
Jackson Street	Fellsway	Riverside Avenue

**Betterment Assessments**

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

<b>STREET</b>	<b>WARD</b>	<b>FROM</b>	<b>TO</b>
Maverick Street	2	Riverside Avenue	Ship Avenue
Tyler Avenue	6	Johnson Avenue	Grove Street

### **Surface Drains**

Plans, estimates, surveys and stakings have been made for service drains as per Appendix A.

### **Assessors' Plans**

This department has now completed a new set of plans for use by the Assessing Department. These cover the entire city and are made mostly on sheets 11 in x 17 in. and scale of 1 in. equal 80 ft., with a few rolled plans for undeveloped portions of the city.

These will replace a set of plans which through changes for a period of over fifteen years had become difficult to decipher and the plans themselves were very badly worn; they are also of a more convenient size for use both on the street and in the office and by using blue prints in place of the originals, making new prints as required each year, should last indefinitely.

### **Oak Grove Cemetery**

Hillside Lawn has been surveyed, plan made, lots laid out, lawn staked and grades for construction given.

Work has been started on two maps to show Oak Grove Cemetery as a whole and when this is completed it will be possible to make a wall map for the use of the Cemetery Department and show in an up-to-date manner the layout of the Cemetery.

### **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, four thousand one hundred eighty-eight and nine tenths (4,188.9) feet of new mains, with the 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. In addition to the above, the following field work has been performed:

- Staking and grades for Bailey Street
- Staking and grades for Butler Street
- Staking and grades for College Avenue
- Staking and grades for Gaston Street
- Staking and grades for Jackson Street
- Staking and grades for Lee Street
- Staking and grades for Saunders Street
- Staking and grades for Westwood Road

A map covering the entire city and on a scale of 400 feet to the inch showing all water pipes, gates, hydrants and connections with the Metropolitan System, has been made so that it is now possible to see at a glance the location and distribution system of the city at any point in the city.

### Sewer Construction

Four thousand two hundred forty and twenty-five hundredths (4,240.25) 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.

A map covering all the trunk lines, sewers and connections with the Metropolitan Sewers on a scale of 400 feet to the inch, has been made, so that it is now possible to see at a glance the location and distribution system of the city at any point in the city.

The following table shows the total lengths and sizes of sewers on January 1, 1921:

5-inch vitrified pipe sewer.....	97.0
6-in. vitrified pipe sewer.....	14,539.5
8-inch vitrified pipe sewer.....	280,485.2
8-inch cast iron pipe sewer .....	215.0
10-inch vitrified pipe sewer.....	25,599.9
12-inch vitrified pipe sewer.....	13,532.2
15-inch vitrified pipe sewer.....	9,573.8
18-inch vitrified pipe sewer .....	6,968.2
20-inch vitrified pipe sewer.....	4,181.0
or 67.29 miles.	

For schedule of sewers constructed in 1920 see next page.

Owing to the refusal of the City of Malden to allow the City of Medford to enter the Malden System, it was found necessary, in order to provide for the sewerage of Murray Hill Road and adjacent territory, to make a topographical survey and study of this section of the city, in order to find a new outlet for the sewerage in this section and on the information thus obtained, a new system was designed going across private land from Murray Hill Road to Hillsboro Road, thus keeping the sewerage of Medford in this section entirely within our own control.

The original design as made in 1894 was with the expectation, that this section of the city would be drained through the Malden system.

### Schedule of Sewers Built in 1920

LOCATION	FROM	TO	Length In Ft.	Size In.	Chim- neys	Inlets	Character of Soil
Wolcott St. ....	Sta. 0 plus 0.....	Sta. 4 plus 48.65.....	418.65	8		20	Ledge & Gravel
Austin Rd. ....	Sta. 0 plus 00.....	Sta. 2 plus 83.5.....	283.5	8		10	Ledge & Gravel
Austin Rd. ....	Sta. 0 plus 0.0.....	Prescott St.....	156.0	8		9	Gravel
Prescott St. ....	Met. M. H.....	Sta. 0 plus 0.0.....	19.7	8		0	Gravel & Clay
Prescott St. ....	Sta. 1 plus 08.0.....	Sta. 4 plus 65.0.....	357.0	8		22	Gravel & Clay
College Ave. ....	Sta. 0 plus 0.....	Sta. 5 plus 57.3.....	557.3	8		32	Gravel
Murray Hill Rd. ....	Sta. 0 plus 0..... Hillsboro Rd.....	Sta. 8 plus 14.50..... Murray Hill Rd.....	814.50	8	2	46	Hardpan & Rock
Hall Rd. ....	Sta. 0 plus 0.....	Sta. 0 plus 42.7.....	42.7	8			Gravel
Fells Ave. ....	Sta. 9 plus 47.1.....	Sta. 11 plus 74.4.....	227.3	8		12	Hardpan & Rock
Fulton St. ....	Sta. 23 plus 29.4.....	Sta. 36 plus 63.0.....	1333.6	8		80	Gravel & Ledge
Total .....	.....	.....	4240.25			231	



### Office

The indexing of plans, survey 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 thirty-four (34) 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.

### 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.

Section No. 12 (renewal) covering the central portion lying between Hall Avenue and Border Road and Ash Street, to west of Summit Road is 75 per cent. completed.

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.

**Inventory of the Property of the Department**

Six thousand, seven hundred eight plans and profiles.  
Twenty-nine section maps.  
One hundred five survey and level books.  
One hundred eight inspector's books.  
Twenty-nine calculation books.  
Three transits and tripods.  
One Wye level and tripod.  
Two target rods.  
Two sight rods.  
Miscellaneous surveying tools.  
Three one-hundred foot tapes.  
One fifty-foot tape.  
Blue-print equipment.  
Five drawing tables.  
Five drawing stools.  
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.  
Two waste baskets.  
One quarter keg spikes.  
Five 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.

A conduit for the storm water in Two-Penny Brook.

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, Main and High Streets. 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 tract between High Street and the Winchester Line, Woburn Street and Winthrop Street.

Respectfully submitted,

FRED R. CHARNOCK,

City Engineer.

**APPENDIX A**  
**Schedule of Surface Drains Built in 1920**

LOCATION	FROM	TO	Lengths	Size	No. of Cate Basins	N. M. H.	Length of Connections
Boston Ave. ....	End of old drain.....	B. & M. R. R.....	47.5	24 in.			4 ft. x 5 ft. Baffle-box
Capen St. ....	Station 600 .....	Hillsdale Road .....	130.0	12 in.	9	1	190 ft. of 10 in.
College Ave. ....	Frederick Ave. ....	Am. Radio Re. Corp....	578.0	12 in.		4	
Harvard Ave. ....	At Parkway .....				2		22 ft. of 10 in.
Maynard St. ....	Opposite No. 14 .....				2		20 ft. of 10 in.
Ravine Road .....	Mystic Lake Sta..... 14 plus 35.....	Sta. 11 plus 85 ... ..	250	12 in.		1	
Tyler Ave. ....	At Angle .....				2		22 ft. of 10 in.
Wicklow Ave. ....	Central Ave. ....	Malden Street .....	75.	15 in.			
Wicklow Ave. ....	Central Ave. ....	Malden Street .....	403.	12 in.	2	1	20 ft. of 10 in.

**APPENDIX A—Continued**  
**Pipe Culverts**

LOCATION	FROM	TO	Lengths	Size	No. of Catch Basins	No. of M. H.	
Fulton Spring Road....	Cobb Street .....	Across Ful. Sp. Rd.....	95.5	12 in.	1		
Fulton Spring Road....	At Cranberry Brook....		121.4	48 in.			Corrugated Iron

# 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 1920 there were 273 interments in the Cemeteries of the city as follows:

Oak Grove Cemetery.....	271
Cross Street Cemetery.....	1
These interments were made:	
In private lots.....	106
In single graves.....	109
In Grand Army lot.....	2
In World War lot.....	5
In Spanish War lot.....	1
In free graves.....	30
	<hr/>
	273

Included in the above interments in private lots are the ashes of four cremations.

There were eight transfers within Oak Grove Cemetery.

There were 49 bodies placed in the receiving tomb during the year, 45 of which were buried in Oak Grove Cemetery, and four removed to other cemeteries for burial.

**Sale of Lots and Graves**

Lots sold during the year.....	37
Graves (single) sold during the year.....	104

**Perpetual Care**

Amount added to the Perpetual Care Fund in 1920.....	\$6,265 00
Total amount of Perpetual Care Fund in the hands of the Sinking Fund Commission- ers .....	56,831 74

**Receipts**

Amount received from sale of lots.....	\$12,845 00
Amount received from sale of graves.....	3,640 00
Amount received from care of plants, inter- ment, etc.....	3,289 11
Amount received from Perpetual Care Fund..	1,925 48
	<hr/>
	\$21,699 59
Amount received from appropriations.....	\$4,000 00

**Disbursements**

Amount paid for labor as per pay rolls, inci- dentals and supplies.....	\$21,328 00
--	-------------

**Salem and Cross Street Cemeteries**

Amount received from appropriation.....	\$200 00
Amount paid for labor.....	196 24

**New Ground**

We will need \$500.00 for bound stone and the surveying of the new areas which were graded last season. This will include seeding and final preparation of the ground



for burials. We have reached the limit in our single grave section and must develop more land as soon as frost is out of ground. We have consulted the city engineer and have arrived at the minimum of \$6,000.00 for this work. In grading this section we will gain an additional 1100 graves, and about 300 four and five-grave lots.

### **Fertilizer**

We must have \$800.00 for fertilizer for the purpose of caring for 24 acres. For the past few years it has been impossible to secure proper fertilizer for economic reasons and lack of funds, and as a consequence some of our lawns are in bad condition and will require reseeding, and a continued lack of fertilizer and cutting of grass will result in the depletion of other lawns.

### **Labor**

Our present pay roll averages about \$250.00 per week and during the summer season from April 1st to October 1st we will need at least six men in addition to our present force to do the work.

### **General Expenses**

In our amount recommend we include \$2,500.00 for tools, grain, coal, horse shoeing, tool sharpening, shrubs, miscellaneous supplies and incidentals.

We have carefully estimated our necessities for the ensuing year, and the amounts required total to \$25,000.00, which after deducting the sum received as income from the Perpetual Care Fund and the estimated receipts from sales of lots and miscellaneous sources, we will need at least \$12,000.00 and we therefore respectfully request that your

Honor recommend the sum of \$12,000.00 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 at Cross Street Cemetery....	50 00
	<hr/>
	\$250 00

**Appropriation**

The Trustees respectfully request an appropriation of \$12,250.00 for the ensuing year as follows:

Bound stone and surveying.....	\$ 500 00
New land, single grave section.....	6,000 00
Fertilizer .....	800 00
Pay roll estimated.....	16,000 00
General expenses.....	2,500 00

Total .....	\$25,800 00
Received from Perpetual Care and estimated receipts .....	\$13,800 00

Total .....	\$12,000 00
Care of Salem and Cross Street Cemeteries, including fence at Cross Street Cemetery..	\$250 00

Balance .....	\$12,250 00
---------------	-------------

Respectfully submitted,

ELLERY A. ARMSTRONG,  
F. W. RAUSKOLB,

Trustees of Cemeteries.

# Report of the City Solicitor

---

January 26, 1921.

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

Dear Sir:

I herewith submit the report of the City Solicitor's Department for the year ending December 31, 1920.

## Cases Disposed of

It is gratifying to state that during the period covered by this report there have been no verdicts or judgments obtained against the City.

Twelve cases involving the City have been 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 due to alleged defective condition of public ways and property; the remainder were actions of alleged breach of contract and claims for damages incident to the taking of land for various public purposes under the right of eminent-domain.

Three cases in which the City was plaintiff or claimant have been satisfactorily settled and the money turned into the city treasury.

**Judgment in Favor of the City in Re. U. S. Drainage  
and Irrigation Co. v. City of Medford**

This case, of much importance to the City's interests, which has been pending in the United States District Court for the District of Massachusetts for nearly three years, has finally been decided in favor of the City, the Court on November 18, 1920, handing down its decision that the plaintiff's bill of complaint be dismissed. From this decision the plaintiff has taken an appeal to the United States Circuit Court of Appeals.

The suit was instituted in the attempt to hold the City liable as trustee for the benefit of the plaintiff and to reach and apply to its use the sum of approximately \$8,774.99 raised by special assessment in order to abate the "mosquito nuisance" so called, in the years 1913-14.

In the successful defense of this action covering a period of over two years, four lengthy hearings and arguments were heard and several voluminous and exhaustive briefs were prepared and filed as well as incidental pleadings.

### **Opinions**

The requests for opinions from the various departments of the City have, as usual, been numerous, involving many and varied branches of the law, but each request has been promptly complied with and every question given careful examination, investigation and study before the opinion thereon was rendered.

Twenty-four written opinions have been prepared and rendered to the Board of Aldermen and heads of departments, the topics of which it is unnecessary to enumerate here.

In addition I have likewise furnished many oral opinions on request of the various departments and committees.

### **Legal Documents**

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

### **Legislative Hearings**

I have 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 the various committees of the Board of Aldermen I have attended many of their meetings and hearings throughout the year, and have given legal advice on various pending matters then under consideration.

I have likewise appeared at meetings of various Commissions, Boards, and other City Departments.

### **Recommendations**

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 the expenses incidental to the duties thereof, such as Court costs and fees, copies and certificates of records, printing of briefs and pleadings, stenographic work, etc.

In conclusion I desire to thank Your Honor, the heads of departments and the various members of the City Government for their co-operation and courtesy.

Respectfully submitted,

A. CHESLEY YORK,  
City Solicitor.

# Report of the Sealer of Weights and Measures

Medford, Mass., January 1, 1921.

Honorab! Benjamin F. Haines, Mayor,  
Medford, Massachusetts.

Dear Sir:

I have the honor to submit to you my seventeenth annual report of the Weights and Measures Department, of the City of Medford, for the year ending December 31, 1920.

	Sealed	Adjusted	Non- Sealed	Con- demned
<b>Scales</b>				
Platform over 5,000 lbs capacity .....	11		1	
Platform under 5,000 lbs capacity .....	136	4	2	3
Counters .....	180	3	2	
Spring balances .....	170	3	1	2
Computing .....	165	9	12	3
Slot personal .....	18			
Prescription .....	16			
<b>Weights</b>				
Avoirdupois .....	1223	8		3
Apothecary .....	223	1		1
Metric .....	162			
Troy .....	8			
<b>Capacity Measures</b>				
Dry Measures .....	13			1
Liquid Measures .....	142	6		3
Ice Cream Cans .....	887			75
Yard Sticks .....	27			8
<b>Automatic</b>				
<b>Liquid Measuring Devices</b>				
Gasolene .....	149	12		
Molasses .....	4			1
<b>Totals .....</b>	<b>3534</b>	<b>46</b>	<b>18</b>	<b>100</b>

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

Commodity	Number Correct		Incorrect	
	Tested		Under	Over
Charcoal and Coke .....	41	41		
Coal (in wagons) .....	10	6	1	3
Coal (in paper bags) .....	32	17		15
Ice .....	52	4	20	28
Flour .....	48	35	11	2
Butter .....	20	19		1
Dry Commodities .....	120	111	13	17
Bread .....	89	26	37	26
Confectionery .....	4	4		
Wood .....	5	5		
Apple Barrels .....	2	2		
Sweet Potatoes .....	2	2		
Wood Baskets .....	6	6		
Meats and Provisions .....	64	51	13	
	<u>495</u>	<u>329</u>	<u>85</u>	<u>32</u>

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

**Inspections Made in Stores and Streets**

Stores .....	287
Hawkers' and Peddlers' .....	61
Hawkers' and Peddlers' Licenses .....	61
Milk Dealers' Wagons.....	21
Coal Certificates .....	118
Junk Dealers' Scales .....	40
Ice Scales .....	50
Gasolene Devices .....	149
<b>Total .....</b>	<b>787</b>
Amount Appropriated .....	\$400.00
Amount Expended .....	400.00

There are twelve persons licensed to collect junk in this city, and one dealer in same material paying to the city in fees three hundred (\$300.00) dollars, coming under the supervision of the Sealer.

The scales used by such collectors have been frequently

inspected, and are in good condition. The collectors bring their scales to the office to have them tested and sealed. If found correct they are stamped so that the public may see that they have been sealed, as required by law, once a year or more.

Also 18 licenses at twenty-five (\$25.00) dollars each for the sale of fruit, fish and vegetables from vehicles.

There will be found other peddlers under this head to some extent exercising their vocation with licenses issued by the Commonwealth, at a charge of fifty (\$50.00) dollars each, giving them the privilege of vending their wares in any part of the State for which the municipalities receive no direct pecuniary benefit.

The testing of gasolene pumps both on streets and in garages has been carried out with thoroughness and the pumps, upon the whole, have proved in good condition.

Weighing of coal at yards, stores, and in transit has received particular attention and no wrong dealing has been in evidence.

Much attention has been given to the following up and verifying the weights of ice delivered at houses. Many complaints of short weight have been received at this office, all of which, when possible, have received attention and in several cases have been found justified, but not susceptible of legal proof.

Upon the initiative of the sealer following up, with a witness, of deliveries of ice when made, where repeated cases of short weight were found, five drivers of ice wagons were summoned into court at different times, four of which pleading guilty, a substantial fine was imposed. One driver on a technicality was acquitted.

The importance of weights and measures inspection is becoming more generally recognized, the work expanding rapidly from year to year. The laws have been so extended as to apply either directly or indirectly to about every known commodity; their proper enforcement results in the



practice of honesty and accuracy in the sale of merchandise, which is of moral as well as financial value to the community. The rising cost in the necessities of life has brought the public in closer touch with the activities of the Department and has led to new problems, the solution of which has been of distinct value to everyone.

Beside the testing and sealing which takes the greater part of the year, there has been inaugurated a system of re-inspections at irregular intervals of apparatus used by the merchants, re-weighing of weighed-out packages such as potatoes, beans, peas, coffee, sugar, butter, lard, etc., and inspection of berry boxes in their season.

The revenue derived from sealing and adjusting in no sense can be used as a measure of the department's efficiency. Should the effort annually made and supported by some powerful interests result in legislation that will abolish the fee system, the cost of maintaining the department entirely from the tax levy would be warranted because of the protection afforded to both seller and purchaser.

That the use of incorrect measures is being rapidly decreased by the work of the department there is no doubt. While the number of measures and other articles inspected this year is greater than last year, the per cent of scales, measures, etc., that were found incorrect has been decreased materially.

It has been the policy of the sealer to bring about a proper respect for the weights and measures laws, without resorting to extreme measures when possible so to act. He welcomes all complaints for violation of the statutes and, while treating them confidentially, thoroughly investigates such claims and takes such action as the circumstances may dictate.

While in favor of prosecution in cases of inexcusable carelessness, as well as fraud, he does not believe in drawing the lines so closely as to include the cases of technical

violation in which neither carelessness nor fraud is shown. The intent of the seller and the conditions under which the violations were made should be first passed upon.

Labor and expense in this department increase yearly with little prospect of any reduction in the coming months though economy to the utmost be practiced.

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

Respectfully submitted,

WINSLOW JOYCE,

Sealer of Weights and Measures.

# Report of the Board of Assessors

---

January 1, 1921

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

Dear Sir:

We, the Assessors of Medford, herewith submit our Annual Report for the year ending December thirty-first, 1920.

Warrants have been received for the assessment of taxes in the City of Medford for the year 1920 as follows:

A State Warrant for the City of Medford's part of a State Tax of \$14,000,000. as apportioned by Chapter 612 of the Acts of 1920	\$99,120.00
A County Warrant for the Tax of Middlesex County for County Purposes	43,430.12
A State Warrant for Metropolitan Sewer Tax Chapter 439, Acts of 1889	34,344.10
A State Warrant for the Metropolitan Park and Boulevard Tax	23,474.05
A State Warrant for the Charles River Basin Tax	3,905.85
A State Warrant for cost of reconstructing and maintenance of Wellington Bridge	5,121.02
A State Warrant for Fire Prevention Tax	478.61
A State Warrant for State Highway Tax	384.28
A State Tax for Eastern Massachusetts Street Railway Tax	1,072.65
A Special State Tax for War Bonus	4,672.80
A State Warrant for Auditing Municipal Accounts Tax	2,786.59
A City Warrant for Tax of City of Medford	

for City Purposes.....	\$1,100,526.33
Overlay .....	13,612.72
	<hr/>
	\$1,332,929.12

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 \$29.80 per \$1000. and the same was provided for as follows:

From 10,113 Polls .....	\$20,226.00
From Real Estate at \$29.80 per \$1000.....	1,084,970.32
From Personal Estate at \$29.80 per \$1000....	81,993.21
From Credits	
Income Tax from State.....	58,113.04
School Fund under Chapter 363, General Acts 1919 .....	39,815.40
Public Service Corporation Tax.....	7,890.69
Business Corporation Tax .....	9,111.78
National Bank Tax .....	2,934.93
Estimated Receipts .....	17,527.19
Available Cash .....	10,346.56
	<hr/>
	\$1,332,929.12

Number of Polls and Valuation of the City by Wards, April 1, 1920:

	Number of Polls	Personal Estate	Real Estate	
			Buildings	Land
Ward 1 ....	1,631	\$168,850	\$3,365,050	\$1,214,650
Ward 2 ....	1,483	231,850	2,906,750	1,432,650
Ward 3 ....	1,198	1,335,600	4,727,350	3,463,650
Ward 4-1 ..	889	96,550	2,020,900	871,400
Ward 4-2 ..	792	45,200	1,411,650	504,900
Ward 5-1 ..	1,100	109,600	2,810,650	767,850
Ward 5-2 ..	1,538	95,700	2,807,100	857,950
Ward 6-1 ..	1,405	323,800	3,688,400	1,927,700
Ward 6-2 ..	710	118,800	2,316,200	668,450
Ward 7 ....	838	225,500	2,065,600	1,128,950
	<hr/>	<hr/>	<hr/>	<hr/>
Totals .....	11,584	\$2,751,450	\$28,119,650	\$12,838,150

Total Assessed Polls .....	11,584	
Exempted Polls:		
Civil War Veterans.....	51	
World War Soldiers....	1411	
Unable to pay .....	9	
	<hr/>	1,471
Taxable Polls .....	10,113	
Total Valuation April 1, 1920.....		\$43,709,250
Less City and Exempted Property.....		4,549,400
		<hr/>
Total Taxable Valuation April 1, 1920.....		\$39,159,850

Rate per thousand \$29.80.

\$30,339.00 of the amount assessed on Polls 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.

**Amount of Taxes Committed to the Tax Collector  
for the year 1920**

Polls .....	\$20,226.00
Personal Estate .....	81,993.21
Real Estate .....	1,084,970.32
Sewer Apportionments .....	753.08
Sewer Apportionments Interest.....	131.73
Betterment Apportionments .....	2,445.14
Betterment Apportionments Interest.....	493.64
Sidewalk Apportionments .....	3,093.05
Sidewalk Apportionments Interest.....	625.76
Sewer House Connection Assessments .....	1,311.89
Sewer House Connection Assessments Interest	49.96
Sewer House Connection Apportionments....	1,439.64
Sewer House Connection Apportionments Interest .....	293.69
	<hr/>
Total amount committed to Tax Collector in original Warrants and added to Taxes of 1920 .....	\$1,197,827.11

Supplementary Warrants:

Poll Taxes .....	\$415.00	
Personal Taxes .....	502.13	
Real Estate Taxes .....	22.35	
		<u>939.48</u>

Total amount of Warrants committed to Tax  
Collector during year 1920..... \$1,198,766.59

Value of Exempted Property

Literary Institutions .....	\$133,150.00
Scientific Institutions .....	761,400.00
Benevolent Institutions .....	30,750.00
Houses of Religious Worship..	667,750.00
Commonwealth of Massachu- setts .....	39,250.00
Veterans of the Civil War....	38,400.00
City of Medford .....	2,878,700.00

Total amount of Exempted  
Property ..... \$4,549,400.00

Number of Residents assessed on Property:

Individuals .....	5,185
All others (firms, etc).....	1,273

Total ..... 6,458

Number of Non-residents assessed on Property:

Individuals .....	1,391
All others .....	309

Total ..... 1,700

Total number of persons assessed on property  
and polls ..... 8,158

Number of persons assessed for poll tax only ..... 8,560

Total number of persons assessed on property and polls .....	16,718
Number of Militia (between 18 and 45 years of age) .....	8,100
Number of Taxable Polls.....	10,113
Tax on each Poll .....	\$5.00
Number of Horses .....	214
Number of Cows .....	176
Number of Neat Cattle other than Cows....	2
Number of Automobiles.....	1,913
Number of Motor Boats.....	72
Number of Dwelling Houses.....	6,665
Population as found by the Assessors, April 1, 1920 .....	40,070

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## APPORTIONMENTS

### Sewers

January 1, 1921 there remain on the books of the Assessor, Sewer Apportionments to be added to taxes of future years amounting to .....	\$784.24
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### House Connections

January 1, 1921 there remain on the books of the Assessors, Sewer House Connection Apportionments to be added to taxes of future years amounting to.....	\$4,673.48
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### Sidewalks

January 1, 1921 there remain on the books of the Assessors, Sidewalk Apportionments to be added to taxes of future years amounting to.....	\$6,836.50
--	------------

**Betterments**

January 1, 1921 there remain on the books of  
 the Assessors, Betterment Apportion-  
 ments to be added to taxes of future  
 years amounting to ..... \$5,071.84

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**ABATEMENTS**

**Polls, Personal and Real Estate**

Taxes of 1917.....	\$4,099.28
Taxes of 1918.....	2,104.83
Taxes of 1919.....	2,192.81
Taxes of 1920 .....	8,333.67

**Street Watering**

Assessments of 1919 .....	\$30.05
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Respectfully submitted,

EDWARD S. RANDALL,

JOHN A. RICKER,

WALDO S. PLASTRIDGE,

Board of Assessors of

City of Medford.



# Report of the Building Commissioner

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Medford, Mass.,  
January 18, 1921.

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

Dear Sir:

As required by the City Charter, I submit the annual report for the year ending December 31, 1920.

The whole number of applications for building permits has been three hundred and seventy-five (375). The estimated cost of this work was one million, four hundred and sixty-two thousand, five hundred and twenty-four dollars (\$1,462,524.00).

Of the permits issued:

- 6 were for renewals of last year's applications.
- 90 were for 1-family dwellings.
- 11 were for 2-family dwellings.
- 173 were for private garages.
- 3 were for public garages.
- 2 were for repairs after fires.
- 4 were for large manufacturing buildings.
- 5 were for small manufacturing buildings.
- 1 was for a block of stores.
- 2 were for small blocks of stores.
- 1 was for an electric sub-station.
- 1 was for a church.
- 1 was for an addition to church.
- 1 was for a school-house.
- 2 were for for signs and billboards.
- 72 were for additions and general repairs.

## Permits by Wards

Ward 1.....	40	permits
Ward 2.....	62	“
Ward 3.....	110	“
Ward 4.....	38	“
Ward 5.....	38	“
Ward 6.....	47	“
Ward 7.....	40	“
<hr/>		
Total .....	375	permits

## Permits by the Months

January .....	6
February .....	5
March .....	19
April .....	56
May .....	54
June .....	39
July .....	47
August .....	41
September .....	28
October .....	42
November .....	22
December .....	16
<hr/>	
Total .....	375 permits

## Inspection

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 section 23 and 33 of Chapter 104 of the revised Laws of 1890. Also during the year I have inspected twelve freight and one passenger elevator and sent reports on the same to the Chief of the District Police.

**Recommendations**

I would recommend the sum of four hundred and twenty-five dollars (\$425.00) be appropriated for general expenses for the coming year.

Yours respectfully,

FRANK B. BLODGETT,  
Commissioner of Buildings.

# Report of the Purchasing Agent

---

April 20, 1921.

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, 1920.

The system selected for use, in the ordering of materials for the various departments, has proven very satisfactory and the departments have aided greatly by co-operation.

Our system is as follows:—

When supplies are needed in the different departments a requisition for the materials needed is forwarded to this department from which an order in triplicate form is written. Prices are obtained and the order awarded to the lowest bidder.

The wax sheet, a copy of the original order, is sent to the head of the department who ordered the material, and, who upon receipt of the goods, signs and returns said sheet to this department. It is from this wax sheet that all bills are checked and posted. All bills are approved as to the price and the quantity.

Many of the requisitions received call for "immediate delivery—rush." Greater efficiency might be obtained if the departments would anticipate their wants, so that there would be sufficient time to obtain competitive prices, which is most desirable in securing the best results.

Whenever it was possible, I have purchased in large quantities. The past year, as well as the previous year, has been one of hardships; it has not been a question of where to get the best material at the cheapest price, but, in some instances, where that material can be purchased at any price.

Three thousand two hundred seventy-eight requisitions have been received from the several departments, and orders for the same have been given. An account of every transaction has been kept, and is on file in this office.

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

Respectfully submitted,

WILLIAM H. CASEY,  
Purchasing Agent.

# Report of the City Physician

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Dec. 31, 1920.

Hon. Benjamin F. Haines,  
Mayor of Medford

Dear Sir:

The report of the City Physician for the year ending Dec. 31, 1920, is herewith submitted:

Number of sick firemen examined.....	17
Number of reports made to Chief of Fire Department	17
Number of sick policemen examined.....	42
Number of reports made to Chief of Police.....	42
Number of calls to the Police Station.....	34
World War Veterans examined for State Relief.....	5
Reports of War Veterans sent to the City Clerk.....	5
Number of vaccinations.....	2
Number of sick calls to City Home.....	79
Number of house calls .....	90
Number of office calls.....	32
Number of prescriptions.....	175
Examinations of claimants against the City.....	1
Visits to local hospital.....	51

Very respectfully,

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

# Report of the Inspector of Animals

---

Medford, Mass., Jan. 1, 1921.

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

Dear Sir :

As Inspector of Animals for the City of Medford I herewith submit my report for the year ending December 31, 1920.

At the annual Spring inspection of neat cattle and premises where they are kept I found 194 head of cattle on 33 premises. Of this there were only 10 premises on which more than five head were kept. With the exception of three places, the premises were found to be well lighted, well ventilated and well drained. Considering the severe weather which had been experienced during the winter which had just passed, the excellent conditions found were remarkable. Eighty-one head of swine were inspected on 15 premises and two goats on one premise.

No tuberculosis was found during the year.

Three horses were given the ophthalmic and complement fixation tests for glanders but were released as free from that disease.

During the year 19 head of swine were given the preventive inoculation against hog cholera and 38 head given the preventive inoculation against hemorrhagic septiceamia, by veterinarians from the State Department of Conservation, Division of Animal Industry.

A large number of horses were received at Combination Park for racing purposes from the states of New York, New Jersey, Rhode Island and Connecticut on permits issued by the State Division of Animal Industry.

Respectfully submitted,

HARRIE W. PEIRCE,  
Inspector of Animals.





# Government of the City of Medford

(List compiled May 25th, 1921)

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## 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, WILLIAM J. DALY

Daniel F. Leahy	Ward 1	41 Garfield Ave.
George H. Lewis	Ward 1	315 Malden St.
Dennis F. Dwyer	Ward 1	228 Spring St.
Edward H. Larkin	Ward 2	209 Grant Avenue
William F. Wiltshire	Ward 2	112 Dudley Street
Louis J. Dodsworth	Ward 2	65 Dudley Street
William J. Daly	Ward 3	83 Terrace Rd.
Wade S. Hervey	Ward 3	16 Hillside Ave.
Henry P. Van De Bogert, Jr.	Ward 3	60 Woburn St.
Harry M. MacNear	Ward 4	28 Orchard St.
Michael E. O'Brien	Ward 4	11 Touro Ave.
Percy W. Richardson	Ward 4	13 Florence St.
James A. Flaherty	Ward 5	57 Warner St.
Edward G. Daly	Ward 5	20 Bowdoin St.
George W. Taintor	Ward 5	15 William St.
Lewis H. Peters	Ward 6	10 Usher Rd.
Jos. W. Wellington	Ward 6	57 Playstead Rd.
Harvey C. Voorhees	Ward 6	293 Boston Ave.
Ira H. J. Ellsworth	Ward 7	29 Second St.
Burton F. Dodge	Ward 7	31 Wellington Rd.
Chas. A. Callahan	Ward 7	87 Third St.

## 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 St.

## 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.....A. Chesley York  
 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 H. Peckham....." " 1922  
 Edward W. Barrett....." " 1923

## Members from Wards

Ward 1. Ella T. Hart.....	Term expires	1922
Ward 2. Christopher W. Conway.....	" "	1922
Ward 3. James G. Harris.....	" "	1924
Ward 4. Clara T. Guild.....	" "	1924
Ward 5. George S. T. Fuller.....	" "	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	1922
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. Clafin .....	" "	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

# Amendments to Revised Ordinances

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## AMENDMENT TO REVISED ORDINANCES

### CHAPTER XLII

#### ENTITLED

#### “RATE OF TAXATION”

#### BE IT ORDAINED BY THE BOARD OF ALDERMEN OF THE CITY OF MEDFORD

Section 1 of Chapter XLII of the Revised Ordinances of the City of Medford, Revision of 1919, entitled “Rate of Taxation,” as adopted by the Board of Aldermen in the year 1919, establishing a municipal tax limit in the City of Medford of \$17 be and the same hereby is amended by striking out said section and inserting in place thereof the following:

Section 1—The tax limit for municipal purposes in the City of Medford is hereby abolished.

Section 2 of said Chapter XLII be and the same hereby is amended by inserting after the words, “current year” in the second line thereof the words “nineteen hundred and twenty,” so as to read as follows:

Section 2—This ordinance shall apply to taxes assessed during the current year, nineteen hundred and twenty, and for each year thereafter, until this ordinance is further amended in accordance with the provisions of Section 19 of Chapter 719 of the Acts of 1913, and all Acts in amendment thereof and in addition thereto.

In Board of Aldermen, April 20, 1920.

Passed to be Ordained.

CUTHBERT H. LOWELL, President Pro-tem.

Approved,

JOHN J. MULKERIN, Acting Mayor

Attest:

CHARLES A. WINSLOW, City Clerk.

## AMENDMENT TO REVISED ORDINANCES

## CHAPTER IV

ENTITLED

"SALARIES"

BE IT ORDAINED BY THE BOARD OF ALDERMEN  
OF THE  
CITY OF MEDFORD

Section 4 of Chapter IV of the Revised Ordinances of the City of Medford, Revision of 1919, entitled "Salaries," be amended by striking out the entire section and inserting in place thereof the following:

Section 4. The compensation to be paid the several officers mentioned in this section, for each municipal year, shall be fixed at the annual rates herein set forth, and shall be payable in equal monthly installments, except as otherwise provided in Section 4 of Chapter XIX of the Revised Ordinances, from the appropriation for the fire department, provided that men permanently employed be paid weekly.

Chief Engineer of Fire Department, twenty-five hundred dollars.

Deputy Chief Engineer, twenty-two hundred and fifty dollars.

Captains, each, two thousand and fifty dollars.

Lieutenants, each, nineteen hundred and fifty dollars.

Permanent Firemen assigned to duty of Mechanician, two thousand and fifty dollars.



## AMENDMENTS TO REVISED ORDINANCES

Permanent members of Fire Department, each, first year, seventeen hundred and twenty-five dollars.

Permanent members of Fire Department, each, second year, and each year thereafter, eighteen hundred and twenty-five dollars.

Call members of Fire Department, each, one hundred and seventy-five dollars.

In Board of Aldermen, June 15, 1920.

Passed to be Ordained.

JOHN J. MULKERIN, President.

Approved, July 1st, 1920,

BENJAMIN F. HAINES, Mayor.

Attest:

CHARLES A. WINSLOW, City Clerk.

## AMENDMENT TO REVISED ORDINANCES

## CHAPTER IV

## ENTITLED

## "SALARIES"

BE IT ORDAINED BY THE BOARD OF ALDERMEN  
OF THE

## CITY OF MEDFORD

Section 2 of Chapter IV of the Revised Ordinances of the City of Medford, Revision of 1919, entitled "Salaries," be amended as follows:

In line eight, after the words "Chief of Police," strike out the words, "twenty-three hundred dollars" and insert in place thereof, the words "twenty-five hundred dollars."

In line nine, after the words, "Lieutenants of Police, each," strike out the words, "two thousand dollars," and insert in place thereof, the words "twenty-two hundred dollars."

In line ten, after the words, "Sergeants of Police, each," strike out the words, "eighteen hundred and fifty dollars," and insert in place thereof, the words, "two thousand dollars."

In line twelve, after the words, "Patrolmen, each, first year," strike out the words, "sixteen hundred dollars," and insert in place thereof, the words "seventeen hundred and twenty-five dollars."

In line thirteen, after the words, "Patrolmen, each, second year, and each year thereafter," strike out the words, "seventeen hundred dollars," and insert in place thereof, the words "eighteen hundred and twenty-five dollars."

In Board of Aldermen, June 15, 1920.

Passed to be Ordained.

JOHN J. MULKERIN, President.

Approved, July 1st, 1920,

BENJAMIN F. HAINES, Mayor.

Attest:

CHARLES A. WINSLOW, City Clerk.

## AMENDMENT TO REVISED ORDINANCES

## CHAPTER XXIV

ENTITLED

"HIGHWAYS"

BE IT ORDAINED BY THE BOARD OF ALDERMEN  
OF THE  
CITY OF MEDFORD

Section 24 of Part IV of Chapter XXIV of the Revised Ordinances of the City of Medford entitled "Highways" be and hereby is amended by the addition at the end thereof of the following sentences:

"There shall not be deposited in any open dumps any waste material which in the opinion of the Board of Health may become a menace to health or property. No public dump shall be maintained unless and until the permission of the Board of Health has been obtained therefor under such regulations as the said Board of Health may prescribe."

In Board of Aldermen

November 16, 1920.

Passed to be Ordained

JOHN J. MULKERIN, President.

Approved.

December 4, 1920.

BENJAMIN F. HAINES, Mayor.

Attest:

CHARLES A. WINSLOW, City Clerk.

## AMENDMENT TO REVISED ORDINANCES OF 1919

BE IT ORDAINED BY THE BOARD OF ALDERMEN  
OF THE  
CITY OF MEDFORD

That the Revised Ordinances be and hereby are amended  
by the addition of the following chapter to be known as

## CHAPTER XLV

## TRAFFIC RULES

## OF THE

## CITY OF MEDFORD

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DEFINITIONS

Section 1. The word "vehicle" herein used shall include horses hitched to vehicles, horses ridden or motor vehicles of all kinds, bicycles, tricycles and everything on wheels except street cars and light carriages for the conveyance of children.

Section 2. The word "horse" herein used includes all domestic animals.

Section 3. The word "driver" herein used shall include the rider or driver of a horse, the rider of wheels, the operator of a motor vehicle and the rider or person in control of any other vehicle.

## VEHICLES IN MOTION

Section 4. A vehicle shall keep to the right and as near the right curb as possible, except when passing a vehicle ahead of it.

Section 5. A vehicle meeting another vehicle shall pass on the right.

Section 6. A vehicle overtaking another vehicle shall keep to the left in passing, but shall not leave the line on the right unless there is a clear way of at least one hundred feet in advance on the left.

Section 7. A vehicle in turning to the right into another street shall keep as near to the right curb as possible.

Section 8. A vehicle in turning to the left into another street shall pass to the right of and beyond the center of the intersecting street before turning.

Section 9. A vehicle crossing from one side of a street to another shall do so turning to the left, so as to head in the general direction of traffic on that side of the street.

Section 10. Slow moving vehicles shall keep as close as possible to the curb on the right, so as to allow faster moving vehicles free passage on the left.

Section 11. No person in charge of a vehicle shall allow the same to come within ten feet of any vehicle in front of him when approaching and passing over a crossing where a pedestrian is about to cross.

Section 12. No person shall drive, guide or have the care of two or more horses harnessed respectively to different vehicles.

Section 13. The driver or person in charge of any vehicle, before turning the corner of any street or turning out or starting from or stopping at the curb line of any street, shall first see that there is sufficient space free from

other vehicles, so that such turn, start or stop may be made safely, and shall then give a plainly visible or audible signal.

Section 14. No vehicle shall pass a surface car while it is receiving or discharging passengers, on the side of such car where it is so receiving or discharging them.

Section 15. The driver of a vehicle shall at all times obey the signals of a police officer or "silent policeman" so-called, and shall comply with the warnings on sign boards.

Section 16. The muffler of a motor vehicle shall not be cut out while on any street.

## RIGHT OF WAY

Section 17. Fire Department, Police or United States mail vehicles, ambulances, military troops or forces, emergency repair vehicles, and funeral processions, in the order herein named, shall have the right of way in any street, and through any other procession.

## SIGNALS

Section 18. Every driver of a vehicle in slowing up or stopping shall give a signal to those behind by raising a hand or whip vertically.

Section 19. In turning while in motion, or in starting to turn from a standstill, the driver of a vehicle about to be turned shall give a signal by raising hand or whip, indicating the direction in which turn is to be made.

Section 20. Before backing, ample warning shall be given by voice or uplifted hand and while backing the driver must exercise constant vigilance not to injure those behind.

Section 21. Drivers of all kinds of motor vehicles, in approaching a crossing or rounding a corner or curve of any street, shall sound their signals in such a manner as to warn other vehicles and any pedestrians of their approach.

Section 22. Drivers of vehicles or street cars shall stop the same at all times on a signal from a police officer, and shall not pass a traffic officer until signalled by him to proceed.

### SPEED OF VEHICLES

Section 23. No vehicle shall proceed at a greater rate of speed than the law may allow, nor be driven at any time with a reckless or negligent disregard of the conditions then existing or the rights of others.

Section 24. No person in charge of a truck or dray to which an animal is attached shall drive the same faster than a moderate foot pace.

Section 25. In approaching or traversing a crossing or an intersection of streets, or in going around a corner or curve in a street or way, no vehicle shall be driven at a rate of speed greater than is reasonable and proper, having regard to the traffic at the time and place and the use of the way and the safety of the public, nor in any event exceeding 10 miles an hour.

### STOPPING, STANDING AND TURNING

Section 26. No vehicle shall stop in the business section with its left side to the curb line.

Section 27. No vehicle shall remain backed up to the curb line, except when actually loading or unloading. When a horse drawn vehicle is so placed, the horse or horses shall be turned so as to stand as nearly parallel with the sidewalk as possible and headed in the general direction of travel for the side of the street where it is standing.

Section 28. No vehicles shall stop except close to the curb line, unless in an emergency or to allow a vehicle or pedestrian to cross its path.

Section 29. No vehicle or street car shall stop or stand within any street intersection, nor within ten feet from a street corner. No motor vehicle used to carry passengers, baggage or goods for hire, shall stop or stand to take or leave passengers, or to load or unload, within twenty-five feet from any street intersection, nor within ten feet from a city fire hydrant.

Section 30. No vehicle or street car shall stop in such manner as to obstruct any street or crossing for the purpose of taking or leaving a passenger, or for loading or unloading freight, or for any other purpose, except in case of accident, or when directed to do so by a police officer, nor on any foot-way or flagstones or stepping-stones or other nature across any street.

Section 31. No person in charge of a vehicle in any street shall stop the same abreast of another vehicle length-wise of such street, except in case of accident or emergency.

Section 32. No person in charge of a vehicle shall place the same in the street so as to prevent or obstruct the passing of other vehicles or surface cars for more than reasonable time, not exceeding five minutes.

Section 33. No person shall tie a horse or other animal to any tree or vine or shrub in any street.

Section 34. No person in charge of a vehicle or street car in any street shall refuse or neglect to stop or place the same as provided in any law ordinance, when required by a police officer, or in such other manner or place as he may require in case of emergency.



### GENERAL PROVISIONS

Section 35. For the purpose of awaiting their passengers, drivers of vehicles shall stop or stand the same on side streets whenever possible in a single line close to the curb line, and not on any main thoroughfare unless absolutely necessary.

Section 36. No person shall steal a ride on any vehicle.

Section 37. No vehicle shall be allowed to stand in any portion of street which the Board of Aldermen may designate as not to be used for parking.

Section 38. No vehicle with a load of iron or other material that by striking together or otherwise causes great or disturbing noise shall be driven on any street.

Section 39. No vehicle shall be left standing in any public street in the business section of the city for more than thirty minutes, except vehicles for hire and those of physicians in actual attendance upon the sick.

### PARKING

Section 40. Even on streets or ways where parking of vehicles is permitted, no vehicles shall park within five feet of either side of a stopping place for street cars. Persons doing business on streets where parking is prohibited shall, notwithstanding such prohibition, be permitted to use such streets during their business hours for the purposes incidental to the conduct of such business. No vehicle shall turn around in the streets where parking is prohibited.

Section 41. Parking is prohibited on the following streets or ways between the points or sides designated in such streets or ways:

Easterly side of Main Street from Moore Square to Riverside Avenue.

Either side of Riverside Avenue from Medford Square to the Boston & Maine Railroad crossing.

Northerly side of Salem Street from Ashland to Forest Street.

Either side of Ashland Street from Salem Street to Chestnut Street.

Either side of Forest Street from the junction of Medford Square and Forest Street to a point three hundred (300) feet northerly.

Northerly side of High Street to one hundred (100) feet westerly from junction of Forest and High Streets.

Adjoining the grass plots on both sides of Governors Avenue from High Street to Terrace Road.

Section 42. Vehicles parking on High and Main Streets adjacent to Medford Square shall be backed up to the sidewalk.

#### ONE WAY STREET

Section 43. Governors Avenue from High Street to Hall Road on both roadways of said avenue, one way street;

River Street from Riverside Avenue to Salem Street, between 6 A. M. and 6 P. M., shall be one way street.

#### PENALTY

Section 44. Whoever violates any of the provisions of this ordinance shall be punished by a fine not exceeding twenty (20) dollars for each offence.

In Board of Aldermen, November 30, 1920.

Passed to be Ordained.

Ordained, Dec. 16, 1920.

P. W. RICHARDSON, Acting President.

Approved, Dec. 17, 1920

JOHN J. MULKERIN, Acting Mayor.

Attest.

CHARLES A. WINSLOW, City Clerk.

## AMENDMENT TO REVISED ORDINANCES

## CHAPTER IV

ENTITLED

"SALARIES"

BE IT ORDAINED BY THE BOARD OF ALDERMEN  
OF THE  
CITY OF MEDFORD

Chapter IV of the Revised Ordinances of the City of Medford, Revision of 1919, entitled "Salaries" be and hereby is amended as follows: Strike out Section 1 and insert in place thereof the following:

"Section 1. The compensation to be paid the several officers mentioned in this section for each municipal year shall be fixed at the annual rates herein set forth, and shall be payable in equal monthly installments, from the appropriation made for the payment of salaries of city officers, or for the departments with which they are respectively connected, to wit:—

Mayor, three thousand dollars.

City Clerk, twenty-nine hundred dollars.

City Auditor, twenty-seven hundred and fifty dollars.

City Collector, twenty-seven hundred and fifty dollars.

City Treasurer, twenty-seven hundred and fifty dollars.

City Engineer, twenty-seven hundred and fifty dollars.

Chairman of the Board of Assessors, twenty-seven hundred and fifty dollars.

Purchasing Agent, twenty-five hundred dollars.

Superintendent of Wires and Gas Fittings, twenty-three hundred dollars.

City Messenger, twenty-one hundred dollars.

City Solicitor, two thousand dollars.

Building Commissioner, two thousand dollars.

Scaler of Weights and Measures, thirteen hundred dollars.

Clerk of Committees, nine hundred dollars.

Other Assessors, each, six hundred dollars.

City Physician, five hundred dollars.

Treasurer of Sinking Funds, four hundred and fifty dollars.

Agent for State and Military Aid and Soldiers Relief, three hundred dollars, for the duration of the War with Germany and during the period of one year thereafter.

Registrars of Voters, each, three hundred and fifty dollars.

Clerk of Mayor, two hundred dollars.

Inspector of Animals, one hundred dollars.

Pound Keeper, fifty dollars.

Strike out in line seven of Section 2, after the words "Street Commissioner" the words "twenty-five hundred dollars," and insert in place thereof the words "twenty-seven hundred and fifty dollars," so that said line shall read as follows:

"Street Commissioner, twenty-seven hundred and fifty dollars."

Strike out in line eight of Section 2, after the words "Chief of Police" the words "twenty-five hundred dollars," and insert in place thereof the words "twenty-seven hundred and fifty dollars," so that said line shall read as follows:

"Chief of Police, twenty-seven hundred and fifty dollars."

Strike out in line nine of Section 4, after the words, "Chief Engineer of the Fire Department" the words "twenty-five hundred dollars, and insert in place thereof the words "twenty-seven hundred and fifty dollars," so that said line shall read as follows:

"Chief Engineer of the Fire Department, twenty-seven hundred and fifty dollars."

In Board of Aldermen. December 16, 1920.

Passed to be Ordained.

Ordained, December 28, 1920.

PERCY W. RICHARDSON, Acting President.

Approved December 30, 1920.

JOHN J. MULKERIN, Acting Mayor.

Attest:

CHARLES A. WINSLOW, City Clerk.

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