



## MEDFORD HISTORICAL SOCIETY AND MUSEUM

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# CITY OF MEDFORD

## THE MAYOR'S ADDRESS

TO THE

BOARD OF ALDERMEN,

JANUARY 5, 1920.

THE CITY GOVERNMENT,

THE FINANCIAL STATEMENTS,

AND THE

## ANNUAL REPORTS

FOR THE YEAR

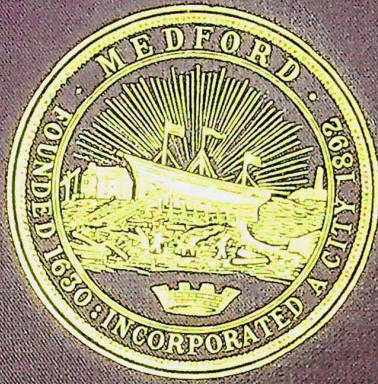
# 1919

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CITY OF MEDFORD

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Board of Aldermen, January 5, 1920

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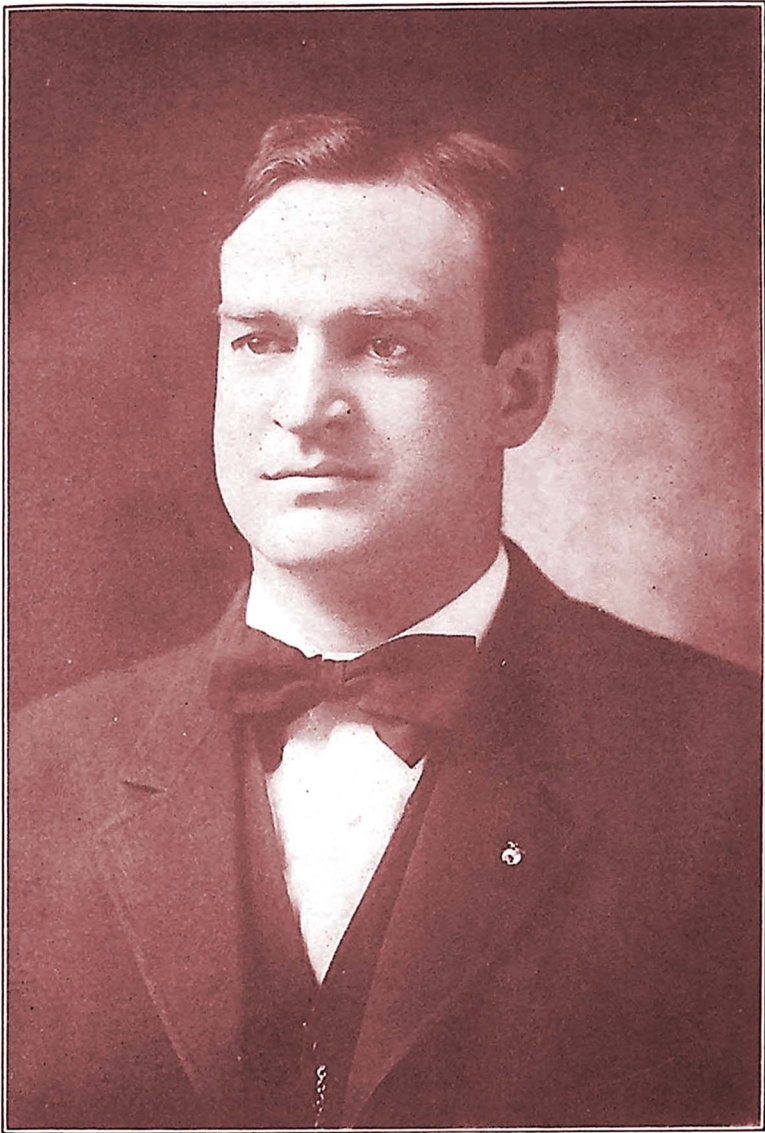
1919

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Published by the City Auditor, as Directed by the Mayor

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MEDFORD, MASS.  
MEDFORD MERCURY PRESS  
1920



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

DELIVERED

January Fifth, Nineteen Hundred Twenty

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My five years as Mayor of the City of Medford have impressed most strongly upon me the great responsibility that rests upon the Chief Executive of our city under our present form of government, and more certainly than ever do I appreciate how much depends upon the individual work and combined efforts of the board of aldermen.

Our form of government in city, state and nation has demonstrated that the power of co-operation is the highest manifestation of governmental intelligence and wisdom. The successful solution of the many problems which confront us during the coming year will demand our sincere and united efforts.

A larger amount of money than ever before must be raised by taxation to meet the assessments made by the state, the county, the Metropolitan districts and our own local administration of affairs. The vicious circle which

compels increase in salaries, in wages, without controlling or lessening the high cost of living, allows the high cost of commodities to increase to meet the increased wages so that no benefit is obtained thereby. The municipality, however, is unable to control this great problem and in order to be fair to those in our employ, we must raise the wages at the expense of a higher tax rate.

Our expenses, however, must be most carefully scrutinized and be kept as small as possible without effecting the efficiency which must not be sacrificed at any price.

It is unnecessary to enumerate the many causes of increased expenditure, for every citizen in Medford is familiar with the fact that within the last few years every commodity which the city is compelled to use in the construction of buildings, roads, sidewalks and sewers has practically doubled in price and all wages have been increased from 25 to 30 per cent.

I sincerely believe that this increase would have been met so that the tax rate would have been as low as in previous years, if the building up of the city could have continued as it started some few years ago.

As certain as night follows day, there can be no appreciable reduction in the tax rate without an increase in taxable property so that the increase in valuation will proportionally meet the increase in our expenditure.

More than ever before do I believe that the safety of the nation is dependent upon the education of our future citizens. Secretary Lane, in preparation for launching a campaign against illiteracy among the American people generally and against ignorance of the English language among foreign born, stated, that when the last census was taken



there were more than five and one-half million persons over 10 years of age who were unable to read or write any language. There were nearly seven hundred thousand men registered within the draft age who could neither read nor write the English language nor any other language. Over four million six hundred thousand of the illiterates of this country were 20 years of age and more than 50 per cent of these were white persons, and one million and one-half were native-born whites.

Here in our own beautiful city of homes, well governed and highly efficient; we do not appear to be immediately concerned in this great problem, but it is for us to maintain the high standard of efficiency to make up for those sections of our Commonwealth and our nation which are not so blessed with our opportunities and our excellent class of citizenship. We must have the best that our resources can afford; we must carry our burden as Americans, having in mind that only by our strenuous activity and our endurance of hardship can we keep our country in such a condition as to assimilate and educate the great hordes of ignorant people who are in our midst, filled with unrest and with passions inflamed by dangerous agitators. I hope that this city will stand foremost in the ranks of all municipalities in building schoolhouses and in educating the future generations so that our country may be represented throughout the world by the same high grade, patriotic men and women who have made this great Republic and placed us before the people of the world as the strongest, most prosperous, most successful and greatest country within the knowledge and memory of mankind.

My belief is as firm as ever in our city possessing high

grade public buildings and with renewed support, backed by the opportunities which I believe are within our borders, earnestly and sincerely I shall devote my efforts to the building of our schools and to the erection of our long promised and much needed City Hall. I feel most deeply on this subject and I urge the board of aldermen with all the energy that I possess to co-operate with me in making our city a City Beautiful, so that it may be said of us that we are not only an ancient locality with wonderful traditions and a glorious past but also that we are a wide-awake, up-to-date, progressive city of beautiful homes and a happy and contented people.

No one can foresee the problems which we may have to solve, many of which may seem to be beyond our strength, but we must face every situation as it arises, and united, work honestly and earnestly together to safeguard the interests of our citizens, and to make easier the lot of the poor and the unfortunate, to help the needy and the struggling and to alleviate the hardships and the sufferings of mankind.

We can make great strides in this direction and in these causes by working in harmony, with due respect for the opinion of each other and with a sincere regard for the welfare and happiness of those people who have intrusted to us the government of our city and the conducting of their public affairs.

Our different departments, under adverse circumstances, have done wonderfully well and I feel that we may be justly proud of the progress made in the building of our public streets and our main thoroughfares. Before the year is over, I hope that we may be able to see that from Malden to Somerville as well as to the Arlington line, these arteries of

travel so necessary to our reputation as a city, are thoroughly paved, Medford Square widened and beautified and our side streets accepted and constructed.

The work, this year, in the Highway department has cost large sums of money, much of which construction is of such a permanent nature as to call for no expenditure for many years.

Our Water department has done remarkably well, so that even in this time of increased wages and increased cost of material, our water rates have been kept the same as before the war.

Our School department, the most needed as well as the most expensive of our municipal problems, in spite of lack of facilities, has been able to maintain that high standard of efficiency which has placed Medford foremost among the educational centers in our grand old Commonwealth.

Our Library, though conducted at a smaller expense than any other in the Commonwealth, still through able and experienced management has met the requirements of our city in a commendable and worthy manner, of which we may well be proud.

Our Park department, managed by a veteran board, has made many beautiful spots within our city and with a limited amount of money has constructed wonderfully equipped playgrounds for our children and has furnished daily instruction and supervision for our youth so that they may enjoy healthful and wholesome pleasure and entertainment, so much needed for the future welfare of our manhood.

Our Fire department is perfectly equipped, officered and manned by an organization which does credit to itself and to

our city, adding security to our homes and meeting the commendation of all the surrounding cities.

The Police department, under efficient officers, has gained the respect and enjoys the appreciation of the people by hard work, good judgment and intelligent services, so that our city is clean, and dangerous or obnoxious situations are immediately taken care of.

Our Cemetery department has made Oak Grove cemetery a beautiful City of the Dead, which is held throughout the state as an example of a well cared for and well planned resting place to those who have gone before.

We cannot, nor should we ever, become a city of mills and factories, a city of obnoxious industries, wherein resides a low grade class of citizens. We are fundamentally a City of Homes, clean and sweet, a resting place to those who bring their burdens to their own firesides, happy and contented, unannoyed by strife and confusion, turmoil and worry, danger and fear which are incident to a foreign population, hard to assimilate and hard to govern.

Our development must be healthy, our environment must be conducive to the welfare of our children and the safety of our families.

We are at the commencement of our growth; the pages of history are ours to write upon. We must leave the city prosperous and contented or our efforts have been a failure. Only by harmony and co-operation can this result be obtained and only by attaining these beneficial results can we meet the commendation of those who intrusted to us the sacred duty of the protection of their homes and their firesides.

You are a veteran board of aldermen. I am a veteran

mayor. Experience in service should have taught us much. Our knowledge of conditions gained through these many years of activity should make us invaluable in solving the problems. It is necessary that we cast aside our personal ambitions or aspirations and consider always the needs and welfare of our people and shape our course towards a successful termination of the great task to which we must consecrate our term of service.

We enter upon a year financially well prepared to cope with every emergency, and when success has been attained by us under the trying circumstances with which we are confronted, the satisfaction which we will have in the future years on looking back at the work of our minds and our hands and the shaping of the destiny and the future of this wonderful city will be sufficient reward to make our eyes glisten and faces glow with pride for achievement accomplished and work well done.

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#### After Remarks

One year older, one year more experienced, one year more battered and worn but with the same energy and the same confidence in myself and in the city of Medford that was my guiding star and strength when I first took up the burden as Chief Executive of this prosperous and thriving city.

Medford, for which I have worked, and which has had the best which is in me; Medford, whose name I have carried into every city and every town in this Commonwealth, which through hardships and triumphs, storm and strife, war and peace, has never failed to appreciate my efforts.

I wonder if you can feel how dear during these years you have become to me, the city of my home, the city of my choice, the birthplace of my children, the last resting place of those whom I loved and who have gone before. Every fibre of my being thrills with gratitude at the honors you have bestowed upon me and my heart throbs with pride for the great work and the many deeds of kindness which we have been able to perform.

We have been able to take care of our people by furnishing, regardless of price and many times without cost, wood, coal, sugar, flour, army supplies of all descriptions, the caring for the sick during the great epidemics of meningitis and influenza, the transportation of the unfortunate to the hospitals at the city's expense, the caring of the dependents of our soldiers in the war, the instruction and kind word to the city's youth, the encouragement of every good cause, in which we have all had a part. These are things to which we may justly look back with pride. To every call of the nation and the state we have responded and given without stint.

The year is before us; as the great Roman statesman, Cato, on every occasion in the Roman Senate, would arise and warn the Romans of the peril of the Carthaginians, so I have never lost an opportunity to warn the citizens of Medford of the danger of lethargy and inactivity in building up our city beautiful on the lines of progress and future necessity. I feel that you all agree with me in the needs of increased facilities and the New City Hall.

I had hoped ere this to have torn down those old shacks in Medford Square, to have widened out the square, to have abolished the grade crossing on Riverside avenue, to have compelled the construction of a new depot, to have electrified the Medford Branch Railroad, making an artery for all trans-

portation in this section to the Medford District, to have constructed Medford Square with its new Post Office, with its new Railroad Station, with its new Y. M. C. A., with its new Masonic Building, with its new City Hall and its new stores and office buildings, as a thriving, up-to-date centre of trade and industry, with its perfect school system and its wonderful fire protection, and efficient police force, its low water rates and its genial home-like atmosphere. But the time has not been opportune and the hope has been deferred but not blasted and all those wonderful opportunities, which would have brought lower tax rate and an influx of building, are yet before us awaiting accomplishment.

Much can be done, much must be done this year. I can see no prospect of there being any reduction in the high cost of material or the price of labor. If these things can be done there is no advantage to be obtained by postponement or delay, and as other cities are progressing, building and improving, we will fail in the competition and lose the incoming of good citizens and increased buildings which are necessary to our growth, if we do not meet the issue fairly and squarely for improvements and upbuilding.

I often wonder what that ancient detachment of colonists, who in 1630 founded the Town of Medford, under the leadership of John Winthrop, would think if they knew or could see the growth of the work of their hands. We are a city of 37,000 people with a valuation of nearly 37 million dollars, an amount of money, which at that time would have crowded to its capacity the coffers of all the kings of all the nations of those days.

Their great spirit and progressive activity and their belief in the future of Medford is shown by the act of Governor Cradock, who, although on the other side of the Atlantic.

built the Cradock House, now standing in the eastern section of our city, and at the founding of the then settlement, sent word to the citizens, few in number but strong in character, "You must live unblamable and without reproach and demean yourselves justly and courteously."

The settlement from those days has grown into a town and city and, in the words of one of its historians, "Such," he said, "is Medford, the home of kindness and hospitality, a noble type of the old New England Town."

We have sent our men first into every war, we have fought on every battlefield in this country and in Europe. Where the call for men went forth, we were ever the first to answer.

We, of our generation, have followed nobly in their footsteps in deeds of courage and of valour. Our Medford boys were the first of the American forces to leap out of the trenches and to attack the enemy on the battlefields of France, and one of our own boys was the first American officer to enter Germany, the land of cruelty and bloodshed, at the head of the conquering Americans.

Such is our foundation, such is our history, and I feel those ancient men of sterling character, of undaunted courage and of pride in their own unblamable lives, would look with satisfaction on this beautiful, historic city of valiant and courageous men and honest and upright women, which they, with much labor and great hardship in the face of great danger and pestilence, carved out of an unknown wilderness.

We must carry their standard forward and crown with success that endeavor which so many of our sturdy people have sacrificed their lives to make possible.

We must progress, we must go forward; there can be no stop, there should be no delay nor hesitation. The very ground



on which we walk is teeming with noble sentiments and high resolves and we must not fall short of the great examples which have been so wonderfully ours.

With this spirit, we begin the New Year. In this great work, you all have a part. It is yours to condemn any small, mean, unworthy act, but it is equally yours to commend and take a part in the upbuilding of this, our home city, and to assist in making Medford the home of kindness and hospitality, a noble type of New England traditions.

## FINANCIAL STATEMENT

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The following is the financial statement of the City of Medford, January 1, 1920:

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
No. 102. Gypsy and Brown Tail Moths .....	5,000 00
Nos. 104 and 105. Middlesex Avenue Bridge Assessment .....	16,000 00
No. 107. Safe and Equipping Vault .....	1,100 00
No. 109. Magoun Avenue and Pembroke Street Drain .....	1,200 00
Nos. 121 to 123. Fire and Police Signal Boxes, Garage, Heating Plant .....	1,500 00
Nos. 124 and 125. Sidewalks and Edgestones...	6,000 00
Nos. 126 to 129. Ladder Motor Truck, Chassis, Fourth Street including Sidewalk .....	13,800 00
No. 135. Land adjoining High School lot, Schoolhouses and Land, Shop for Highway Dept., Boiler .....	10,000 00
Nos. 6 to 10. Original Construction of Streets..	3,000 00
Nos. 6 to 10. High School Equipment .....	1,000 00
Nos. 6 to 10. Wellington Road .....	2,500 00
Nos. 22 to 35. Sidewalk Loan .....	14,000 00
Total Notes outstanding .....	\$109,100 00

Amount brought forward ..... \$109,100 00

The bonded debt of the city consists of:—

City Hall, Act of 1913 .....	\$170,000 00	
Junior High School 1916-1918-1919	208,750 00	
Original Equipment, Junior High School .....	14,000 00	
School Loan 1912 .....	148,000 00	
High School Addition .....	27,250 00	
High School Original Equipment	10,500 00	
Lincoln Schoolhouse .....	45,000 00	
Schoolhouse Improvement .....	14,000 00	
Schoolhouse Loan of 1908 .....	95,000 00	
School Loan of 1911 .....	46,000 00	
School (portable) 1919 .....	9,000 00	
School 1919 .....	50,000 00	
Fulton Heights School .....	500 00	
Hancock Avenue Schoolhouse 1915, 1916 .....	40,750 00	
Osgood Schoolhouse 1916, 1917 ...	25,500 00	
Water Fund .....	92,000 00	
Municipal .....	20,000 00	
Sewerage .....	260,000 00	
Public Playground 1903, 1912, 1914	48,700 00	
Playground Equipment .....	1,000 00	
Park Loan .....	32,000 00	
Metropolitan Park Assessment Loan .....	27,000 00	
City Stable .....	15,000 00	
Surface Drainage .....	20,000 00	
Surface Drains 1917, 1918 .....	7,500 00	
Drainage 1912, 1916 .....	9,000 00	
Streets and Drains, 1917.....	13,500 00	
Original Construction of Streets, 1914 .....	8,500 00	
Amounts carried forward...	\$1,458,450 00	\$109,100 00

Amounts brought forward..	\$1,458,450 00	\$109,100 00
Original Street Construction 1917, 1918, 1919 .....	76,500 00	
Street Construction 1916 .....	6,600 00	
Street Loan 1916 .....	20,300 00	
Forest Street .....	2,600 00	
Street 1919 .....	105,000 00	
Sidewalks 1915, 1916, 1917, 1918, 1919 .....	72,400 00	
Fire Station 1912 .....	7,800 00	
Fire 1917, 1918 .....	36,500 00	
Departmental Equipment 1915, 1916, 1917 .....	10,800 00	
Police Dept. Equipment .....	850 00	
War Loan 1917 .....	4,500 00	
War Emergency 1918 .....	8,000 00	
War Memorial 1919 .....	5,000 00	
Permanent Pavement 1918 .....	1,500 00	
Sewer (drainage purposes) 1918..	8,500 00	
	<hr/>	
Total bonds outstanding.....		\$1,825,300 00
		<hr/>
Total debt for which bonds or notes have been issued...		\$1,934,400 00

The advance report of the Commissioners states the condition of the Sinking Funds as of December 31, 1919 as follows:—

Water .....	\$113,769 88
Sewerage .....	155,116 97
Public Playgrounds.....	8,784 36
Park .....	32,000 00
Metropolitan Park Assessment ..	15,474 28
Schoolhouse Improvement .....	7,875 87
	<hr/>

Amounts carried forward.. \$333,021 36 \$1,934,400 00

MAYOR'S ADDRESS

17

Amounts brought forward..	\$333,021 36	\$1,934,400 00
City Stable .....	11,417 40	
Schoolhouse of 1908 .....	51,102 98	
Lincoln Schoolhouse .....	39,159.00	
City Notes .....	60,923.78	
	<hr/>	495,624 52
Leaving our net debt Jan. 1, 1920.....		\$1,438,775 48
The net debt Jan 1, 1919, was .....		1,343,635 76
		<hr/>
An increase since Jan. 1, 1919, of .....		\$ 95,139 72
Bonds issued in 1919 .....	\$255,400.00	
Bonds and notes paid in 1919....	253,900.00	
	<hr/>	
		1,500 00
The Sinking Funds decreased....	93,639 72	
	<hr/>	\$95,139 72

Bonds authorized but not yet issued :

Brooks and Lincoln School		
House equipment .....	\$ 3,000 00	
Police Signal System .....	2,000 00	
Playground equipment .....	3,000 00	
New Hose .....	2,000 00	
Sidewalks and Edgestones .....	41,500 00	
Ship Avenue .....	4,000 00	
Surface Drains .....	4,500 00	
Development of the Port of Boston	12,000 00	
Sewer Construction .....	15,000 00	
Capen Street Drain .....	4,000 00	
South Medford portable School		
House .....	6,000 00	
	<hr/>	97,000 00
The gross debt will have increased.....		\$195,139 72

The report of the Commissioners of Sinking Funds also gives the total of Trust Funds as .....	\$16,056 74
	<hr/>
And the Perpetual Care Fund as	\$49,707 01
The City received in 1919.....	1,917 50
	<hr/>
Total of Perpetual Care Fund .....	\$51,624 51

# Report of the City Auditor

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Medford, Jan. 1, 1920

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,  
City Auditor.

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The cash in the treasury Jan. 1, 1919 was.....	\$95,780 10
The receipts from Jan. 1, to Dec. 31 were.....	2,494,513 04
	<hr/>
	\$2,590,293 14

Sixty-six drafts have been drawn on the treasury amounting to .....	2,371,063 20
	<hr/>

The cash in the treasury as shown by the books of this office on Jan. 1, 1920, is ..... \$ 219,229 94

Certificates have been received at this office showing the amounts on deposit at the close of business January 22, 1920, as follows:—

In National Shawmut Bank .....	\$38,172 63
In Tremont Trust Co. ....	75 34
In Medford Trust Co. ....	60,205 25
Cash in the treasury including memorandum..	559 27
Coupons held as cash .....	842 50
	<hr/>
	\$99,854 99
Deduct amount of outstanding checks.....	485 80
	<hr/>
True cash balance Jan. 22, 1920.....	\$99,369 19
The Auditor's books show that the cash in the treasury Jan. 1, 1920, was ...:	\$219,229 94
Interest credited by National Shawmut Bank, Jan. 15, 1920 .....	241 36
	<hr/>
	\$219,471 30
Drafts Nos. 1 to 3 inclusive amount to .....	\$71,189 13
All items are paid or accounted for except No. 2 (one-half of which has been paid), Nos. 43-71-96 and 97 amounting to .....	1,087 02
	<hr/>
	70,102 11
	<hr/>
	\$149,369 19
The National Shawmut bank has charged to the account notes in anticipation of revenue due Jan. 15, 1920. These notes have not been received from the bank and they amount to .....	50,000 00
	<hr/>
Balance at close of business Jan. 22, 1920.....	\$99,369 19

The detailed statement of the receipts and expenditures of the city for the past year is as follows:—



**RECEIPTS**

From January 1 to December 31, 1919, inclusive.

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**Armory**

Received from:

Commonwealth of Massachusetts—rent and maintenance of 3rd Class Armory one year to Dec. 1, 1918.....	\$ 900 00
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**Ashes**

Received from:

Henry Risman, gleanings from dump.....	\$ 499 92
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**Auditing Department Expenses**

Received from:

City Treasurer, amount deducted from bill No. 3217 in favor of Herbert F. Dowell....	\$ 5 00
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**Bonds**

Received from:

Commissioners of Sinking Funds, face value of Sewerage bonds .....	\$ 5,000 00
Merrill, Oldham & Co., face value of the following bonds:	
Surface Drainage .....	3,000 00
Schoolhouse (portable) .....	9,000 00
Original Construction of Streets .....	38,000 00
Junior High Schoolhouse .....	8,400 00

## REPORT OF CITY AUDITOR

Honor Roll .....	\$ 5,000 00
Street Loan .....	105,000 00
Sidewalk .....	32,000 00
School (Act 1919) .....	50,000 00
	<hr/>
	\$255,400 00

**Board of Survey**

Received from:

Thomas W. Harrington, deposit .....	\$15 00
Charles H. Tenney & Co., deposit .....	15 00
W. Leavis, deposit .....	15 00
John H. McGill, deposit .....	15 00
	<hr/>
	\$60 00

**Care of Oak Grove Cemetery**

Received from:

Edward W. Mitchell, Superintendent, plants, interments, etc. ....	\$ 250 00
Edward W. Hayes, Collector, plants, care, extra work, etc. ....	1,497 96
Trustees of Cemeteries, interments and miscel- laneous purposes .....	1,405 50
Trustees of Cemeteries, amount deposited in banks .....	2,984 47
Commissioners of Sinking Funds, income from Perpetual Care Fund .....	1,661 86
London Guarantee and Accident Co., settlement of claim, Medford vs. Houghton & Dutton Co. ....	250 00
Sundry persons from sale of lots .....	2,997 75
Sundry persons, from sale of single graves.....	3,660 00
	<hr/>
	\$14,707 54

**Collection of House Offal**

Received from:

Mary P. C. Cummings, garbage from Oct 1., 1918, to Jan. 31, 1919 .....	\$1,066 67
Middlesex Live Stock Co., garbage from Feb. 1, to Oct. 31, 1919 .....	2,812 50
	<hr/>
	\$3,879 17

**Contagious Diseases**

Received from:

Commonwealth of Massachusetts, in accordance with Chapter 637, Acts 1912 .....	\$80 71
Massachusetts Homoeopathic Hospital, refund..	8 50
	<hr/>
	\$89 21

**City Home**

Received from:

Margaret I. Tobin, wood .....	\$ 12 00
P. Hogan, wood .....	7 00
Edward W. Hayes, wood .....	14 00
Elizabeth Tansen, board of inmate .....	162 00
John J. FitzGerald, sale of produce, live stock, etc. ....	236 02
Patrick Connors, wood .....	6 00
Hannah Cunningham, board of inmate .....	25 00
John J. Ward, Tr., board of inmate .....	80 00
John J. FitzGerald, board of inmate .....	15 00
City of Everett, board of inmate .....	272 00
Town of Winchester, board and clothing of inmate .....	55 28
John J. FitzGerald, cash found after death of inmate .....	40 83
	<hr/>
	\$925 13

**Engineering Department Expenses**

Received from:

Medford Highway Department, labor, car fares .....	\$1,477 09
Medford Water and Sewer Department, labor, car fares .....	944 68
Medford Cemetery Department, labor, car fares .....	22 44
Medford Board of Survey, labor, car fares.....	6 18
Medford Assessing Department, labor on plans .....	1,499 67
	<hr/>
	\$3,950 06

**Estates Bought at Sale for Taxes**

Received from:

William Williams, release of tax title on 3662 sq. ft., lot 73, Rural St.....	\$ 36 95
Mary E. Clark, release of tax title on 3193 sq. ft., rear Irving St. ....	16 81
Mary E. Clark, release of tax title on 1279 sq. ft., N. pt. lot 17 and N. W. pt. lot 16, Madison Street .....	11 40
Daniel J. Buckley, release of tax title on 4525 sq. ft., lot 45, Hazel Road .....	8 68
Eliza A. Molloy, release of tax title on 30,210 sq. ft. in rear of Cummings St.....	14 53
Annie W. Compton, release of tax title on lot 75, Russell St. ....	10 44
Annie W. Compton, release of tax title on lot 74, Russell St. ....	10 44
James T. Dennison, release on tax title on 3561 sq. ft., lot 2, Brookings St.....	80 85
Nathan Levenson, release of tax title on lot 166, Sterling St., corner Cornell St.....	8 86

RECEIPTS

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New England Realty Co., release of tax title on 1530 sq. ft., rear pt. lot 179, off Harold St..	\$ 8 86
Elizabeth A. Fisher, release of tax title on lot 35, Rural (or Chipman) St. ....	15 96
	\$223 78

**Sundry Accounts of City Collector**

Received from Edward W. Hayes, City Collector:

Taxes of 1919, real estate.....	\$633,899 81
Taxes of 1919, personal .....	57,975 33
Taxes of 1919, poll .....	15,954 00
Taxes of previous years .....	290,555 86
Sewer Connections .....	1,928 98
Sewer Connections, apportioned .....	1,444 16
Sewer Connections, apportioned, paid in advance	218 32
Sewer Connections, added to taxes.....	2,699 40
Sewer Assessments .....	1,752 68
Sewer Apportionments .....	1,381 01
Sewer Apportionments, paid in advance.....	199 42
Sidewalk Applications .....	2,530 68
Sidewalk Assessments .....	14,513 23
Sidewalk Apportionments .....	3,054 63
Sidewalk Apportionments, paid in advance....	207 93
Water Connections .....	4,405 64
Gypsy and Brown Tail Moth Assessment.....	161 70
Watering Assessment .....	19,368 46
Betterments .....	17,540 13
Betterments, apportioned .....	1,727 40
Betterments, apportioned, paid in advance....	795 14
Deposits, water connections .....	153 49
Water Service .....	100,267 10
December Taxes .....	49 89

**Electrical Department Expenses**

Received from:	
Kenneth Hutchins, to cover toll calls .....	\$ 9 94
Medford Building Inspection Department, use of telephone .....	12 00
	<hr/>
	\$21 94

**Evening School**

Received from:	
Fred H. Nickerson, Superintendent, unrefunded deposits .....	\$5 29

**Excess and Deficiency**

Received from:	
Edward W. Hayes, Collector, poll taxes col- lected after abatement .....	\$4 00

**Guide Boards and Street Signs**

Received from:	
Brockway & Smith, damage to "silent police- man" .....	\$3 00
French Bros., damage to "silent policeman" ....	3 00
Rodney T. Mooney, damage to "silent police- man" .....	3 50
	<hr/>
	\$9 50

**General Expenses School Department**

Received from :

Frank W. Durkee, tuition .....	\$ 50 00
City of Boston, tuition of Wards .....	69 00
Commonwealth of Massachusetts, tuition of State Wards .....	1,530 75
	<hr/>
	\$1,649 75

**Fire and Police Signal Service**

Received from :

J. M. Hager & Son, repairs to Fire Alarm Box	\$127 53
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**Food Production and Conservation**

Received from :

Laura P. Patten, cash received for canning work .....	\$ 8 57
J. Spellman, plowing and harrowing .....	4 50
	<hr/>
	\$13 07

**Fuel Administration Expenses**

Received from :

James J. Storrow, Adm'r, refund on coal .....	\$45 60
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**General Repairs of Highways**

Received from :

Pier Fish Co., steam boiler, Atlas engine.....	\$ 85 00
Malden and Melrose Gas Light Co., repairing catch basin connection .....	20 00
Edward E. Elder, crushed stone .....	2 10
Medford Celebration of July 4th account, mov- ing band stand .....	20 00
Buffalo-Springfield Roller Co., second-hand scarifier .....	50 00

W. T. Shannon, on old typewriter .....	\$ 40 00
Medford School Department, labor .....	28 00
Medford Water and Sewer Department, use of steam road roller .....	10 00
Eastern Mass. Street Railway, excise tax for 1919 .....	167 13
Bay State Street Railway Co., excise tax.....	701 53
Commonwealth of Massachusetts, street railway tax, 1917 .....	150 79
Commonwealth of Massachusetts, rebate on registration fee .....	2 50
Commonwealth of Massachusetts, street railway tax, Chap. 490, pt. III, Sec. 64-65-68.....	5,583 21
George Center, old tires .....	3 00
	<hr/>
	\$6,863 26

### Junior High Schoolhouse

Received from:

American Seating Co., refund of freight paid by city .....	\$102 12
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### Insurance

Received from:

Hinckley and Woods, refund .....	\$248 00
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### Income from Trust Funds

Received from:

Commissioners of Sinking Funds, income to Nov. 1, 1919 .....	\$ 708 70
Medford Savings Bank, income from Bradbury Fund to Nov., 1919 .....	512 03
	<hr/>
	\$1,220 73



**Interest**

Received from:

National Shawmut Bank, on deposits (Treasurer) .....	\$1,484 98
Medford Trust Co., on deposits (Treasurer)...	764 42
Medford Trust Co., on deposits (Collector)....	343 13
National Shawmut Bank, on deposits (Collector)	312 68
Sundry persons, release of tax titles .....	23 41
Thomas F. Dyer, on poll tax .....	16
Edwin K. Carpenter, on poll tax .....	17
Edward W. Hayes, on \$2,500, 3½% Liberty Bonds, 1 year .....	87 50
Commissioners of Sinking Funds, on bonds pur- chased .....	84 38
Merrill, Oldham & Co., on bonds purchased....	2,506 00
Bay State Street Railway Co., on 1917 and 1918 excise taxes .....	44 44
<i>Edward W. Hayes, Collector, on following accounts:</i>	
Sidewalk Assessments .....	323 16
Sidewalk Apportionments .....	285 69
Sewer Connections .....	19 72
Sewer Connections, added to taxes .....	105 64
Sewer Connections, apportioned .....	256 94
Sewer Assessments .....	97 72
Sewer Apportionments .....	238 13
Taxes .....	16,323 52
Betterments .....	550 35
Betterments, apportioned .....	293 53
	<hr/>
	\$24,145 67

**Interest on the Water Debt**

Received from:

Commissioners of Sinking Funds, income from Water Sinking Fund for 1918 .....	\$5,296 93
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### Miscellaneous Credits

Received from :

Commonwealth of Massachusetts :

Public Service Corporation Tax .....	\$ 7,890 69
Business Corporation Tax .....	9,111 78
Business Corporation Tax Adjustment....	2 66
Income Tax, general purposes .....	51,619 84
Income tax, school (Chap. 363, Acts 1919)	33,135 50
National Bank tax .....	2,934 93
Burial of Soldiers and Sailors .....	150 00
Soldiers' Exemption .....	72 01
Income tax adjustment, 1917 .....	2,544 00
Income tax adjustment, 1918 .....	5,724 00
First District Court EM, fines and fees.....	1,575 15
Blake Bros. & Co., premium on notes.....	12 00
Clerk of Courts, Middlesex Co., refund on amount paid for printing brief.....	20 50
John R. Fairbairn, master, fines, etc. ....	100 50
Solomon Bros. & Hutzler, premium on notes....	7 00
Society Players Film Co., rental of property about Wrights' Pond, 1 year, to Jan. 31, 1920 .....	1,500 00
Edwin K. Carpenter, costs on poll tax.....	95
Boston & Maine R. R., sealing scales .....	2 51
Medford City Home, sealing scales .....	59
Medford Water Service, sealing scales .....	2 04
Malden Electric Co., permits .....	164 00
Malden & Melrose Gas Light Co. ....	82 00
Edward W. Hayes, Collector, certificates, Chap. 378, Acts 1907 .....	666 40
Benjamin F. Haines, Mayor, fees for licenses...	364 04
Charles A. Winslow, City Clerk, fees .....	3,087 47
Winslow Joyce, milk licenses, renewals .....	132 00
Winslow Joyce, Sealer, fees .....	175 48
Hugh G. Kennedy, Street Commissioner, permits	23 50



**Ordinary Expenses Fire Department**

Received from:

The Seagrave Co., 1/2 cost of new tires for ladder truck .....	\$53 50
Felix Center, old tires, etc. ....	2 00
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	\$55 50

**Outside Relief**

Received from:

Commonwealth of Massachusetts, aid rendered	\$3,271 08
City of Boston, aid rendered .....	866 25
City of Malden, aid rendered .....	78 00
City of Somerville, aid rendered .....	194 33
Medford Branch Red Cross, aid rendered .....	32 00
John J. FitzGerald, recovered for Hospital Care, etc. ....	24 00
City Treasurer, refund of allowances not called for .....	21 57
	<hr/>
	\$4,487 23

**Payment of City Debt**

Received from:

Commissioners of Sinking Funds, to retire maturing bonds and notes .....	\$124,200 00
Merrill, Oldham & Co., premium on bonds....	1,549 98
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	\$125,749 98

**Perpetual Care Fund**

Received from:

John J. Campbell .....	\$ 100 00
Herbert F. Dowell .....	105 00
Elisha J. Sampson .....	150 00

RECEIPTS

33

Frank H. Lincoln .....	\$ 175 00
Carrie M. Tutein .....	75 00
Elizabeth Laird .....	75 00
George H. Richardson .....	75 00
James R. Gibson .....	75 00
Albert E. Burnham .....	75 00
David W. Wilcox .....	62 50
Elijah R. Green .....	62 50
William F. Bartlett .....	62 50
Albert Roscoe .....	62 50
Ernest H. Hatch .....	62 50
Florence L. Torrens .....	50 00
Rena G. Geary .....	50 00
John M. Durant .....	50 00
Archibald J. Young .....	50 00
Estate of Charles Booth .....	50 00
Joseph Morelli .....	50 00
Albert N. Libby .....	50 00
Zoie F. Dill .....	50 00
Harold B. Enright .....	50 00
Alice A. Manning .....	50 00
Barbara T. White .....	50 00
Ulla A. Bathrick .....	50 00
William E. Bentley .....	50 00
Estate of Elizabeth A. Putnam .....	50 00
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	\$1,917 50

Public Library

Received from:

J. O. Hayden, County Treasurer, 95% of \$2,485.20 dog licenses .....	\$2,360 94
Income from Trust Funds Acct., income from Tufts, Munroe and Osgood funds for 1919	135 42
A. L. Sargent, Librarian, fines, books lost, etc...	581 00
	<hr/>
	\$3,077 36

**Public Commons**

Received from:

Medford Playground Acct., pay roll erroneously charged by Park Dept. to Public Commons	\$191 00
Medford School Department, mowing weeds and grass at Junior High School .....	30 00
	<hr/>
	\$221 00

**Purchasing Department Expenses**

Received from:

Medford Engineering Department, carbon paper .....	\$ 5 00
Medford Police Department, carbon paper and paste .....	3 76
Medford Water and Sewer Department, paste.	1 25
Medford Highway Department, paste.....	63
Medford Collecting Department, paste.....	63
Medford School Department, carbon paper....	2 50
Medford Executive Department, carbon paper	5 00
Medford Fire Department, typewriter ribbon..	1 00
Medford Assessing Department, paste.....	1 26
Medford City Clerk's Department, paste.....	2 50
Medford Cemetery Department, carbon paper	2 50
Medford Public Library Department, carbon paper .....	2 50
	<hr/>
	\$28 53

**Repairs—School Department**

Received from:

City Treasurer, amount of bill disallowed...	\$ 10 00
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**Sewer Construction**

Received from :

Medford Park Department, material and labor lowering manhole .....	\$ 6 57
Medford Whitmore Brook Account, lumber, crushed stone, etc.....	72 84
New England Tel. & Tel. Co., labor and material repairing house connection.....	4 08
James Nestor, cement .....	4 80
L. G. Brown, pipe.....	1 08
James L. Sinclair, labor repairing.....	7 85
St. Joseph's Church, lowering connection.....	2 45
Judson Terris, sewer pipe.....	4 20
E. Teel & Co., cement.....	10 80
	<hr/>
	\$114 67

**Sewer Maintenance**

Received from :

Catherine Goggin, clearing sewer stoppage..	\$ 2 05
William F. Bartlett, clearing sewer stoppage..	7 18
Emil Friedman, clearing sewer stoppage.....	2 00
	<hr/>
	\$11 23

**Stewardship**

Received from :

Fred H. Nickerson, Superintendent, unrefunded evening school deposits, damages, etc.	\$324 94
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**Salaries of Firemen**

Received from :

City Treasurer, amount overpaid Edward E. Papkee .....	\$ 92
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**Salaries of Teachers**

Received from:

City Treasurer, on account of error in time on payroll .....	\$ 2 50
State Teachers' Retirement Board, refund....	9 00
	<hr/>
	\$11 50

**Sinking Funds**

Received from:

Commissioners of Sinking Funds, excess of appropriation over amount required....	\$400 00
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**Soldiers' Relief**

Received from:

City Treasurer, refund of allowances uncalled for .....	\$82 00
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**State Aid**

Received from:

City Treasurer, refund of allowances uncalled for .....	\$ 366 85
Charles A. Winslow, City Clerk, refund of amount disallowed.....	35 42
Commonwealth of Massachusetts, State aid, 1918 .....	37,402 94
Commonwealth of Massachusetts, military aid, 1918 .....	72 00
	<hr/>
	\$37,877 21



**Special Police, Etc.**

Received from :

James Norton & Co., second-hand wagon....	\$ 21 00
Edward C. Taylor, second-hand motorcycle...	175 00
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	\$196 00

**Surface Drains**

Received from :

John F. Jennell, pipe.....	\$6 08
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**Sidewalks and Edgestones**

Received from :

Sundry persons, lowering curb.....	\$274 00
Sundry persons, making driveways.....	157 50
Samuel Ginsberg, lowering driveway.....	20 00
Kenneth Hutchins, lowering curb and granolitic work .....	15 00
Herman L. Buss, granolithic work.....	18 33
John F. Welch, bags and cement.....	5 25
City Treasurer, refund of war tax.....	2 96
Medford Park Department, sand.....	12 00
Medford Stone Bounds account, cement and labor .....	43 11
	<hr/>
	\$548 15

**Trees**

Received from :

Mrs. Johnson, deposit for trees on Golden Avenue .....	\$18 00
Shepherd Brooks, trees on Playstead Road....	24 00
Medford Gypsy and B. T. Moth account, labor charged to trees by error of Highway Department .....	3 42
	<hr/>
	\$45 42

**Trade Schools**

Received from:

Commonwealth of Massachusetts ½ cost of tuition from Sept. 1, 1917, to Sept. 1, 1918	\$604 12
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**Reception, Entertainment and Care of Medford Soldiers,  
Sailors and Marines**

Received from:

Ernest B. Moore, amount received for return of cigarettes .....	\$ 23 40
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**Whitmore Brook**

Received from:

Medford Sewer Construction account, cement, also bags .....	\$147 18
Penn Metal Co., material returned.....	261 94
	<hr/>
	\$409 12

**EXPENDITURES****Aldermen's Contingent**

Paid:

J. C. Miller, Jr., envelopes, printing.....	\$ 85 40
Medford Publishing Co., printing, advertising hearings .....	11 25
Medford Flower & Gift Shop, wreaths.....	13 50
Lane's Cafe, collation for Board.....	40 00
Dudley Garage, taxi service.....	50
George E. Crosby Co., printing, manuals.....	227 75
Adams, Cushing & Foster, stationery supplies.	90 10
Proudfit Loose Leaf Co., binder.....	15 05
	<hr/>
	\$483 55

**Auditing Municipal Accounts**

Paid:

Commonwealth of Massachusetts, expense between June 20, 1918, and June 20, 1919.	\$442 88
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**Boston Elevated Railway Tax**

Paid:

Commonwealth of Massachusetts (Chapter 159, Special Acts of 1918):		
Assessment .....	\$81,449 82	
Interest .....	1,220 12	\$82,669 94

**Post 45—American Legion**

Paid:

F. W. Morris Co., Agents, rent.....	\$50 00
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**Armory**

Paid:

Trustees of Veteran Association of the Lawrence Light Guard of Medford, rent, including heating, lighting and care, 1 year to Jan. 1, 1920.....	\$2,000 00
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**Bonds of City Officials**

Paid:

Mass. Bonding & Insurance Co., premium on bonds for city officials.....	\$601 00
U. S. Fidelity & Guaranty Co., extra premiums	31 12
	\$632 12

**Charles River Basin Assessment**

## Paid:

## Commonwealth of Massachusetts:

Interest on Basin Loan Fund.....	\$1,311 00
Cost of Maintenance.....	1,779 25
Serial Bonds.....	107 10
	<hr/>
	\$3,197 35

**Claims**

## Paid:

Mrs. Mark Stamper, compensation as decreed by Court to Dec. 29.....	\$ 550 00
Mrs. James Miller, compensation as decreed by Court to Dec. 29.....	550 00
John H. McMullin, compensation as decreed by Court to Jan. 1, 1920.....	1,534 00
Julia Cook, in settlement for injuries received in tripping over gasoline tank inlet.....	500 00
The Medford Square Realty Co., for land tak- ing at corner of High and Forest Streets.:	584 43
Carrie I. Wight, in settlement of suit.....	1,175 93
Elbridge K. Jewett, for claim awarded.....	132 83
John J. Heffernan, professionl services.....	25 00
Bertha Smiley, for damage to clothing.....	50 00
Amelia Steinhauser, for damage to clothing..	25 00
Walter Whitehead, in settlement for damages	199 24
Mary T. Wishman, for land damage.....	150 00
Catherine Butler, settlement for damages.....	275 00
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	\$5,751 43

**City Collector—Sewer Apportionments**

## Paid:

Florence I. Twombly, refund on account of er- roneous assessment.....	\$10 48
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**City Collector—Sewer Connections Apportioned**

Paid:

Wm. A. and Margaret Colleran, refund on account of erroneous assessment .....	\$ 6 67
Arthur E. and Wanja J. M. Teiner, refund on account of erroneous assessment .....	7 71
	<hr/>
	\$14 38

**City Collector—Sewer Assessment**

Paid:

Peter J. Crowley, refund on account of erroneous assessment .....	\$36 46
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**City Collector—Taxes**

Paid:

W. L. Enos, refund on tax.....	\$ 2 26
Isabel S. Medeiros, to rectify error on 1919 tax	14 70
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	\$16 96

**High Schoolhouse Addition**

Paid:

Royal Typewriter Co., typewriters.....	\$1,260 00
Underwood Typewriter Co., typewriters.....	700 00
Edw. E. Babb & Co., portable blackboard....	16 20
	<hr/>
	\$1,976 20

**Hancock Avenue Schoolhouse**

## Paid:

W. W. Campbell & Sons Co., settlement of claim for balance due on Hancock School	\$763 05
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**Decoration and Care of Soldiers' and Firemen's Graves**

## Paid:

Camp 30, Spanish War Veterans.....	\$263 20
Post 66, G. A. R.....	400 00
John Smith, Treasurer, for Firemen's graves..	50 00
Medford Flower & Gift Shop, flags and wreaths	65 00
	\$778 20

**Interest**

## Paid:

Commonwealth of Massachusetts, on registered bonds .....	\$ 1,640 00
Claudia Bilodeau, amount paid on sewer assess- ments .....	2 63
Florence I. Twombly, amount paid on sewer as- sessment .....	1 32
Wm. A. & Margaret Colleran, amount paid on sewer connection assessment.....	33
Mrs. Catherine A. Gately, amount paid on street watering assessment.....	15
Edw. W. Hayes, Coll., on account Wm. Wil- liams .....	77
Harold W. Blakely, refund of interest.....	08
Arthur E. & Wanja J. M. Teiner, amount paid on sewer connection assessment.....	75
Peter J. Crowley, amount paid on sewer assess- ment .....	75

EXPENDITURES

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*On Notes in Anticipation of Revenue, as follows:*

F. S. Moseley & Co., on \$50,000, 297 days at 4.18; on \$50,000, 304 days at 4.18..	\$3,489 13
Blake Bros. & Co., on \$50,000, 264 days at 4.23; on \$50,000, 279 days at 4.23; on \$50,000, 283 days at 4.42; on \$50,000, 311 days at 4.42; on \$100,000, 349 days at 4.24.....	10,947 06
Solomon Bros. & Hutzler, on \$50,000, 254 days at 4.64; on \$50,000, 281 days at 4.64; on \$50,000, 344 days at 4.39; on \$50,000, 313 days at 4.39.....	7,447 56
S. N. Bond & Co., on \$100,000, 339 days at 5.....	4,708 33
Coupons .....	72,998 75
	<hr/>
	\$101,237 61

**Interest on the Water Debt**

Paid:

Coupons .....	\$5,060 00
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**Income from Trust Funds**

Paid:

Sundry Persons, as per payroll, income from Bradbury Fund for one year.....	\$ 512 03
Sundry Persons, as per payroll, income from Seccomb Fund for one year.....	261 00
Sundry Persons, as per payroll, income from Simonds Fund for one year.....	58 50
Public Library Department, income from Osgood, Tufts & Munroe Funds for one year	135 42

## REPORT OF CITY AUDITOR

## Protestant Churches of Medford, on \$5,000.00

Hall Church Fund, income for one year,  
divided as follows:

Baptist Church, 675 members.....	\$ 68 40
Episcopal Church, 370 members.....	37 50
Methodist Church, 365 members.....	37 00
Mystic Church, 417 members.....	42 25
Unitarian Church, 232 members.....	23 50
Universalist Church, 161 members....	16 35

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\$1,191 95

## Insurance

Paid:

Edw. M. Peters & Co., premiums.....	\$ 465 52
Hinekley & Woods, premiums.....	4,134 17
Travelers Insurance Co., premiums.....	7,798 31
John C. Paige & Co., premiums.....	349 89
W. Arthur Lincoln, premiums.....	432 00

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\$13,179 89

## Middlesex County Tax

Paid:

J. O. Hayden, County Treasurer, tax 1919....	\$40,011 68
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## Metropolitan Park Tax

Paid:

Commonwealth of Massachusetts:

Metropolitan Park Loan Sinking Fund...	\$ 957 70
Interest on.....	5,202 38
Cost of Maintenance.....	12,075 92
Serial Bonds.....	490 97
Nantasket Maintenance.....	642 10
Wellington Bridge Maintenance.....	37 26

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\$19,406 33



**Metropolitan Sewer Tax**

Paid:

## Commonwealth of Massachusetts:

Metropolitan Sewerage Loan Sinking Fund	\$ 6,756 64
Interest on.....	12,558 31
Cost of Maintenance.....	13,025 70
Serial Bonds:.....	1,293 60
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	\$33,634 25

**Wellington Bridge Assessment**

Paid:

## Commonwealth of Massachusetts:

Serial Bonds.....	\$ 1,840 00
Interest .....	478 40
Maintenance (Chap. 295, Acts 1916).....	2,619 17
	<hr/>
	\$4,937 57

**Metropolitan Water Tax**

Paid:

## Commonwealth of Massachusetts:

Metropolitan Water Loan Sinking Fund..	\$ 4,441 64
Interest on.....	25,275 55
Cost of Maintenance.....	10,881 18
Serial Bonds.....	728 52
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	\$41,326 89

**Board of Survey**

## Paid:

Adams, Cushing & Roster, stationery supplies.	\$ 3 25
Medford Pub. Co., advertising.....	18 00
Welch's Express, expressing.....	37
Medford Messenger, advertising.....	8 00
Wards, account book.....	6 00
Medford Engineering Department, labor.....	6 18
E. B. Thorndike & Son, printing.....	18 50
J. C. Miller, Jr., printing.....	8 75
W. N. Campbell, card files.....	17 10
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	\$86 15

**Miscellaneous Account**

## Paid:

Margaret I. Tobin, salary as Mayor's stenographer and clerk.....	\$1,073 92
Benjamin F. Haines, cash paid for keys.....	75
Alice Day, typewriting.....	1 50
Esther Reynolds, typewriting.....	7 50
Hattie Wells, clerical work.....	12 00
Medford Post Office, postage stamps.....	143 00
Dyer's Orchestra, services at inauguration....	35 00
Medford Pub. Co., printing, advertising, etc..	466 70
L. H. & F. W. Lovering, carpentry .....	60 33
Mary O'Donnell, typewriting.....	108 00
C. H. Tinkham, photo work.....	8 50
W. J. McClellan, teaming seats.....	65 00
F. O. Waterman, services at Armory.....	15 00
Medford Messenger, advertising, etc.....	10 20
Medford Flower & Gift Shop, flowers.....	26 00
Medford Purchasing Dept., carbon paper.....	5 00
N. E. Tel. & Tel. Co., rental and tolls.....	216 89
Lane's Cafe, coffee and sandwiches.....	13 90

EXPENDITURES

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Webber B. Haines, services.....	\$ 9 00
Elsie MacKenzie, stenography.....	36 00
Dorothea Cunningham, clerical work...:.....	15 00
Mary Reagan, clerical work.....	26 00
Peter F. Lenox, rent of Pound.....	25 00
M. Alice Bearse, typewriting.....	7 75
Kenyon & Suits, chair seats re-covered.....	42 00
Edwin C. Lewis, repairing phone.....	11 76
Matthew Bender & Co., book.....	10 50
Remington Typewriter Co., rental.....	25 00
Security Safe Deposit Co., rent of safe.....	60 00
Malden Ice Cream Co., catering at inauguration	200 00
John T. Dixon, repairing.....	3 50
N. E. Decorating Co., decorating Armory....	30 00
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	\$2,770 70

Miscellaneous Credits

Paid:

Commonwealth of Massachusetts, adjustment of 1918 Bank tax.....	\$532 65
A. N. Ward, burial.....	50 00
Francis M. Wilson, burial.....	50 00
Frederick N. Beals, burials.....	100 00
Harold W. Blakely, refund of summons, etc...	45
George E. Holbrook, burial.....	60 00
Camp 30, Spanish War Veterans, one-half cost of parade flag.....	25 00
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	\$818 10

Notes in Anticipation of Revenue

Paid:

Nos. 367 to 371 inc., due Jan. 15, 1919.....	\$ 50,000 00
Nos. 372 to 376 inc., due Feb. 14, 1919.....	50,000 00

Nos 377 to 381, inc., due Mar. 14, 1919.....	\$50,000 00
Nos. 407, 408 & 409, due Apr. 8, 1919.....	12,000 00
Nos. 382 to 386 inc., due Apr. 14, 1919.....	50,000 00
Nos. 387 to 391 inc., due May 14, 1919.....	50,000 00
Nos. 392 to 396 inc., due June 6, 1919.....	50,000 00
Nos. 397 to 401 inc., due July 3, 1919.....	50,000 00
Nos. 402 to 406 inc., due Aug. 2, 1919.....	50,000 00
Nos. 410 to 414 inc., due Nov. 7, 1919.....	50,000 00
Nos. 415 to 419 inc., due Nov. 14, 1919.....	50,000 00
Nos. 420 to 424 inc., due Nov. 25, 1919.....	50,000 00
Nos. 425 to 429 inc., due Dec. 10, 1919.....	50,000 00
Nos. 430 to 434 inc., due Dec. 19, 1919.....	50,000 00
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	\$662,000 00

#### Overlay and Abatement—1917

Paid:	
Edw. W. Hayes, Coll., on account Robert J. Jones, erroneous assessment, abated.....	\$ 6 42
Stanley Baker, abatement of poll tax.....	2 00
Russell G. Randall, abatement of poll tax.....	2 00
Merwin MacFarlane, abatement of poll tax....	2 00
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	\$12 42

#### Overlay and Abatement—1918

Paid:	
George M. Mathews, abatement of poll tax.....	\$ 2 00
Norman R. Forbes, abatement of poll tax.....	2 00
Eddy F. Swan, abatement of poll tax.....	2 00
Arthur H. Robbins, abatement of poll tax....	2 00
Harold W. Blakeley, abatement of poll tax....	2 00
Fred W. Youngman, abatement of poll tax....	2 00
Benj. F. Samson, abatement of poll tax.....	2 00
John F. Pierce, abatement of poll tax.....	2 00
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	\$16 00

**Overlay and Abatement—1919**

## Paid:

Roy J. Read, abatement of poll tax.....	\$ 2 00
Edmund D. Lafreniere, abatement of poll tax..	2 00
George M. Matthews, abatement of poll tax....	2 00
Roy S. Campbell, abatement of poll tax.....	2 00
Norman R. Forbes, abatement of poll tax.....	2 00
Louis Cavagnaro, father of Frank, abatement of poll tax .....	2 00
Erford C. Kemp, abatement of poll tax .....	2 00
James Alfred Jeffress, abatement of poll tax....	2 00
Lester W. Newhouse, abatement of poll tax....	2 00
Arthur H. Robbins, abatement of poll tax.....	2 00
Helmer W. Nystrom, abatement of personal tax	8 82
James B. Meehan, abatement of poll tax.....	2 00
Philip P. Bemis, abatement of poll tax.....	2 00
Walter E. Abbott, abatement of poll tax.....	2 00
Angus R. Gillis, abatement of poll tax.....	2 00
Chester J. Sylvester, abatement of poll tax....	2 00
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	\$38 82

**Osgood Schoolhouse**

## Paid:

American Seating Co., chair desks.....	\$111 60
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**Perpetual Care Fund**

## Paid:

Commissioners of Sinking Funds, amount re- ceived by the City on account of the Per- petual Care Fund, from Jan. 1 to Dec. 31, 1919 .....	\$1,917 50
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## REPORT OF CITY AUDITOR

**Rent of G. A. R. Hall**

Paid:

E. B. Moore, Agent.....	\$400 00
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**Sinking Funds**

Paid:

Medford Commissioners of Sinking Funds, amount appropriated for 1919.....	\$10,500 00
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**Soldiers' Relief**

Paid:

Sundry Persons, cash allowance .....	\$ 416 00
Sundry Persons, as per pay rolls.....	3,893 96
	<hr/>
	\$4,309 96

**South Medford Schoolhouse**

Paid:

Brooks-Skinner Co., first payment under agree- ment .....	\$1,000 00
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**Celebration of July 4th**

Paid:

John E. Dyer, services of band.....	\$130 00
Medford Highway Dept., trucking band stand..	20 00
	<hr/>
	.\$150 00

## Payment of City Debt

Paid:

School of 1912 Bonds, due Jan., 1919, Nos. 146 to 150 inc.....	\$ 5,000 00
City Hall Bonds, due Jan., 1919, Nos. 21 to 30 inc. ....	10,000 00
High School Addition Bond, due Jan., 1919, No. 10.....	250 00
Sewerage Bond, due Feb. 1, 1919, No. 56.....	500 00
Water Fund Bonds, due Jan., 1919, Nos. 82, 83 & 84 .....	3,000 00
High School Addition Bond, due Jan., 1919, No. 9 .....	1,000 00
School of 1911 Bonds, due Sept., 1918, Nos. 27 & 28 .....	2,000 00
Surface Drainage Bond, due Mar., 1919, No. 3..	500 00
Public Building Bonds, due Mar., 1919.....	30,000 00
Osgood Schoolhouse Bonds, due Mar., 1919, Nos. 5 & 6.....	1,500 00
Public Building Bonds, due Mar., 1919.....	3,000 00
Fire Loan Bonds, due Apr., 1919, Nos. 3 & 4..	2,000 00
Streets Loan Bonds, due Mar., 1919, Nos. 7, 8 & 9 .....	2,900 00
Original Construction of Streets Bonds, due Apr., 1919, Nos. 1 to 4 inc.....	3,500 00
War Emergency Bonds, due Apr., 1919, Nos. 1 & 2 .....	1,500 00
Public Building Bond, due Mar., 1919, No. 343..	1,000 00
Original Construction of Streets Note, due May, 1919, No. 5.....	600 00
Notes due May 1, 1919, Nos. 68, 78 to 82 & 120..	13,000 00
Playground Bonds, due May 15, 1919, Nos. 93, 94 .....	2,000 00
Sewerage Loan Bonds, due June 1, 1919, Nos. 1 & 133 .....	1,000 00
Sewer Bond, due June, 1919, No. 1.....	500 00

Osgood Schoolhouse Bond, due June, 1919, No. 2 .....	\$ 500 00
Hancock Avenue Schoolhouse Bonds, due June, 1919 .....	3,000 00
High School Equipment Note, due June, 1919, No. 5 .....	500 00
Sidewalk Bonds, due June, 1919, Nos. 1 to 4 inc. ....	4,000 00
Forest Street Bond, due June, 1919, No. 4.....	1,200 00
Permanent Pavement Bond, due June, 1919, No. 1 .....	500 00
Original Equipment Bond, due June, 1919, No. 1 .....	1,000 00
War Loan Bonds, due June, 1919, Nos. 3 and 4..	1,500 00
Notes due July 1, 1919, Nos. 91 to 94, inc.....	4,000 00
Public Building Bond, due Mar., 1919, No. 349.	1,000 00
Playground Bond, due July, 1919, No. 109....	200 00
School of 1912 Bonds, due July, 1919, Nos. 107 & 31 to 35.....	6,000 00
Junior High School Bonds, due July, 1919, Nos. 15 to 21.....	6,250 00
High School Equipment Bond, due July, 1919, No. 9 .....	1,000 00
Surface Drainage Bonds, due July, 1919, Nos. 7 & 15.....	2,000 00
Hancock Avenue Schoolhouse Bond, due July, 1919, No. 3.....	250 00
Fire Station Bond, due July, 1919, No. 7.....	600 00
Departmental Equipment Bonds, due July, 1919, Nos. 13 to 15.....	2,700 00
Original Construction of Streets Bonds, due July, 1919, Nos. 9 & 10.....	1,700 00
Fulton Heights School Bond, due July, 1919, No. 4 .....	500 00
Departmental Equipment 1917 Bonds, due July, 1919, Nos. 5 & 6.....	1,700 00
Streets & Drains 1917 Bonds, due July, 1919, Nos. 6 to 9 inc.....	4,000 00



## EXPENDITURES

53

High School Original Equipment Bond, due July, 1919, No. 10.....	\$ 500 00
Streets & Drains Bond, due July 1, 1919, No. 10.	500 00
Old Colony Trust Co., preparation and certification, insurance and postage.....	1,225 64
Playground Bond, due May 15, 1919, No. 95....	500 00
Sewerage Bonds, due Aug., 1919, Nos. 165 to 184 inc. ....	20,000 00
Sidewalks Bonds, due Aug., 1919, Nos. 8 to 12 inc. ....	5,000 00
Original Construction of Streets Bond, due Aug., 1919, No. 2.....	1,000 00
Public Playground Bonds, due Aug., 1919, Nos. 43 & 44.....	1,500 00
Drainage Bond, due Aug. 3, 1919, No. 3.....	500 00
Additional Departmental Equipment Bonds, due Aug., 1919, Nos. 22 to 24.....	3,000 00
Sidewalks Notes, due Aug., 1919, Nos. 15 to 21 inc. ....	7,000 00
Sidewalks Bond, due Aug., 1919, No. 7.....	1,000 00
Sidewalks & Edgestone Bond, due Aug., 1919, No. 8 .....	1,000 00
Police Department Equipment Bond, due Aug. 5, 1919, No. 3.....	1,000 00
Playground Equipment Bond, due Aug. 10, 1919, No. 3.....	500 00
Notes due Sept. 1, 1919, Nos. 95 & 96.....	4,200 00
Sewerage Bond, due Sept., 1919, No. 37.....	500 00
High School Addition Bond, due Sept., 1919, No. 45.....	1,000 00
School of 1911 Bonds, due Sept., 1919, Nos. 29 to 32 inc.....	4,000 00
Hancock Avenue School Bond, due Sept., 1919, No. A 4.....	250 00
Streets Construction Bond, due Sept., 1919, No. 3 .....	1,000 00

Sidewalks Bonds, due Sept., 1919, Nos. 9, 10, 11, 17 & 18 .....	\$ 5,000 00
Water Fund Bonds, due Oct., 1919, Nos. 126 to 150 .....	25,000 00
Notes due Oct., 1919, Nos. 97 & 98.....	4,000 00
Junior High School Bonds, due Oct., 1919, Nos. 1 & 2, 9 to 12.....	5,300 00
Highway Departmental Equipment Bonds, due Oct., 1919, Nos. 7 & 8.....	1,800 00
Departmental Equipment Bond, due Oct., 1919, No. 4 .....	700 00
Junior High School Bond, due Oct., 1919, No. 3	500 00
Hancock Avenue School Bond, due Oct., 1919, No. 3 .....	500 00
Sidewalk Bond, due Oct., 1919, No. 4.....	400 00
Forest Street Bond, due Nov., 1919, No. 9.....	1,400 00
Sewerage Bond, due Nov., 1919, No. 76.....	500 00
Notes due Dec., 1919, Nos. 99, 100 & 101.....	16,500 00
Farragut Avenue & Cherry St., Sidewalks Note due Dec., 1919, No. 5.....	500 00
Fire Bond, due Dec., 1919, No. 2.....	500 00
Extreme Emergency Bond, due Dec., 1919, No. 4	500 00
War Emergency Bond, due Dec., 1919, No. 2...	1,000 00
Surface Drainage Bond, due Dec., 1919, No. 4..	500 00
Surface Drains Bond, due Dec., 1919, No. 2....	500 00
Municipal 1913 Bonds, due Dec., 1919, Nos. 30 to 34 inc.....	5,000 00
Wellington Road Note, due Dec., 1919, No. 5....	500 00
Sewerage Bond, due Dec. 1, 1919, No. 105.....	500 00
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	\$255,125 64

### State Tax

Paid:

Commonwealth of Massachusetts:

State Tax for 1919..... \$77,880 00

EXPENDITURES

55

**Special State War Tax**

Paid:

Commonwealth of Massachusetts:	
Tax for 1919 (Chap. 346, Acts 1919) . . . . .	\$4,672 80

**State Highway Tax**

Paid:

Commonwealth of Massachusetts:	
Tax for 1919 . . . . .	\$228 56

**State Fire Prevention Tax**

Paid:

Commonwealth of Massachusetts:	
Tax for 1919 . . . . .	\$517 82

**Schoolhouse (Portable)**

Paid:

L. H. & F. W. Lovering, carpentry . . . . .	\$ 554 15
E. F. Hodgson Co., portable schoolhouses . . . . .	7,375 00
Boston & Maine R. R., freight . . . . .	17 45
Hercules Iron & Supply Co., supplies for plumbing and heating . . . . .	237 68
L. E. Fitzpatrick & Co., labor . . . . .	230 43
C. H. Tinkham, clocks . . . . .	55 70
American Seating Co., chair desks . . . . .	881 05
Kenney Bros. & Wolkins, school furniture . . . . .	395 85
	\$9,747 31

**Salaries**

One Year to Jan. 1, 1920.

Paid:

Benjamin F. Haines, Mayor . . . . .	\$2,500 00
Richard L. Baldwin, Mayor's Clerk . . . . .	200 00

Arthur E. Crowley, City Messenger.....	\$1,600 00
Edward W. Barrett, City Physician.....	400 00
Charles T. Daly, Clerk of Committees.....	600 00
Harrie W. Peirce, Inspector of Animals.....	100 00
John J. Conway, Chair. Registrars of Voters..	175 00
Charles A. Winslow, Clerk of Registrars.....	175 00
John J. Fitzpatrick, Registrar of Voters.....	150 00
George F. Cotting, Registrar of Voters.....	150 00
Everard I. Langell, Treasurer of Sinking Fund	450 00
Charles A. Winslow, State Aid Agent.....	600 00
Willard Dalrymple, Secretary of Commission- ers of Sinking Funds.....	50 00
Peter F. Lenox, Pound Keeper.....	50 00
	<hr/>
	\$7,200 00
Amount transferred to Salary of City Solicitor	375 00
	<hr/>
	\$7,575 00

### Swan Junior High Schoolhouse

#### Paid:

Chandler & Barber Co., tools.....	\$ 411 75
Royal Typewriter Co., typewriters.....	2,100 00
Sinclair Hardware Co., screws.....	2 02
Heywood Bros. & Wakefield Co., school furni- ture .....	756 90
E. H. Sheldon Co., tables for sewing classes, manual training fittings.....	451 82
Graham & Streeter, kitchen ware.....	226 03
Chickering & Sons, piano.....	445 00
W. J. McClellan, expressing.....	2 00
Singer Sewing Machine Co., sewing machine....	48 72
Boston & Maine R. R., freight.....	102 12
L. G. Tyler, carpentry.....	29 00
Globe-Wernicke Co., cases.....	2 16
W. S. Kaulback, gas range.....	42 00



David Anderson, keys, repairing lock.....	\$	7	25
H. F. Staples & Co., wax oil, polish.....		25	50
Cradock Garage, rent of car.....		95	25
W. B. Emery, repairing chairs.....		15	54
Geo. H. Janes, Jr., electrical work and supplies		193	79
Cornelius Kelly, revolver.....		8	00
R. G. Fraser, ribbon.....			25
W. E. Gerry, ribbon.....			58
C. H. Tinkham, labor on clock.....			75
P. Reynolds, cheese cloth.....		25	00
W. J. McClellan, expressing.....		48	00
Boston & Maine R. R., freight.....		3	99
Welch's Express, expressing.....			54
John H. Byron, building vaults.....		345	00
J. E. Sweeny, carpentry.....		159	60
W. C. Miles Co., pole.....		5	00
Louis J. Condon, lettering windows, doors....		58	00
S. V. Strachan, taxi service.....		24	50
N. E. Towel Supply Co., towel service.....		118	30
Kenyon & Suits, chair seats repaired.....		15	75
Gulf Refining Co., kerosene.....		36	30
Stone & Forsyth Co., paper cups, etc.....		55	00
Warren Carpet Cleaning Co., cleaning rugs....		1	70
Adams, Cushing & Foster, stationery supplies..		23	40
F. W. Norris Co., Agents, rent for offices.....		4,386	97
Oliver Whyte Co., Inc., grills, labor.....		101	20
C. B. Dolge Co., disinfectants.....		60	59
Carter's Ink Co., ink.....		4	40
Remington Typewriter Co., typewriter, ribbon..		90	75
H. I. Dallman Co., brushes, dusters.....		21	60
J. G. Johnston Co., police badges .....		5	50
Western Electric Co., electric bulbs.....		37	74
Maynard & Duncan, keys.....		9	00
W. N. Campbell, bookcase.....		32	30
Boston Regalia Co., sign.....		6	50
H. A. Dunshee, chairs.....		14	14
Iver Johnson Sporting Goods Co., cartridges....		1	29

EXPENDITURES

59

Wards, stationery .....	\$	2 40
L. J. Peabody, reclining chair.....		3 00
C. Bowen, moving safe.....		12 00
West Disinfecting Co., sprayene.....		8 75
Heywood Bros. & Wakefield Co., springs.....		3 68
		<hr/>
		\$9,620 11

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ASSESSING DEPARTMENT

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Salaries of Assessors

One year to Jan. 1, 1920.

Paid:

Edward S. Randall, chairman.....	\$2,000 00
Frederick F. Hockaday.....	900 00
John A. Ricker.....	900 00
	<hr/>
	\$3,800 00

Assessors' Expenses

Paid:

Clerk and assistants, as per pay rolls.....	\$4,453 75
N. E. Tel. & Tel. Co., rental and tolls.....	35 48
Medford Publishing Co., printing.....	576 10
J. C. Miller, Jr., printing, binders.....	76 00
Helen T. Wild, fares, postage stamps.....	35 15
Linton B. Sanderson, posting notices.....	2 00
Frederick F. Hockaday, use of automobile....	36 00
E. B. Thorndike & Son, printing.....	2 75
Clark's Service Station, use of automobile.....	45 00
Medford Messenger, advertising, etc.....	26 87

## REPORT OF CITY AUDITOR

Sinclair Hardware Co., electric fan.....	\$ 26 10
Medford Purchasing Department, paste.....	1 26
American Express Co., freight.....	3 10
Welch's Express, freight.....	1 58
Adams, Cushing & Foster, books, sundries....	213 08
Art Metal Construction Co., files, guides.....	55 44
A. W. Brownell, printing.....	12 25
Auto List Publishing Co., card list.....	20 00
L. L. Applin, transfer numbers.....	13 04
L. J. Peabody, book rest.....	7 00
Model Typewriter Inspection Co., in exchange..	20 00
Sampson & Murdock, directory.....	6 00
Western Electric Co., desk lamps.....	20 70
Banker & Tradesman, subscription.....	5 00
Geo. H. Janes, Jr., electrical work.....	6 35
	<hr/>
	\$5,700 00

## Assessors' Plans

Paid:

Medford Engineering Dept., labor on plans....	\$1,499 67
Ledder & Probst, tracing cloth.....	42 23
J. C. Miller, Jr., binders.....	76 00
	<hr/>
	\$1,617 90

## AUDITING DEPARTMENT

## Salary of City Auditor

One year to Jan. 1, 1920.

Paid:

George D. Cummings.....	\$2,000 00
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EXPENDITURES

61

**Auditing Department Expenses**

Paid:

N. E. Tel. & Tel. Co., rental.....	\$ 25 68
J. C. Miller, Jr., printing and stock.....	249 50
Elsie E. Caughlan, salary as clerk.....	1,045 00
Mary A. Desmond, clerical work.....	137 73
Herbert F. Dowell, services.....	115 00
Edw. W. Hayes, Coll., amount deducted from bill No. 3217 in favor of Herbert F. Dowell and returned to treasury.....	5 00
Medford Post Office, postage stamps.....	20 00
Lillian M. Sheldon, reading proof.....	1 60
C. H. Tinkham, clock.....	9 50
Dennison Mfg. Co., tape.....	45
Adams, Cushing & Foster, books, stationery sup- plies .....	13 40
John Taylor Dixon, repairing numbering ma- chines .....	6 30
	<hr/>
	\$1,629 16

**Printing Reports**

Paid:

Medford Publishing Co., printing books.....	\$494 50
Frederick Eeles Co., binding.....	23 40
Lillian M. Sheldon, reading proof.....	2 60
Savage's Express Co., expressing.....	74
Elsie E. Caughlan, supervising publication of annual reports.....	50 00
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	\$571 24

## REPORT OF CITY AUDITOR

## CEMETERY DEPARTMENT

## Salaries of Trustees of Cemeteries

One year to Jan. 1, 1920.

## Paid:

Ellery A. Armstrong, chairman.....	\$100 00
Fred W. Rauskolb.....	50 00
Selah H. Thurber.....	50 00
	<hr/>
	\$200 00

## Care of Cross and Salem St. Cemeteries

## Paid:

Workmen, as per pay rolls.....	\$ 96 01
J. E. Sweeny, repairing fence.....	36 00
Geo. W. Blanchard & Co., lumber.....	57 79
	<hr/>
	\$189 80

## Care of Oak Grove Cemetery

## Paid:

Superintendent and workmen, as per pay rolls.	\$10,009 18
N. E. Tel. & Tel Co., rental and tolls.....	60 64
Edward W. Mitchell, salary.....	32 88
Edward W. Mitchell, cash paid for auto registration, stamps, light, carfares.....	71 92
Malden Electric Co., light.....	6 58
M. & M. Gas Light Co., light.....	4 68
Medford Water Division, labor, materials.....	14 02
Boston & Maine R. R., freight.....	20 85
Welch's Express Co., expressing.....	1 05
American Express Co., expressing.....	1 89
H. F. Walker, tip cart, wagon body, shoeing, repairing .....	243 20

## EXPENDITURES

63

Medford Purchasing Department, carbon paper	\$	2	50
Locke Coal Co., coal.....		101	82
J. C. Miller, Jr., book, printing.....		53	65
C. M. Lockwood, harness.....		20	00
Sinclair Hardware Co., fertilizer, tools, hardware, paint, mowers, insecticide.....		1,713	56
Anthony Zacher, tires, tubes, repairs.....		338	25
Edward A. Badger, Treasurer, part of deficit of Allston P. Joyce .....		156	25
C. H. Hartshorn, harness repairs, supplies....		10	10
John W. Enright, drugs.....		34	44
Samuel Dinsmore, shoeing.....		4	10
W. C. Miles Co., stakes.....		10	00
Louis J. Condon, painting sign.....		4	75
J. O. Goodwin & Co., insurance.....		11	28
Medford Publishing Co., printing, advertising..		4	75
W. A. Whitney, drugs.....		3	90
J. E. Sweeny, stock and labor.....		42	10
Medford Messenger, advertising.....		4	85
Medford Engineering Department, labor.....		22	44
Frank T. Hook, on contract for fountain basin..		1,448	00
Frank T. Hook, cement.....		9	60
Albert Mosher, leather goods, repairs.....		70	50
Willey & Ahern, drugs.....		3	00
Ralph E. Peak, blocks.....			96
E. B. Thorndike & Son, signs.....		5	25
Franklin Motor Car Co., parts, supplies, labor.		293	57
W. Oliver Craig, desk, chairs.....		25	00
W. Arthur Lincoln, insurance.....		85	45
Geo. W. Blanchard & Co., lumber.....		9	12
Dimond Union Stamp Works, repairing.....		3	00
J. C. Keith, Stevens & Sweet Horse Co., harness		80	00
Gulf Refining Co., gasoline.....		131	33
Wards, desk pad.....		1	90
Park & Cemetery, subscription.....		2	00
Wm. H. Hitchings, professional services.....		9	00
Oliver Typewriter Co., typewriter.....		51	30

Dutton's Roxbury Store, wheel barrow, gauze.	\$	9 00
McKinney Bros., horse.....		350 00
J. Cushing & Co., grain, straw.....		204 88
Geo. W. McNear, auto repairs, painting.....		210 00
John H. Pray & Sons Co., linoleum, labor.....		113 88
Winchester Rock & Brick Corp., crushed stone..		107 23
Clinton Concrete Co., cement markers.....		61 20
Benj. W. Pike, harness parts.....		27 25
West Side Nurseries, plants.....		90 00
Joseph Breck & Sons, seeds, repairs.....		69 98
T. Quigley, Jr., cleaning vaults.....		12 00
C. B. Dolge Co., disinfectants.....		79 80
North Packing & Provision Co., cinders.....		8 00
E. M. Ports, repairing mower.....		2 00
E. D. Kaulback & Son, plants.....		227 80
H. L. Cameron, plants.....		220 38
Crown Window Shade Co., shades.....		12 81
Norton & Co., shovels.....		45 25
Tide Water Oil Sales Corp., gasolene.....		32 90
Francis Doane & Co., stationery supplies.....		3 00
Glendale Coal Co., coal.....		86 93
Puritan Iron Works, stall floors, hinges.....		21 25
C. W. H. Moulton Co., repairing ladder.....		12 00
Standard Oil Co., naphtha.....		18 00
		<hr/>
		\$17,260 15

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### CITY CLERK'S DEPARTMENT

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#### Salary of City Clerk

One year to Jan. 1, 1920.

Paid:

Charles A. Winslow.....	\$2,000 00
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**City Clerk's Department Expenses**

Paid:

Clerks, as per pay rolls.....	\$2,029 00
N. E. Tel. & Tel. Co., rental and tolls.....	101 68
Charles A. Winslow, cash paid for bulletin, re- cording, stamps, sundries.....	69 27
Geo. H. Janes, Jr., labor, supplies.....	5 40
J. C. Miller, Jr., envelopes, printing, binding..	337 60
Sinclair Hardware Co., turpentine.....	22
Medford Publishing Co., subscription, printing, advertising .....	31 00
H. A. Dunshee, office furniture.....	7 79
Geo. M. Weston, posting.....	9 00
Medford Purchasing Department, paste.....	2 50
Medford Post Office, box rental.....	3 00
E. B. Thorndike & Son, printing.....	33 75
Medford Messenger, advertising hearings.....	16 67
American Express Co., expressing.....	77
Proudfit Loose Leaf Co., binders.....	69 03
Adams, Cushing & Foster, index, sundries.....	15 98
L. J. Peabody, table, chair.....	37 50
Wards, paper, cards, tape, printing.....	66 35
Barker-Page Co., repairing, carbon, etc.....	82 23
Geo. E. Crosby Co., printing, etc.....	24 00
Wm. N. Campbell, bookcase, filing sections....	121 50
John T. Dixon, dating stamps.....	1 05
Sampson & Murdock Co., directory.....	6 00
F. W. Barry, Beale & Co., book.....	2 75
H. B. McArdle, blotters.....	60
Neostyle Sales Agency, stencil, paste.....	16 40
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	\$3,091 04

**Reporting and Recording Births and Deaths**

Paid:

Clerical work, as per pay rolls.....	\$439 00
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Mabel A. Joyce, canvassing, clerical work....	\$167 00
George M. Weston, canvassing.....	76 80
J. C. Miller, Jr., envelopes, printing.....	114 20
J. C. D. Clark, M. D., reporting births 1918....	50
Mary W. Clark, M. D., reporting births 1918..	6 75
Edw. W. Barrett, M. D., reporting births 1918..	6 50
N. F. Chandler, M. D., reporting births 1918....	3 50
Walter T. Burke, M. D., reporting births 1918..	17 00
P. F. Gahan, M. D., reporting births 1918.....	32 00
Geo. W. Mills, M. D., reporting births 1918....	4 25
Wm. G. Brousseau, M. D., reporting birth 1919	25
Wm. W. Hartwell, M. D., reporting births 1918	1 25
C. T. Weeks, M. D., reporting birth 1919.....	25
C. D. McCarthy, M. D., reporting birth 1919..	25
M. E. Cummings, M. D., reporting birth 1919..	25
L. H. Pote, M. D., reporting birth 1919.....	25
J. W. Lawrence, M. D., reporting birth 1919..	25
Roy D. Young, M. D., reporting birth 1919....	25
Edw. J. Gaffey, reporting deaths 1918.....	19 75
Frederick N. Beals, reporting deaths 1918.....	28 25
George E. Holbrook, reporting deaths 1918....	10 50
G. F. McKenna & Son, reporting deaths 1918..	2 00
Edw. E. Burns, reporting deaths 1918.....	1 50
J. E. Henderson & Co., reporting deaths 1918..	2 00
John Bryants' Sons, reporting deaths 1918....	6 50
J. Henry Hartwell & Son, reporting deaths 1918	1 75
Francis M. Wilson, reporting deaths 1918.....	3 50
Wards, paper, book.....	38 00
John T. Dixon, hand stamps.....	11 20
Miss M. A. Allen, multigraphing.....	3 16
	<hr/>
	\$998 61

### Election Expenses

Paid:

Election officers, and clerical work, as per pay-rolls .....	\$1,823 75
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## EXPENDITURES

67

F. H. Walker, janitor service at polls.....	\$ 7 50
Geo. S. Lambert, janitor service at polls.....	7 50
B. F. Samson, janitor service at polls.....	7 50
J. F. O'Neill, janitor service at polls.....	7 50
Paul Bickford, janitor service at polls.....	10 00
Medford Messenger, printing.....	46 25
Malden Electric Co., light.....	5 65
Lane's Cafe, breakfasts for policemen, collation for election officers.....	50 60
Dudley Garage, taxi service.....	17 00
Wm. E. Ober, electrical supplies.....	2 55
Mabel A. Joyce, clerical work.....	45 00
J. C. Miller, Jr., envelopes, printing.....	904 25
E. B. Thorndike & Son, printing.....	7 25
Fred A. Komlosy, lettering.....	6 50
E. J. Hervey, candles.....	13 30
Sinclair Hardware Co., electric bulbs, tacks....	13 90
Cradock Garage, taxi service.....	6 00
J. E. Sweeny, carpentry.....	206 50
W. J. McClellan, expressing.....	18 00
Medford Publishing Co., advertising.....	45 00
Hillside Men's Club, rent of hall.....	45 00
Wards, stationery supplies.....	24 25
Neostyle Sales Agency, duplicating machine, supplies .....	101 00
Commonwealth of Massachusetts, counting boards .....	50 00
Edward K. Tolman, ballot boxes.....	100 00
W. N. Campbell, cards, filing sections.....	156 75
Granville J. Daniels, repairing ballot boxes....	20 00
Adams, Cushing & Foster, pencils, pens.....	4 90
Cotton & Gould, crayons.....	3 00
	<hr/>
	\$3,756 40

**Printing and Advertising Ordinances**

Paid:

Medford Publishing Co., advertising.. . . . .	\$53 25
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**Printing and Revising Ordinances**

Paid:

Legal services and clerks as per pay rolls....	\$ 986 50
Barker-Page Co., rent of typewriter.....	25 00
Neostyle Sales Agency, supplies.....	1 50
Wards, stationery.....	59 60
Medford Publishing Co., binding.....	3 00
J. C. Miller, Jr., printing.....	6 15
Welch's Express, expressing.....	27
M. Riddell Co., multigraphing, etc.....	17 00
	\$1,099 02

**State Aid**

Paid:

Sundry Persons, as per pay rolls.....	\$13,639 68
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**COLLECTING DEPARTMENT****Salary of City Collector**

One year to Jan. 1, 1920.

Paid:

Edward W. Hayes.....	\$2,000 00
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**Collecting Department Expenses****Paid:**

Clerks, as per pay rolls.....	\$3,688 16
N. E. Tel. & Tel. Co., rental and tolls.....	65 64
Medford Publishing Co., printing, advertising..	1,093 25
Edward W. Hayes, Coll., carfares, stamps, re- cording, box rent, sundries.....	881 19
Albert H. Tainter, serving warrants.....	6 00
Medford Purchasing Department, paste.....	63
E. B. Thorndike & Son, printing.....	18 50
American Express Co., expressing.....	81
Wards, stationery supplies.....	21 93
Adder Machine Co., ribbon, paper.....	3 58
Adams, Cushing & Foster, office supplies, books	165 56
Royal Typewriter Co., ribbons.....	2 00
Banker & Tradesman, subscription.....	5 00
Hobbs & Warren, stationery supplies.....	11 95
Jas. J. Shannon & Co., indexes.....	1 40
H. A. Shepard & Co., twine.....	50
Multipost Co., repairing machine.....	5 08
J. C. Miller, Jr., book, printing.....	201 75
	<hr/>
	\$6,172 93

### ESTATES BOUGHT AT SALE FOR TAXES

Assessed to	Property	Year	Taxes	Interest	Costs	Watering Assessment	Gypsy and B. T. Moth Assessment	Various	Total
City of Medford, utd .....	20,240 sq. ft. Terrace Road, jun. Governors Ave. ....	1916	7.92						7.92
Julia M. O'Brien .....	4,500 sq. ft. Thomas Court.....	"	8.91						8.91
City of Medford, utd.....	2,000 sq. ft. Jerome St., jun. Sherman St. ....	"	4.95						4.95
City of Medford, utd.....	224 sq. ft. Sharon St.....	"	.99						.99
City of Medford, utd.....	720 sq. ft. in rear Linden St...	"	.99						.99
City of Medford, utd.....	10,224 sq. ft. Linden St.....	"	5.94						5.94
City of Medford, utd.....	31-100 acres Myrtle St. at Creek Head .....	"	1.98						1.98
Adelaide L. Richardson....	2 30-100 acres off Hall St.....	"	5.94						5.94
Ralph T. Thacher.....	1,196 sq. ft. Lawn Park, lot 7..	"	1.98						1.98
Ralph T. Thacher.....	1,185 sq. ft. Lawn Park, lot 6..	"	1.98						1.98
Ralph T. Thacher.....	1,210 sq. ft. Lawn Park, lot 5..	"	1.98						1.98
Ralph T. Thacher.....	1,168 sq. ft. Lawn Park, lot 4..	"	1.98						1.98
Ralph T. Thacher.....	1,168 sq. ft. Lawn Park, lot 3..	"	1.98						1.98
Ralph T. Thacher.....	1,154 sq. ft. Lawn Park, lot 2..	"	1.98						1.98
Fred C. Tobey, Tr.....	498 sq. ft. Yale St. ....	"	1.98						1.98
Laura M. Westall.....	1,996 sq. ft. Riverside Ave., cor Carolina St. ....	"	3.96						3.96

ESTATES BOUGHT AT SALE FOR TAXES—Continued

Assessed to	Property	Year	Taxes	Interest	Costs	Watering Assessment	Gypsy and B. T. Moth Assessment	Various	Total
Angus A. Martin.....	3,040 sq. ft. First St., lot 3....	1916		2.68	6.50			Sewer ass'm't 24.85	34.03
Angus A. Martin.....	3,040 sq. ft. First St., lot 4....	"		2.68	6.50			Sewer ass'm't 24.85	34.03
Angus A. Martin.....	3,040 sq. ft. First St., lot 5....	"		2.68	6.50			Sewer ass'm't 24.85	34.03
Leonard J. Merrill.....	3,197 sq. ft. Carney St., lot 53..	"		2.60	6.50			Sewer ass'm't 26.15	35.25
Charles E. Curtis.....	Pinkert St., lot 23.....	"		8.49	6.50			Betterment ass'm't 137.82	152.81
Robert C. Orpin.....	Brookings St., lot 2.....	"		5.09	6.50			Sidewalk ass'm't 69.26	80.85
William Williams.....	Rural St., lot 73 .....	1917	6.42						6.42
Willard Welsh.....	2,211 sq. ft. Leyden Ave., lot 5..	"	4.28	.45	6.50				11.23

ESTATES BOUGHT AT SALE FOR TAXES—Continued

Assessed to	Property	Year	Taxes	Interest	Costs	Watering Assessment	Gypsy and B. T. Moth Assessment	Various	Total
David W. and Sadie A. Ryan.....	4,382 sq. ft. Sterling St., cor. Cornell, lot 166.....	1917	2.14	.22	6.50				8.86
Edna N. Pope.....	572 sq. ft. Brookings St., N. E. pt. lot 4 .....	"	2.14	.26	6.50	40			9.30
John H. O'Rourke.....	10,224 sq. ft. Hall St., lot 31....	"	6.42	.67	6.50				13.59
Angus A. Martin.....	3,040 sq. ft. First St., lot 3....	"	4.28	.45	6.50				11.23
Angus A. Martin.....	3,040 sq. ft. First St., lot 4....	"	4.28	.45	6.50				11.23
Angus A. Martin.....	3,040 sq. ft. First St., lot 5....	"	4.28	.45	6.50				11.23
Gniseppe Lavena, M. I. P..	1,800 sq. ft. Bow St., cor. Bow Ter., lot 2 .....	"	4.28	.45	6.50				11.23
Gniseppe Lavena, M. I. P..	1,800 sq. ft. Bow St., lot 1 .....	"	4.28	.45	6.50				11.23
Walter T. Fuller.....	1,877 sq. ft. Bow Terrace, lot 4 .....	"	4.28	.45	6.50				11.23
Julia E. Fuller.....	1,970 sq. ft. Hillside Rd., lot 12 .....	"	4.28	.45	6.50				11.23
Sidney L. Beals.....	3,492 sq. ft. Bowdoin St., lot 82 .....	"	4.28	.45	6.50				11.23
Sidney L. Beals.....	3,492 sq. ft. Bowdoin St., lot 85 .....	"	4.28	.45	6.50				11.23
Catherine T. Callahan.....	4,688 sq. ft. Rock Glen Road, lot 229 .....	"	5.35	.56	6.50				12.41
Catherine T. Callahan.....	4,127 sq. ft. Rock Glen Road, lot 230 .....	"	4.28	.45	6.50				11.23
Annie W. Crompton.....	1,950 sq. ft. Russell St., lot 74....	"	3.21	.38	6.50		.35		10.44

ESTATES BOUGHT AT SALE FOR TAXES—Continued

Assessed to	Property	Year	Taxes	Interest	Costs	Watering Assessment	Gypsy and B. T. Moth Assessment	Various	Total
Annie W. Crompton.....	1,950 sq. ft. Russell St., lot 75..	1917	3.21	.38	6.50		.35		10.44
Chester A. Dimock.....	4,120 sq. ft. Bailey St., lot 83..	"	5.35	.56	6.50				12.41
Elizabeth A. Fisher.....	4,900 sq. ft. Rural St., lot 35...	"	8.56	.90	6.50				15.96
Julia E. Fuller.....	1,710 sq. ft. Bow Terrace, lot 3	"	3.21	.34	6.50				10.05
Julia E. Fuller.....	1,710 sq. ft. Bow Terrace, lot 6	"	3.21	.34	6.50				10.05
Julia E. Fuller.....	3,405 sq. ft. Codding Ave., pt. lot 87 .....	"	4.28	.45	6.50				11.23
Edgar F. Hanscom, Tr.....	5,999 sq. ft. Mystic Ave., cor. Hancock St., lot 16.....	"	5.35	.93	6.50	3.48			16.26
Charles W. Harvey.....	3,690 sq. ft. Waddell St. ....	"	1.07	.11	6.50				7.68
B. Hurvich.....	3,400 sq. ft. Frederick Ave., lot 78 .....	"	7.49	.79	6.50				14.78
B. Hurvich.....	3,400 sq. ft. Frederick Ave., lot 108 .....	"	4.28	.45	6.50				11.23
B. Hurvich.....	3,400 sq. ft. Frederick Ave., lot 107 .....	"	5.35	.56	6.50				12.41
Walter D. Hannigan.....	169 sq. ft. Winchester St., S. pt. lot 19 .....	"	1.07	.12	6.50	.08			7.77
John F. Kinney.....	3,958 sq. ft. Tyler Ave. pt. lot 267 .....	"	8.56	.94	6.50		.35		16.35
Mary T. Morangue.....	3,338 sq. ft. Taft St., lot 32 ....	"	5.35	.60	6.50		.35		12.80

ESTATES BOUGHT AT SALE FOR TAXES—Continued

Assessed to	Property	Year	Taxes	Interest	Costs	Watering Assessment	Gypsy and B. T. Moth Assessment	Various	Total
John Alfred Mutch.....	4,500 sq. ft. Tyler Ave., lot 204	1917	5.35	.55	6.50				12.40
New England Realty Co...	3,849 sq. ft. off Harold St., N. pt. lot 175 .....	"	5.35	.56	6.50				12.41
New England Realty Co...	2,233 sq. ft. off Harold St., rear pt. lot 177 .....	"	3.21	.34	6.50				10.05
New England Realty Co...	1,881 sq. ft. off Harold St., rear pt. lot 178 .....	"	2.14	.22	6.50				8.86
New England Realty Co...	1,530 sq. ft. off Harold St., rear pt. lot 179 .....	"	2.14	.22	6.50				8.86
New England Realty Co...	475 sq. ft. off Harold St., rear pt. lot 182 .....	"	1.07	.11	6.50				7.68
Harris P. Tibbetts and John J. Harris.....	5,010 sq. ft. Tyler Ave., lot 282	"	12.84	1.35	6.50				20.69
Albert E. White.....	3,212 sq. ft. Marshall St., cor. Lyman Ave., lot 10 .....	"	9.63	1.47	6.50	4.44			22.04
R. W. Kennison.....	4,313 sq. ft. So. Border Road, lot 21 .....	"	7.49	.83	6.50		.35		15.17
Rebecca Wilton.....	4,441 sq. ft. College Ave., cor. Frederick Ave., lot 69.....	"	4.28	.64	6.50	1.84			13.26
									<u>\$911.83</u>

**ELECTRICAL DEPARTMENT****Salary of Superintendent of Wires and Gas Fittings**

One year to Jan. 1, 1920.

Paid:

Henry A. Gaffney.....	\$1,800 00
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**Electrical Department Expenses**

Paid:

N. E. Tel. & Tel. Co., rental and tolls.....	\$ 97 74
Henry A. Gaffney, use of auto, stamps.. . . .	386 00
Daniel N. Howard, ether.....	40
Sinclair Hardware Co., tools, sundries.....	15 98
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	\$500 12

**Police Signal System Equipment**

Paid:

Workmen, as per payroll.....	\$ 18 00
Sinclair Hardware Co., paint, oil.....	21 25
Western Electric Co., electrical equipment....	148 21
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	\$187 46

**Fire and Police Signal Service**

Paid:

Workmen, as per payrolls.....	\$ 34 50
Sinclair Hardware Co., tape, batteries, paint, cord, asphaltum.....	52 07
Boston & Maine R. R., freight.....	56
American Express Co., expressing.....	66
Medford Publishing Co., printing.....	8 00
Wm. E. Ober, tape.....	45

Gamewell Fire Alarm Tel. Co., repairing, parts, register paper, sundries.....	\$255 63
C. H. Tinkham, care of clocks.....	8 00
Page & Curtin, bushings, sundries.....	66
Henry A. Gaffney, use of auto.....	45 00
H. F. Walker, repairing.....	1 80
Western Electric Co., wire.....	14 30
Savage's Express Co., expressing.....	1 85
American Express Co., expressing.....	47
Welch's Express, expressing.....	79
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	\$424 74

### Street Lights

Paid:

Malden Electric Co., light.....	\$25,488 52
Henry A. Gaffney, use of auto.....	40 00
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	\$25,528 52

### Salary of Lineman

Paid:

Workmen, as per pay rolls.....	\$1,244 40
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## ENGINEERING DEPARTMENT

### Salary of City Engineer

One year to Jan. 1, 1920.

Paid:

Fred R. Charnock.....	\$1,950 00
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**Engineering Department Expenses**

Paid:

Engineer's Assistants and Clerk, as per pay rolls	\$5,195 76
N. E. Tel. & Tel. Co., rental and tolls.....	27 34
Fred R. Charnock, carfares, sundries.....	118 56
C. H. Tinkham, clock repairs.....	4 00
Medford Publishing Co., subscription, reports, etc. ....	27 50
J. C. Miller, Jr., printing.....	18 50
Medford Purchasing Department, carbon.....	5 00
W. C. Miles Co., stakes, wedges.....	53 38
Wm. N. Campbell, cards.....	5 85
Ledder & Probst, blue print paper, mounting maps, tracing cloth.....	121 61
Spaulding-Moss Co., blue prints.....	3 03
Wards, paper, paste, etc.....	21 80
Frank E. Wood, pens.....	2 00
Adams, Cushing & Foster, cards, clips.....	19 55
Municipal Journal, subscription.....	3 00
Brown-Howland Co., printing, cards.....	11 44
Thorp & Martin, books.....	15 10
Engineering & Contracting, subscription.....	3 00
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	\$5,656 42

**FIRE DEPARTMENT****Salaries of Firemen**

One year to Jan. 1, 1920.

Paid:

Chief and permanent men, as per pay rolls....	\$58,547 34
Call men, as per pay rolls.....	2,105 00
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	\$60,652 34

### Ordinary Expenses—Fire Department

Paid:

N. E. Tel. & Tel. Co., rental and tolls.....	\$ 254 79
Locke Coal Co., coal.....	896 12
M. & M. Gas Light Co., gas.....	155 40
Malden Electric Co., light.....	240 81
Cradock Garage, auto supplies.....	24 75
F. B. Miller, laundry work.....	298 25
Thomas A. Qualey, carfares, postage.....	14 48
Sinclair Hardware Co., batteries, hardware....	209 96
E. B. Thorndike & Son, printing.....	3 25
Medford Water Div., water, labor.....	92 37
Teel Mfg. Co., tires, etc.....	172 24
E. Teel & Co., Auto Dept., auto parts.....	36 56
E. Teel & Co., repairs, steel.....	10 35
B. F. Samson & Co., metal polish.....	7 00
C. H. Hartshorn, sundries.....	3 35
Otto J. C. Neilson, supplies, labor.....	21 06
H. F. Walker, bolts, chains, milling, etc.....	323 52
Edw. E. Papkee, operator's license.....	1 00
E. A. Baker, operator's license.....	1 00
W. B. Harvey, license, postage, freight.....	3 17
Edgar H. Babcock, operator's license.....	2 00
W. R. Ordway, cash paid for ice.....	2 30
Herbert H. Kenney, operator's license.....	1 00
Warren W. Burrell, operator's license.....	1 00
F. E. Samson, operator's license.....	1 00
Fred E. Brewster, operator's license.....	1 00
Geo. C. Harris, operator's license.....	1 00
Medford Publishing Co., printing.....	12 50
Wm. F. Ward, operator's license.....	2 00
Medford Tire & Rubber Co., repairing tubes....	5 50
Dudley Garage, Prestolite tanks.....	10 75
Welch's Express, expressing.....	6 23
Ball's Express, expressing.....	91
Savage's Express, expressing.....	8 67

## EXPENDITURES

79

American Express Co., expressing.....	\$ 5 68
Boston & Maine R. R., freight.....	333 24
Clark's Service Station, brushes, labor.....	32 00
T. G. & W. H. Whitman Co., electrical supplies	7 10
Anthony Zacher, repairs.....	11 50
Page & Curtin, water heater, hardware.....	27 94
Harry E. Gifford, stencils, labor.....	21 50
Wellman Co., making parts.....	16 20
W. C. Miles Co., lumber.....	22 35
Geo. H. Janes, Jr., electrical supplies.....	24 33
W. E. Gerry, cotton cloth.....	69
P. Reynolds, cheese cloth.....	11 25
J. E. Ober & Son, coal, wood.....	18 89
Wm. N. Curtis, soap, soda.....	39 42
Medford Hillside Garage, auto supplies.....	165 94
Richard S. Leary, rags.....	20 20
Kale's Pharmacy, sponges.....	6 00
Edw. M. Ports, repairs on bell and lamp.....	5 85
Joseph W. McKeon, operator's license.....	1 00
Medford Purchasing Dept., typewriter ribbon..	1 00
Medford Ice Co., ice.....	23 45
Oliver C. Nicoll, forge, dies, tools.....	90 46
Medford Welding Co., welding.....	4 25
J. C. Miller, Jr., envelopes, printing.....	2 25
Standard Oil Co., oil.....	45 91
Wards, office supplies.....	10 70
F. S. Hardy & Co., electric bulbs.....	56 13
Ernst Flentje, hanger.....	3 00
Firestone Tire & Rubber Co., tires.....	107 00.
F. A. Dutton Motor Co., supplies.....	9 00
Mass. Reformatory, blankets.....	116 50
Knox Motors Associates, parts.....	265 96
Am. La France Fire Engine Co., hose, screws..	6 50
Dayton Tire Co., tire, rim, repairs.....	202 03
Gulf Refining Co., kerosene, gasoline.....	615 33
Chas. J. McCarthy & Co., waste.....	8 00
Jenney Mfg. Co., mobiloil.....	5 00

Hydro Palm Soap Co., soap powder.....	\$ 18 15
Reformatory for Women, bedding.....	97 20
Foster Bros., framing.....	13 20
Spaulding-Moss Co., maps.....	6 46
W. H. McLellan, repairing map.....	1 08
John T. Coneeny, auto hose roller.....	15 00
James M. Morrison, blankets.....	39 00
C. M. Kimball Co., metal polish.....	6 54
Boston Uniform Cap Co., badges.....	13 35
Richardson, Wright & Co., bedding, beds, springs .....	338 25
Cornelius Callahan Co., hose, nozzles, repairs..	101 39
North Star Plating Works, buffing bells.....	24 00
E. P. Sanderson Co., drills, chains, duck, etc....	89 16
Geo. W. Blanchard & Co., lumber.....	14 75
Wadsworth, Howland & Co., varnish .....	1 52
F. W. Rauskolb, gold leaf.....	23 71
Somerville Brush Co., brushes.....	19 17
Alfred Winsor & Son, fire guns.....	18 84
Mason, Sanborn & Ramisdell Co., soap, bon-ami	49 55
A. S. Noyes, labor, auto parts.....	124 51
A. J. Wilkinson & Co., brass hasps.....	2 70
W. K. Pheeney & Co., roofing and supplies....	47 20
Mass. Commission for the Blind, brooms.....	17 68
American Woolen Co., cotton waste.....	37 05
Rex Ignition Mfg. Co., spark plugs.....	24 11
Homer F. Livermore, bronze bushing.....	7 80
Pittsburg Plate Glass Co., glass, mirrors.....	22 21
Sparrow, Chisholm & Co., towels.....	29 00
Wm. C. Richardson & Son Co., autoline.....	61 74
H. F. Dooley, painting auto.....	15 00
National Coal Sales Co., coal.....	521 99
Merrimac Chemical Co., oil.....	15 96
Glendale Coal Co., coal.....	851 64
Dayton Rubber Mfg. Co., express on tires.....	8 57
S. E. Lawrence, repairs.....	86 00
Woodley Soap Mfg. Co., soap powder.....	17 52

## EXPENDITURES

81

Stromberg Motor Devices Co., motor parts.....	\$ 15 57
Selden Truck Service Co., labor.....	50
R. M. Hollingshead Co., metal polish.....	13 00
Stone & Forsythe Co., paper.....	9 00
Hub Cycle Co., pyrene.....	4 80
Roberts Iron Works, plates for boiler.....	3 50
The Seagrave Co., rubber gaskets.....	71
Chemo Co., disinfectant, sprayers.....	22 50
Geo. R. Bascom, auto parts.....	29 10
Adams, Cushing & Foster, book, etc.....	4 60
Powertine Co., powertine.....	2 00
Clifton Mfg. Co., rubber covers.....	264 00
Charlestown Veteran Fire Men's Assn., leather fire hats.....	108 00
Morey & Co., soap powder.....	14 96
Chicago Pneumatic Tool Co., electric drill.....	116 00
Wetmore-Savage Co., unit for coil.....	8 00
Bayerson Oil Works, ebonite.....	5 25
Wm. C. Robinson & Son Co., oil.....	33 25
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	\$8,604 58

**New Hose—Fire Department**

Paid:

Cornelius Callahan Co., jacket knit hose.....	\$2,000 00
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**Boiler—Fire Department**

Paid:

John E. Lacy, masonry.....	\$27 60
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**Repairs to Fire Department Building**

Paid:

John E. Lacy, rebuilding chimney.....	\$35 00
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## REPORT OF CITY AUDITOR

## HEALTH DEPARTMENT

## Salaries of Board of Health

One year to Jan. 1, 1920.

Paid:

Alfred J. Hawks, M. D., chairman.....	\$250 00
Warren S. McIntire.....	50 00
Walter T. Burke, M. D.....	50 00
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	\$350 00

## Salaries of Inspectors

Paid:

Edward P. Frazier, Acting Inspector of Plumbing, Jan. 1 to Oct. 31, 1919.....	\$1,041 70
Leslie E. Morrison, Inspector of Plumbing, Nov. 1 to Dec. 31, 1919.....	208 30
Edward P. Frazier, Acting Health Inspector, Jan. 1 to Oct. 31, 1919.....	333 30
Leslie E. Morrison, Health Inspector, Nov. 1 to Dec. 31, 1919.....	66 70
Winslow Joyce, Inspector of Milk & Vinegar..	500 00
Paul J. D. Haley, M. D., Medical Inspector....	200 00
Francis W. Lumbert, Inspector of Meats and Provisions .....	200 00
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	\$2,550 00

## Health Department Expenses

Paid:

N. E. Tel & Tel. Co., rental and tolls.....	\$ 47 23
Alvin R. Reed, salary as clerk.....	1,000 00
Alvin R. Reed, stamps.....	4 50

## EXPENDITURES

83

Leslie E. Morrison, burying animals, cash paid for auto registration, carfares.....	\$ 16 70
E. P. Frazier, burying animals.....	12 00
Walter T. Burke, M. D., professional services..	4 20
Alfred J. Hawks, M. D., professional services..	39 00
Cradock Garage, service to Danvers.....	181 29
Anthony Zacher, tire repairs.....	14 10
Mystic Auto Co., parts, labor.....	33 30
Geo. H. Janes, Jr., battery.....	45
Park St. Garage, storage, parts.....	34 90
Medford Hillside Garage, tires.....	50 88
Teel Mfg. Co., repairs, sundries.....	20 85
Medford Publishing Co., printing, advertising..	28 50
Medford Theatre, expense of pictures.....	43 00
Medford Water Division, oil, gasoline.....	25 68
Locke Coal Co., coal used at theatre.....	27 00
E. Teel & Co., Auto Department, repairs.....	1 40
Sinclair Hardware Co., spark plugs.....	4 00
Otto J. C. Neilson, services as inspector.....	64 16
Underwood Typewriter Co., ribbon.....	1 00
John Taylor Dixon, hand stamp.....	61
Times Publishing Co., book.....	1 75
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	\$1,656 50

## Contagious Diseases

Paid:

W. A. Bowers, tubes.....	\$ 8 00
American Express Co., expressing.....	31
A. J. Hawks, use of automobile.....	300 00
Medford Publishing Co., printing.....	37 00
Medford Water Division, oil, gasoline.....	80 38
Daniel N. Howard, cultures.....	58 50
Pliny C. Chandler, cultures.....	3 50
John W. Enright, alcohol, cultures.....	38 60
Anthony Zacher, tire, repairs.....	25 30
Medford Visiting Nurse Ass'n, services.....	9 00

Wiley & Ahern, cultures, sputum cups.....	\$ 51 55
Ella A. Belyea, salary as nurse.....	750 00
Sinclair Hardware Co., tacks.....	1 04
Edw. P. Frazier, carfares, burying animals....	35 35
Louis J. Condon, painting signs.....	6 00
Park St. Garage, labor, sundries.....	2 35
Grant & Moland, making signs.....	6 00
J. C. Miller, Jr., printing.....	10 50
N. E. Tel. & Tel. Co., rental and tolls.....	47 58
City of Malden, board at hospital.....	47 14
City of Cambridge, board at hospital.....	333 25
City of Boston, board at hospital.....	70 00
Mass. Charitable Eye & Ear Infirmary, board..	28 90
Boston Consumptives' Hospital, board and care	72 00
North Reading State Sanatorium, board.....	88 00
Mass. Homoeopathic Hospital, board.....	361 05
Westfield State Sanatorium, board.....	60 57
State Board of Charity, board.....	189 00
Munson Supply Co., typewriter keys.....	3 50
Ella A. Belyea, carfares, tacks.....	4 80
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	\$2,729 17

## HIGHWAY DEPARTMENT

### Salary of Street Commissioner

One year to Jan. 1, 1920.

Paid:

Hugh G. Kennedy..... \$2,100 00

### Salary of Superintendent of Moth Suppression

One year to Jan. 1, 1920.

Paid:

Hugh G. Kennedy..... \$400 00



## EXPENDITURES

85

**Ashes**

## Paid:

Workmen, was per pay rolls.....	\$19,799 70
E. Teel & Co., wagon parts, repairs.....	102 85
Gulf Refining Co., gasoline.....	1,422 33
Medford Square Garage, oil, cleaner.....	11 05
Kelly-Springfield Motor Truck Co., parts, labor	427 27
H. F. Walker, tire.....	67 72
Harrie W. Peirce, professional services.....	9 00
E. P. Sanderson Co., horse shoes.....	10 24
Lord & Webster Co., hay.....	198 88
P. J. McDonald, harness repairs.....	4 96
J. Cushing & Co., grain.....	388 05
Boston Service Station, recharging battery....	2 50
C. H. Hartshorn, leather, repairs.....	8 65
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	\$22,453 20

**Bridges**

## Paid:

Workmen, as per pay rolls.....	\$325 30
Geo. W. Blanchard & Co., lumber.....	3 46
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	\$328 76

**Capen Street Drain**

## Paid:

Workmen, as per pay rolls.....	\$1,591 67
Medford Engineering Dept., labor, carfares....	44 14
Spiers Brick Co., brick.....	68 00
Waldo Bros., pipe, cement.....	486 84
Mechanics Iron Foundry Co., frames, grates, covers .....	197 33
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	\$2,387 98

## REPORT OF CITY AUDITOR

## Collection of House Offal

## Paid:

Workmen, as per pay rolls.....	\$13,365 81
E. Teel & Co., wagon parts, repairs.....	167 01
Medford Publishing Co., advertising.....	4 88
Page & Curtin, wagon gear.....	25 00
H. F. Walker, wagon parts, tires, repairs.....	109 37
Anderson & Anderson, garbage pails.....	54 00
Robert Maxwell, labor.....	48 00
C. H. Hartshorn, harness repairs.....	14 10
L. H. Phelps, hay.....	571 50
A. F. Robinson Boiler Works, wagon body....	114 90
Hill & Hill, harness soap.....	5 00
J. Cushing & Co., grain.....	1,352 55
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	\$15,832 12

## Gravel Sidewalks

## Paid:

Workmen, as pay rolls.....	\$ 681 24
Boston & Maine R. R., freight.....	334 41
Winchester Rock & Brick Co., crushed stone....	294 67
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	\$1,310 32

## General Repairs of Highways

## Paid:

Workmen, as per pay rolls.....	\$19,080 33
N. E. Tel. & Tel. Co., rental and tolls.....	161 66
Medford Water Department, water.....	55 14
Malden Electric Co., light.....	101 41
Medford Purchasing Department, paste.....	63
Medford Engineering Department, labor.....	2 64

## EXPENDITURES

87

Medford Publishing Co., printing.....	\$ 9 00
Boston & Maine R. R., freight.....	10 49
Welch's Express, expressing.....	2 38
American Express Co., expressing.....	33
Savage's Express Co., expressing.....	2 47
E. Teel & Co., wagon parts, repairing.....	61 76
Sinclair Hardware Co., hardware, tree guards, paint, rope, oil, auto jack.....	398 32
Anthony Zacher, chains, tires, repairs.....	657 56
John W. Enright, drugs.....	19 31
E. Teel & Co., Auto Dept., auto parts, repairs..	201 33
Teel Mfg. Co., Ford truck, repairs, parts, sun- dries .....	789 80
C. H. Hartshorn, harness repairs, parts.....	42 00
Locke Coal Co., coal.....	57 48
Daniel N. Howard, drugs.....	11 73
W. E. Gerry, gauze, cambric.....	9 80
Richard S. Leary, cheese cloth.....	11 92
Medford Hillside Garage, tires, truck.....	697 08
Harrie W. Peirce, professional services.....	14 00
A. E. Mosher, caravan.....	85 00
David Anderson, bicycle tire, plug.....	4 75
Cradock Garage, fuses, bulbs.....	4 60
T. G. & W. H. Whitman, batteries, sundries....	43 41
John A. Gaffey, crushed stone.....	22 00
J. H. Qualey, repairing clock.....	1 00
H. F. Walker, tire, tube.....	48 78
W. C. Miles Co., lumber.....	22 00
Thomas F. Doyle, filing saws.....	4 75
L. H. Phelps, hay, grain and straw.....	1,876 02
Hugh G. Kennedy, cash paid for auto and truck registrations .....	28 00
Connell & McKone Co., auto parts.....	56 35
Cadillac Automobile Co., sundries.....	8 40
C. E. Fay-Allen Co., Chalmers car, labor, parts	1,047 20
J. Cushing & Co., grain.....	1,305 97
Gulf Refining Co., gasoline, kerosene.....	1,110 85

Chas. J. McCarty Co., snow plows, wagon parts	\$	158 75
Winchester Rock & Brick Co., crushed stone....		900 41
Buffalo Steam Roller Co., steam roller, supplies		678 07
John Taylor Dixon, dating stamp.....		1 00
E. P. Sanderson Co., horse shoes, calks, tools, hardware, repairing .....		372 69
Adams, Cushing & Foster, office supplies.....		35 35
American Tar Co., tarite.....		135 00
Benjamin W. Pike, pails, covers, sponges.....		73 00
W. Arthur Lincoln, insurance.....		231 50
Joseph Palmer, repairing spring.....		15 00
Hill & Hill, salt bricks.....		4 50
The Barrett Co., tarvia.....		384 00
W. A. Snow Iron Works, strainers.....		5 22
B. S. Killian, professional services.....		7 00
Lord & Webster Co., grain, hay.....		654 27
John Wiley & Sons, handbook.....		5 00
Adder Machine Co., paper, repairs.....		11 51
Peter Robertson, repairing.....		22 00
N. E. Road Machinery Co., machine and parts..		62 00
Mass. Commission for the Blind, brooms.....		11 00
Standard Oil Co., auto soap, disinfectant, grease		75 10
Freeman O. Emerson, horse brushes.....		13 50
Glendale Coal Co., coal.....		270 27
Dennison Mfg. Co., paper clips.....		45
Stanley & Harlow, grain.....		15 00
P. J. McDonald, horse supplies, repairing.....		21 50
Frank P. Bridges & Co., pens.....		3 55
Kelly-Springfield Motor Truck Co., parts.....		88 90
Hub Vulcanizing & Tire Co., tires, tubes.....		89 20
Standard Plate Glass Co., glass.....		8 35
		<hr/>
		\$32,420 74

### Guide Boards and Street Signs

Paid:	
Workmen, as per pay rolls.....	\$ 60 00

**EXPENDITURES**

89

Louis J. Condon, painting signs.....	\$ 62 35
Traffic Sign & Signal Co., traffic signals.....	20 00
W. C. Miles Co., sign boards.....	13 20
American Express Co., expressing.....	49
	\$156 04

**Gypsy and Brown Tail Moths**

Paid:

Workmen, as per pay rolls.....	\$1,010 12
Medford, trees account, labor erroneously charged .....	3 42
Thomas F. Doyle, filing saws.....	2 25
Medford Publishing Co., advertising.....	18 00
Fellows & Co., extension ladder.....	31 50
Medford Messenger, advertising.....	16 00
The Barrett Co., tar products.....	56 10
	\$1,137 39

**Pensions**

Paid:

Sundry Persons, as per pay rolls.....	\$819 00
John Scannell.....	85 50
	\$904 50

**Paving Medford Square, Main, Salem & High Streets**

Paid:

Workmen, as per pay rolls.....	\$ 7,879 59
Alice Bearse, typing contract and specifications	27 00
Medford Engineering Dept., labor.....	359 52
Simpson Bros., Corp., on contract for paving..	27,698 93
Medford Messenger, advertising proposals.....	2 63

Medford Publishing Co., advertising proposals..	\$	8 50
John J. Golden, salary as foreman.....		120 00
		<hr/>
		\$36,096 17

### Original Construction of Streets

#### Paid:

Workmen, as per pay rolls.....	\$11,517 40
John A. Gaffey, crushed stone.....	95 17
David Anderson, bicycle repairs.....	3 00
Medford Engineering Dept., labor, carfares....	57 18
Medford Police Dept., services.....	35 75
Sinclair Hardware Co., electrical supplies, hard- ware .....	56 47
W. C. Miles Co., lumber.....	13 50
E. Teel & Co., steel.....	2 40
Teel Mfg. Co., auto sundries.....	3 05
Anthony Zacher, tire, tire repairs.....	44 75
Boston & Maine R. R., freight.....	198 38
Welch's Express, expressing.....	6 28
American Express Co., expressing.....	4 28
Sheehan & Shea, crushed stone.....	154 16
American Tar Co., tarine.....	856 00
T. Quigley, Jr., trucking.....	402 92
Winchester Rock & Brick Corp., crushed stone..	3,993 42
Gould Oil Co., road oil.....	3,312 00
National Coal Sales Co., coal.....	312 05
Atwood Auto Lamp Co., glass.....	4 25
Coleman Bros., crushed stone.....	4,431 68
North Packing & Provision Co., cinders.....	348 00
Gulf Refining Co., gasoline.....	343 70
Chas. J. McCarty & Co., forks.....	19 80
Buffalo Stam Roller Co., parts.....	38 23
Atlantic Supply Co., shovels, hoes.....	145 50
E. P. Sanderson Co., branding iron.....	4 18

**EXPENDITURES**

91

General Crushed Stone Co., crushed stone.....	\$ 3,085 34
The Barrett Co., tarvia.....	148 40
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	\$29,637 24

**Paving Gutters**

Paid:

Workmen, as per pay rolls.....	\$681 65
Gulf Refining Co., kerosene.....	25 50
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	\$707 15

**Stone Bounds**

Paid:

Workmen, as per pay rolls.....	\$ 44 75
Medford Engineering Department, labor.....	14 92
Medford Sidewalks & Edgestones, cement, labor	43 11
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	\$102 78

**Ship Avenue**

Paid:

Workmen, as per pay rolls.....	\$316 98
North Packing & Provision Co., cinders.....	112 00
General Crushed Stone Co., stone.....	26 25
	<hr/>
	\$455 23

**Stone Crusher and City Stable Repairs**

Paid:

Workmen, as per pay rolls.....	\$ 678 31
Sinclair Hardware Co., paint, hardware.....	14 53
Geo. W. Blanchard & Co., lumber.....	54 72

Norton & Co., lumber.....	\$ 80 00
Atlantic Supply Co., gas engine, air compressor, tank .....	1,200 00
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	\$2,027 56

### Sidewalks and Edgestones

#### Paid:

Workmen, as per pay rolls.....	\$21,553 91
Medford Engineering Dept., labor, carfares....	764 88
Sinclair Hardware Co., lanterns, wheel barrows, hardware .....	395 73
John A. Gaffey, crushed stone, edgestone.....	20,688 05
W. C. Miles Co., lumber.....	2 75
J. C. Miller, Jr., printing.....	18 00
Teel Mfg. Co., auto parts, repairs.....	5 70
E. Teel & Co., Auto Dept., packing.....	2 34
Wm. F. Emerson, salt hay.....	15 00
Boston & Maine R. R., freight.....	364 91
North Packing & Provision Co., cinders.....	368 00
S. & R. J. Lombard, edgestone.....	1,695 57
Winchester Rock & Brick Co., crushed stone....	66 12
The Barrett Co., tarvia.....	132 00
Gulf Refining Co., gasoline, kerosene.....	473 47
Coleman Bros., stone dust, crushed stone.....	672 87
Geo. W. Blanchard & Co., lumber.....	111 13
Chas. J. McCarty & Co., tools.....	51 32
Berry & Ferguson, cement.....	1,370 41
General Crushed Stone Co., crushed stone.....	144 83
E. P. Sanderson Co., drills, hammers, bolts.....	32 19
Waldo Bros., paving brick, cement.....	1,510 34
Wright Wire Co., steel rope.....	6 98
Sherwin-Williams Co., lamp black.....	42 06
New England Engineering Co., welding.....	2 50
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	\$50,491 06



**Surface Drains**

Paid:

Workmen, as per pay rolls.....	\$ 7,127 36
Medford Engineering Dept., labor.....	145 83
Sinclair Hardware Co., pick handles.....	14 00
D. Sahl, rubber boots.....	11 00
Gulf Refining Co., oil, gasoline.....	270 38
Mechanics Iron Foundry Co., gratings, frames, covers .....	899 68
Swift-McNutt Co., lumber.....	74 00
Berry & Ferguson, cement, pipe.....	584 61
Geo. W. Blanchard & Co., lumber.....	1 20
Spiers Brick Co., brick.....	490 00
Sheehan & Shea, cinders.....	42 00
Waldo Bros., sewer and drain pipe.....	1,026 37
Chas. J. McCarty & Co., shovels, couplings, drills, waste .....	166 43
Kelly-Springfield Motor Truck Co., labor, parts	26 97
Harold L. Bond Co., shovels.....	66 00
Franklin Rubber Co., rubber boots.....	31 18
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	\$10,977 01

**Trees**

Paid:

Workmen, as per pay rolls.....	\$ 793 14
Thomas F. Doyle, filing saws.....	8 50
Geo. W. Blanchard & Co., lumber.....	15 54
A. M. Tuttle & Co., trees.....	159 00
Breck-Robinson Co., trees.....	24 00
Chas. J. McCarty & Co., tools.....	45 24
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	\$1,045 42

### Watering Streets

Paid:

Workmen, as per pay rolls.....	\$ 3,199 80
Page & Curtin, hardware.....	27
Anthony Zacher, tires, repairs.....	154 95
Mrs. Catherine A. Gately, abatement.....	5 25
Medford Engineering Dept., labor, stationery..	119 10
Medford Water Dept., street watering.....	60 94
H. F. Walker, tires, repairs.....	173 58
Clark's Service Station, repairs.....	8 15
E. Teel & Co., Auto Dept., repairing.....	26 78
John J. Golden, inspector.....	121 00
Boston & Maine R. R., freight.....	6 00
Eisner-Lenk Co., repairing magneto.....	9 75
Kelly-Springfield Motor Truck Co., parts, repairs .....	66 75
Gulf Refining Co., gasoline.....	1,605 76
Gould Oil Co., asphaltic and non-asphaltic road oils .....	5,758 89
American Tar Co., tar products.....	2,433 80
L. M. Crane & Co., asphaltic and non-asphaltic road oils .....	2,613 77
Wright Wire Co., wire rope.....	1 75
Federal Radiator Co., repairing radiator.....	45 00
Alden Speare's Sons Co., tasscoil.....	66 00
Grant Gear Works, repairing lever.....	2 25
Boston Engineers' Supply Co., grease.....	3 50
Joseph Palmer, repairing spring.....	6 50
	\$16,489 54

### Riverside Avenue

Paid:

George T. Sampson, salary as Engineer.....	\$ 451 61
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EXPENDITURES

95

George T. Sampson, cash paid for office rent, working supplies .....	\$ 96 79
Engineer's assistants as per pay rolls.....	1,066 33
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	\$1,614 73

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INSPECTION DEPARTMENT

Salary of Inspector of Buildings

One year to Jan. 1, 1920.

Paid:

Frank B. Blodgett.....	\$1,500 00
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Building Inspection Expenses

Paid:

Frank B. Blodgett, for use and maintenance of automobile, postage.....	\$363 10
Medford Electrical Dept. Expenses, use of tele- phone .....	12 00
J. C. Miller, Jr., printing.....	24 00
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	\$399 10

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LAW DEPARTMENT

Salary of City Solicitor

One year to Jan. 1, 1920.

Paid:

A. Chesley York.....	\$1,500 00
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**Law Department Expenses**

## Paid:

A. Chesley York, cash paid for entry fee.....	\$ 3 00
Medford Publishing Co., printing, envelopes....	65 90
W. N. Campbell, record cards.....	9 25
Addison C. Getchell & Son, printing brief.....	19 50
Adams, Cushing & Foster, supplies.....	15 75
A. R. Andrews Co., carbon paper.....	12 00
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	\$125 40

**PARK DEPARTMENT****Public Commons**

## Paid:

Workmen, as per payrolls.....	\$4,203 18
N. E. Tel. & Tel. Co., rental.....	20 77
Edward P. Adams, salary as superintendent...	500 00
Alvin R. Reed, salary as secretary and clerk....	200 00
Ralph E. Peak, account books.....	1 70
Page & Curtin, oil, mower parts, brush, etc.....	11 51
Warren H. Keay, paint.....	48 24
Herbert W. Biggs, labor.....	5 25
Alden Hayden, carpentry.....	200 42
C. H. Hartshorn, washers.....	1 00
John A. Gaffey, loam, labor.....	20 97
Champion Bros., carpentry.....	1 00
Sinclair Hardware Co., drills, rakes, netting, wire, horse mower, arsenate of lead, rope..	240 50
P. C. Murphy, painting flag poles.....	183 20
W. C. Miles Co., sawdust.....	35

## EXPENDITURES

97

J. N. Cowin & Co., loam.....	\$ 12 75
Medford, Sidewalks & Edgestones, sand.....	12 00
Grant & Moland, lumber.....	2 80
H. F. Walker, mower parts.....	1 25
E. Teel & Co., iron strips.....	2 45
Henry J. O'Brien, labor.....	2 75
Medford, Sewer Construction, lowering manhole	6 57
Medford Police Department, services.....	9 00
Medford Publishing Co., printing reports.....	18 00
Medford Ice Co., use of wagon.....	54 00
Locke Coal Co., cement.....	4 98
Boston & Maine R. R., freight.....	1 30
Welch's Express, expressing.....	53
A. G. Spaulding & Bros., swing parts.....	7 21
Mechanics Iron Foundry Co., gratings.....	2 20
Ames Plow Co., horse roller.....	47 20
Geo. W. Blanchard & Co., lumber.....	42 76
Joseph Breck & Sons, tree guards, etc.....	17 00
Adams, Cushing & Foster, envelopes.....	35
A. M. Tuttle & Co., trees.....	22 50
Breck-Robinson Co., shrubs.....	20 00
John T. Scully Foundation Co., sand.....	21 60
R. & J. Farquhar, lawn mower.....	14 37
Broad Gauge Iron Works, signs.....	2 60
Waldo Bros., plaster paris.....	4 25
North Somerville Coal Co., teaming sand.....	16 00
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	\$5,984 51

## Care of Bath Houses

Paid:

Caretaker, as per pay rolls.....	\$236 50
Alden Hayden, carpentry.....	13 46
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	\$249 96

### Playgrounds

Paid:

Supervisor's assistants as per pay rolls . . . . .	\$1,418 72
James E. Mansfield, salary as supervisor . . . . .	200 00
James E. Mansfield, cash paid for carefares, tele- phone and sundries . . . . .	2 26
Geo. W. Blanchard & Co., lumber, mill work . . . .	21 31
James W. Brine Co., playground equipment . . . .	230 31
Mass. Commission for the Blind, brooms . . . . .	3 67
Eastern Talking Machine Co., record . . . . .	85
Alden Hayden, carpentry . . . . .	82 55
Locke Coal Co., lime . . . . .	1 50
Page & Curtin, bolts, tire tape . . . . .	2 91
Sinclair Hardware Co., oil cans, padlocks . . . . .	7 80
F. W. Woolworth Co., games . . . . .	60
Medford, Public Commons, pay rolls erroneously charged . . . . .	191 00
Welch's Express, expressing . . . . .	1 32
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	\$2,164 80

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### POLICE DEPARTMENT

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#### Salaries of Policemen

Paid:

Chief, police officers and janitor, as per pay rolls	\$50,605 23
William G. Ewell, pensioned officer . . . . .	750 00
Frederick J. Lewis, pensioned officer . . . . .	700 00
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	\$52,055 23

## Payment of Special Police

Paid:

Special police officers as per pay rolls from Sept. 20 to Dec. 27, 1919.....	\$1,443 66
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## Special Police, etc.

Paid:

Special police officers as per pay rolls, Jan. 1 to Sept. 20, 1919.....	\$3,776 54
N. E. Tel. & Tel. Co., rental and tolls.....	154 29
John F. Welch, carfares, repairing, stamps....	34 10
Daniel W. Connors, carfares, expenses.....	4 29
Amory Prentiss, chauffeur's license.....	1 00
W. J. Murphy, chauffeur's license.....	1 00
John B. A. Buffum, carfares, telephone.....	16 96
Frederick W. Blake, chauffeur's license.....	1 00
John J. Manning, chauffeur's license.....	1 00
Ernest Rowland, chauffeur's license.....	1 00
Wm. C. Field, killing dogs.....	9 00
Wm. G. Golding, expense on special case.....	1 95
Anthony Zacher, tire and repairs.....	7 50
Cradock Garage, auto repairs, supplies.....	133 59
Charles H. Walley, glazing.....	2 50
Malden Electric Co., light.....	131 72
Medford Water Div., water.....	18 71
Sinclair Hardware Co., hardware, jacks, cotton waste, alcohol .....	62 51
Locke Coal Co., coal.....	360 00
M. & M. Gas Lt. Co., gas.....	1 80
Medford Publishing Co., printing, stamped en- velopes, postals .....	138 50
C. H. Hartshorn, repairs.....	3 75
John W. Enright, drugs.....	7 76
Daniel N. Howard, drugs, sundries.....	1 95
Medford Hillside Garage, tires, tubes.....	340 54
E. Teel & Co., Auto Dept., supplies.....	1 50

Teel Mfg. Co., box patches.....	\$ 1 00
E. Teel & Co., electric bulbs, labor.....	2 50
Roy S. White, carpentry.....	9 60
Wm. E. Ober, wire, electrical repairs.....	11 43
Alfred J. Hawks, professional services.....	3 00
Lane's Cafe, food for prisoners, dinners.....	5 10
American Express Co., expressing.....	2 61
Savage's Express Co., expressing.....	74
Welch's Express, expressing.....	3 02
Ball's Express, expressing.....	27
Walter T. Burke, professional services.....	29 00
W. B. Emery, repairing flag.....	1 00
E. J. Hervey, crackers.....	1 50
J. C. Miller, Jr., printing.....	5 00
C. H. Tinkham, repairing badges.....	85
Medford Purchasing Dept., carbon paper, paste	3 76
Paul G. Bickford, cash paid for helper.....	1 00
Ralph E. Peak, stationery supplies.....	1 18
H. F. Walker, repairing pokers.....	75
P. J. Dennehy, glazing.....	8 32
Page & Curtin, mop, gaskets.....	3 50
Glendale Coal Co., coal.....	629 04
The White Co., auto repairs, supplies.....	92 58
Arthur Onthank & Co., chevrons.....	2 50
Iver Johnson Sporting Goods Co., repairs, re- volvers, badges, buttons, etc.....	453 74
Gulf Refining Co., gasoline, auto oil.....	515 58
Auto List Pub. Co., subscription.....	18 00
The Post & Lester Co., springs.....	30
Steeves Battery Station, battery.....	36 00
New England Towel Supply Co., towel service..	20 40
F. W. Barry, Beale & Co., paper, book.....	8 15
U. S. Envelope Co., paper.....	7 75
West Disinfecting Co., oil, etc.....	9 50
Mass. State Prison, floor polishers.....	12 33
Henley-Kimball Co., on exchange of cars, labor, supplies .....	1,700 43



EXPENDITURES

101

American Atmos Corp., cylinders, repairs, masks .....	\$ 21 99
Stone & Forsyth Co., paper cups.....	4 00
Library Bureau, book case unit, etc.....	88 40
Royal Typewriter Co., parts, repairing.....	12 50
Adams, Cushing & Foster, office supplies.....	4 90
M. Linsky & Bros., insignia.....	20 15
Universal Refining Co., soap.....	9 00
Wards, record books, stationery supplies.....	15 03
Gamewell Fire Alarm Tel. Co., signal box keys	7 91
Western Electric Co., electric bulbs.....	28 00
Boston Feather Duster Co., carriage dusters..	3 85
Carroll Studio, prints.....	4 00
R. M. Hollingshead Co., metal polish.....	1 25
Stevens, Brush & Co., insurance.....	46 25
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	\$9,083 12

**Boiler—Police Department.**

Paid:

Page & Curtin, labor repairing.....	\$29 57
The Hodge Boiler Works, grates.....	19 20
John H. Byron, masonry.....	11 35
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	\$60 12

**PUBLIC LIBRARY DEPARTMENT**

**Salaries and Wages**

Paid:

Librarian, assistants, pages and janitor service, as per pay rolls.....	\$6,396 51
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**Fuel and Light**

## Paid:

M. & M. Gas Lt. Co., gas.....	\$ 96
Malden Electric Co., light.....	100 21
Glendale Coal Co., coal.....	694 56

**Books, Periodicals, etc.**

## Paid:

N. J. Bartlett & Co., books.....	\$ 925 11
Bookshop for Boys & Girls, books.....	383 32
DeWolf & Fiske Co., books.....	10 85
Charles E. Latriat Co., books.....	4 66
C. F. Libbie & Co., books.....	5 60
Old Corner Book Store, books.....	924 56
Schoenhof Book Co., books.....	15 11
Oliver Ditson Co., books.....	13 86
Philip R. Dillon Pub. Co., book.....	2 00
R. H. Hinkley Pub. Co., books.....	12 50
Longmans, Green & Co., books.....	24 04
A. C. McClurg & Co., books.....	7 50
Baker & Taylor Co., book.....	54
Charles M. Clark Co., books.....	10 85
Desmond Pub. Co., books.....	24 30
Single Tax Review Pub. Co., book.....	2 50
Union Library Ass'n., books.....	13 00
H. R. Hunting Co., books.....	18 12
McDevitt-Wilsons Inc., books.....	18 98
Charles Scribner's Sons, books.....	8 90
Standard Book Co., books.....	22 82
Carol Cox Book Co., books.....	6 34
Open Court Pub. Co., book.....	1 21
John Wiley & Sons, book.....	1 37
Herman Goldberger, magazine subscriptions...	231 00

## EXPENDITURES

103

Houghton, Mifflin Co., Books.....	\$12 80
The Macmillan Co., books.....	2 55
H. M. Connor, books.....	35 35
A. Flanagan Co., books.....	7 27
Ginn & Co., books.....	10 01
Russian Information Bureau, book.....	1 25
John T. Theodore, books.....	79 03
Roche & Whitehead, book.....	65
H. W. Wilson Co., books.....	18 00
J. L. Hammett, books.....	34 96
Independent Corporation, books.....	5 00
Goodspeeds Book Shop, books.....	10 00

**Binding Books**

Paid:

H. W. Wilson Co., binding guide.....	\$ 1 00
Cedric Chivers, binding books, magazines.....	302 25

**Other General Expense**

Paid:

N. E. Tel. & Tel. Co., rental and tolls.....	\$ 53 02
American Express Co., expressing.....	25 61
Boston & Maine R. R., freight.....	8 91
W. J. McClennan, expressing.....	4 75
Welch's Express, expressing.....	4 22
Ball's Express, expressing.....	37
Geo. H. Janes, Jr., electrical repairs.....	37 26
Medford Messenger, advertising.....	10 00
J. C. Miller, Jr., bulletins, printing.....	321 00
A. L. Sargent, cash paid for membership dues, books, envelopes, sundries.....	141 08
Medford Water Dept., water.....	16 44
Page & Curtin, labor, plumbing, hardware....	100 11

David Anderson, lock repairs, etc.....	\$ 4 50
Medford Publishing Co., subscription, advertising .....	17 00
John A. Gaffey, loam.....	8 00
E. J. Hervey, matches.....	30
Sinclair Hardware Co., grass seed, gas plate, etc. ....	21 70
Medford Purchasing Dept., carbon paper....	2 50
Roy S. White, carpentry.....	93 59
C. H. Tinkham, post cards, repairing clock....	9 00
George W. Hersey, prints.....	3 00
Clifford-Black & Co., mirror.....	7 00
W. B. Emery, reseating chairs.....	23 57
Warren H. Keay, glazing.....	2 50
American Library Ass'n., dues.....	7 00
Library Art Club, dues.....	6 00
Adams, Cushing & Foster, rubber bands, pads..	4 15
Boston Filter Co., service filter.....	22 00
New England Co., towel supply.....	19 80
I. J. Peabody, desk.....	16 00
A. L. A. Pub. Co., subscription.....	3 00
Badger Fire Extinguisher Co., recharges.....	1 65
Stone & Forsyth Co., paper.....	76 70
Library of Congress, catalog cards.....	50 00
Somerville Brush Co., brushes.....	5 17
West Disinfecting Co., sweepine.....	28 00
H. B. McArdle, paper, ink, pens.....	11 20
Maynard & Duncan, spring for door.....	2 50
A. J. Wilkinson & Co., scissors.....	1 50
H. Truman, decorating for parade.....	15 00
Houghton & Dutton Co., cheese cloth.....	6 00
Sampson & Murdock Co., directory.....	8 00
Boston Index Card Co., cards.....	27 23
Daniel J. Swain, renovating picture.....	50 00
Brown-Howland Co., book pockets.....	9 63
Library Bureau, part payment on charging desk	375 00
Royal Typewriter Co., ribbon.....	1 00

EXPENDITURES

105

Sulpho-Naphthol Co., sylpho-nathol.....	\$	5 00
Talbot Chemical Co., tabo.....		1 25
U. S. Envelope Co., paper.....		7 75
		<hr/>
		\$12,077 36

**Agencies**

Paid:

Charles F. Odams, expressing to agents.....	\$132 00
A. F. Kearin, Agent at Hillside.....	30 00
Durant & Haushalter, Agents at Glenwood....	35 00
James Morrison, Agent at Tufts Square.....	95 00
Nahum E. Wilber, Agent at West Medford....	30 00
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	\$322 00

**PURCHASING DEPARTMENT**

**Salary of Purchasing Agent**

One year to Jan. 1, 1920.

Paid:

William H. Casey.....	\$2,500 00
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**Purchasing Department Expenses**

Paid:

Clerks, as per pay rolls.....	\$1,027 00
N. E. Tel. & Tel. Co., rental and tolls.....	136 13
Wm. H. Casey, use of auto, carfares, stamps....	349 57
Sinclair Hardware Co., oil heater.....	6 25

Ralph E. Peak, paste .....	\$	50
E. Teel & Co., gasoline.....		1 40
J. C. Miller, Jr., printing, envelopes.....		12 60
Welch's Express, expressing.....		53
Standard Carbon & Ribbon Co., carbon paper..		22 50
Wards, clips, blotters, sundries.....		1 75
John T. Dixon, ink, hand stamp.....		1 74
W. N. Campbell, record cards.....		40 00
Jas. J. Shannon & Co., copy file, binder.....		2 35
Wm. N. Campbell, filing cabinet.....		12 00
Kenney Bros. & Wolkins, cico paste.....		6 27
Universal Light Co., desk lamp.....		7 25
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		\$1,627 84

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### RELIEF OF POOR DEPARTMENT

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#### Salaries of Overseers of Poor and Secretary

One year to Jan. 1, 1920.

Paid:

John J. FitzGerald, Chairman.....	\$500 00
George J. Hackett.....	50 00
Reuben M. Pitman.....	50 00
George J. Hackett, Secretary.....	350 00
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	\$950 00

#### City Home

Paid:

Superintendent and Sundry Persons, as per pay rolls .....	\$2,033 99
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## EXPENDITURES

107

E. J. Hervey, groceries.....	\$136 49
J. J. O'Connell, groceries.....	190 25
Washington Sq. Pharmacy, drugs.....	4 35
John W. Enright, drugs.....	39 08
Willey & Ahern, drugs.....	40
Daniel N. Howard, drugs.....	27 21
H. A. Pinkham, shoes.....	3 00
D. Sahl, shoes.....	8 85
W. E. Gerry, dry goods.....	55 58
R. G. Fraser, dry goods.....	1 25
W. F. Leahy, tobacco, pipes, matches, etc.....	112 05
Summer St. Market, groceries and provisions..	743 77
A. J. Whittaker, groceries and provisions.....	17 00
H. P. Hood & Sons, milk.....	4 81
Pierce Fish Market, fish, oysters, clams.....	58 84
Locke Coal Co., coal, cement.....	332 06
J. N. Cowin & Co., grain.....	6 50
M. & M. Gas Lt. Co., gas.....	33 24
Malden Electric Co., light.....	105 20
Medford Water Div., water.....	86 73
Medford Publishing Co., printing.....	21 00
Medford Visiting Nurse Ass'n., services.....	14 00
H. F. Walker, shoeing, calks, tire, etc.....	157 63
Sinclair Hardware Co., kitchen ware, stone drag, wire, paint, hardware, pails, hose..	331 50
David Anderson, making keys.....	80
Geo. H. Janes, Jr., electrical repairing.....	11 50
Page & Curtin, copper, labor, knives.....	18 15
H. F. Staples & Co., wax oil.....	6 00
John H. Byron, masonry.....	26 25
C. H. Hartshorn, harness repairs, supplies....	8 70
W. C. Miles Co., post, lumber.....	4 75
Grant & Moland, lumber.....	25 13
John J. FitzGerald, cash paid for sugar, sun- dries .....	66 75
Edward Collins, labor.....	20 00
Felix Center, second hand bureau.....	7 00

Welch's express, expressing.....	\$ 3 12
American Express Co., expressing.....	1 71
Savage's Express Co., expressing.....	1 05
Ball's Express, expressing, horse.....	76 01
N. E. Tel. & Tel. Co., rental and tolls.....	46 34
Mystic Rubber Co., sheeting.....	1 80
Medford Scaler of Weights & Measures, scaling.	59
Dudley Garage, taxi service.....	28 00
Benjamin F. Haines, Government food stuffs..	188 45
P. Reynolds, cloth.....	7 50
Geo. W. Blanchard & Co., beaver board, posts, etc. ....	89 60
J. Cushing & Co., grain, meal.....	572 01
Fairmont Creamery Co., butter.....	39 04
Mason, Sanborn & Ramsdell Co., soap, rice, canned goods, cereals, cod fish.....	160 52
Benoit McShane Co., clothing.....	7 00
P. M. Leavitt Co., sugar.....	9 55
Reformatory for Women, clothing, bedding....	88 80
Holy Ghost Hospital, board, nursing.....	9 14
Joseph Breck & Sons, seeds, tools.....	63 08
Clark Bros. & Co., potatoes.....	51 50
Mass. State Prison, clothing, shoes, kettle.....	223 01
J. Fullarton & Co., coffee, tea.....	98 30
Gulf Refining Co., kerosene.....	63
Mass. Reformatory, blankets, towels, furniture..	56 51
Richardson, Wright & Co., beds, hospital sup- plies .....	227 15
Swift-McNutt Co., lumber.....	70 99
A. M. Tuttle & Co., trees, shrubs, vines.....	22 00
S. Gumpert & Co., food products.....	10 50
J. J. McCormack, plants.....	50 00
T. I. Reed, curing hams.....	6 10
C. H. Symmes, grain, flour.....	194 23
Sparrow, Chisholm & Co., bedding.....	90 18
Joseph Bernhardt, repairing and tuning piano	28 50
Atlantic Supply Co., cheese cloth.....	11 00



EXPENDITURES

109

Mass. Commission for the Blind, brooms, mops	\$ 13 80
Middlesex County House of Correction, brushes	2 72
Pettingell-Andrews Co., washing machine parts	38 00
Armour & Co., butter, lard, soap powder.....	176 79
Champlin & Hobbs Box Co., posts.....	10 00
W. G. Potter, pigs.....	40 00
Glendale Coal Co., coal.....	898 99
J. G. Johnston Co., special police badge.....	1 50
Morey & Co., soap powder.....	15 24
Pitman-Moore Co., serum.....	12 92
Benjamin W. Pike, robe.....	15 00
United Building Wrecking Co., lumber, windows	40 50
	\$8,519 26

**City Home Repairs**

Paid:

Robert Burrows, labor.....	\$168 00
John H. Byron, masonry.....	51 50
Frank J. Gerraughty, carpentry.....	60 00
James M. Gibbons, painting.....	285 00
	\$564 50

**City Home—Painting**

Paid:

James M. Gibbons, painting.....	\$200 00
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**City Home Furnishings**

Paid:

Crown Window Shade Co., shades.....	\$ 55 30
Sparrow-Chisholm & Co., dry goods.....	17 75
C. B. Gorton, furniture.....	50 00
Smith Drug Co., drugs and emergency supplies	87 17

Richardson, Wright & Co., glass shelves, supplies .....	\$ 18 51
James M. Gibbons, painting.....	25 00
Mystic Rubber Co., sheeting.....	3 60
Anderson & Anderson, stove repairs.....	6 50
W. E. Gerry, dry goods.....	12 17
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	\$276 00

### Outside Relief

#### Paid:

Widows with dependent children, as per pay rolls	\$13,134 00
Sundry Persons, cash allowances.....	1,062 07
Durant & Haushalter, groceries.....	41 00
E. J. Hervey, groceries.....	146 00
H. P. Hood & Sons, milk.....	33 59
W. A. Whitney, drugs.....	2 20
John W. Enright, medicines.....	10 90
Daniel N. Howard, medicines.....	77 08
W. F. Plummer, medicines.....	14 95
Washington Sq. Pharmacy, medicines.....	9 75
Wiley & Ahern, medicines.....	2 09
T. D. Collins, groceries and provisions.....	231 00
F. H. Lovering, groceries and provisions.....	164 00
N. A. Johnson, groceries and provisions.....	354 00
A. J. Whittaker, groceries and provisions.....	562 00
L. E. Ingraham, groceries and provisions.....	18 00
Riverside Market, groceries and provisions....	6 00
Summer St. Market, groceries and provisions..	130 21
The Brackett Market, groceries and provisions	5 00
Hillside Public Market, groceries and provisions	40 00
Harrison G. MacNeal, groceries and provisions..	29 00
H. A. Pinkham, shoes.....	49 35
D. Sahl, shoes.....	194 70
John J. FitzGerald, carfares, stamps, sundries..	69 84
Frederick N. Beals, burials.....	120 00

## EXPENDITURES

111

M. J. Dillon, board.....	\$184 50
Mrs. Field, board.....	156 38
Eva Hazelton, board.....	156 38
Lucy A. Aiel, board.....	36 00
Mrs. Cross, board.....	4 00
Mrs. Ingalls, board.....	56 00
W. S. Sherman, rent.....	180 00
Mrs. McGinn, care.....	10 00
Mr. Ridlon, rent.....	158 00
Locke Coal Co., coal.....	366 50
W. E. Gerry, dry goods.....	4 37
Mrs. Castilanno, nursing.....	30 00
Gertrude Hines, nursing.....	15 00
Katherine Amsler, nursing.....	28 00
J. C. Miller, Jr., printing.....	7 25
Dearborn Hospital, board and care.....	140 00
Edward J. Gaffey, burials.....	75 00
Mary W. Clark, board and care.....	120 00
Paul Haley, M. D., professional services.....	43 00
F. C. Cassidy, M. D., professional services....	3 00
A. D. Guthrie, M. D., professional services....	30 00
Cradock Garage, taxi service.....	1 00
Dudley Garage, taxi service.....	15 50
Welch's Express, expressing.....	1 32
American Express Co., expressing.....	40
Commonwealth of Massachusetts, aid.....	789 32
State Board of Charity, support.....	289 55
City of Boston, aid rendered.....	310 33
City of Malden, aid rendered.....	314 53
City of Everett, aid rendered.....	153 07
City of Quincy, aid rendered.....	227 87
City of Somerville, aid rendered.....	1 50
Susan Coots, board.....	156 38
Mrs. Ida Whelpley, board.....	182 50
Elizabeth Cavanaugh, board.....	144 38
James Brady, board.....	156 38
Michael A. Carr, board.....	312 76

Mrs. I. M. Croft, board.....	\$156 38
Anna M. Starbuck, board.....	35 00
Mrs. White, board.....	23 31
Holy Ghost Hospital, board.....	152 01
Mass. Homoeopathic Hospital, board.....	145 11
Somerville Hospital, board, care.....	122 15
Mass. General Hospital, board.....	55 00
John E. Murphy, rent.....	102 00
G. S. Harvey, rent.....	100 00
John E. Kauler, burial.....	30 00
Eastern Drug Co., malted milk.....	22 50
Hobbs & Warren, printing.....	75
T. I. Reed, curing hams.....	3 15
Armour & Co., butter.....	41 58
Jordan, Marsh Co., skirt.....	6 95
Willard B. Segur, M. D., professional services..	27 50
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	\$22,390 29

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### SCHOOL DEPARTMENT

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#### Salary of Secretary

One year to Jan. 1, 1920.

Paid:

Joseph C. Smith.....	\$300 00
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#### Salary of Superintendent of Schools

One year to Jan. 1, 1920.

Paid:

Fred H. Nickerson.....	\$3,440 00
State Teachers' Retirement Board.....	100 00

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\$3,540 00

**Medical Inspection**

Paid:

Edward W. Barrett, M. D., salary, one year to Jan. 1, 1920.....	\$500 00
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**Stewardship including Truant Officer**

Paid:

Engineers, Stewards and officer, as per pay rolls	\$19,003 54
The Buildings Care Co., cleaning windows....	156 00
	<hr/>
	\$19,159 54

**Salaries of Teachers, Substitutes and Clerks**

Paid:

Sundry Persons, as per pay rolls.....	\$200,306 43
State Teachers' Retirement Board.....	6,955 03
Ila D. Berry, refund of money paid to retire- ment fund .....	9 00
	<hr/>
	\$207,270 46

**Fuel**

Paid:

Locke Coal Co., coal.....	\$ 5,916 96
Standard Charcoal Co., charcoal.....	159 00
J. E. Ober & Son, coal.....	1,125 15
John A. Gaffey, teaming coal.....	24 39
Wellington & Buck, coal.....	723 80
National Coal Sales Co., coal.....	1,884 24
Glendale Coal Co., coal.....	3,612 95
Boston & Mairne R. R., freight on coal.....	2,222 66
	<hr/>
	\$15,669 15

### General Expenses

Paid:

N. E. Tel. & Tel. Co., rental and tolls.....	\$ 545 79
W. J. McClellan, expressing.....	156 25
Savage's Express, expressing.....	19 51
American Express Co., expressing.....	15 27
Welch's Express, expressing.....	16 41
Ball's Express, expressing.....	23 53
Boston & Maine R. R., freight.....	57
Charles F. Odams, expressing.....	27 60
M. & M. Gas Lt. Co., gas.....	111 24
Malden Electric Co., light, power.....	1,310 02
M. W. Raymenton, stamped envelopes.....	27 04
Anderson & Anderson, pails.....	1 50
Annie I. Letson, post cards, envelopes, stamps.	35 72
J. C. Miller, Jr., printing.....	74 00
Medford Police Dept., services.....	29 25
Sinclair Hardware Co., tools, oil, hardware, barrels, cord, mops, mower, batteries, etc.....	573 31
Wm. H. Casey, keys.....	50
H. F. Staples & Co., floor oil, polish.....	265 00
Medford Publishing Co., printing.....	72 75
R. G. Fraser, ribbon, cheese cloth.....	20 00
John W. Enright, drugs.....	5 02
Mrs. J. F. Dwyer, rent for land, Fulton St.....	75 00
Geo. W. Parsons, expense looking up teachers..	2 34
C. H. Tinkham, clocks.....	103 85
Margaret E. Grady, expense looking up teacher	1 64
Washington Sq. Pharmacy, drugs.....	91
Clifton W. M. Blanchard, engrossing diplomas	30 70
John A. Gaffey, loam.....	12 00
Dudley Garage, taxi service, grinding mower..	18 00
William J. Hixon, keys.....	1 25
Geo. H. Janes, Jr., electrical supplies.....	5 25
Frank Hathaway, repairing mowers.....	16 00

## EXPENDITURES

115

Jessie M. Dinsmore, telephone calls.....	\$ 1 30
Harry F. Weir, drugs.....	3 18
Page & Curtin, hardware, varnish, brushes....	14 55
James D. Howlett, stamped envelopes.....	21 44
Medford Purchasing Dept., carbon paper.....	2 50
Mildred S. Jones, carfares, etc.....	2 89
Fred H. Nickerson, expense securing teachers..	26 93
Wellman Co., repairing lawn mower.....	1 25
Ducharme Machine Co., grinding mower.....	1 50
Medford Park Dept., mowing grass.....	30 00
Frank S. Gilkey, expense looking up teacher....	2 44
Herbert J. Healey, labor.....	1 50
Ralph E. Peak, clips.....	50
Daniel N. Howard, alum, chamois.....	2 30
James W. Poole, Inc., electrical supplies.....	70 25
Singer Sewing Machine Co., repairing.....	1 50
Remington Typewriter Co., adjusting.....	2 56
Adams, Cushing & Foster, envelopes.....	18 32
Vera Chemical Co., soap powder.....	41 42
H. B. Smith Co., brush.....	1 80
W. N. Campbell, cards.....	43 83
John T. Dixon, stamp, ink, repairs, etc.....	25 67
American Bank Note Co., diplomas.....	139 60
A. M. Morton & Co., tools, hardware.....	173 65
Edw. E. Babb & Co., general supplies.....	10 30
Gulf Refining Co., kerosene.....	6 88
Sargent & Co., keys.....	92
Amigraph Co., stencil paper.....	16 20
Imperial Brush Co., brushes, dusters.....	445 50
Graphic Duplicator Co., supplies.....	40 00
White & Leahy, sawdust.....	11 20
Stone & Forsyth Co., paper supplies.....	1 70
Perkins Institution, care of pianos.....	115 00
Kenney Bros. & Wolkins, general supplies....	100 00
Underwood Typewriter Co., repairs, tables...	128 75
Joseph Breck & Sons, duck covers, tongue de- pressors .....	6 70

Boston Feather Duster Co., dusters.....	\$ 48 94
Iver Johnson Sporting Goods Co., athletic supplies .....	24 51
Johnson Service Co., supplies.....	20 00
Mason, Sanborn & Ramsdell Co., soap.....	18 75
E. E. Hayes Co., carbon paper.....	20 00
Geo. T. Johnson Co., paper.....	146 00
Carter, Rice & Co., paper.....	2 80
West Disinfecting Co., disinfectant.....	17 50
Allen Shade Holder Co., shade roller.....	83
William Leavens & Co., furniture.....	9 00
City of Malden, tuition.....	225 00
Middlesex County, support at Training School..	233 13
Brown-Howland Co., filing sections, cards.....	117 27
J. W. Bailey & Sons Co., lumber.....	1 44
American Seating Co., labor.....	212 89
Golding Mfg. Co., tool.....	55
Eagle Oil & Supply Co.; paint, plugs.....	10 23
Adams, Taylor & Co., whiskey.....	3 00
Porter E. Sargent, hand book.....	2 50
Western Electric Co., electrical supplies.....	45 77
Mass. Commission for the Blind, brooms.....	10 00
Armstrong Cork & Insulation Co., corks.....	65
Dennison Mfg. Co., tags.....	1 50
Mrs. Margaret Dale, floor mops.....	5 84
Middlesex County House of Correction, mats..	64 72
Talbot Chemical Co., tabo.....	1 50
Library Bureau, cards.....	53 56
Eastern Drug Co., brimstone roll.....	4 50
Harold E. Spencer, engrossed diplomas.....	34 60
Atlantic Supply Co., cheese cloth.....	104 17
Thomas Groom & Co., book, office supplies....	7 75
Standard Electric Time Co., clock repairs.....	13 10
Globe-Wernicke Co., files .....	1 58
Royal Typewriter Co., adjusting.....	2 50

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\$6,577 33



## Repairs—School Department

Paid:

H. F. Walker, repairing pokers, boiler plug, etc.	\$ 8 75
W. B. Emery, shade repairs, reseating chairs..	70 27
Page & Curtin, plumbing and heating repairs..	1,158 26
Arthur D. Chickering, extra work.....	25 15
Anderson & Anderson, plumbing and roof re- pairs .....	329 70
L. G. Tyler, carpentry.....	916 09
O. L. Soderlund, glazing.....	254 55
Geo. S. T. Fuller, expenses for committee.....	120 00
C. H. Tinkham, clock repairs.....	35 75
John H. Byron, masonry.....	350 05
L. C. Poor, repairing flags.....	13 04
Wm. E. Ober, electrical supplies, labor.....	172 28
Louis G. Bragdon, cement, labor.....	75 00
Wm. S. Richards, heating, plumbing, roof and drain repairs .....	1,103 92
Medford Highway Dept., labor.....	28 00
Wm. H. Lenox, on contract for Franklin School	750 00
John E. Dyer, labor and supplies, repairing at various schools .....	7,649 58
Frank T. Hook, granolithic work on contract..	1,641 30
Sinclair Hardware Co., sundries.....	5 51
American Express Co., expressing.....	4 76
Isaac Coffin Co., grates.....	37 50
E. Howard Clock Co., batteries, labor.....	32 98
Reformatory for Women, flags.....	100 00
Allen Shade Holder Co., shade cords.....	4 50
Andrew Dutton Co., shades, repairing.....	458 95
Oliver Whyte Co., door guards, labor.....	16 00
James Wilkinson Co., repairing phones.....	13 23
Crosby Steam Gage & Valve Co., repairing valve	4 50
Kennedy Bros. & Wolkins, iron supports.....	11 20
Roberts Iron Works, boiler and labor.....	816 34

Powers Regulator Co., labor and supplies.....	\$	80	73
Johnson Service Co., labor.....		217	34
		<hr/>	
		\$16,505	24

### Text Books and Supplies

Paid:

P. Volpe & Sons, supplies for cooking classes..	\$	3	16
N. A. Johnson, supplies for cooking classes....		94	70
E. J. Hervey, supplies for cooking classes.....		381	55
Medford Ice Co., ice.....		49	06
R. G. Fraser, bunting, ribbon, cheese cloth....		95	14
Sinclair Hardware Co., manual training supplies		73	93
W. C. Miles Co., lumber.....		79	05
Page & Curtin, repairing pail.....		30	
Lillian R. Edmands, biology supplies.....		20	81
American Express Co., expressing.....		1	20
Oliver Ditson Co., music.....		31	75
Edw. E. Babb & Co., general school supplies....		6,122	24
Chandler & Barber Co., manual training sup- plies .....		31	90
Carl Fischer, music.....		8	52
Chas. M. Homeyer & Co., pitch pipe.....		78	
John Carter & Co., cards, papers.....		246	42
Royal Typewriter Co., shields, covers, etc.....		51	25
Amigraph Supplies Co., duplicator supplies....		64	55
Milton Bradley Co., drawing supplies.....		730	93
Jordan, Marsh Co., sewing supplies, cooking utensils .....		162	87
Kenney Bros. & Wolkins, general supplies....		37	15
W. O. Hickok Co., binding presses.....		16	20
Hoole Machine & Engraving Works, manual training supplies .....		15	12
Remington Typewriter Co., typewriters.....		152	45
J. B. Hunter, knife blade.....		25	

## EXPENDITURES

119

Leonard Danziger, rubber tubing.....	\$ 4 13
C. H. Stoelting Co., laboratory supplies.....	1 77
Spaulding-Moss Co., compass points.....	4 60
J. W. Bailey & Sons Co., dowels.....	7 26
Geo. W. Blanchard & Co., manual training supplies .....	189 50
American Type Founders Co., printers' supplies .....	30 46
Marshall Son & Co., binder boards, muslin....	8 23
L. E. Knott Apparatus Co., laboratory supplies	103 90
Singer Sewing Machine Co., repairs.....	7 25
Underhill Bros., grinding and repairing tools.	11 64
F. W. Woolworth Co., needles, brushes, cups..	1 80
Underwood Typewriter Co., covers, repairing.	26 81
Western Electric Co., labor, supplies.....	2 00
Office Appliance Co., ink.....	6 00
The Boston Music Co., music.....	3 43
Hub Moulding Co., moulding.....	1 10
Geo. J. Kelly Co., ink crystals.....	20 00
Foster & Co., bottles.....	3 50
E. E. Hayes Co., typewriter ribbon.....	118 76
Clapp & Tilton Co., millinery supplies.....	26 18
Marsh Farm, milk.....	11 25
Eimer & Amend, rubber stoppers.....	4 82
Eastern Drug Co., chemicals.....	16 17
George Watson, binding books.....	501 00
Graphic Duplicator Co., supplies.....	4 12
F. D. Sterritt Lumber Co., lumber.....	260 18
H. C. Hansen Type Foundry, type.....	1 36
Butterick Pub. Co., patterns.....	3 70
Ledder & Probst, blue print paper.....	76
Scientific Materials Co., laboratory supplies....	52 48
Spaulding-Moss Co., drawing boards.....	19 44
Allyn & Bacon, books.....	35 14
Silver, Burdett & Co., books.....	165 19
American Book Co., books.....	1,887 81
Houghton, Mifflin Co., books.....	302 83

Ginn & Co., books.....	\$ 640 24
Little, Brown & Co., books.....	160 12
Gregg Pub. Co., books.....	204 87
D. C. Heath & Co., books.....	250 16
Charles Scribners' Sons, books.....	36 00
The Macmillan Co., books.....	80 50
Benj. H. Sanborn & Co., books.....	70 79
Whitecomb & Barrows, books.....	3 89
D. Appleton & Co., books.....	3 12
H. M. Rowe Co., books.....	4 00
John C. Winston Co., books.....	1 18
The Ronald Press Co., books.....	4 80
Schoenhofs, books.....	42 66
Taylor-Holden Co., books.....	5 15
C. C. Birchard & Co., books.....	1 67
	<hr/>
	\$13,825 00

### Evening School

#### Paid:

Sundry Persons, as per payrolls.....	\$1,443 00
Charles H. Abbott, labor.....	3 00
Edw. E. Babb & Co., school supplies.....	11 00
McIntosh Pub. Co., calculation pads.....	12 80
Medford Police Dept., services.....	7 00
Medford Publishing Co., printing.....	8 50
Milton Bradley Co., drawing supplies.....	19 99
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	\$1,505 29

### Summer School

#### Paid:

Sundry Persons, as per pay rolls.....	\$885 00
J. C. Miller, Jr., printing.....	5 00

EXPENDITURES

121

Edw. E. Babb & Co., stationery.....	\$ 11 98
Sinclair Hardware Co., manual training supplies	55
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	\$902 53

Trade Schools

Paid:

City of Somerville, tuition.....	\$1,068 92
City of Boston, tuition.....	277 65
Town of Reading, tuition.....	52 00
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	\$1,398 57

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SEALER OF WEIGHTS AND MEASURES

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Salary of Sealer

One year to Jan. 1, 1920.

Paid:

Winslow Joyce.....	\$1,000 00
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Expenses of Sealer of Weights and Measurers

Paid:

N. E. Tel. & Tel. Co., rental and tolls.....	\$ 23 94
L. M. Sheldon, assisting sealer.....	1 50
Ellen L. Tisdale, assisting sealer.....	4 80
A. A. Samson, assisting sealer.....	3 00
Winslow Joyce, carfares, stamps, labor.....	26 70
E. B. Wallace, labor.....	4 50
Medford Furniture Exchange, office cabinet....	12 00

James McNamara, labor.....	\$ 9 00
A. T. Wallace, carriage hire.....	9 00
Cradock Garage, use of car.....	13 50
Medford Publishing Co., printing.....	6 00
E. J. Hervey, oil.....	85
Grant & Moland, lumber, labor.....	3 00
Wm. N. Curtis, horse hire.....	105 00
Page & Curtin, hardware.....	11 98
Sinclair Hardware Co., electric heater.....	10 40
Henry Center, use of auto truck.....	12 00
Leonard Cooper, labor.....	9 00
Samuel Cooper, labor.....	18 00
J. C. Miller, Jr., printing, stamped envelopes..	25 50
Wolcott Farmer, labor.....	13 50
American Express Co., expressing.....	31
Allen Bros., steel stamps.....	10 80
W. A. Greenough & Co., directory.....	5 00
Dover Stamping Mfg. Co., testing measure....	21 40
Hobbs & Warren, record books, stationery.....	37 75
The Fairbanks Co., adjusting scale.....	6 41
Scale Journal Pub. Co., subscription.....	2 00
W. & L. E. Gurley, dies, sealing supplies.....	31 01
W. W. Winship, bag.....	12 15
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	\$450 00

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### TREASURY DEPARTMENT

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#### Salary of City Treasurer

One year to Jan. 1, 1920

Paid:

Edward A. Badger.....	\$2,000 00
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**Treasury Department Expenses**

## Paid:

N. E. Tel. & Tel Co., rental.....	\$ 25 52
Edward A. Badger, carfares, postage.....	13 78
American Bank Note Co., check books.....	36 50
Adams, Cushing & Foster, pens, books.....	5 15
J. C. Miller, Jr., stamped envelopes, printing..	69 35
Ralph E. Peak, envelopes, bands.....	18 15
Craddock Garage, rent of car.....	9 75
S. V. Strachan, rent of car.....	11 50
American Express Co., expressing.....	34
	<hr/>
	\$190 04

**WATER AND SEWER DEPARTMENT****Salaries of Commissioners**

One year to Jan. 1, 1920.

## Paid:

John D. Dwyer, chairman.....	\$ 50 00
Robert E. Ferguson.....	50 00
Peter A. McDonald.....	50 00
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	\$150 00

**Brooks and Streams**

## Paid:

Workmen, as per pay rolls.....	\$243 95
Geo. W. Blanchard & Co., lumber.....	46 21

Coleman Bros., rent of mixer, labor, teaming..	\$107 50
Dennis F. Dwyer, sand.....	34 50
Medford Water Div., expense of garage and ad- ministration .....	67 84
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	\$500 00

### Whitmore Brook

#### Paid:

Workmen, as per pay roll.....	\$2,531 83
Medford Engineering Dept., labor, carfares....	83 22
Medford Sewer Construction, lumber, brick, nails, crushed stone.....	72 84
Medford Water Div., expense of garage and administration .....	204 32
Fred L. Cushing, carfares, recording.....	4 90
J. E. Sweeny, making cement forms, labor.....	332 25
Sinclair Hardware Co., paint, oil, batteries....	24 32
J. E. Ober & Son, storage for cement.....	20 00
Coleman Bros., use of mixer.....	108 00
Geo. W. Blanchard & Co., lumber.....	197 14
Harold L. Bond Co., repairing hose.....	7 00
General Crushed Stone Co., crushed stone.....	326 92
Franklin Rubber Co., rubber boots.....	24 00
Penn Metal Co., metal mesh.....	734 40
Standard Oil Co., oil.....	15 30
Waldo Bros., cement.....	555 07
W. A. Wood, oil.....	7 00
Boston & Maine R. R., freight.....	131 67
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	\$5,380 18



## Sewer Construction

Paid:

Workmen, as per pay rolls.....	\$ 9,965 58
Medford Engineering Dept., labor, releases....	538 56
Medford Highway Dept., use of steam roller....	10 00
Medford Water Div., expense of garage and ad- ministration .....	10,062 56
Medford Ice Co., moving compressor.....	5 00
Grant & Moland, filing and setting saws.....	7 45
P. Reynolds, cheese cloth.....	21 25
J. A. & F. A. Walker, lumber.....	664 09
Claudia Bilodeau, abatement.....	24 10
Locke Coal Co., drain pipe.....	86
John A. Gaffey, sharpening drills, dynamite ex- ploders .....	56 43
Medford, Whitmore Brook, cement, bags.....	147 18
Boston & Maine R. R., freight.....	44 77
Stone & Forsyth Co., jute packing.....	54 61
Franklin Rubber Co., rubber boots.....	71 52
Union Cotton Mfg. Co., cloth.....	163 09
Spiers Brick Co., brick.....	295 90
Standard Oil Co., oil.....	82 80
Geo. W. Blanchard & Co., lumber.....	3 30
H. I. Dallman Co., brooms.....	14 21
American Tar Co., tarine.....	39 00
Coleman Bros., crushed stone.....	21 31
Chas. J. McCarthy & Co., lanterns.....	52 50
Perrin, Seamans & Co., pump parts, rubber mittens .....	57 14
General Crushed Stone Co., crushed stone.....	88 38
John W. Ramsay, sewer pipe.....	398 04
Gibby Foundry Co., frames, covers.....	98 75
Simpson Bros., Corp'n., use of steam roller....	18 00
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	\$23,006 38

## Sewer Maintenance

## Paid:

Workmen, as per pay rolls .....	\$1,235 28
Mrs. Geo. Guaraldi, for damage by sewer.....	70 00
E. J. Hervey, chloride of lime.....	90
H. M. Sawyer & Son, oiled clothing.....	46 40
J. O. Goodwin, for damage by sewer.....	30 00
Chas. J. McCarty & Co., tools, brush.....	37 90
Stone & Forsyth Co., twine.....	140 40
Lane's Cafe, lunches .....	1 40
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	\$1,562 28

## Water Service

## Paid:

Workmen, as per pay rolls.....	\$38,018 73
Fred L. Cushing, Water Registrar, salary, one year to Jan. 1, 1920.....	1,866 67
Fred L. Cushing, Clerk of Board, salary, one year to Jan. 1, 1920 .....	204 00
Fred L. Cushing, cash paid for carfares, Justice fee, cleaning office .....	50 07
Henry F. Hughes, acting Superintendent, salary, one year to Jan. 1, 1920.....	1,866 67
Medford Engineering Dept., labor, carfares, blue prints, releases .....	291 78
Medford Postoffice, stamped envelopes, stamps	120 40
Medford Ice Co., moving compressor, ice.....	66 60
Medford Pub. Co., printing .....	29 00
Medford Sealer of Weights & Measures, seal- ing .....	2 04
Medford Purchasing Dpt., paste .....	1 25
N. E. Tel. & Tel. Co., rental and tolls.....	133 89
Boston & Maine R. R., freight, labor.....	225 45

## EXPENDITURES

127

American Express Co., expressing.....	\$ 34 75
Welch's express, expressing .....	4 24
Savage's Express Co., expressing .....	5 29
L. H. Phelps, grain .....	24 30
Medford Hillside Garage, tires.....	60 41
W. H. Frazier, distilled water .....	35
Clark's Service Station, labor on motor.....	8 25
Lane's Cafe, lunches for workmen.....	2 25
C. H. Hartshorn, leather, repairs on truck....	24 75
Ralph E. Peak, blank books .....	54
P. Karahalis, for damage by water .....	75 00
Warren H. Keay, paint, oil .....	30 15
George Skinner, repairing cover .....	3 00
Charles F. Maher, auto sundries.....	4 00
Malden Electric Co., light .....	152 28
M. & M. Gas Lt. Co., gas.....	3 72
Willey & Ahern, drugs .....	8 85
L. E. Fitzpatrick, labor, supplies .....	242 32
Locke Coal Co., coal, pipe.....	173 70
Page & Curtin, repairs, supplies .....	9 11
Sinclair Hardware Co., oil, paint, batteries, lanterns, bulbs, fencing, screws, etc.....	431 12
J. E. Sweeny, carpentry .....	162 00
E. Teel & Co., Auto Dpt., truck, parts, repairs.	1,679 25
E. Teel & Co., wagon parts, painting, etc.....	99 62
Teel Mfg. Co., auto sundries .....	82 03
C. H. Tinkham, hanging clock.....	1 50
H. F. Walker, shocing, repairing tools.....	693 25
Anthony Zacher, auto repairs, parts, tires....	1,042 70
Cradock Garage, auto parts, repairs.....	98 27
J. N. Cowin & Co., grain .....	42 15
John W. Enright, ammonia, alcohol.....	10 98
Grant & Moland, filing saws .....	6 50
Daniel N. Howard, drugs, etc.....	1 05
W. C. Miles Co., sawdust, lumber .....	10 00
J. C. Miller, Jr., printing .....	272 50
Margaret I. Walsh, for water damage.....	52 00

John A. Gaffey, crushed stone.....	\$ 1 56
E. J. Hervey, soda, bon-ami .....	82
C. E. Fay-Allen Co., parts, roadster car.....	1,088 57
Boston Engineers' Supply Co., valves, etc.....	30 10
Builders' Iron Foundry, sleeves, bends, tees..	616 34
Cadillac Automobile Co., labor, parts .....	476 15
Chadwick-Boston Lead Co., lead pipe, wool, pig lead, solder .....	1,361 83
Chandler & Farquhar, tools .....	14 10
Chapman Valve Mfg. Co., spindle drip valves.	49 27
Eddy Valve Co., nozzles .....	347 97
Hersey Mfg. Co., detector meters, parts.....	1,711 27
Kennedy Valve Mfg. Co., fittings .....	1,072 82
A. M. Morton & Co., unions, wrenches, pipe...	503 76
H. Mueller Mfg. Co., meter parts.....	747 16
Joseph Palmer, auto repairs .....	40 75
Rensselaer Valve Co., hydrant parts .....	24 78
Standard Oil Co., oil, gasoline .....	2,220 05
Universal Refining Co., auto soap .....	8 00
Walworth Mfg. Co., cocks, valves, wrenches..	35 96
Winchester Rock & Brick Co., crushed stone..	40 78
Woodman Mfg. & Supply Co., meter wire....	29 20
Gibby Foundry Co., gate and service box parts	317 69
Gulf Refining Co., oil.....	124 00
Kelly-Springfield M. T. Co., parts.....	437 41
Lead Lined Iron Pipe Co., pipe.....	1,830 52
Stewart Products Service Corp., repairs.....	75
Neptune Meter Co., meter parts.....	131 73
Norwood Engineering Co., hydrant post.....	12 00
Union Water Meter Co., meter parts.....	25 65
Frank L. Young Co., oil.....	18 00
Chas. J. McCarty & Co., tools, waste.....	37 00
National Meter Co., meter parts.....	16 73
Thomson Meter Co., repairing.....	10 55
Worthington Pump & Mchr'y Corp., parts....	12 43
Dyar Supply Co., drill, compressor.....	36 26
Stone & Forsyth Co., jute packing.....	57 69

## EXPENDITURES

129

Vacuum Oil Co., oil.....	\$ 11 21
A. P. Smith Mfg. Co., sleeves, gaskets.....	160 60
Vulcan Tool Mfg. Co., drills, sharpening.....	211 70
Richards & Co., sheet copper.....	26 89
Unit Mfg. Co., auto parts.....	18 00
R. D. Wood & Co., valves, leathers, screws...	32 41
Chadbourne Walker Machine Screw Co., serv- ice box locks.....	73 20
Coleman Bros., dynamite, exploders, stone....	249 96
Richardson & Clement, dies.....	24 15
Warren Foundry & Machine Co., pipe.....	1,361 81
C. A. Claffin Co., packing.....	43 21
Ludlow Valve Mfg. Co., valve.....	40 30
Geo. R. Bascom, auto parts.....	17 95
Perrin, Seamans & Co., grate, pump.....	11 00
Harold L. Bond Co., repairing tapes.....	6 00
Spiers Brick Co., brick.....	22 95
Mass. Highway Coms'n., registration fees.....	80 00
Adams, Cushing & Foster, office supplies.....	18 76
Geo. W. Blanchard & Co., lumber.....	12 04
Geo. N. Coyle, coke.....	29 25
Hill & Hill, salt bricks.....	2 25
Malden Veterinary Hospital, services.....	9 00
Mason, Sanborn & Ramsdell, soap.....	12 25
Norristown Magnesia & Asbestos Co., filler...	16 80
Vera Chemical Co., soap powder.....	5 25
The Cutler-Dickie Co., rubber cover, etc.....	11 00
Charles J. Doherty, refund.....	15 38
Dr. M. A. Morris, refund.....	8 57
State Forester's Office, lumber.....	21 00
United States Rubber Co., washers.....	6 52
Multipost Co., bulb.....	25
A. R. Andrews Co., typewriter ribbons.....	20 00
Josephine Cram, refund.....	1 50
J. Cushing & Co., grain.....	151 55
T. H. Lord, filing saws.....	6 25
John Taylor Dixon, hand stamp, ink.....	87

Standard Plate Glass Co., lenses.....	\$	6 00
Sumner & Dunbar, washers, labor.....		40 68
Western Electric Co., electric bulbs.....		3 23
Frank E. Wood, pens.....		4 00
City of Malden, water.....		2 24
Mass. Commission for the Blind, brooms.....		5 50
Means & Thacher, creosote thinner.....		3 00
Thomas Leighton, Jr., recording.....		25 90
Pneumatic Rubber Stamp Co., stamp.....		65
H. I. Dallman Co., brushes.....		25 70
O. J. Holt & Co., repairing headlights.....		11 25
Library Bureau, cards.....		6 83
B. L. Makepeace, sharpening pen.....		34
Addressograph Co., repairing.....		2 66
Baker-Vawter Co., loose leaf book.....		31 50
Boston Pub. Co., advertising proposals.....		8 05
Wm. R. Conard, inspecting pipe.....		12 92
Franklin Rubber Co., hose.....		45 00
Linde Air Products Co., oxygen.....		4 40
Morrison-Skinner Co., window screens, door..		50 50
Sampson & Murdock, directory.....		6 00
Travelers' Insurance Co., insurance.....		129 60
Dennison Mfg. Co., number sheets.....		30
Wilkins Potter Press, scratch pads.....		1 35
Engineering News-Record, subscription.....		5 00
Exide Battery Service Station, battery, etc....		30 00
Glendale Coal Co., coal.....		302 59
Linscott Motor Co., auto sundries.....		2 30
Robbins Spring Water Co., water.....		3 00
United Motor's Service, tools, parts.....		10 79
Boston Woven Hose & Rubber Co., hose, etc...		9 25
Middlesex Registry of Deeds, recording.....		7 75
Bailey & Weston, shade roller.....		1 60

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\$65,458 09

## EXPENDITURES

131

**Public Safety**

## Paid:

Charles H. Loomis, salary.....	\$116 67
Charles H. Loomis, sundries.....	1 33
Alice Bearse, salary as stenographer.....	70 00
Malden Electric Co., light.....	6 82
W. J. McClellan, expressing.....	50
N. E. Towel Supply Co., towel service.....	4 75
F. W. Norris Co., Agts., rent.....	25 00
N. E. Tel. & Tel. Co., rental.....	44 44
Remington Typewriter Co., ribbon.....	10 75
Herman L. Buss, cash paid for band.....	74 01
Iver Johnson Sporting Goods Co., red fire.....	30 00
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	\$384 27

**Food Production and Conservation**

## Paid:

J. E. Ober & Son, fertilizer.....	\$ 3 00
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**War Emergency**

## Paid:

Iver Johnson Sporting Goods Co., badges....	\$ 36 00
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**Departmental Equipment**

## Paid:

E. P. Sanderson Co., steel, bolts, etc.....	\$ 33 97
Joseph Palmer, springs, repairs.....	29 50
H. W. B. Powers, repairs, plate.....	5 25
W. C. Miles Co., lumber.....	6 48
H. F. Walker, stock, repairs.....	28 00
Wellman Co., studs.....	1 60
Knox Motors Associates, motor parts, repairs..	41 26

Richardson, Wright & Co., labor, iron.....	\$ 9 04
Cornelius Callahan Co., acid holders.....	40 00
Wadsworth, Howland & Co., paint, varnish....	21 44
North Star Plating Works, nickel plating.....	15 00
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	\$231 54

**Reception, Entertainment and Care of Medford Soldiers,  
Sailors and Marines**

Paid:

Alice Bearse, salary as stenographer, stamps....	\$ 307 85
Robert E. Winn, lettering sign.....	30 00
Fred Komlosy, designing and painting sign....	40 00
J. E. Dyer, carpentry on sign.....	86 75
Jimmie's Lunch & Bakery Co., catering.....	156 50
"The Players," entertainment.....	27 00
Ralph B. Preston, services of orchestra.....	14 00
Ralph E. Peak, envelopes.....	2 10
Jason Weiler & Sons, medals.....	1,080 00
Lane's Cafe, coffee, sandwiches.....	5 80
Boston Elevated Ry. Co., special car.....	17 28
Boston War Camp Community Service, song books .....	11 25
C. C. A. Cigar Co., cigars.....	71 78
James J. Coughlin, services of musicians.....	79 20
Charles B. Dunham, decoration and badges....	25 00
Iver Johnson Sporting Goods Co., flags.....	32 37
Byron S. Jackson, use of folding chairs.....	250 00
W. F. Leahy, cigars.....	9 00
L. H. & F. W. Lovering, carpentry.....	46 25
Joseph P. Manning Co., cigarettes.....	133 00
W. J. McClellan, expressing.....	3 00
Medford Publishing Co., printing.....	31 00
J. C. Miller, Jr., printing.....	5 50
Murray Printing Co., printing.....	151 25



EXPENDITURES

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N. E. Decorating Co., decorating Armory.....	\$ 100 00
F. H. Nickerson, postage, envelopes.....	26 28
J. L. O'Neil, services of band.....	110 00
M. B. Seaver, services of bands.....	467 50
Geo. J. Streck, transportation of men.....	1 76
Hubert C. Shedd, envelopes, post cards.....	4 09
F. O. Waterman, labor.....	7 50
Union Decorating Co., decorating.....	225 00
Hillside Sign Co., signs.....	72 00
Anderson & Yeomans, carpentry.....	104 94
E. F. Hicks, catering for banquet.....	1,365 00
Chas. H. Loomis, envelopes, postage, etc.....	5 40
Malden Electric Co., light.....	4 95
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	\$5,110 30

**Brooks and Lincoln Schoolhouse Equipment**

Paid:

John E. Dyer, labor and materials finishing room in Brooks School.....	\$1,150 00
Kenney Bros. & Wolkins, school furniture.....	147 88
Middlesex County House of Correction, mats..	22 12
American Seating Co., desks.....	626 25
Edw. E. Babb & Co., blackboards.....	64 00
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	\$2,010 25

**Memorial Honor Roll**

Paid:

Medford Publishing Co., advertising proposals	\$ 3 75
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## CITY AUDITOR'S STATEMENT

From the beginning of the Financial Year, January 1, 1919, to December 31, 1919, inclusive.

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
Aldermen's Contingent.....App.	\$ 500.00			\$ 500.00	\$16.45	\$ 483.55		
Armory .....App.	1,100.00		\$900.00	2,000.00		2,000.00		
Auditing Municipal Accounts .....Warrant	442.88			442.88		442.88		
Board of Survey ..... } Bal.	230 00							
} App.	50.00		60.00	340.00		86.15	\$253.85	
Bonds of City Officials (Premiums) .....App.	601.00	\$31.12		632.12		632.12		
Boston Elevated Railway Tax Warrant	82,669.94			82,669.94		82,669.94		
Brooks and Lincoln School- house Equip. ....App.	3,000.00			3,000.00		2,010.25	989.75	
Celebration of July 4th.....		200 00		200.00	50.00	150.00		
Charles River Basin Assessment Warrant	3,197.35			3,197.35		3,197.35		
Claims .....App.	5,000.00	2,260.30		7,260.30	1,508.93	5,751.43		
City Hall (Construction)...Bal.	98,270.85			98,270.85			98,270.85	
City Hall (Expenses).....App.	9,200.00	420.11		9,620.11		9,620.11		

Decoration and care of Firemen's and Soldiers' Graves							
App.	500.00	303.20		803.20	25.00	778.20	
Departmental Equipment	Bal.	232.55		232.55	1.01	231.54	
Development of the Port of Boston							
App.	12,000.00			12,000.00		12,000.00	
Emergency Overdraft		26,350.00		26,350.00		*26,350.00	
Fire Prevention Tax	Warrant	517.82		517.82		517.82	
Fire-proof Vault		500.00		500.00			500.00
Food Production and Conservation							
Bal.	15.00		13.07	28.07		3.00	25.07
Fuel Administration Expenses							
Bal.	102.32		45.60	147.92			147.92
Fulton Heights Schoolhouse							
App.	50,000.00			50,000.00		7,344.83	42,655.17
Hancock Avenue Schoolhouse							
Bal.	95.53	1,017.52		1,113.05		763.05	350.00
High Schoolhouse Addition							
Bal.	2,556.75			2,556.75	395.85	1,976.20	184.70
Income from Trust Funds							
Bal.	158.32		1,220.73	1,379.05		1,191.95	187.10
Insurance							
Bal.	1,590.24						
App.	11,000.00	372.77	248.00	13,211.01	31.12	13,179.89	
Interest, including certification of Notes							
App.	86,000.00	300.00	24,145.67	110,445.67	9,208.06	101,237.61	
Interest on the Water Debt							
Bal.	2,504.69		5,296.93	7,801.62	300.00	5,000.00	2,441.62
Junior High Schoolhouse							
Bal.	17,565.72						
App.	8,400.00		102.12	26,067.84		25,500.57	507.27
Memorial Honor Roll							
App.	5,000.00			5,000.00		3.75	4,996.25
Metropolitan Park Tax							
Warrant	19,406.33			19,406.33		19,406.33	
Metropolitan Sewer Tax							
Warrant	33,634.25			33,634.25		33,634.25	

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	Unexpended Balances	Excess
Metropolitan Water Tax.....		41,326.80		41,326.80		41,326.80		
Middlesex County Tax, Warrant	40,011.68			40,011.68		40,011.68		
Miscellaneous Account...App.	2,500.00	270.70		2,770.70		2,770.70		
Miscellaneous Credits .....			125,133.50	125,133.50	124,315.40	818.10		
Osgood Schoolhouse .....	Bal. 117.68			117.68		111.60	6.08	
Payment of City Debt. } Bal.	21,458.96							
} App.	111,200.00	40,215.78	125,749.98	208,624.72	1,944.62	255,125.64	41,554.46	
Post 45, American Legion.....		50.00		50.00		50.00		
Public Safety .....	Bal. 311.07	105.00		416.07	31.80	384.27		
Reception, Entertainment and Care of Medford Soldiers, Sailors and Marines.....		5,500.00	23.40	5,523.40	413.10	5,110.30		
Rent G. A. R. Hall.....App.	450.00			450.00	50.00	400.00		
Salaries .....	App. 7,200.00	375.00		7,575.00		7,575.00		
Schoolhouses (Portable)...Bal.	8,930.02	817.20		9,747.31		9,747.31		
Sinking Funds .....	App. 10,500.00		400.00	10,900.00	400.00	10,500.00		
Soldiers' Relief .....	App. 4,000.00	239.96	82.00	4,321.96	12.00	4,309.96		
South Medford Schoolhouse App.	6,000.00			6,000.00		1,000.00	5,000.00	
Special War Tax.....Warrant	4,672.80			4,672.80		4,672.80		
State Tax .....	Warrant 77,880.00			77,880.00		77,880.00		

State Highway Tax...Warrant	228.50			228.50		228.50		
Street Betterments.... Assmts.	18,036.38	206.91		18,333.29	16,419.97	*3,288.75		1,375.43
Trade Schools .....App.	800.00		604.12	1,404.12	5.55	1,398.57		
War Emergency .....Bal.	213.71			213.71		36.00	177.71	
Wellington Bridge Assmt. Warrant	4,937.57			4,937.57		4,937.57		
<b>Assessing Department</b>								
Salaries of Assessors.....App.	3,800.00			3,800.00		3,800.00		
Assessors' Expenses .....App.	5,700.00			5,700.00		5,700.00		
Assessors' Plans.....App.	2,000.00			2,000.00		1,617.90	382.10	
<b>Auditing Department</b>								
Salary of City Auditor....App.	2,000.00			2,000.00		2,000.00		
Expenses, Books, Printing, etc. App.	1,650.00		5.00	1,655.00	25.84	1,629.16		
Printing Reports (binding, etc.) App.	500.00	71.24		571.24		571.24		
<b>Cemetery Department</b>								
Salaries of Trustees.....App.	200.00			200.00		200.00		
Care of Cross and Salem Street Cemeteries .....App.	200.00			200.00	10.20	189.80		
Care of Oak Grove } Bal.	1,537.15							
Cemetery ..... } App.	500.00	1,000.00	14,707.54	17,744.69		17,260.15	484.54	
<b>City Clerk's Department.</b>								
Salary of City Clerk.....App.	2,000.00			2,000.00		2,000.00		

**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
Expenses, including Assistants App.	3,000.00	91.04		3,091.04		3,091.04		
Election Expenses ..... App.	3,500.00	256.40		3,756.40		3,756.40		
Printing and Advertising Ordina- nces ..... App.	100.00			100.00	46.75	53.25		
Printing and Revising Ordina- nces ..... App.	2,000.00	800.00		2,800.00		1,099.02	1,700.98	
Reporting and Recording Births and Deaths ..... App.	1,000.00			1,000.00	1.39	998.61		
						*32,840.19		
State Aid .....			37,877.21	37,877.21		13,639.68		8,602.66
<b>Collecting Department</b>								
Salary of City Collector.. App.	2,000.00			2,000.00		2,000.00		
Expenses, including Clerks, App.	5,500.00	672.93		6,172.93		6,172.93		
Estates Bought at Sale for Taxes .....			223.78	223.78		*6,485.17		
						911.83		7,173.22

Electrical Department							
Salary of Supt. of Wires and Gas Fitting .....	App.	1,800.00			1,800.00		1,800.00
Electrical Department Expenses	App.	500.00	21.94		521.94	21.82	500.12
Fire and Police Signal Service	App.	300.00	127.53		427.53	2.70	424.74
Police Signal System Equipment .....	App.	2,000.00			2,000.00		187.46
Street Lights .....	App.	25,500.00	28.52		25,528.52		1,812.54
Salary of Lineman.....	App.	1,246.00			1,246.00	1.60	1,244.40
Engineering Department							
Salary of City Engineer.	App.	1,950.00			1,950.00		1,950.00
Engineering Department Expenses .....	App.	1,500.00	206.36	3,950.06	5,656.42		5,656.42
Fire Department							
Salaries of Firemen .....	App.	62,733.34		.92	62,734.26	2,081.92	60,652.34
New Hose—Fire Department	App.	2,000.00			2,000.00		2,000.00
Ordinary Expenses, including	App.	7,500.00	1,049.08	55.50	8,604.58		8,604.58
Telephones .....	App.	82.98			82.98		82.98
Repair Shop .....	Bal.						
Repairs to Fire Department	Bal.	247.71			247.71		35.00
Buildings .....	Bal.	2.50	25.10		27.60		212.71
Boiler—Fire Department...	Bal.						27.60

**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	Unexpended balances	Excess
<b>Health Department</b>								
Salaries of Board of Health								
App.	350.00			350.00		350.00		
Salaries of Inspectors....App.	2,550.00			2,550.00		2,550.00		
Health Department Expenses, including Clerk .....App.	1,700.00			1,700.00	43.50	1,656.50		
Contagious Diseases.....App.	3,500.00		89.21	3,589.21	860.04	2,729.17		
Mosquito Nuisance .....Bal.	5,381.56			5,381.56			5,381.56	
<b>Highway Department</b>								
Salary of Street Com.....App.	2,100.00			2,100.00		2,100.00		
Salary of Superintendent of Moth Suppression.....App.	400.00			400.00		400.00		
Ashes (collection of) .....App.	20,000.00	2,000.00	499.92	22,499.92	46.72	22,453.20		
Bridges .....App.	500.00			500.00	171.24	328.76		
Capen Street Drain.....App.	4,000.00			4,000.00		2,387.98	1,612.02	
Collection of House Offal..App.	10,000.00	1,650.00	3,879.17	15,529.17		*517.59		
General Repairs of Highways						15,832.12		820.54
App.	21,000.00	6,470.92	6,863.26	34,334.18		*12,352.04		
						32,420.74		10,438.60



Gravel Sidewalks .....	App.	1,000.00	310.32	1,310.32		1,310.32		
Gypsy and Brown Tail } Bal.		196.87						
Moths .....	App.	2,000.00		2,196.87		1,137.39	1,059.48	
Guide Boards and Street Signs								
	App.	159.00	9.50	159.50	3.46	156.04		
Original Construction of } Bal.		213.31						
Streets .....	App.	38,000.00		38,213.31		29,637.24	8,576.07	
Paving Gutters .....	App.	500.00	237.15	707.15		707.15		
Paving Medford Sq., Main, Salem and High Sts. App.		100,000.00		100,000.00		36,096.17	63,903.83	
Pensions .....	App.	2,000.00		2,000.00	1,095.50	904.50		
Riverside Avenue .....	App.	5,000.00		5,000.00		1,614.73	3,385.27	
Ship Avenue .....	App.	4,000.00		4,000.00		455.23	3,544.77	
Sidewalks and Edge-								
stones Brick and } Bal.		5,343.14						
Granolithic, Granite } Assmts.		5,877.72						
Edgestones .....	App.	77,500.00	548.15	80,269.31	6,446.22	50,491.06	32,332.03	
Stone Bounds .....	App.	130.00	2.78	102.78		102.78		
Stone Crusher and City Stable Repairs .....	Bal.	2,027.56		2,027.56		2,027.56		
Surface Drains .....	Bal.	9,104.51						
Trees, setting out, care of } App.		5,000.00	0.08	14,110.62		10,977.01	3,133.61	
Leopard Moth and Beetle Work .....	App.	1,000.00	45.42	1,045.42		1,015.42		
						*176.45		
Watering Streets .....	Assmts.	10,702.06		16,702.06		16,489.51	36.07	
<b>Building Inspection Department</b>								
Salary of Inspector of Build- ings .....	App.	1,500.00		1,500.00		1,500.00		

**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
Expenses of Inspector of Buildings .....App.	400.00			400.00	.00	399.10		
Printing Ordinances .....App.	150.00			150.00			150.00	
<b>Law Department</b>								
Salary of City Solicitor...App.	1,500.00			1,500.00	375.00	1,125.00		
Law Dept. Expenses.....App.	200.00			200.00	74.60	125.40		
<b>Park Department</b>								
Public Commons, including Playgrounds .....App.	5,000.00	763.51	221.00	5,984.51		5,984.51		
Care of Bath Houses.....App.	250.00			250.00	.04	249.96		
Playgrounds .....App.	2,300.00			2,300.00	135.20	2,164.80		
Playground Equipment...App.	3,000.00			3,000.00			3,000.00	
<b>Police Department</b>								
Salaries of Policemen, includ- ing Janitor.....App.	55,168.75			55,168.75	3,113.52	52,055.23		

Special Police, and other Expenses .....	App.	8,000.00	887.12	106.00	9,083.12	9,083.12		
Boiler .....	Bal.	187.75			187.75	25.10	60.12	102.53
Payment of Special Police .....			1,500.00		1,500.00	56.34	1,443.66	
<b>Public Library Department</b>								
General Expenses, including Salaries and Janitor .....	App.	9,000.00		3,077.36	12,077.36	12,077.36		
Agencies (including Expressing) .....	App.	331.00			331.00	9.00	322.00	
<b>Purchasing Department</b>								
Salary of Purchasing Agent .....	App.	2,500.00			2,500.00	2,500.00		
Expenses, including Clerk, .....	App.	1,600.00		28.53	1,628.53	.69	1,627.84	
<b>Relief of Poor Department</b>								
Salaries of Overseers and Secretary .....	App.	950.00			950.00	950.00		
City Home .....	App.	3,500.00	4,094.13	925.13	8,519.26	8,519.26		
Furnishings .....	App.	300.00			300.00	24.00	276.00	
Outside Relief .....	App.	10,000.00	7,903.06	4,487.23	22,390.29	22,390.29		
Painting .....			200.00		200.00	200.00		
Repairs .....	App.	500.00	64.50		564.50	564.50		
<b>School Department</b>								
Salary of Secretary .....	App.	300.00			300.00	300.00		
Salary of Superintendent, .....	App.	3,540.00			3,540.00	3,540.00		

**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
Salaries of Teachers and Sub- stitutes .....App.	210,768.00		11.50	210,779.50	3,509.04	207,270.46		
Stewardship, including Truant Officer .....App.	18,000.00	834.00	324.94	19,159.54		19,159.54		
General Expenses .....App.	5,000.00		1,649.75	6,649.75	72.42	6,577.33		
Evening School .....App.	1,500.00		5.29	1,505.29		1,505.29		
Fuel .....App.	15,000.00	674.28		15,674.28	5.13	15,669.15		
Medical Inspection .....App.	500.00			500.00		500.00		
Repairs .....App.	10,655.50	7,000.00	10.00	17,665.50	1,160.26	16,505.24		
Summer School .....App.	1,000.00			1,000.00	97.47	902.53		
Text Books and Supplies..App.	10,000.00	3,825.00		13,825.00		13,825.00		
<b>Sealer of Weights and Measures</b>								
Salary of Sealer.....App.	1,000.00			1,000.00		1,000.00		
Expenses of Sealer.....App.	450.00			450.00		450.00		
<b>Treasury Department</b>								
Salary of City Treasurer, App.	2,000.00			2,000.00		2,000.00		
Treasury Dept. Expenses..App.	200.00			200.00	9.96	190.04		

Water and Sewer Dept.

Salaries of Commissioners, App.	150.00			150.00		150.00		
Brooks and Streams.....App.	500.00			500.00		500.00		
Sewer Construction..	Bal.	4,601.18						
	Assmts.	9,339.35						
	App.	15,000.00	116.08	114.67	29,171.28		23,006.38	6,164.90
Sewer Maintenance.....App.	1,500.00	53.05		11.23	1,564.28	2.00	1,562.28	
Water Service.....Conn.	6,633.96		100,267.10	106,901.06	41,442.97	65,458.09		
Whitmore Brook.....App.	5,000.00		409.12	5,409.12		5,380.18	28.94	
	\$1,695,712.20	\$163,709.78	\$464,674.25	2,324,096.23	216,101.58	1,789,010.37	347,394.73	28,410.45
Cash in Treasury Jan. 1, 1919.....			95,780.10					
Cash in Treasury Jan. 1, 1920.....						219,229.94		
Appropriations.....		96,849.20						
Bonds.....			255,400.00					
Notes in Anticipation of Revenue.....			700,000.00			662,000.00		
Perpetual Care Fund.....			1,917.50			1,917.50		
Excess and Deficiency.....		18,137.32	4.00		39,018.04			
Overlay and Abatement, 1915.....					373.20			
Overlay and Abatement, 1916.....		97.02			6,097.63			
Overlay and Abatement, 1917.....						12.42		
Overlay and Abatement, 1918.....						16.00		
Overlay and Abatement, 1919.....						38.82		
Taxes.....			998,385.00			16.96		
Sewer Connections.....			1,928.98					
Sewer Connections added to Taxes.....			2,690.40					
Sewer Connections Apportioned.....			1,862.48			14.38		
Sewer Assessments.....			1,752.08			36.46		

**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
Sewer Apportionments.....			1,580.43			10.48		
Sidewalk Applications.....			2,530.08					
Sidewalk Assessments.....		0,593.93	14,513.23		23,795.81			
Sidewalk Apportionments.....			3,202.56					
Betterments.....			17,540.13					
Betterments Apportioned.....			2,522.54					
Watering Assessment.....			19,368.46					
Gypsy and Brown Tail Moth Assmt.....			161.70					
Water Connections.....			4,405.64					
Deposits—Water Connections..			153.49					
Reserve Fund.....		0,470.92			0,470.92			
December Taxes.....			49.89					
*Deduct debit bal- ances of Dec. 31, 1918.....	\$87,149.29					2,672,303.33		
Less amounts closed into Expenses and Deficiency.....	5,139.10					82,010.19		
		\$291,858.17	\$2,590,293.14		291,858.17	2,590,293.14		

**BALANCES**

(Or Assets and Liabilities)

	Dr.	Cr.
Board of Survey.....		\$ 253 85
*Brooks and Lincoln Schoolhouse equipment .....		989 75
*City Hall Construction.....		98,270 85
*Development of the Port of Boston .....		12,000 00
†Fire Proof Vault.....		500 00
*Food Production and Conservation .....		25 07
*Fuel Administration Expenses		147 92
*Fulton Heights Schoolhouse...		42,655 17
*Hancock Avenue Schoolhouse		350 00
*High Schoolhouse Addition...		184 70
Income from Trust Funds....		187 10
Interest on the Water Debt...		2,441 62
*Junior High Schoolhouse.....		567 27
*Memorial Honor Roll.....		4,996 25
*Osgood Schoolhouse.....		6 08
Payment of City Debt.....		41,554 46
*South Medford (portable) Schoolhouse .....		5,000 00
Street Betterments .....	\$ 1,375 43	
*War Emergency.....		177 71
†Assessors' Plans.....		382 10
Care of Oak Grove Cemetery.		484 54
†Printing and Revising Ordinances .....		1,700 98
State Aid.....	8,602 66	
Estates Bought at Sale for Taxes .....	7,173 22	

*Police Signal System Equip- ment .....		\$1,812 54
*Repair Shop—Fire Dept.....		82 98
†Repairs to Fire Department Buildings .....		212 71
Mosquito Nuisance.....		5,381 56
*Capen Street Drain.....		1,612 02
Collection of House Offal....	\$ 820 54	
General Repairs of Highways..	10,438 00	
Gypsy and Brown Tail Moths..		1,059 48
*Original Construction of Streets .....		8,576 07
*Sidewalks and Edgestones....		32,332 03
*Surface Drains.....		3,133 61
Watering Streets.....		36 07
*Riverside Avenue.....		3,385 27
*Paving Medford Square, Main, Salem and High Streets....		63,903 83
*Ship Avenue.....		3,544 77
Printing Ordinances (Building Inspection Dept.).....		150 00
*Playground Equipment.....		3,000 00
*Boiler—Police Dept.....		102 53
*Sewer Construction.....		6,164 90
*Whitmore Brook.....		28 94
Cash in the Treasury January 1, 1920.....	219,229 94	
Taxes .....	429,037 59	
December Taxes.....	402 55	
Sewer Connections.....	2,574 81	
Sewer Connections added to Taxes.....	936 88	
Sewer Connections Appor- tioned .....	441 66	
Sewer Assessments.....	3,365 65	
Sewer Apportionments.....	716 92	
Sidewalk Applications.....	134 78	



REPORT OF CITY AUDITOR

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Sidewalk Assessments.....	\$ 6,619 13	
Sidewalk Apportionments.....	1,986 74	
Gypsy and Brown Tail Moth Assessment .....	32	
Watering Assessment.....	7,485 84	
Water Connections.....	4,259 94	
Betterments .....	12,047 30	
Betterments Apportioned.....	1,386 73	
Mosquito Assessment.....	3,481 72	
Deposits—Water Connections		\$ 153 49
December Tax Levy.....		452 44
Excess and Deficiency.....		5,602 38
Notes in Anticipation of Revenue .....		450,000 00
Overlay and Abatement 1917..		8,269 08
Overlay and Abatement 1918..		2,166 69
Overlay and Abatement 1919..		2,730 14
Appropriations .....	94,250 00	
Bonds .....		1,825,300 00
Notes .....		109,100 00
Public Property.....	2,255,950 00	
Property and Debt Balance...		321,550 00
	<hr/>	<hr/>
	\$3,072,718 95	\$3,072,718 95

\*Bonds or notes have been issued or have been authorized.

†Work uncompleted.

**Sewer Assessments Apportioned**

The amount of apportionments to be committed to the City Collector for collection in future years as reported on page 144 of the report dated Jan. 1, 1919, was....	\$2,071 48
Apportioned in 1919.....	183 48
	<hr/>
	\$2,254 96

Committed to Collector in 1919	\$955 96	
Paid in advance in 1919.....	199 42	1,155 38
	<hr/>	<hr/>
Balance to be committed in future years.....		\$1,099 58

#### Sewer Connections Apportioned

Jan. 1, 1919, Balance to be committed .....		\$2,946 35
Apportioned in 1919.....		2,402 60
		<hr/>
		\$5,348 95
Committed to Collector in 1919.	\$1,229 40	
Paid in advance in 1919.....	218 32	1,447 72
	<hr/>	<hr/>
Balance to be committed in future years.....		\$3,901 23

#### Sidewalk Assessments Apportioned

Jan. 1, 1919, Balance to be committed .....		\$5,878 99
Apportioned in 1919.....		6,446 22
		<hr/>
		\$12,325 21
Committed to Collector in 1919.	\$3,515 31	
Paid in advance in 1919.....	207 93	3,723 24
	<hr/>	<hr/>
Balance to be committed in future years.....		\$8,601 97

#### Street Betterments Apportioned

Jan. 1, 1919, Balance to be committed .....		\$7,711 38
Apportioned in 1919.....		1,870 25
		<hr/>
		\$9,581 63

Committed to Collector in 1919	\$2,209 56	
Amount paid previous to apportionment .....	56 40	
Amount collected and paid Treasurer as Betterments..	62 55	
Paid in advance in 1919.....	795 14	3,123 65
<hr/>		
Balance to be committed in future years.....		\$6,457 98

**Miscellaneous Bills**

The books of this department show the amounts remaining uncollected Jan. 1, 1920, to have been for the following accounts:

General Expenses—School Department.....	\$ 437 00
Outside Relief.....	3,974 57
Almshouse .....	53 58
City Home.....	34 72
Health Dept. Expenses.....	681 60
Contagious Diseases.....	633 38
Sewer Maintenance.....	46 73
Sewer Construction.....	518 72
General Repairs of Highways.....	446 18
Surface Drains.....	8 50
Trees .....	32 10
Ashes .....	150 00
Collection of House Offal.....	937 50
Gypsy and Brown Tail Moths.....	201 87
Guide Boards and Street Signs.....	2 75
Sidewalks and Edgestones.....	1,811 50
Income from Estates taken for Taxes.....	22 50
Miscellaneous Credits.....	133 78
Food Production and Conservation.....	178 25
Engineering Department Expenses.....	119 22

Purchasing Department Expenses.....	\$ 2 90
City Hall.....	39 05
Public Commons.....	18 00
Electrical Department Expenses.....	60 00
	<hr/>
	\$10,544 40

### SCHEDULE C

**Statement of Debt, Jan. 1, 1920**  
**Of the Commonwealth of Massachusetts Bureau of Statistics**

Total General Debt.....		\$1,827,400 00
Sinking Funds.....		381,854 64
		\$1,445,545 36
Sinking Fund, Public Service		
Enterprise Debt.....	\$113,769 88	
Total Public Service Enterprise		
Debt .....	107,000 00	
		\$6,769 88
Surplus of Public Service En-		
terprise Sinking Fund.....		\$6,769 88
		\$1,438,775 48
Total of Bonds outstanding....	\$1,825,300 00	
Total of Notes outstanding....	109,100 00	
		\$1,934,400 00
Total Sinking Fund.....	495,624 52	
		\$1,438,775 48

## BONDS OUTSIDE DEBT LIMIT

LOANS	Due	How Payable	Amount	Total Outstanding
Water Fund .....	Jan. 1, 1920	S. F.	\$4,000.00	.....
" " .....	July 1, 1920	" "	15,000.00	.....
" " .....	Jan. 1, 1921	" "	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	\$92,000.00
Sewerage Loan .....	Feb. 1, 1920	Taxes	500.00	.....
" " .....	June 1, 1920	"	1,000.00	.....
" " .....	Aug. 1, 1920	S. F.	15,000.00	.....
" " .....	Sep. 1, 1920	Taxes	500.00	.....
" " .....	Nov. 1, 1920	"	500.00	.....
" " .....	Dec. 1, 1920	"	500.00	.....
" " .....	Feb. 1, 1921	"	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	.....

**BONDS OUTSIDE DEBT LIMIT—Continued**

LOANS	Due	How Pay-able	Amount	Total Outstanding
Sewerage Loan	July 1, 1926	S. F.	\$41,000.00	
" "	Sep. 1, 1926	Taxes	500.00	
" "	Nov. 1, 1926	"	500.00	
" "	Dec. 1, 1926	"	500.00	
" "	Feb. 1, 1927	"	500.00	
" "	June 1, 1927	"	1,000.00	
" "	Sep. 1, 1927	"	500.00	
" "	Nov. 1, 1927	"	500.00	
" "	Dec. 1, 1927	"	500.00	
" "	Feb. 1, 1928	"	500.00	
" "	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	

## BONDS OUTSIDE DEBT LIMIT—Continued

LOANS	Due	How Pay-able	Amount	Total Outstanding
Sewerage Loan	Nov. 1, 1937	Taxes	\$500.00	
" "	Dec. 1, 1937	"	500.00	
" "	June 1, 1938	"	500.00	
" "	Nov. 1, 1938	"	500.00	
" "	Dec. 1, 1938	"	500.00	
" "	May 1, 1939	S. F.	5,000.00	
" "	June 1, 1939	Taxes	500.00	
" "	Sep. 1, 1939	S. F.	5,000.00	
" "	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	\$260,000.00
City Hall	Jan. 3, 1920	Taxes	10,000.00	
" "	Jan. 3, 1921	"	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	\$170,000.00



**BONDS OUTSIDE DEBT LIMIT—Continued**

LOANS	Due	How Payable	Amount	Total Outstanding
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, 1920	Taxes	1,500.00	
“ “ .....	Aug. 1, 1921	“	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	\$38,500.00
School Loan (1912) .....	Jan. 1, 1920	Taxes	5,000.00	
“ “ “ .....	July 1, 1920	“	5,000.00	
“ “ “ .....	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	

## BONDS OUTSIDE DEBT LIMIT—Continued

LOANS	Due	How Pay-able	Amount	Total Outstanding
School Loan (1912) .....	July 1, 1928	Taxes	\$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	\$135,000.00
Junior High School .....	July 5, 1920	Taxes	6,250.00	.....
" " " .....	July 5, 1921	"	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	\$106,250.00
Street Loan (1919) .....	June 1, 1920	Taxes	6,000.00	.....
" " " .....	July 1, 1920	"	7,000.00	.....
" " " .....	June 1, 1921	"	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	\$105,000.00

**BONDS OUTSIDE DEBT LIMIT—Continued**

LOANS	Due	How Payable	Amount	Total Outstanding
School Loan (1919) .....	July 1, 1920	Taxes	\$3,000.00	.....
“ “ “ .....	July 1, 1921	“	3,000.00	.....
“ “ “ .....	July 1, 1922	“	3,000.00	.....
“ “ “ .....	July 1, 1923	“	3,000.00	.....
“ “ “ .....	July 1, 1924	“	3,000.00	.....
“ “ “ .....	July 1, 1925	“	3,000.00	.....
“ “ “ .....	July 1, 1926	“	3,000.00	.....
“ “ “ .....	July 1, 1927	“	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	\$50,000.00
<b>Total bonds outstanding Outside Debt Limit.....</b>				<b>\$1,015,750.00</b>

## BONDS WITHIN DEBT LIMIT

LOANS	Due	How Payable	Amount	Total Outstanding
Playground Loan (1914) . . .	May 15, 1920	Taxes	\$2,000.00	.....
“ “ “ . . .	July 1, 1920	“	200.00	.....
“ “ “ . . .	May 15, 1921	“	2,000.00	.....
“ “ “ . . .	May 15, 1922	“	2,000.00	.....
“ “ “ . . .	May 15, 1923	“	2,000.00	.....
“ “ “ . . .	May 15, 1924	“	2,000.00	\$10,200.00
School of 1912 . . . . .	July 1, 1920	Taxes	1,000.00	.....
“ “ “ . . . . .	July 1, 1921	“	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	\$13,000.00
Junior High School (1916) . .	Oct. 2, 1920	Taxes	3,800.00	.....
“ “ “ “ . . .	Oct. 2, 1921	“	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	\$56,100.00
Junior High School additional (1918) . . . . .	Oct. 1, 1920	Taxes	2,000.00	.....
“ “ “ “ . . . . .	Oct. 1, 1921	“	2,000.00	.....
“ “ “ “ . . . . .	Oct. 1, 1922	“	2,000.00	.....
“ “ “ “ . . . . .	Oct. 1, 1923	“	2,000.00	.....
“ “ “ “ . . . . .	Oct. 1, 1924	“	2,000.00	.....

**BONDS WITHIN DEBT LIMIT—Continued**

LOANS	Due	How Payable	Amount	Total Outstanding
Junior High School additional (1918) .....	Oct. 1, 1925	Taxes	\$2,000.00	.....
“ “ “ “	Oct. 1, 1926	“	2,000.00	.....
“ “ “ “	Oct. 1, 1927	“	2,000.00	.....
“ “ “ “	Oct. 1, 1928	“	2,000.00	.....
“ “ “ “	Oct. 1, 1929	“	2,000.00	.....
“ “ “ “	Oct. 1, 1930	“	2,000.00	.....
“ “ “ “	Oct. 1, 1931	“	2,000.00	.....
“ “ “ “	Oct. 1, 1932	“	2,000.00	.....
“ “ “ “	Oct. 1, 1933	“	2,000.00	.....
“ “ “ “	Oct. 1, 1934	“	2,000.00	.....
“ “ “ “	Oct. 1, 1935	“	2,000.00	.....
“ “ “ “	Oct. 1, 1936	“	2,000.00	.....
“ “ “ “	Oct. 1, 1937	“	2,000.00	.....
“ “ “ “	Oct. 1, 1938	“	2,000.00	\$38,000.00
Junior High School (1919) ..	Apr. 1, 1920	Taxes	1,000.00	.....
“ “ “ “ ..	Apr. 1, 1921	“	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	\$8,400.00
Original Equipment 1918				
Junior High School .....	June 1, 1920	Taxes	1,000.00	.....
“ “ “ “	June 1, 1921	“	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	\$14,000.00
School Loan (1911) .....	Sep. 1, 1920	Taxes	4,000.00	.....
“ “ “ “ .....	Sep. 1, 1921	“	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	.....

## BONDS WITHIN DEBT LIMIT—Continued

LOANS	Due	How Payable	Amount	Total Outstanding
School Loan (1911) .....	Sep. 1, 1926	Taxes	\$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	\$46,000.00
School Loan (1919)				
Portable .....	Aug. 1, 1920	Taxes	1,000.00	.....
" " " .....	Aug. 1, 1921	"	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	\$9,000.00
High Schoolhouse Addition (1912) .....	Jan. 1, 1920	Taxes	1,250.00	.....
" " " .....	Sep. 1, 1920	"	1,000.00	.....
" " " .....	Jan. 1, 1921	"	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	\$27,250.00
High School Original				
Equipment .....	July 1, 1920	Taxes	1,500.00	.....
" " " .....	July 1, 1921	"	1,500.00	.....
" " " .....	July 1, 1922	"	1,500.00	.....

BONDS WITHIN DEBT LIMIT—Continued

LOANS	Due	How Pay-able	Amount	Total Outstanding
High School Original Equipment .....	July 1, 1923	Taxes	\$1,500.00	.....
“ “ “	July 1, 1924	“	1,500.00	.....
“ “ “	July 1, 1925	“	1,500.00	.....
“ “ “	July 1, 1926	“	1,500.00	\$10,500.00
Hancock Avenue Schoolhouse .....	June 1, 1920	Taxes	3,000.00	.....
“ “ “	July 1, 1920	“	250.00	.....
“ “ “	Sep. 1, 1920	“	250.00	.....
“ “ “	June 1, 1921	“	3,000.00	.....
“ “ “	July 1, 1921	“	250.00	.....
“ “ “	Sep. 1, 1921	“	250.00	.....
“ “ “	June 1, 1922	“	3,000.00	.....
“ “ “	July 1, 1922	“	250.00	.....
“ “ “	Sep. 1, 1922	“	250.00	.....
“ “ “	June 1, 1923	“	3,000.00	.....
“ “ “	July 1, 1923	“	250.00	.....
“ “ “	Sep. 1, 1923	“	250.00	.....
“ “ “	June 1, 1924	“	3,000.00	.....
“ “ “	July 1, 1924	“	250.00	.....
“ “ “	Sep. 1, 1924	“	250.00	.....
“ “ “	June 1, 1925	“	3,000.00	.....
“ “ “	July 1, 1925	“	250.00	.....
“ “ “	Sep. 1, 1925	“	250.00	.....
“ “ “	June 1, 1926	“	1,600.00	.....
“ “ “	July 1, 1926	“	250.00	.....
“ “ “	June 1, 1927	“	1,600.00	.....
“ “ “	July 1, 1927	“	250.00	.....
“ “ “	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	\$39,750.00
Hancock Schoolhouse (1916) .....	Oct. 10, 1920	Taxes	500.00	.....
“ “ “	Oct. 10, 1921	“	500.00	\$1,000.00

## BONDS WITHIN DEBT LIMIT—Continued

LOANS	Due	How Payable	Amount	Total Outstanding
Osgood Schoolhouse .....	Mar. 15, 1920	Taxes	\$1,500.00	.....
" " .....	Mar. 15, 1921	"	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	.....
" " .....	Mar. 15, 1933	"	1,000.00	.....
" " .....	Mar. 15, 1934	"	1,000.00	.....
" " .....	Mar. 15, 1935	"	1,000.00	.....
" " .....	Mar. 15, 1936	"	1,000.00	\$20,500.00
Osgood Schoolhouse (1917)	June 1, 1920	Taxes	500.00	.....
" " " .....	June 1, 1921	"	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	\$5,000.00
Lincoln Schoolhouse .....	May 1, 1922	S. F.	.....	\$45,000.00
Schoolhouse Improvement Loan .....	May 1, 1927	S. F.	.....	\$14,000.00
Schoolhouse Loan (1908) .....	Aug. 1, 1928	S. F.	.....	\$95,000.00
Fulton Heights Schoolhouse .....	July 1, 1920	Taxes	.....	\$500.00
City Stable Loan .....	June 1, 1924	S. F.	.....	\$15,000.00
Surface Drainage Loan...	Mar. 1, 1920	Taxes	500.00	.....
" " " .....	July 1, 1920	"	2,000.00	.....
" " " .....	Mar. 1, 1921	"	500.00	.....
" " " .....	July 1, 1921	"	2,000.00	.....
" " " .....	Mar. 1, 1922	"	500.00	.....
" " " .....	July 1, 1922	"	1,500.00	.....
" " " .....	Mar. 1, 1923	"	500.00	.....



**BONDS WITHIN DEBT LIMIT—Continued**

LOANS	Due	How Payable	Amount	Total Outstanding
Surface Drainage Loan ...	July 1, 1923	Taxes	\$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	\$20,000.00
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, 1920	Taxes	500.00	.....
“ “ “ ...	Aug. 1, 1921	“	500.00	.....
“ “ “ ...	Aug. 1, 1922	“	500.00	.....
“ “ “ ...	Aug. 1, 1923	“	500.00	.....
“ “ “ ...	Aug. 1, 1924	“	500.00	.....
“ “ “ ...	Aug. 1, 1925	“	500.00	\$3,000.00
Drainage 1912 .....	July 1, 1922	Taxes	.....	\$500.00
Drainage Loan (1916)....	Aug. 3, 1920	Taxes	500.00	.....
“ “ “ ...	Aug. 3, 1921	“	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	.....

**Totals by Wards**

(All Parks and Cemeteries included)

Ward 1 .....	\$ 100,250 00
Ward 2 .....	361,300 00
Ward 3 .....	1,125,950 00
Ward 4 .....	379,800 00
Ward 5 .....	189,300 00
Ward 6 .....	155,050 00
Ward 7 .....	119,400 00
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Total .....	\$2,431,050 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).....	400 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) .....	1,200 00
3.66 acres, lot 2, in rear Playstead Road (Ward 3) .....	3,200 00
0.97 acres, lot 3, Playstead Road (Ward 3)..	850 00
3.47 acres, lot 3, in rear Playstead Road (Ward 3) .....	3,000 00
3.48 acres, lot 4, Playstead Road (Ward 3)....	3,050 00
Brooks Park (Ward 4).....	3,500 00
Triangle (Ward 6) .....	1,550 00
	<hr/>
	\$175,100 00

BONDS WITHIN DEBT LIMIT—Continued

LOANS	Due	How Payable	Amount	Total Outstanding
Original Street Construction (1918)	Apr. 1, 1920	Taxes	\$3,500.00	
" " "	Apr. 1, 1921	"	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	\$31,500.00
Original Street Construction (1919)	Apr. 1, 1920	Taxes	4,000.00	
" " "	Apr. 1, 1921	"	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	\$38,000.00
Street Construction	Sep. 1, 1920	Taxes	1,000.00	
" " "	Sep. 1, 1921	"	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	\$6,600.00
Street Loan (1916)	Mar. 1, 1920	Taxes	2,900.00	
" " "	Mar. 1, 1921	"	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	\$20,300.00
Forest Street	June 1, 1920	Taxes	1,200.00	
" " "	Nov. 1, 1920	"	1,400.00	\$2,600.00
Sidewalks	Oct. 1, 1920	Taxes	400.00	\$400.00
Sidewalks (1916)	Sep. 1, 1920	Taxes	3,000.00	
" " "	Sep. 1, 1921	"	3,000.00	\$6,000.00
Sidewalks (1917)	Aug. 1, 1920	Taxes	6,000.00	
" " "	Aug. 1, 1921	"	6,000.00	
" " "	Aug. 1, 1922	"	6,000.00	\$18,000.00

## BONDS WITHIN DEBT LIMIT—Continued

LOANS	Due	How Payable	Amount	Total Outstanding
Sidewalks (1918) .....	June 1, 1920	Taxes	\$4,000.00	.....
“ “ .....	June 1, 1921	“	4,000.00	.....
“ “ .....	June 1, 1922	“	4,000.00	.....
“ “ .....	June 1, 1923	“	4,000.00	\$16,000.00
Sidewalks (1919) .....	June 1, 1920	Taxes	8,000.00	.....
“ “ .....	June 1, 1921	“	8,000.00	.....
“ “ .....	June 1, 1922	“	8,000.00	.....
“ “ .....	June 1, 1923	“	8,000.00	\$32,000.00
Fire Station Loan .....	July 1, 1920	Taxes	600.00	.....
“ “ “ .....	July 1, 1921	“	600.00	.....
“ “ “ .....	July 1, 1922	“	600.00	.....
“ “ “ .....	July 1, 1923	“	600.00	.....
“ “ “ .....	July 1, 1924	“	600.00	.....
“ “ “ .....	July 1, 1925	“	600.00	.....
“ “ “ .....	July 1, 1926	“	600.00	.....
“ “ “ .....	July 1, 1927	“	600.00	.....
“ “ “ .....	July 1, 1928	“	600.00	.....
“ “ “ .....	July 1, 1929	“	600.00	.....
“ “ “ .....	July 1, 1930	“	600.00	.....
“ “ “ .....	July 1, 1931	“	600.00	.....
“ “ “ .....	July 1, 1932	“	600.00	\$7,800.00
Fire Loan (1917) .....	Apr. 1, 1920	Taxes	2,000.00	.....
“ “ “ .....	Apr. 1, 1921	“	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	\$32,000.00
Fire Loan (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	.....

BONDS WITHIN DEBT LIMIT—Continued

LOANS	Due	How Payable	Amount	Total Outstanding
Fire Loan (1918) .....	Dec. 1, 1926	Taxes	\$500.00	.....
“ “ “ .....	Dec. 1, 1927	“	500.00	.....
“ “ “ .....	Dec. 1, 1928	“	500.00	\$4,500.00
Municipal Loan .....	Dec. 1, 1920	Taxes	5,000.00	.....
“ “ .....	Dec. 1, 1921	“	5,000.00	.....
“ “ .....	Dec. 1, 1922	“	5,000.00	.....
“ “ .....	Dec. 1, 1923	“	5,000.00	\$20,000.00
Departmental Equipment	Aug. 1, 1920	Taxes	3,000.00	.....
“ “	Oct. 1, 1920	“	700.00	.....
“ “	Aug. 1, 1921	“	2,000.00	\$5,700.00
Departmental Equipment (1917) .....	July 1, 1920	Taxes	1,700.00	.....
“ “ .....	July 1, 1921	“	1,700.00	.....
“ “ .....	July 1, 1922	“	1,700.00	\$5,100.00
Playground Equipment... ..	Aug. 10, 1920	Taxes	500.00	.....
“ “ .....	Aug. 10, 1921	“	500.00	\$1,000.00
Police Dept. Equipment.. ..	Aug. 5, 1920	Taxes	500.00	.....
“ “ “ .....	Aug. 5, 1921	“	350.00	\$850.00
War Loan (1917) .....	June 1, 1920	Taxes	1,500.00	.....
“ “ “ .....	June 1, 1921	“	1,500.00	.....
“ “ “ .....	June 1, 1922	“	1,500.00	\$4,500.00
War Emergency (1918) ... ..	Apr. 1, 1920	Taxes	1,500.00	.....
“ “ “ .....	Dec. 1, 1920	“	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	\$8,000.00
War Memorial (1919) .....	May 1, 1920	Taxes	1,000.00	.....
“ “ “ .....	May 1, 1921	“	1,000.00	.....
“ “ “ .....	May 1, 1922	“	1,000.00	.....
“ “ “ .....	May 1, 1923	“	1,000.00	.....
“ “ “ .....	May 1, 1924	“	1,000.00	\$5,000.00
Permanent Pavement (1918) .....	June 1, 1920	Taxes	500.00	.....
“ “ “ .....	June 1, 1921	“	500.00	.....
“ “ “ .....	June 1, 1922	“	500.00	\$1,500.00

Total bonds outstanding Within Debt Limit.....\$809,550.00

## NOTES

All at 4 per cent per annum.

	Due	How Pay- able	Amount	Total Each Year
No. 121 .....	May 1, 1920	Taxes	\$500.00 .....	
“ 6 Original Construction of Streets	May 1, 1920	“	600.00 .....	
“ 6 High School Equipment .....	June 1, 1920	“	200.00 .....	
“ 102 .....	July 1, 1920	S. F.	5,000.00 .....	
“ 104 .....	July 1, 1920	“ “	8,000.00 .....	
Sidewalk .....	Aug. 1, 1920	Taxes	7,000.00 .....	
“ 105 .....	Nov. 1, 1920	S. F.	8,000.00 .....	
“ 107 .....	Dec. 1, 1920	“ “	1,100.00 .....	
“ 6 Wellington Road	Dec. 1, 1920	Taxes	500.00	\$30,000.00
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 .....	

**NOTES—Continued**

	Due	How Payable	Amount	Total Each Year
No. 8 Wellington Road..	Dec. 1, 1922	Taxes	\$500.00	\$21,600.00
No. 9 Original Construction of Streets	May 1, 1923	"	600.00	.....
" 135 .....	May 1, 1923	S. F.	10,000.00	.....
" 9 High School Equipment ....	June 1, 1923	Taxes	200.00	.....
" 9 Wellington Road..	Dec. 1, 1923	"	500.00	11,300.00
No. 10 Original Construction of Streets	May 1, 1924	"	600.00	.....
" 10 High School Equipment ....	June 1, 1924	"	200.00	.....
" 10 Wellington Road..	Dec. 1, 1924	"	500.00	1,300.00
No. 35 and 36 .....	Dec. 1, 1926	S. F.	.....	15,000.00
No. 37 .....	Jan. 1, 1927	S. F.	.....	7,000.00
No. 51 to 62 .....	July 1, 1928	S. F.	.....	12,000.00
Total notes outstanding..				\$109,600.00
Outside Debt limit (Nos. 35 & 36) .....				\$ 15,000.00
Within Debt limit .....				\$ 94,100.00

**Debt Authorized But Not Issued Before Jan. 1, 1920**

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Brooks and Lincoln Schoolhouse Equipment . . . .	\$3,000 00
Departmental Equipment . . . . .	7,000 00
Sidewalks and Edgestones . . . . .	34,000 00
Sidewalks and Edgestones . . . . .	7,500 00
Ship Avenue . . . . .	4,000 00
Surface Drains . . . . .	4,500 00
Development of the Port of Boston . . . . .	12,000 00
Sewer Construction . . . . .	15,000 00
Capen Street Drain . . . . .	4,000 00
South Medford portable Schoolhouse . . . . .	6,000 00
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	\$97,000 00

**NOTES IN ANTICIPATION OF REVENUE**

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Dated Apr. 8, 1919	Due Jan. 15, 1920 . . . . .	\$ 50,000 00
“ May 6, 1919	“ Feb. 12, 1920 . . . . .	50,000 00
“ May 6, 1919	“ Mar. 12, 1920 . . . . .	50,000 00
“ June 3, 1919	“ Apr. 12, 1920 . . . . .	50,000 00
“ June 3, 1919	“ May 12, 1920 . . . . .	50,000 00
“ July 1, 1919	“ June 14, 1920 . . . . .	100,000 00
“ July 29, 1919	“ July 2, 1920 . . . . .	100,000 00
		<hr/>
		\$450,000 00

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

January 1, 1920

	Issued Under Chap. Acts of		Out- standing	Sinking Funds
Notes Nos. 35 & 36 issued for Water Purposes.....		Outside Debt Limit	\$ 15,900.00	
Water Fund .....	98 1893	" " "	92,000.00	\$113,769.88
Sewerage Loan .....	{ 180 1893 296 1909 306 1913 }	" " "	260,000.00	155,116.97
Public Playground Loan { 1903 1912	28	" " "	38,500.00	8,784.36
Park Loan .....	{ 176 1898 338 1902 }	" " "	32,000.00	32,000.00
Met. Park Assm't .....	325 1902	" " "	27,000.00	15,474.28
School Loan of 1912 .....	100 1912	" " "	135,000.00	
City Hall 1913 .....	486 1913	" " "	170,000.00	
Junior High School 1916..	370 1916	" " "	106,250.00	
Street 1919 .....	80 1919	" " "	105,000.00	
School 1919 .....	45 1919	" " "	50,000.00	
Playground .....		Within Debt Limit	10,200.00	
School of 1912 .....		" " "	13,000.00	
Junior High School .....		" " "	56,100.00	
Junior High School 1918 .....		" " "	38,000.00	
Junior High School 1919..		" " "	8,400.00	
Original Equipment Junior High School .....		" " "	14,000.00	
School 1911 .....		" " "	46,000.00	
School (portable) 1919 .....		" " "	9,000.00	
High School Addition 1912 .....		" " "	27,250.00	
High School Original Equip- ment .....		" " "	10,500.00	
Hancock Ave. School 1915 & 1916 .....		" " "	39,750.00	
Hancock Ave. School 1916 .....		" " "	1,000.00	
Osgood School 1916 .....		" " "	20,500.00	
Osgood School 1917 .....		" " "	5,000.00	
Lincoln Schoolhouse .....		" " "	45,000.00	39,159.00
Schoolhouse Improvement .....		" " "	14,000.00	7,875.87
Schoolhouse 1908 .....		" " "	95,000.00	51,102.98
Fulton Heights School .....		" " "	500.00	
City Stable .....		" " "	15,000.00	11,417.40
Surface Drainage .....		" " "	20,000.00	
Surface Drains 1918 .....		" " "	4,500.00	
Surface Drains 1919 .....		" " "	3,000.00	
Drainage 1912 .....		" " "	500.00	
Drainage 1916 .....		" " "	8,500.00	
Sewer (drainage purposes) 1918 .....		" " "	8,500.00	
Streets and Drains 1917..		" " "	13,500.00	
Original Construction of Streets 1914 .....		" " "	8,500.00	
Original Street Construc- tion 1917 .....		" " "	7,000.00	
Original Street Construc- tion 1918 .....		" " "	51,500.00	
Original Street Construc- tion 1919 .....		" " "	38,000.00	
Street Construction 1916..		" " "	6,600.00	
Street Loan 1916 .....		" " "	20,300.00	
Forest Street .....		" " "	2,600.00	
Sidewalks 1915 .....		" " "	400.00	
Sidewalks 1916 .....		" " "	6,000.00	

CONDENSED STATEMENT OF DEBT AND SINKING FUNDS—CONTINUED

				Out- standing	Sinking Funds
Sidewalks 1917 .....			" " "	18,000.00	
Sidewalks 1918 .....			" " "	16,000.00	
Sidewalks 1919 .....			" " "	32,000.00	
Fire Station .....			" " "	7,800.00	
Fire Loan 1917 .....			" " "	32,000.00	
Fire Loan 1918 .....			" " "	4,500.00	
Municipal Loan .....			" " "	20,000.00	
Departmental Equipment 1915 & 1916 .....			" " "	5,700.00	
Departmental Equipment 1917 .....			" " "	5,100.00	
Playground Equipment .....			" " "	1,000.00	
Police Dpt. Equipment .....			" " "	850.00	
War Loan 1917 .....			" " "	4,500.00	
War Emergency 1918 .....			" " "	8,000.00	
War Memorial 1919 .....			" " "	5,000.00	
Permanent Pavement 1918 .....			" " "	1,500.00	
All notes except No. 35 and No. 36 .....			" " "	94,100.00	60,923.78
				<b>\$1,934,400.00</b>	<b>\$495,024.52</b>
<hr/>					
Debt Outside Debt limit .....	\$1,030,750.00				
Sinking Funds applicable .....	325,145.49	\$705,604.51			
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Debt Within limit .....	\$903,650.00				
Sinking Funds applicable .....	170,479.03	\$733,170.97			
		<b>\$1,438,775.48</b>			

DEBT DUE IN 1920

	Date	Payable from Sinking Funds	Payable by Taxation
Water .....	Jan.	\$4,000.00	.....
City Hall .....	"	.....	\$10,000.00
School of 1912 .....	"	.....	5,000.00
High School Addition .....	"	.....	1,250.00
Sewerage .....	Feb.	.....	500.00
Osgood School .....	Mar.	.....	1,500.00
Surface Drainage .....	"	.....	500.00
Street 1916 .....	"	.....	2,900.00
Junior High School 1919 .....	Apr.	.....	1,000.00
Original Street Construction 1918 .....	"	.....	3,500.00
Original Street Construction 1919 .....	"	.....	4,000.00
Fire 1917 .....	"	.....	2,000.00
War Emergency 1918 .....	"	.....	1,500.00
Note No. 121 .....	May	.....	500.00
Note No. 6 Original Const'n of Streets .....	"	.....	600.00
Playground 1914 .....	"	.....	2,000.00
War Memorial .....	"	.....	1,000.00
Note No. 6 High School Equipment .....	June	.....	200.00
Sewerage .....	"	.....	1,000.00
Street 1919 .....	"	.....	6,000.00
Original Equipment 1918 (Junior High) .....	"	.....	1,000.00
Hancock School .....	"	.....	3,000.00
Osgood School 1917 .....	"	.....	500.00
Sewer 1918 (drainage purposes) .....	"	.....	500.00
Forest Street .....	"	.....	1,200.00
Sidewalk 1918 .....	"	.....	4,000.00
Sidewalk 1919 .....	"	.....	8,000.00
War 1917 .....	"	.....	1,500.00
Permanent Pavement .....	"	.....	500.00
Note 102 .....	July	5,000.00	.....
Note 104 .....	"	8,000.00	.....
Ship Avenue (if issued) .....	"	.....	1,000.00
Water .....	"	15,000.00	.....
School 1912 .....	"	.....	5,000.00
Surface Drains (if issued) .....	"	.....	1,000.00
Junior High School .....	"	.....	6,250.00
Street 1919 .....	"	.....	7,000.00
School 1919 .....	"	.....	3,000.00
Playground 1914 .....	"	.....	200.00
School 1912 .....	"	.....	1,000.00
High School Original Equipment .....	"	.....	1,500.00
Hancock School .....	"	.....	250.00
Fulton Heights Schoolhouse .....	"	.....	500.00
Surface Drainage .....	"	.....	2,000.00
Streets and Drains .....	"	.....	4,500.00
Original Construction of Streets .....	"	.....	1,700.00
Fire Station .....	"	.....	600.00

## DEBT DUE IN 1920—Continued

	Date	Payable from Sinking Funds	Payable by Taxation
Departmental Equipment .....	July		\$1,700.00
Notes Sidewalk Nos. 22 to 28 .....	Aug.		7,000.00
Sewerage .....	"	\$15,000.00	
Playground .....	"		1,500.00
School 1919 (portable) .....	"		1,000.00
Surface Drains 1919 .....	"		500.00
Drainage 1916 .....	"		500.00
Original Street Construction 1917.....	"		1,000.00
Sidewalks 1917 .....	"		6,000.00
Departmental Equipment .....	"		3,000.00
Playground Equipment .....	"		500.00
Police Dpt. Equipment .....	"		500.00
Sewerage .....	Sept.		500.00
School 1911 .....	"		4,000.00
High School Addition 1912 .....	"		1,000.00
Hancock Avenue School .....	"		250.00
Street Construction .....	"		1,000.00
Sidewalks 1916 .....	"		3,000.00
Departmental Equipment (if issued)....	"		2,000.00
Junior High School 1916 .....	Oct.		3,800.00
Junior High School 1918 .....	"		2,000.00
Hancock School 1916 .....	"		500.00
Development of the Port of Boston (if issued) .....	"		2,000.00
Sidewalks .....	"		400.00
Sewer Construction (if issued) .....	"		1,000.00
Departmental Equipment .....	"		700.00
Note No. 105 .....	Nov.	8,000.00	
Capen Street Drain (if issued).....	"		1,000.00
Sewerage .....	"		500.00
South Medford Portable Schoolhouse (if issued) .....	"		1,000.00
Forest Street .....	"		1,400.00
Sidewalk & Edgestones (if issued).....	"		7,000.00
Note No. 107 .....	Dec.	1,100.00	
Note No. 6 Wellington Road .....	"		500.00
Sewerage .....	"		500.00
Surface Drains 1918 .....	"		500.00
Fire 1918 .....	"		500.00
Municipal .....	"		5,000.00
Sidewalks and Edgestones (if issued)...	"		3,000.00
War Emergency 1918 .....	"		1,000.00
		\$56,100.00	\$168,400.00

Debt payable by taxation issued before Jan. 1, 1920..\$149,400.00

Debt payable by taxation not issued Jan. 1, 1920.. 19,000.00

**Valuation and Limit of Taxation**

Section 19, Chapter 719, Acts of 1913, provides that, whereas the Board of Aldermen of Medford having by Ordinance (Chapter XLII) approved April 24, 1919, fixed the tax limit at \$17 "on every \$1000 of the average of the Assessors' valuation of the taxable property therein for the preceding three years, such valuation being first reduced by the amount of all abatements allowed thereon previous to the thirty-first day of December in the year preceding such assessment."

The net valuation of the City of Medford for	
1917 was .....	\$36,352,100 00
The net valuation of the City of Medford for	
1918 was .....	34,416,750 00
The net valuation of the City of Medford for	
1919 was .....	35,159,550 00
	3) \$105,928,400 00
Average valuation .....	35,309,466 00
	17 00
	247,166,262 00
	35,309,466 00

Assessed at \$17 per \$1000 gives..... \$600,260 92

This is the legal limit of taxation "exclusive of the state tax and other amounts assessed upon the city by the Commonwealth, the County tax and sums required by law to be raised on account of the city debt."

**Borrowing Capacity**

Section 12, Chapter 719, Acts of 1913, limits the indebtedness to 2½ per cent. of the average valuation for the three preceding years.

Two and one-half per cent. of \$35,309,466 is.....		\$ 882,736 65
Total debt of all kinds.....	\$ 1,934,400 00	
Debts authorized since Dec. 1, 1913, but not yet incurred..	97,000 00	
	<hr/>	
		\$2,031,400
Debts Outside Debt Limit:		
City Hall, Acts		
1913, Chap. 486.	\$170,000 00	
Junior High School		
Acts 1916, Chap. 370 .....	106,250 00	
Water Notes, General		
Statutes .....	15,000 00	
Water Bonds, Acts		
1893, Chap. 198	92,000 00	
Sewerage, Acts 1893, Chap. 180; Acts 1909, Chap. 296; Acts 1913, Chap. 306 .....		
	260,000 00	
Park, Acts 1898, Chap. 176; Acts 1902, Chap. 338		
	32,000 00	
Met. Park. Assess- ment, Acts 1902, Chap. 325 .....		
	27,000 00	
Playground, R. L. Chap. 28.....		
	38,500 00	
School, Acts 1912, Chap. 100 .....		
	135,000 00	
School, Acts 1919, Chap. 45.....		
	50,000 00	
Street, Acts 1919, Chap. 80.....		
	105,000 00	

Debts authorized but not incurred outside debt limit:		
Development of the		
Port of Boston,		
Acts 1919, Chap.		
237 .....	\$ 12,000 00	
Sewerage, Acts 1913,		
Chap. 306.....	15,000 00	1,057,750 00
		<hr/>
Total Debt within Debt Limit....	\$973,650 00	
Deduct Sinking Funds applicable		
to debt within limit.....	170,479 03	
Net debt to be reckoned in determining debt		
limit .....	\$803,170 97	
		<hr/>

Borrowing capacity Jan. 1, 1920..... \$79,565 68

The debts authorized since Dec. 31, 1913, which are within the debt limit but not yet incurred are as follows:

Departmental Equipment .....	\$ 7,000 00
Sidewalks and Edgestones.....	34,000 00
Sidewalks and Edgestones.....	7,500 00
Ship Avente.....	4,000 00
Surface Drains.....	4,500 00
Capen Street Drain.....	4,000 00
South Medford portable School-	
house .....	6,000 00
Brooks and Lincoln Schoolhouse	
Equipment .....	3,000 00
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	\$70,000 00

## PUBLIC PROPERTY

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### Assessors' Valuation, April 1, 1919 (Real Estate)

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#### Ward 1

Franklin Schoolhouse.....	\$55,000 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
	\$100,250 00
Total of Ward 1.....	\$100,250 00

#### Ward 2

Brick Engine House.....	12,000 00
10,532 feet land, Salem street.....	4,200 00
Curtis Schoolhouse (wooden).....	4,000 00
Curtis Schoolhouse (brick).....	30,000 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.....	600 00
Washington Schoolhouse.....	45,000 00
56,520 feet land, Washington street, corner Cross Street .....	19,800 00
Swan Junior High School .....	200,000 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.....	3,500 00
Schoolhouse, Fulton street.....	1,500 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.....		400 00
5,696 feet land, Fulton street.....		350 00
Lot 1, Winslow avenue, 6,075 feet.....		50 00
5,723 feet land, Winslow avenue, lot 2.....		50 00
4,794 feet land, Winslow avenue, lot 14.....		50 00
4,658 feet land, Arlington street, lot 3.....		100 00
4,000 feet land, Arlington street, lot 18.....		100 00
5,632 feet land, Rand street, lot 40.....		100 00
5,492 feet 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 land, Waddell street.....		150 00
3,500 feet land, Sawyer street, lot 10.....		50 00
3,500 feet land, Sawyer street, lot 9.....		50 00
3,500 feet land, Sawyer street, lot 8.....		50 00
3,500 feet land, Sawyer street, lot 7.....		50 00
3,500 feet land, Sawyer street, lot 6.....		50 00
		<hr/>
Total of Ward 2.....	\$	361,300 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 .....	200 00
Everett Schoolhouse .....	8,000 00
10,155 feet land, Salem street.....	3,050 00
48,400 feet land, Cross Street Cemetery.....	5,800 00
Office building .....	10,000 00
Brick Developing house .....	5,000 00
Store house .....	300 00
Tay House .....	400 00
Studios and annex .....	20,000 00

29.60 acres, Fellsway West.....	\$25,800 00
High School Building.....	450,000 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 .....	25,000 00
30,112 ft. land, High St., to Grand View Ave...	12,050 00
Public Library .....	25,000 00
Public Library Annex .....	5,000 00
16,450 feet land, High street.....	4,950 00
13,566 feet land, High street.....	4,750 00
Brooks Schoolhouse .....	68,000 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.....	45,450 00
Foundation .....	40,000 00
58,000 feet land, Hastings Park, Allston St. ...	14,500 00
City Home .....	25,000 00
Stable and Shed.....	2,000 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
33.34 acres, Oak Grove Cemetery, Winthrop street .....	100,000 00
Dwelling, No. 230 Playstead road.....	4,000 00
Storehouse .....	500 00
Stables .....	400 00
3.65 acres, lot 1, Playstead road.....	4,750 00
Dwelling in rear.....	1,200 00
3.66 acres, lot 2, in rear Playstead road.....	3,200 00
0.97 acres, Playstead road.....	850 00

3.47 acres, lot 3, in rear Playstead road.....	\$ 3,000 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 .....	3,300 00
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Total of Ward 3.....	\$1,125,950 00

**Ward 4**

Brick Fire House .....	\$75,000 00
10,480 feet land, Main St., cor. South St.....	7,850 00
15,988 feet land, Brooks Park.....	3,500 00
Police Station and Garage.....	30,000 00
9,046 feet land, Main St., cor Swan St.....	6,800 00
Water Works Building .....	14,000 00
Shed .....	500 00
14,656 feet land, Swan St., cor. James St.....	2,200 00
Highway Stables and out buildings.....	22,000 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 .....	55,000 00
43,342 feet land, Hancock avenue, lots A and B	6,500 00
Cradock Schoolhouse .....	12,000 00
26,690 feet land, Summer St., cor Rye St.....	5,350 00
L. L. Dame Schoolhouse .....	95,000 00
49,986 feet land, George street.....	9,000 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
548 feet land, Manning street.....	100 00
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Total of Ward 4.....	\$379,800 00

## Ward 5

Lincoln Schoolhouse .....	\$80,000 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 .....	20,000 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.....	12,000 00
7,780 feet land, lots 25 and 26, Medford street, corner Albion street.....	1,950 00
Two Portable Schoolhouses.....	3,000 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, Leyden St., cor. East Albion St., lot 12 .....	100 00
4,530 feet land, East Albion St., lot 9.....	250 00
<b>Total Ward 5.....</b>	<b>\$189,300 00</b>

## Ward 6

5,210 feet land, Park, High street.....	\$1,550 00
Gleason Schoolhouse.....	8,000 00
20,350 feet land, lot 23, Gleason street, corner of Madison street .....	4,500 00
8.49 acres land, Brooks Playstead.....	73,950 00
Fire Station .....	12,000 00
11,340 feet land, Harvard avenue, corner of Bower street .....	4,550 00

Hervey Schoolhouse .....	\$ 16,000 00
25,600 feet land, lots 66 and 67 Holton street, corner Sharon street.....	5,100 00
1,080 feet land, Canal street .....	100 00
9,650 feet land, Boston avenue .....	2,100 00
Hillside Schoolhouse .....	15,000 00
29,775 feet land, Boston avenue, corner Win- throp street .....	11,900 00
2,000 feet land Jerome street, corner Sherman- street .....	250 00
224 feet land, Sharon street.....	50
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Total of Ward 6.....	\$155,050 00

Ward 7

James Schoolhouse .....	\$30,000 00
Annex .....	5,000 00
58,878 feet land, Spring street, corner Brad- shaw street .....	8,850 00
Engine House .....	4,000 00
8,270 feet land, lot 15, Spring St.....	1,250 00
New Osgood Schoolhouse.....	60,000 00
47,760 feet, Fourth street.....	9,550 00
5,140 feet land, Hall street. . . . .	50 00
13,503 feet land, Myrtle St.....	250 00
1,656 feet land, Riverside Ave., cor. Rockwell Ave. ....	100 00
720 feet land, Linden St., part lot 38.....	50 00
10,224 feet land, Linden St., lot 32.....	300 00
<hr/>	
Total of Ward 7.....	\$119,400 00

## Totals by Wards

(All Parks and Cemeteries included)

Ward 1 .....	\$ 100,250 00
Ward 2 .....	361,300 00
Ward 3 .....	1,125,950 00
Ward 4 .....	379,800 00
Ward 5 .....	189,300 00
Ward 6 .....	155,050 00
Ward 7 .....	119,400 00
	<hr/>
Total .....	\$2,431,050 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).....	100,900 00
Dwelling House, Playstead Road (Ward 3)..	4,000 00
Garage .....	200 00
Stables, Playstead Road (Ward 3).....	400 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) .....	1,200 00
3.66 acres, lot 2, in rear Playstead Road (Ward 3) .....	3,200 00
0.97 acres, lot 3, Playstead Road (Ward 3)..	850 00
3.47 acres, lot 3, in rear Playstead Road (Ward 3) .....	3,000 00
3.48 acres, lot 4, Playstead Road (Ward 3)....	3,050 00
Brooks Park (Ward 4).....	3,500 00
Triangle (Ward 6) .....	1,550 00
	<hr/>
	\$175,100 00

# 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, 1919:

## WATER LOAN SINKING FUND

		Receipts	
1919			
Jan.	1.	Cash on hand .....	\$9,564 35
		Income from invest- ments .....	6,080 76
		Income from bank deposits .....	43 23
Mch.	1.	Medford bonds paid	2,000 00
Apr.	9.	U. S. Certificates paid .....	3,000 00
June	1.	Medford bonds paid	500 00
		U. S. Certificates paid	4,000 00
July	1.	A m e s b u r y bonds paid .....	10,000 00
Oct.	1.	Medford bonds paid	24,000 00
Apr.	1.	Sold to City Notes account, \$1,000 Med- ford 4 per cent. note due Oct. 1, 1919 .....	1,000 00

Apr. 1.	Sold to Sewerage account, \$4,000 Medford 4s, due Aug. 1, 1919, and interest....	\$4,031 11	
Sept. 1.	Sold to Perpetual Care Fund account, \$1,000 Medford 4½s, \$500 each, due June 1, 1927-28, and interest .....	1,011 25	\$65,230 70

**Disbursements**

1919

Jan. 1.	Paid to City to redeem maturing bonds .....	\$ 3,000 00	
	Paid to City income for year 1918.....	5,296 93	
Feb. 13.	Bought \$4,000 U. S. 4½ per cent. Certificates, due Aug. 12, 1919, and interest..	4,000 49	
Apr. 15.	Bought of City \$5,000 Medford 4½s, due June 1, 1919-1928, and interest..	5,084 38	
June 3.	Bought \$7,000 Victory Loan 4¾s, due March 20, 1923, and interest .....	7,011 51	
July 9.	Bought \$10,000 Victory Loan 4¾s, due March 20, 1923, and interest .....	10,064 65	



Aug. 9.	Bought \$3,000 U. S. 4½ per cent. Certificates and interest, due Jan. 2, 1920....	\$3,003 70	
Sept. 15.	Bought \$1,000 Medford 4s, due Sept 1, 1920 @ 99.76 and interest .....	999 16	
Oct. 1.	Paid to City to redeem maturing bonds	25,000 00	\$63,460 82

Cash on hand deposited in Medford Trust Co. ....	\$1,769 88
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Water Loan Fund invested as follows:

Medford four per cent. Water Bonds, due Jan. 1, 1920..	\$2,000 00
Medford four per cent. Water Bonds, due July 1, 1920..	15,000 00
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 Sewer, four per cent. Bonds, due Aug. 1, 1922..	3,000 00
Medford four per cent. bonds, \$500 each, due May 1, 1920-1-2 .....	1,500 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 .....	4,000 00

City of Brockton four per cent. bonds, due April 1, 1921...	\$4,000 00	
Town of Hull, four per cent. note, due Oct. 20, 1920....	3,000 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. bond, due Dec. 1, 1921	2,000 00	
Minneapolis four per cent. bonds, due Jan. 15, 1920..	7,000 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	
U. S. Treas. $4\frac{1}{2}$ per cent. certificates, due Jan. 2, 1920 .....	3,000 00	
City of Medford 4 per cent. bond, due Sept. 1, 1920....	1,000 00	
City of Medford $4\frac{1}{2}$ per cent. bond, \$500 each, due June, 1920-26 .....	3,500 00	
City of Chicago $4\frac{1}{2}$ per cent. bond, due Jan 1, 1920 ....	2,000 00	\$112,000 00
	<hr/>	<hr/>
Jan. 1, 1920, total cash and securities .....		\$113,769 88

**PUBLIC BUILDING LOAN SINKING FUND**

**Receipts**

1919	
Jan. 1. Cash on hand.....	00 00

Income from investments .....	\$ 550 79	
Income from bank deposit .....	44 23	
Maynard bonds paid	5,000 00	
Chicago bonds paid.	1,000 00	
Medford bonds paid	4,000 00	
U. S. Treas. 4½ per cent. certificates paid .....	25,000 00	
	<hr/>	\$35,595 02

**Disbursements**

Paid to City to redeem maturing bonds	\$35,000 00	
Transferred to City Notes account .....	595 02	\$35,595 02
	<hr/>	
Account closed .....		00 00

**SEWERAGE LOAN SINKING FUND**

Apr. 1:

**Receipts**

1919

Jan. 1.	Cash on hand.....	\$ 769 37
	Income from investments .....	7,673 30
	Income from bank deposit .....	40 64
	Appropriation from taxes .....	3,350 00
Apr. 9.	U. S. Certificates paid .....	8,000 00
June 1.	Medford bonds paid	1,000 00

July 1.	U. S. Certificates paid .....	\$5,000 00	
Aug. 1.	Athol bonds paid...	8,000 00	
	Medford bonds paid	21,000 00	
Sept. 1.	Medford bonds paid	2,000 00	
Oct. 1.	Adams bonds paid..	5,000 00	
Nov. 1.	Medford bonds paid	1,400 00	
			\$63,233 31

**Disbursements**

1919			
Mch. 1.	Bought \$1,500 Medford 4s \$500 each, due June 1, 1919; Aug. 3, 1919; Aug. 10, 1919, and interest .....	\$1,505 07	
Apr. 10.	Bought of Water Loan account \$4,000 Medford 4s, due Aug. 1, 1919, and interest .....	4,031 11	
Apr. 11.	Bought \$5,000 U. S. 4½ per cent. Certificates and interest..	5,000 62	
June. 3.	Bought \$5,000 Victory Loan 4¾s, due May 20, 1923, and interest .....	5,008 22	
July 17.	Bought \$3,000 U. S. 4½ Certificates, due March 15, 1920, and interest .....	3,000 74	
Aug. 6.	Bought \$9,000 U. S. 4½ Certificates, due March 15, 1920, and interest .....	9,024 40	

Oct. 7.	Bought \$5,000 U. S. 4 <sup>1</sup> / <sub>4</sub> s Certificates, due March 15, 1920, and interest .....	\$5,012 81	
Dec. 17.	Bought \$7,000 U. S. 4 <sup>1</sup> / <sub>2</sub> s Certificates, due June 15, 1920, and interest .....	7,001 73	
Sept. 5.	Bought of Park Loan account \$1,000 Medford 4s, due Oct. 1, 1924, and interest \$2,000 Am. Tel. & Tel. Co. 4s, due July 1, 1929, and interest	1,017 20	
Aug. 1.	Paid to City to redeem maturing bonds	20,000 00	\$62,616 34

1920

Jan. 1.	Cash on hand deposited in Nat. Shawmut Bank .....		\$616 97
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Sewerage Loan funds invested as follows:

City of Medford four per cent. bond, due July 1, 1924....	\$1,000 00
Medford four per cent. bonds, due June 1, 1920-1924....	1,000 00
Medford four per cent. bonds, due July 1, 1926.....	29,000 00
Medford four per cent. bonds, due Nov. 1, 1920.....	1,400 00
City of Medford four per cent. note, due Dec. 1, 1920....	1,100 00
Medford four per cent. note, due Sept. 1, 1922.....	3,000 00
Medford four per cent. bonds, due Aug. 1, 1922.....	10,000 00

Medford four per cent. bond, due Aug. 1, 1920.....	\$14,000 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 .....	8,000 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
U. S. $4\frac{1}{2}$ per cent. Certificates, due March 15, 1920.....	12,000 00
U. S. $4\frac{1}{4}$ per cent. Certificates, due March 15, 1920.....	5,000 00
U. S. $4\frac{1}{2}$ per cent. Certificates, due June 15, 1920.....	7,000 00

City of Medford 4 per cent. bond, due Oct. 1, 1924....	\$1,000 00	\$154,500 00
	<hr/>	<hr/>
Jan. 1, 1920. Total cash and securities .....		\$155,116 97
		<hr/>

LINCOLN SCHOOLHOUSE LOAN SINKING FUND

Receipts

1919			
Jan. 1.	Cash on hand .....	\$1,786 40	
	Income from invest- ments .....	1,452 45	
	Income from bank deposit .....	27 97	
	Appropriation from taxes .....	1,500 00	
Mch. 1.	Sold to City Notes account \$2,200, Med- ford 4s, due Sept. 1, 1919 .....	2,200 00	
July 1.	Medford bonds paid	2,700 00	
Mch. 3.	U. S. Treas. 4½ per cent. certificates paid	4,000 00	\$13,666 82
		<hr/>	

Disbursements

Mch. 1.	Bought \$4000 U. S. Treas. 4½ per cent. certificates, due Aug. 12, 1919 .....	\$4,000 00
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June 3.	Bought \$4000 Victory Loan 4¾s, due March 15, 1920, with interest .....	\$4,006 58	
July 17.	Bought \$3000 U. S. Treas. 4½ certificates, due March 15, 1920, interest .....	3,000 74	
Dec. 17.	Bought \$2000 U. S. Treas. 4½ certificates, due June 15, 1920, interest .....	2,000 50	13,007 82
		<hr/>	<hr/>

1920

Jan. 1.	Cash on hand deposited in National Shawmut Bank .....		659 00
			<hr/>

Lincoln Scholhouse 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	
Liberty Loan No. 4, 4 $\frac{1}{4}$ per cent. bonds	1,000 00	
Victory Loan No. 5, 4 $\frac{3}{4}$ per cent. bonds, due May 20, 1923...	4,000 00	
U. S. Treas. 4 $\frac{1}{2}$ per cent. certificate bonds, due March 15, 1920 .....	3,000 00	
U. S. Treas. 4 $\frac{1}{2}$ per cent. certificate bonds, due June 15, 1920 .....	2,000 00	38,500 00
	<hr/>	<hr/>

1920		
Jan. 1. Total cash and securities .....		\$39,159 00
		<hr/>

**PUBLIC PLAYGROUND LOAN SINKING FUND**

**Receipts**

1919		
Jan. 1. Cash on hand .....	\$ 264 26	

	Income from invest- ments .....	\$ 288 00	
	Income from bank deposit .....	21 72	
Feb. 15.	Sold to Perpetual Care Fund account 1000 Liberty Loan No. 2 4¼ per cent. bonds at par and interest..	1,010 63	\$1,584 61
		<hr/>	

**Disbursements**

July 17.	Bought 1000 U. S. Treas. 4½ per cent. certificates, due March 15, 1920, and interest .....		\$1,000 25
	1920		
Jan. 1.	Cash on hand depos- ited in National Shawmut Bank .....		\$ 584 36
			<hr/>

Public Playground Loan Funds invested as follows:

City of Newburyport three and one-half per cent. bond due June 1, 1932 .....	\$ 1,000 00
West End Street Railway Co., four per cent. bonds, due Aug. 1, 1932 .....	2,000 00
City of Medford four per cent. bond due July 1, 1932 ....	1,000 00
West End Street Railway Co., four and one-half per cent. bond, due July 1, 1930....	1,000 00
City of Medford four per cent. bond due July 1, 1932 ....	1,000 00

U. S. Treas. 4½ per cent Certificates, due March 15, 1920 .....	\$1,000 00	
City of Medford 4s, 600 each, due July 1, 1931-2.....	1,200 00	\$8,200 00
	<hr/>	<hr/>
Jan. 1, 1920, total cash and securities .....		\$8,784 36
		<hr/>

**SCHOOLHOUSE LOAN 1908 SINKING FUND**

**Receipts**

1919		
Jan. 1.	Cash on hand .....	\$ 324 66
	Income from investment .....	2,724 32
	Income from bank deposit .....	17 14
	Appropriation from taxes .....	3,000 00
Apr. 19.	U. S. Certificates paid .....	4,000 00
June 10.	U. S. Certificates paid .....	4,000 00
		<hr/>
		\$14,066 12

**Disbursements**

Apr. 10.	Bought U. S. Certificates 4½ per cent., due Sept. 10, 1919, and interest .....	\$4,000 49
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June 10.	Bought U. S. Victory Loan 4¾ per cent. bonds, due May 20, 1923, and interest .....	\$4,006 57	
July 7.	Bought U. S. 4½ per cent. Certificates, due March 15, 1920, and interest .....	1,000 25	
Dec. 19.	Bought \$5,000 Medford 4s, due May 1, 1922, and interest....	4,955 83	\$13,963 14

1920

Jan. 1.	Cash on hand deposited in Nat. Shawmut Bank .....		\$ 102 98
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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 $4\frac{3}{4}$ per cent. bonds, due May 20, 1923..	4,000 00	
U. S. Treas. $4\frac{1}{2}$ per cent. Certificates, due March 15, 1920 .....	1,000 00	
City of Melford 4 per cent. bonds, due May 1, 1922...	5,000 00	\$51,000 00
<hr/>		
Jan. 1, 1920. Total cash and securities .....		\$51,102 98
		<hr/>

**CITY NOTES LOAN SINKING FUND**

**Receipts**

<b>1919</b>	
Jan. 1. Cash on hand.....	\$885 97
Income from investments .....	3,892 94
Interest from bank deposit .....	29 32
Appropriation from taxes .....	1,250 00
Transferred from Public Building account .....	595 02
Transferred from Park loan account	
<b>\$1,660.65</b>	

	(\$1,000 West End St. R. way Co. 4½ per cent. bond, due July 1, 1930, and cash)...	\$ 660 65
Feb. 15.	Sold to Perpetual Care Fund account \$1,000 Liberty Loan No. 2, 4¼ per cent. bond and interest...	1,010 62
May 1.	U. S. Certificate paid	8,000 00
June 30.	Sold to Schoolhouse Improvement account, Providence & Spring- field 5 per cent bonds, due July 1, 1922....	2,000 00
	Also Medford 4 per cent bond, due July 1, 1925 .....	600 00
Mch. 1.	Medford bonds paid	3,000 00
May 1.	Medford bonds paid	1,100 00
July 1.	Medford bonds paid	600 00
Sept. 1.	Medford notes paid.	4,200 00
Oct. 1.	Medford notes paid.	4,000 00
Dec. 1.	Medford notes paid.	16,500 00
		<hr/>
		\$48,324 52

#### Disbursements

May 1.	Paid to City to re- deem maturing notes	\$12,500 00
July 2.	Paid to City to re- deem maturing notes	4,000 00
Sept. 2.	Paid to City to re- deem maturing notes	4,200 00
Oct. 1.	Paid to City to re- deem maturing notes	4,000 00

Dec. 1.	Paid to City to re- deem maturing notes	\$16,500 00	
Apr. 1.	Bought of Water Loan account, \$1,000 Medford 4 per cent. bond, due Oct. 1, 1919 .....	1,000 00	
Mch. 1.	Bought of Lincoln Schoolhouse Loan ac- count \$2,200 Med- ford 4 per cent. Note, due Sept. 1, 1919....	2,200 00	
Dec. 17.	Bought \$3,000 U. S. 4½ per cent. Certifi- cates, due June 15, 1920, and interest..	3,000 74	\$47,400 74

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Jan. 1, 1920. Cash on hand de-  
posited in Medford  
ford Trust Co..... \$923 78

City Notes Loan fund invested as follows:

Due July 1, 1920 .....	\$13,000 00
Due Nov. 1, 1920 .....	8,000 00
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, 1920-1924....	3,000 00
Medford four per cent. bonds, due July 1, 1922.....	500 00
Medford four per cent. bonds, Due Oct. 1, 1924.....	2,000 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	
U. S. 4½ per cent. Certificates, due June 15, 1920.....	3,000 00	
Liberty Loan No. 2, 4¼ per cent. bond .....	1,000 00	\$60,000 00
<hr/>		
Jan. 1, 1920. Total cash and securities .....		\$60,923 78

**PARK LOAN SINKING FUND**

**Receipts**

1919		
Jan. 1.	Cash on hand.....	00 00
	Income from investments .....	1,455 00
	Income from bank deposits .....	8 79
Sept. 5.	Sold to Sewerage account \$1,000 Medford 4s; due Oct. 1, 1924, with interest..	1,017 20
	\$2,000 Am. Tel & Tel. Co. 4s, due July 1, 1929, and interest....	2,014 44



Dec. 1.	Transferred as part of surplus \$1,000 West End St. R.way 4½ per cent bond, due July 1, 1930....	\$1,000 00	
		<hr/>	\$5,495 43

Disbursements

Sept. 8.	Bought \$4,000 Med- ford 4s, due July 1, 1932, with interest..	3,834 78	
Dec. 15.	Transferred surplus to City Notes account	1,660 65	\$5,495 43
		<hr/>	<hr/>
Jan. 1, 1920.	Cash on hand..		\$00 00
	Park Loan Fund invested as follows:		
	City of Fall River three and one-half per cent. bond, due Nov. 1, 1929.....	\$1,000 00	
	Town of Winchester three and one-half per cent. bond, due Oct. 1, 1929.....	4,000 00	
	Commonwealth of Massachu- setts 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....	14,000 00	
	City of Salem four per cent. registered bond, due Feb. 1, 1929 .....	2,500 00	
	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	
West End Street Railway Co., four per cent. bonds, due Aug. 1, 1932.....	2,000 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, 1920. Total securities.		\$32,000 00
		<hr/>

**CITY STABLES LOAN SINKING FUND**

**Receipts**

1919		
Jan. 1. Cash on hand.....	\$683 61	
Income from investments .....	400 00	
Income from bank deposit .....	13 79	
Appropriation from taxes .....	320 00	
	<hr/>	
Jan. 1, 1920. Cash on hand deposited in Medford Trust Co. ....		\$1,417 40
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...	5,000 00	\$10,000 00
	<hr/>	<hr/>
Jan. 1, 1920. Total securities and cash .....		\$11,417 40
		<hr/>

**SCHOOLHOUSE IMPROVEMENT LOAN SINKING  
FUND**

1919

Jan. 1. Cash on hand.....	\$ 833 58
Income from invest- ment .....	306 50
Income from bank deposit .....	20 79
Appropriation from taxes .....	500 00
Medford bond ma- tured .....	1,200 00
Apr.. 10. Sold to Metropolitan Park assessment account \$1,000 Fitch-	

burg R. R. 4½ per cent. bond, due Jan. 1, 1933, and interest..	\$1,015 00	
	<hr/>	\$3,875 87

**Disbursement**

June 30. Bought of City Note account, \$2,000 Providence & Springfield R. R. Co. 5 per cent. bonds, due July 1, 1922 .....	\$2,000 00	
July 1. \$600 Medford 4s, due July 1, 1922.....	600 00	\$2,600 00
	<hr/>	<hr/>
Jan. 1, 1920. Cash on hand deposited in Medford Trust Co. ....		\$1,275 87
Schoolhouse Improvement Loan Fund invested as follows:		
Boston & Maine R. R. four per cent. bond, due Sept. 1, 1926	\$1,000 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	
City of Quincy four per cent. bond, due Aug. 1, 1920....	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	\$6,600 00
	<hr/>	<hr/>
Jan. 1, 1920. Total securities and cash .....		\$7,875 87
		<hr/>

**METROPOLITAN PARK ASSESSMENT LOAN  
SINKING FUND**

**Receipts**

1919

Jan. 1.	Cash on hand.....	\$1,202 04	
	Income from invest- ments .....	648 00	
	Income from bank deposit .....	14 00	
	Appropriation from taxes .....	180 00	
		<hr/>	\$2,044 04

**Disbursements**

April 10.	Bought of School- house Improvement account \$1,000 Fitch- burg R. R. 4½ per cent. bond, due Jan. 1, 1933, and interest.	\$1,015 00	
Dec. 19.	Bought \$1,000 Med- ford four per cent bond, due Oct. 2, 1920, and interest...	1,004 76	\$2,019 76
		<hr/>	<hr/>
Jan. 1, 1920.	Cash on hand deposited in Medford Trust Co. ....		\$24 28
	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 Aug., 1932 .....	2,000 00	
Boston & Maine Railroad four per cent. bond, due Sept. 1, 1926 .....	1,000 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	
City of Medford four per cent. bond, due June 1, 1920.....	1,200 00	
City of Medford four per cent. bond, due Oct. 2, 1920....	1,000 00	\$15,450 00
	<hr/>	<hr/>
Jan. 1, 1920. Total cash and securities .....		\$15,474 28
		<hr/>

**PERPETUAL CARE FUND**

**Receipts**

1919	
Jan. 1. Cash on hand.....	\$3,475 89
Income from investments .....	1,911 68

Income from bank deposit .....	\$ 13 80	
Received from City..	1,917 50	
	<hr/>	\$7,318 87

**Disbursements**

Jan. 13.	Paid income to City.	\$1,661 86	
Feb. 15.	Bought of City Notes account \$1,000 Liberty Loan No. 2, 4 $\frac{1}{4}$ s bonds at par and interest .....	1,010 62	
	Bought of Public Playground account \$1,000 Liberty Loan No. 2, 4 $\frac{1}{4}$ s bond at par and interest....	1,010 63	
Sept. 2.	Bought of Water Loan account \$1,000 Medford 4 $\frac{1}{2}$ per cent. bonds, \$500 each, due June 1, 1927-1928, with interest .....	1,011 25	\$4,694 36
		<hr/>	<hr/>
Jan. 1, 1920.	Cash on hand deposited in Medford Trust Co. ....		\$2,624 51
			<hr/>

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, 1926-30 . . . . .	3,000 00
City of Medford four per cent. bonds, \$600 each, due May 1, 1920-24 . . . . .	3,000 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
Boston and Northern St. Ry. four per cent bonds, due July 1, 1954 . . . . .	4,000 00
Chicago, Burlington & Quincy R. R., Ill. Div., three and one-half per cent. bond, due July 1, 1949 . . . . .	6,000 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, 1927-28..	1,000 00	\$49,000 00
	<hr/>	<hr/>
Jan. 1, 1920. Total cash and securities .....		\$51,624 51
		<hr/>

**TRUST FUNDS**

**Receipts**

1919		
Jan. 1. Cash on hand.....	\$556 74	
Income from invest- ments .....	696 67	
Income from bank deposit .....	12 03	
	<hr/>	\$1,265 44

**Disbursements**

1919		
Nov. 15. Paid income to City		\$708 70
		<hr/>

Jan. 1, 1920. Cash on hand deposited in Medford Trust Co. ....		\$556 74
The Trust Funds are invested as follows:		
Chicago, Burlington & Quincy, Ill. Div., three and one-half per cent. bonds, due July 1, 1949 .....	\$ 3,500 00	
New York, New Haven & Hartford 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 & Northern St. Ry. Co. four per cent. bond, due July 1, 1954 .....	1,000 00	
Boston Elevated St. Ry. Co. four and one-half per cent. bond, due Nov. 1, 1941.....	2,000 00	
Boston Elevated St. Ry. Co. five per cent. bond, due Dec. 1, 1942 .....	8,000 00	\$15,500 00
		<hr/>
Jan. 1, 1920. Total cash and securities .....		\$16,056 74
		<hr/>

**RECAPITULATION**

**Sinking Funds**

1919

Jan. 1. Amount of funds....	\$589,264 23
Received from City..	10,100 00

REPORT OF COMMISSIONERS OF SINKING FUNDS 215

Income .....	\$25,753 68	
Premiums and accrued interest .....	3 53	\$625,121 45
	<hr/>	<hr/>

**Disbursements**

Paid to City.....	\$124,200 00	
Water Fund income.	5,296 93	\$129,496 93
	<hr/>	<hr/>

Jan. 1, 1920. Amount of Funds \$495,624 52

**Perpetual Care Fund**

1919

Jan. 1. Amount on hand....	\$49,475 89	
Income .....	1,925 48	
Received from City..	1,917 50	
	<hr/>	\$53,318 87

**Disbursements**

Paid to City .....	\$1,661 86	
Accrued interest on bonds purchased ...	32 50	\$1,694 36
	<hr/>	<hr/>

Jan. 1, 1920. Amount of Funds \$51,624 51

**Trust Funds**

1919

Jan. 1. Amount of Funds...	\$16,056 74	
Income .....	708 70	
	<hr/>	\$16,765 44

**Disbursements**

Paid to City .....		\$ 708 70
		<hr/>

Jan. 1, 1920. Amount of Funds \$16,056 74

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 .....	\$2,245 00
Metropolitan Park .....	180 00
Lincoln School .....	1,500 00
City Stables .....	320 00
Schoolhouse Improvement .....	500 00
Schoolhouse of 1908 .....	2,600 00
City Notes .....	1,050 00
	<hr/>
Total .....	\$8,395 00

And the Commissioners have certified to the City Auditor that this amount of \$8,395.00 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.

# Report of the City Treasurer

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January 1st, 1920.

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

Dear Sir:

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

Cash in Treasury Jan. 1st, 1919.....	\$ 95,780 10
Receipts to Dec. 31st, 1919.....	2,494,513 04
	<hr/>
	\$2,590,293 14
Expenditures to Dec. 31st, 1919.....	\$2,371,063 20
	<hr/>
Cash in Treasury Jan. 1st, 1920.....	\$ 219,229 94

Respectfully submitted,

EDWARD A. BADGER,

City Treasurer.

# Report of the Chief of the Fire Department

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Honorable Benjamin F. Haines,  
Mayor, City of Medford,  
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, 1919.

During the past year this department has been very successful in keeping to a minimum the fire losses in our city, owing to the splendid co-operation of the officers and men, which has made this possible and is worthy of mention at this time.

The addition of twelve more permanent men during the year has been a tremendous help and we are rapidly nearing the time when we can put the department on an absolutely permanent basis.

In order to properly acquaint the members of the department with a thorough understanding and use of the different appliances used in the extinguishing of fires, a school for instruction and drill is maintained and excellent results have been attained.

The department is now quite complete in organization with one exception: i. e. it is necessary in order that repairs on apparatus may be expeditiously handled, that a mecha-

nician should be appointed without delay. A previous communication to you covers this recommendation. I would also strongly urge that an appropriation be made for the purchasing of such machinery for the repair shop, as will equip this department to handle the work which we are called upon to do.

Under the supervision of Hoseman O. C. Nicoll, the repairs and reconstruction of apparatus has been done during the past year, making a saving to the city of many hundreds of dollars. This work includes the rebuilding of the old Knox Touring Car, formerly used by the Chief, being rebuilt into a small combination wagon with a hose body carrying 400 feet of 2½-inch hose, also a forty-gallon chemical tank with 200 feet of chemical hose and two pony extinguishers. This extra piece of apparatus is classed as Hose 6 in service, at the Central Fire Station, for emergency and spare work and for grass and brush fires. By the use of this piece, it makes a great saving of the heavy apparatus. All work on Hose 6 was done by the men of the department with the exception of the lettering and striping. Engine 1 has been rebuilt and repaired due to the accident in April of last year and the men are deserving of great credit for what they have accomplished with so little to do with. I sincerely hope that there will be no delay in adopting the recommendations, as named, as it will bring back to the city many times the saving of the amount of money required.

#### **Apparatus in service as follows**

##### Headquarters

- One Chief's Car.
- One Motor Driven Pumping Engine.
- One Motor Driven Ladder Truck.
- One small Combination Motor Truck in reserve.
- One Steam Fire Engine, which is assigned to all second alarms.

## Harvard Avenue Station

One Motor Driven Combination Hose and Chemical Truck.

## Salem Street Station

One Motor Driven Combination Hose and Chemical Truck.

One Motor Driven Ladder Truck.

## Spring Street Station

One Motor Driven Combination Hose and Chemical Truck.

## Medford Street Station

One Motor Driven Combination Hose and Chemical Truck.

## Organization of Department

## Permanent Members

Chief  
Deputy Chief  
Seven Captains  
Seven Lieutenants  
Twenty-six Privates

## Callmen

Nine Regular Callmen

## Substitute Callmen

Six Substitute Callmen

The above members are assigned as follows:



Headquarters

Chief

Deputy Chief

Engine One

Captain

Lieutenant

Five Permanent Hosemen

One Call Hoseman

One Call Substitute

Ladder One

Captain

Lieutenant

Five Permanent Hosemen

Four Call Laddermen

One Call Substitute

Harvard Avenue Station

Hose Company Two

Captain

Lieutenant

Three Permanent Hosemen

Three Call Hosemen

Salem Street Station

Hose Company Three

Captain

Lieutenant

Three Permanent Hosemen

One Call Hoseman

Two Call Substitutes

## Ladder Company Two

Captain  
 Lieutenant  
 Four Permanent Laddermen  
 One Call Substitute

## Spring Street Station

## Hose Company Four

Captain  
 Lieutenant  
 Three Permanent Hosemen

## Medford Street Station

## Hose Company Five

Captain  
 Lieutenant  
 Three Permanent Hosemen  
 Pension  
 One Permanent Member on Pension

## Fires and Losses

## Property at risk:

Value of Buildings.....	\$477,045 00
Value of Contents .....	172,330 00
Value of Automobiles .....	14,050 00
	<hr/>
Total .....	\$663,425 00
Insurance on same:	
Insurance on Buildings .....	\$453,700 00
Insurance on Contents .....	139,400 00
Insurance on Automobiles .....	11,900 00
	<hr/>
Total .....	\$605,000 00

REPORT OF FIRE DEPARTMENT

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Insurance loss:

Loss on Buildings.....	\$ 18,139 85
Loss of Contents .....	13,887 00
Loss on Automobiles .....	763 00

Total ..... \$ 32,789 85

Not insured loss:

Loss on Buildings .....	\$ 1,190 00
Loss on Contents .....	1,565 00

Total ..... \$ 2,755 00

The whole number of alarms during the year ending Dec. 31, 1919, was 432; 212 of these were received from street boxes and 220 were received by telephone.

	Boxes	Stills	Feet of hose used	Gallons of Chemical used	Feet of Ladders used	Miles traveled	Hours in service
Engine 1...	211 1 Arl.	9	12,500	97 3 Pyrenes		470.	65h., 50m.
Hose 2....	86 3 Arl.	38	2,750	636	16	244.7	55h., 18m.
Hose 5....	134 29 Som.	48	7,500	977	90	545.8	104h., 2m.
Hose 3....	181	33	7,350	381	92	491.	105h., 49m.
Hose 4....	99	33	4,465	432	32	330.8	76h., 40m.
Ladder 1..	145 3 Arl.	24		866 4 Pyrenes	968	277.	49h., 2m.
Ladder 2..	133	11		396	316	292.7	60h., 48m.
Hose 6....		24					
Totals...		220	34,350	3,785	1,514	2,652.	500h., 33m.

About 3,000 feet of 2½-inch Single Jacket Hose is still in use in the department. There has been about 900 feet of hose condemned this year.

Would recommend that two thousand feet (2,000) more of 2½-inch Double Jacket Hose be purchased this year, to keep the department on the safe side and to take care of all conditions which may arise.

In closing, I wish to thank your Honor and City Government for the co-operation and support they have given me; also the Police Department, Water and Sewer Department and the Highway Department, for their assistance rendered during the year.

Respectfully submitted,

THOMAS A. QUALEY,

Chief of Fire Department.

# Report of School Department

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**SCHOOL COMMITTEE FOR 1919**

**Membership**

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

**At Large**

	Term Expires
Edward W. Barrett, M. D., 104 Salem Street.....	1919
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.....1919
6. Joseph W. Phelan, 60 Brooks St., W. Medford.....1921
7. Joseph C. Smith, 38 Fifth St., Wellington.....1919

**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.

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

**Buildings:** Fuller.

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 1920

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### Winter Term

Begins January 1 and closes April 16.

### Spring Term

Begins April 26 and closes Friday, June 28.

### Fall Term

Begins Sept. 8 (Wednesday) and closes Dec. 17.

### 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, 1919.

To His Honor, Benjamin F. Haines, Mayor:

Sir: The School Committee herewith submits its annual report.

No permanent addition has been made to school property during the last year. This fact is to be regretted, especially as the war had stopped building the year before. It is hoped that some new construction will be started soon, as the needs are pressing, and a long time is required to complete suitable buildings.

Salaries of our teachers and other employees have again been increased, and we believe are somewhat more nearly adequate. In view of this, it is surprising that so many teachers are leaving, and that there are so few applicants. It will probably be some time before the supply of teachers will meet the demand. Pupils have been studying for other vocations during the last few years—stimulated by extraordinary conditions, and it will take considerable time for things to adjust themselves.

One of the most satisfactory happenings of the year has been the opportunity to make quite extensive repairs in many of our school buildings. The appropriation for this work has been so small for many years, that the Committee looked not only with regret, but with alarm at the constantly increasing need, and the continued lack of money. Happily it was found possible to make a substantial appropriation last spring, and many long needed repairs have been made. These include grading at the Franklin School, and the repairing of its foundation; repairs on the roof of the Curtis School; as well as a new heating system at the Centre School. Many other repairs of less importance have been made, and we would have done more had the appropriation been available sooner. It is hoped that an adequate sum may be had this year to continue this work.

Fortunately, we have had no interruptions of our school session this year, due to sickness or lack of fuel. Of course it is gratifying to say that we have not been obliged to close our schools during the year for want of coal, and every member of the Committee feels relieved in making such a statement. The purchasing of fuel is now practically out of the Committee's hands, but our interest continues even beyond having a sufficient supply, and we should like to see the use of soft coal done away with as much as possible.

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 :

The inevitable aftermath of war is social demoralization to a greater or less degree. Such demoralization we are experiencing today; and the schools of the land are suffering in this respect in common with other social institutions. It is becoming increasingly difficult in the midst of the prevailing unrest in every field of human endeavor to maintain a desirable degree of efficiency in the administration of our schools. To an unusual degree, pupils of the elementary and secondary school grades tend to become lax in attendance and in application, to minimize the worth of education, and to fall off in quality of scholarship. A similar tendency is observable in higher institutions of learning. Aroused by the lack of application, the irregularity in attendance and the indifference to their educational advantages of the Brown University students, as indicated by the large number of failures and mere "pass marks" in the recent midyear examinations, Dean Randall said in a recent address to the students of that institution: "The spirit of unrest which has prevailed throughout the country since the war has pervaded the colleges, as well as other institutions, and has had disastrous results. Never in the memory of most of us has it been so difficult for officers to hold students to their tasks and to secure from them the quality of work which a high-grade institution has a right to expect, as it has been this year."

The disastrous effect of this spirit of unrest upon our local schools appears in a decrease during the past year of 1.8 per cent. in the regularity of the attendance of pupils and in an increase of 25 per cent. in the amount of truancy, of 34 per cent. in the amount of tardiness and of 18 per cent. in the amount of dismissal.

Under such a handicap to efficient work, it is not to be expected that as high a standard of result could be secured as might have been under normal conditions. However, the faithful efforts of our corps of teachers, as a whole, have made possible a degree of excellence in the year's work that is reasonably satisfactory.

### Statistical Matter

The usual tables of statistics, which it has been found wise to compile from year to year for reference in studying the development of the school system, may be found in Appendix A.

These tables show a few facts that I wish to note here.

1. The number of different pupils in the schools in December, 1919, was 6205. This is 213 more than the number registered in December, 1918,—an increase of 3.5 per cent. for the year.

2. For the school year ending with June, 1919, seventeen and three-tenth per cent. of the entire membership of the schools of the City was registered in the high school department. This is 3.5 per cent. above the average for the other 37 cities of the state.

3. Table V, which is the annual exhibit of the cost of school maintenance, shows that the expenditure per pupil in 1919 for all grades for the regular day school work was \$4.94 more than in 1918, and that the expenditure per pupil during the same period for high school purposes was \$7.65 more than in 1918.

While these increases are the result in part of the rising cost for practically everything required by school maintenance, they are chiefly due (a) to necessary increases in the salaries of the employees of the department and (b) to the fact that in 1919 the expenditure for repairs on school property was \$11,000 more than in either of the two preceding years. This relatively large expenditure for repairs was required because, for several previous years, the ap-

propriations granted for this item had been insufficient to keep the school property from wasteful deterioration, although each year the school committee had requested for this purpose larger amounts than were appropriated. The extra expenditure for repairs alone in 1919 accounts for 37 per cent. of the total per capita increase for the year.

In this connection, it may be noted that the expenditure for the support of all branches of public school work in Medford for the school year ending with June, 1919, is \$11.67 less per pupil than the average of the similar costs for the other 37 cities of the Commonwealth and \$12.58 less per pupil than that for the State at large. It would appear, therefore, that our local schools are managed with a reasonable regard for economy.

### **Closer Supervision of Class-room Work**

During the past ten years the membership of our schools has increased nearly 50 per cent. (46.8%). The increased administrative work resulting from this growth in the school system and from the re-organization and extension of the scope of work undertaken in the schools has made it impossible latterly for the superintendent to give the school-room work of the teachers the close supervision that is required for the best results.

Since 1912, Miss Margaret Grady has been employed to supervise the work of grades I-III inclusive, and the splendid results developed in those grades are ample proof of the wisdom of the step taken in her employment. Miss Grady gives three days per week to this work in Medford and is employed for the balance of her time by Melrose in similar work. The following extract is from her recent report to me upon the conditions of the work under her supervision: "The work of the past year in the Primary Grades has, on the whole, been satisfactory, showing marked improvement in the fundamental studies. Grade meetings have been held monthly for discussion of the best methods

of work. The teachers appear to appreciate these meetings and I am certain all have been benefitted by them.

“Physical education has had a definite place in the program of the primary grades during the past year. So far as possible the school should assist children to develop sound bodies and correct physical habits; and I hope to see increasingly good results from our work in this line.

“I cannot speak too highly of the splendid spirit shown by teachers and pupils in their work, and of the efforts made by both to maintain the high standard of scholarship which we are getting more and more each year.”

In order that grades IV to IX might have that closer direction which had proved so valuable in the primary grades and which, as previously suggested, increased administrative demands upon the superintendent's time made it impossible for him to give, it was voted near the close of the school year in June, 1919, to employ a special supervisor for those grades. Elizabeth T. Newell, who had served the City for several years as Principal of the Osgood School, was selected for this work. Mrs. Newell is a graduate from both normal school and college, has had large experience as a teacher, and for some time was a district superintendent of schools in Maine.

During the few months that Mrs. Newell has been serving in this new field, she has shown an enthusiasm and capacity for the work which make me confident that no mistake was made either in creating the new position or in selecting its incumbent.

The following extract from a recent report to me by Mrs. Newell gives an idea of the character of her work: “I have used three methods of assisting teachers in their work,—(1) monthly meetings, (2) outlines of their work by the month, and (3) personal inspection of their school-room procedure. I have endeavored to visit each building as frequently as once a week. Many have been visited more frequently. It has been my practice, after listening to a

recitation, to make such suggestions to the teacher upon the work as I felt might be helpful. Sometimes I have taught the class myself, when teachers have wished to see a new phase of the work developed. For example, I taught the first lesson in fractions to the fourth grades throughout the City.

“At the beginning of the year, I gave a test upon the fundamental operations in arithmetic. The results were not all one could desire. Consequently, the teachers and myself decided to have a ten-minute speed drill each morning. Recently I tested again the pupils in Grades IV and V for speed and accuracy. The results indicated decided improvement over the results of the earlier test.

“I have employed Stone’s Standard Reasoning Test with pupils of Grades VIB and VIA, and the results showed that much more time should be given to train our pupils to think well with arithmetical data, and special effort is now being put forth in this direction.

“In October, a Committee on Reading was organized at your suggestion and a new course of study in this subject will soon be ready for your approval. I am working, also, upon geographical material and in the early spring I expect to have this material ready for the consideration of a committee of teachers chosen to arrange a new course of study in Geography.

“While I have inspected the work of the junior high grades, regularly, I have, at your suggestion, put forth my greatest effort with the grades preparing for junior high work.”

### Junior High School Conditions

Junior high school work was started in the City in September, 1918. Teachers in charge of this work have shown commendable efficiency, pupils have seemed to appreciate the new conditions of work and the larger opportunities offered, and the results obtained appear to be bet-

ter than formerly. We are seriously handicapped, however, in securing the full benefit of the change by the conditions under which it has been necessary to carry on a great deal of work. As planned, three centers for this work were contemplated,—one in the eastern, one in the southern, and one in the western section of the City,—in which all pupils in grades VII, VIII, and IX should be accommodated. To date, proper accommodations for the purpose have been provided by the City in only one section, viz., the eastern. As a result, the junior high pupils in the southern and western sections are being cared for as conditions permit,—some at the Lincoln School, some at the Lorin L. Dame School, some at the Brooks School, some at the Centre School, and some at the High School. This arrangement, which is due, as suggested, to the lack of proper housing facilities, makes it impossible to carry out fully the program of work outlined for the junior high school grades. For example, (1) work in typewriting, planned to begin in Grade VIIIB, cannot be given at present in that grade; (2) Spanish, which it was planned to start in Grade VIIIB, cannot be given either at the Lincoln, the Lorin L. Dame, or the Brooks School, because there are so few junior high school pupils at any one of the buildings that the number electing that study has not warranted starting a class, and the same thing is true in some other lines of work offered in the program; (3) Grades VIIIB and VIIIA at the Centre School are made up of the overflow from the Lincoln, Lorin L. Dame, and Brooks Schools, and, as the distance that these pupils have to travel to and from school is too great to permit a double session daily, such as is held at the Swan Junior High, it is necessary for them to have a single-session day from 8 to 1 o'clock, which deprives them largely of a valuable feature of the junior high plan, viz., supervised study which requires a longer school day in order that it may be used advantageously; (4) the necessity, under present conditions, of placing the majority of the pupils in Grades IXB and IXA in the High School makes



it impossible to carry out with them the entire junior high program for those grades, owing to the fact that the administrative requirements of the High School compel the junior high program to be adjusted to a schedule of class periods different from that planned for junior high pupils.

In order to reduce the waste involved in the transition from the lower grades to high school work, it has been arranged for heads of certain lines of work in the High School to exercise more or less supervision over the related work of the junior high grades. As a result of this arrangement, we are indebted to Mr. Towle of the Commercial Department, Mr. Gilkey of the Latin Department, Miss Clapp of the Modern Language Department, Miss Small of the English Department and Mr. Tobey, Instructor in General Science work in the High School, for suggestions calculated to render the work of the junior high grades more effective than otherwise it might be as a preparation for the high school grades. In this connection I desire to note especially two teachers who have been unusually helpful in their fields of work in the inauguration of our junior high school system,—(1) Miss Ross of the High School who has done valuable work both in giving instruction directly to junior high classes in French and in training several of our junior high teachers to become instructors in that subject, and (2) Miss McCarthy, a former teacher in the High School, who was transferred to the Swan Junior High School, when it was opened, to have immediate direction of the commercial lines of work in the junior high grades and of the training of additional teachers in that field. Without the splendid service of these two teachers much of the effectiveness of the work that is being done in French and commercial training in the junior high grades would have been impossible.

Notwithstanding the handicap to efficient junior high work resulting from the inadequate accommodations to which I have previously alluded, I am confident that the re-

organization of our schools upon a junior high basis was a move in the right direction and one whose benefits will appear more largely as time goes on and conditions become more favorable to the accomplishment of good work in those grades.

### The High School

In spite of an unusually large number of changes during the past year in the corps of teachers in this school and of the fact that the spirit of unrest and demoralization resulting from the war period has affected high school pupils to a greater degree, perhaps, than those in preceding grades, I have been gratified, on the whole, with the accomplishment of this school during the past year.

Your attention is invited to the following report of Principal Howlett:

Mr. F. H. Nickerson,  
Superintendent of Schools.

My dear Mr. Nickerson:

At your suggestion, I am making a report on some of the activities of the Medford High School, for the year ending December 31, 1919.

The school has graduated 157 pupils during the year, 28 in February, and 129 in June. About the usual number of these, 37 according to our records, have gone on to higher education. They are distributed among sixteen different institutions, as follows: Massachusetts Institute of Technology, Harvard, Boston University (College of Liberal Arts, School of Business Administration, and Law School), Tufts, Jackson, Smith, Holy Cross, Dartmouth, Colby, Colgate, New Hampshire State, and the normal schools at Salem, Bridgewater, and Framingham. More than a passing mention should be made of this part of the school's work, its preparation of pupils for higher education.

At the present time, the school has the "A" grade, the highest grade, approval of the State Board of Education. The pupils who attain a specified standard of scholarship, not lower than B, or eighty per cent., and who are qualified in other respects, may be certified to all normal schools, without examinations. With few exceptions, all our pupils who go to normal school now go in this way.

Through the approval of the New England College Entrance Certificate Board, the school enjoys a like privilege with all the colleges which admit students by certificate. This includes all the institutions of New England, except Massachusetts Institute of Technology, Harvard, Yale, Mount Holyoke, Smith, and Wellesley, which now admit by examinations. The school has had this certificate privilege for many years, in fact ever since the colleges adopted this method of admission. It is a significant fact that, as far as is known, no complaint has ever come back concerning any subject in which the Medford High School has certified a pupil to college. This is more noteworthy in view of the fact that at least four out of every five pupils whom the school prepares for college are sent on certificate. Of the 30 pupils whom it sent to college this year 25 went by certificate, and 3 others in part by certificate; all the normal school pupils went by certificate.

It thus appears that a very small number of our pupils are under the necessity of taking college entrance examinations. These pupils who have to take examinations are of two groups. One group is of pupils whose scholastic ratings would entitle them to certification but who are going to institutions which admit only by examinations. The other group is of pupils whose ratings do not entitle them to certification and who consequently have to take examinations to enter any college. They regularly take examinations, without the recommendations of teachers, and their failures occasion regret rather than surprise. This second group is generally much smaller than the first, and the two

groups taken together do not, as a rule, constitute one-fifth of the pupils whom the school sends to college, and seldom constitute as much as one per cent. of the school enrolment. Yet, too frequently, it is for the varying fortunes of this small part of a school's output that blessings, or their opposites, are heaped upon the heads of teachers. These fortunes, or misfortunes, of schools in general are set forth in impressive fashion in the following table taken from the latest report of the College Entrance Examination Board, a table based upon the results in over three hundred thousand examinations, and covering a period of ten years:

Subject	Number of Answer Books	Percentage of Books Rated as passing
Greek	8,048	66.1
French	31,602	61.9
Latin	71,496	58.1
Physics	11,079	54.9
Chemistry	6,441	52.1
Mathematics	78,232	51.1
German	23,207	49.7
English	44,136	45.2
History	28,536	35.9
All subjects	307,865	52.3

This table shows that only 52.3 per cent., little more than one-half, of those who take examinations pass them; and that in two very important subjects, English and History, only 45.2 per cent. in the one and 35.9 per cent. in the other attain a passing mark. These results, and others like them, may well raise a question as to the examination standard. "It is probable," President Lowell says in his report, "that the examinations for admission are themselves not as accurate a test as they ought to be." As proof of this, one of our pupils who made what might be regarded as a fine failure in the examinations, this year, but who was later admitted to a less hedged about, albeit a reputable institu-

tion, is reported by the dean, at the end of the first half-year, as doing much better than an average grade of work. Another of our pupils, this year, passed the examinations with such success that Acting Dean Greenough of Harvard has sent the school an unsolicited letter of commendation, closing thus, "With congratulations on the good work of your school which ——'s record reflects." So fare the schools in college examinations, our own among the more fortunate.

While this work of preparing pupils for higher institutions has been done with a reasonable measure of success in this school, it must be set down very frankly that at present the work is not unattended with difficulties. For one thing, it should be noted that while this school, and every general type high school, is preparing one pupil for college, it must attempt something worth while for nine others who will not go beyond this school,—many of them, in fact, will not go through the high school. If some means were at hand for measuring what a school does for these nine, as the Examination Board tries to evaluate what is done for the one, it is highly probable that all schools, our own among the first, would receive a larger measure of public commendation. Another thing adds to the difficulty of our preparatory work. While higher institutions are not less exacting in their requirements than formerly, one year has been taken from the pupil's period of preparation, through the dropping out of a grade. This change to twelve grades has doubtless been of value to the pupils who are not going beyond the high school, but to many who are going to college it has, at present, this grave disadvantage that it brings them to their strictly college preparatory work one year less mature. Until this change of grades has worked its way through the system, and in many cases even then, pupils should take five years for their preparatory work in the high school. A post-graduate year, sometimes taken, is not satisfactory; the work should be wisely distributed over five years. A further difficulty, too often overlooked, all schools feel, and will feel

for some time, in all their work, the difficulty growing out of the restlessness and stress of the war-filled years.

A more general report would note the fine results in physical training; the excellent work of the household arts department; the very encouraging conditions in the commercial department, a department now enrolling about two-thirds of the pupils of the school, and in which—tell it not in the teachers' agencies—our teaching personnel and standards of work, at the present time, are both of the highest grade. At another time the work of these departments will be reported more in detail. Something will be said, also, of an earnest effort now being made to bring home and school into closer and more helpful co-operation.

It has been a cause of some disappointment, and doubtless of some misunderstanding, the present year, to be without a school battalion. At the opening of the year, in September, an urgent appeal was made to the pupils for support of this school activity, but so few could be induced to take the work that the teacher-director considered the organization of a battalion impracticable, and advised suspension of the work. The Government, the previous spring, had given the school good reason to expect that, in September, there would be established in this school a unit of the Reserve Officers' Training Corps; but it later found itself unable to carry out this plan, because of the limited number of army officers available for such work. This was the last in a long series of causes leading up, not so much to a decline, as to a transfer of battalion interest. Other causes of this apparent change of interest grew out of the war. The war withdrew from the school the splendid services of Major Whitney; it forced upon the attention of some of the older boys particularly a rather unfortunate contrast between drill as carried on in school, and the real preparation for war; it aroused an unusual interest in the more strenuous sports, such as football; and it lifted the cost of equipment, already a very serious consideration, to practically a prohibitive price. Still another factor in the situation was the similar interest

which some pupils had in the Boy Scout movement; and a most potent factor in diverting the interest of the great mass of boys was the opening up of a well equipped gymnasium, and the development of a very popular department of physical training, with its attendant track and field sports. It should not be inferred that because there has been no battalion the pupils have necessarily lost all the benefits of battalion work, for as soon as battalion work was suspended, beneficial features of this work were carried over into the course in physical training, including even the developing in individual pupils of the qualities of leadership, through leadership groups. This was done the more easily, and ably, because the Physical Director himself possessed the great advantage of training-camp experience in the war. The Director, moreover, is ready and willing to incorporate in the physical training course any further features of military drill which may be considered desirable for the boys. It is hoped that a physical training field day, corresponding to the battalion field day, may be held near the close of the year. One outstanding advantage in this physical training work, an advantage vital to most pupils at this time, is the saving in cost of uniforms and other expenses which pupils have generally considered necessary in battalion work.

The spirit of unrest has entered the schools, as it has every other sphere of human activity. It has shown itself on the part of the pupils in a less vigorous handling of their studies, and in a relaxed attitude toward all the more serious activities of school life. This spirit of unrest has shown itself to an alarming degree in the number of changes in the teaching corps. During the year, 16 teachers, 4 men and 12 women, and the office clerk have left the force. It is hard to estimate what this excessive overturn means in the way of administrative difficulties, and, worst of all, in the way of all round weakening of the driving-power in the life of the school. The number of changes gives point to this remark recently made by the director of a school of education,—“The teaching profession is becoming a pro-

cession of teachers going from place to place, at any time of the year, for greater or smaller advances in salary." But we do not forget, indeed we should never forget, the teachers who have loyally stood by the school in this day of crisis, refusing to be moved about for the customary considerations. Their salary increases, deserved and appreciated, will ease to a degree their living conditions, but salary increases will not, for money cannot, add anything to their fine sense of duty, and their soldier-like willingness to spend and be spent in this high service.

I cannot close this report without expressing to you and to the members of the School Committee our deep appreciation of generous sympathy and unflinching support in carrying forward the work of this school.

Respectfully submitted,

James D. Howlett, Principal.

Additional facts with respect to attendance and cost of maintenance of this school may be found in Part 3, Table V of Appendix A.

### Summer School Work

Two departments of summer school work were maintained during the past season,—one for manual training activities at the Cradock School building and one for academic work at the Centre School building.

The department for manual activities was in charge of Miss Flora E. Hinman, assisted by Mr. Fred Nichols, Miss Helen Wilson, Miss Anna Rose, and Miss Ada Dolan. The school was in session for five weeks from July 7 to August 8 and the membership was confined to children from four to twelve years of age inclusive. One hundred, forty-eight children were enrolled and the average daily attendance was 87.16. The boys from 9 to 12 years of age had wood work; the girls of corresponding age had sewing; children from 6 to 8 years of age did work with cardboard, crepe



paper, raffia, etc., and all under 6 years had kindergarten activities. Each class was taken on an outing during the term; and, on the afternoon of August 7, there was an exhibition of the pupils' work, which was largely attended by parents and friends of the children.

During the summers from 1910 to 1914 inclusive the school department maintained a summer school for academic work, and many pupils were greatly benefitted thereby. Lack of any appropriation for this purpose compelled the School Committee to discontinue this branch of educational work during the summer of 1915, 1916, 1917, and 1918. An appropriation having been made for the purpose, work in this line was resumed during the past summer and carried on for a period of six weeks. The department was in charge of Mr. Bertrand Hooper, Principal of the Brooks School, assisted by Josephine E. Welsh, Lena E. Patten, Annie E. Durgin, Helen G. Manley, and Addie M. Gould. With the exception of Miss Gould, all of the assistants were from our regular teaching corps.

Pupils from Grades 5B to 8A inclusive who had failed to receive promotion in June and any who desired to work off deficiencies with which they had been advanced were admitted, provided they were recommended by the teachers under whom they had been during the previous half-year. The total enrollment of the school was 117, distributed as follows,—13 in 8A; 6 in 8B; 12 in 7A; 10 in 7B; 25 in 6A; 12 in 6B; 15 in 5A; and 24 in 5B. Thirteen or eleven per cent. of the pupils dropped out before the end of the term,—seven from the non-promoted group and six from the conditioned group. Of the 69 in the non-promoted group who completed the term, 63, or 91.3 per cent., gained the promotion desired in June; and of the 35 in the conditioned group who completed the term, 17, or 48.6 per cent., worked off all conditions received in June.

The ultimate saving to the City in dollars and cents by the work of this school during the past summer, esti-

mated upon the most conservative basis, is two and one-half times the expenditure for its maintenance. It is impossible to compute the amount of educational benefit to the pupils who attended, but it is certainly considerable.

In my judgment the academic summer school should be a permanent feature of our school system.

### A School Nurse

During the latter part of the summer the American Red Cross through its local Medford Chapter offered to furnish the services of a school nurse for the school year of 1919-1920 to assist our medical inspector in safeguarding and promoting the physical well-being of the pupils in our schools. This generous offer was accepted; and, since the opening of the schools in September, Miss Mary Hoisington, a resident of Medford, has been acting in this capacity.

Miss Hoisington is thoroughly trained for her work, has had previous experience in another school system, and is doing valuable work for us.

Soon after Miss Hoisington took up her duties, it became evident that a helper was needed; and, in October, "The Visiting Nurse Association" offered to pay for the services of a nurse to assist with the routine work and in taking children to the clinic.

Miss Hoisington reports regularly to the Superintendent of Schools, and the following extracts from these reports suggests the character and scope of what is being done in this line:

"It is planned to visit the several schools regularly every two weeks and more frequently where needed. The throat, teeth, hair and glands of the children have been examined in all the schools except the High School. All children suspected to be underweight have been weighed and measured. Many children have been found to need dental treatment and arrangements have been made to take

twenty children a week to 'The Forsythe Dental School'. Talks on dental hygiene have been given and toothbrushes sold for six cents, as many children were found not to clean their teeth.

"We are trying to follow up and have corrected all cases of defective vision and hearing where parents do not respond to notices sent home by teachers. When parents wish we take the children to the eye and ear clinic.

"All cases excluded from school for physical unfitness are followed up so as to see that the necessary treatment is attained. This careful following up of excluded pupils assists in preventing the spreading of contagious and infectious disease and in many cases prevents long absence from school."

Speaking in another report about the problem of school lunches in the case of pupils from the Fulton Heights district who have to be sent to the Washington and Franklin schools, Miss Hoisington says: "I have spent many hours dealing with the school lunch problem which has been solved very satisfactorily to all concerned. For two weeks I have spent the noon hour with the children at one of the schools having the largest number (45) who stay for lunch. The pupils are required to wash before and after eating and to eat slowly. Milk is sold them at 5 cts. a jar and at present 19 are buying it. The others are bringing milk and cocoa from home. Hereafter, I plan to give two noons a week to this work and the teachers will attend to it for the other three days."

In another report, she writes: "I have made arrangements to have the Dental Hygienist from the State Department of Health give a talk on Dental Hygiene to about half of the pupils and I shall talk to the others. I have, also, had a conference with Dr. Fernald about conducting mental clinics and he will try to arrange a regular monthly schedule for us."

The following statistics summarize in part the work done by Miss Hoisington and her helper during the first four months of service.

**Summary of Work of School Nurse from September, 1919,  
to January 1, 1920**

Time spent in school.....	407 hrs.
No. of visits to schools.....	229
No. of pupils inspected .....	5620
No. of treatments in schools.....	42
No. of inspections of buildings.....	28
No. of talks to pupils in class.....	33
No. of nursing visits to homes.....	524
No. of children accompanied to dentist.....	83
No. of children accompanied to dispensary.....	173
No. of miscellaneous visits.....	143

The period for which the Red Cross volunteered to supply the schools with a nurse will expire with the close of the present school year in June. The important work that Miss Hoisington is doing should not stop at that time and I recommend that the City Government be asked to provide the necessary funds to enable work in this line to be continued.

**Increased Salaries for Teachers**

In response to a request from the teachers for an upward revision of their salary schedule, the School Committee, after careful deliberation extending over many weeks, voted at a meeting on December 8, 1919: (1) that the maximum salary attainable by teachers in the several grades be fixed as follows,—\$1400 for grades I to VI inclusive; \$1500 for the junior high grades and \$1600 for women assistants in the senior high grades and \$2000 for men assistants; (2) that every teacher in active service at the time be granted an increase to begin January 1, 1920,

in accordance with the following conditions, viz., \$300 for one who had served the City at least three years as a regular appointee, or was then serving in the third year, \$200 for one who was serving in the second year, and \$100 for one serving in the first year; (3) that the regular annual increase, thereafter, in case of teachers below the maximum salary for his or her position be \$100; and (4) that the requirement of the previous schedule with respect to the professional study necessary in order that a teacher may receive the final \$100 to reach the maximum remain in effect.

Approximately \$43,000 extra, beyond what would have been necessary under the former schedule, will be required for teaching in 1920 to carry out the provisions of the foregoing vote.

While this may seem a considerable increase for a single item of the annual appropriation for the schools, it is by no means disproportionate to the increasing costs in practically every field of human activity at the present time and is a necessity if the City is to be protected from the loss of many of its most efficient teachers and if we are able to fill satisfactorily such vacancies as may occur.

While the advance made will help us temporarily in securing and holding in our corps of teachers the type of men and women we desire, it is to be regarded, I take it, as only a step forward to a still higher schedule. This conclusion is suggested not only by the steadily advancing wages in other fields, but also by the following standards set up in the exhaustive report on "Teachers' Salaries and Salary Schedules" submitted recently by a committee of the National Education Association.

**Salary Schedule for Teachers in Cities having 25,000 to  
100,000 Inhabitants,**

Suggested by a Committee of the N. E. A.

Professional Preparation of Teachers	Suggested Schedule for Room Teachers who are not Heads of Departments or Special Supervisors		
	Minimum	Maximum	Annual Increase
Normal School Diploma ..	\$1200	\$1800	\$100
A. B. Degree.....	1400	2400	100
A. M. Degree.....	1600	2600	100
Ph. D. Degree.....	2000	3000	100

It will be observed that the suggested minimums in the above schedule are very close to the maximums of the present schedule for Medford.

In considering what is a proper standard of wage for teachers, one needs to bear in mind (1) that the well-being of our civic institutions demands that every possible means be taken to maintain a thoroughly efficient system of public schools, (2) that first-class teachers are required to maintain such a system, (3) that first-class teachers will be assured in sufficient number only when the public is ready to pay for the work of teaching salaries that compare favorably with those attainable in other lines of work that are open to teachers, and (4) that the majority of teachers of the present day are underpaid relatively to such a degree that, during the past three years, more than 50,000 have been forced to leave the work of teaching to enter other fields of labor in which they can earn a comfortable living

and that, during the same period, the attendance at the training schools for teachers throughout the country has decreased 30 per cent.

In a recent address Major General Leonard Wood referred to the need for higher salaries for teachers in the following words: "We must see to it that the teachers, to whom we turn over the education and, to a large extent, the formation of the character of our youth, are properly paid; that they are given that amount of compensation which will draw to the teaching profession the highest type of talent, for nothing is more unwise than failure to recognize the vital importance of securing the very best type of men and women for this all-important work, work upon which the character of our future citizens largely depends."

It is encouraging to note, in expressions like the foregoing, a growing appreciation on the part of those not directly connected with school administration of the vital need at the present time in order that a high degree of efficiency in public education may be maintained. In the final analysis, the public is responsible for the character of its schools. Therefore, those who are directly charged with the management of public school interests will do well to educate the public, so far as possible, to understand better than it has heretofore apparently (1) that the safety of our democratic institutions depends upon the pervalence of a high average of educated intelligence, (2) that the type of education best for our social well-being is something larger than simply knowledge in the subjects of study offered in the school curriculum, (3) that these larger results of education can be developed only as we have in charge of our boys and girls men and women who are not only of large calibre intellectually but also of the highest type of character, and (4) that a sufficient number of such men and women cannot be induced to enter and remain in teaching unless they are paid a considerably higher wage than at present.

Because I believe thus, I feel that the recent action of the Committee in advancing the salaries of the teachers in Medford must be regarded as one of the most important forward steps of the year in the administration of our schools.

### School Accommodations

As suggested previously in this report, the efficiency of our school work is seriously impaired by the lack of adequate school-room accommodations. At the present time not only is every regular class-room of the permanent buildings in the southern and western sections of the City in use but we have, also, at the Lincoln School, one class in the school hall and four in temporary quarters in portable buildings; at the Lorin L. Dame School, one class in the school hall and one in a small room designed for the sewing classes; and, at the Brooks School, one class in a small room designed as a recitation room for special groups and another in an attic room which was prepared during the past summer. In view of the foregoing conditions and of the steady increase in the school population in both of the above mentioned sections, it is obvious that the need for additional school accommodations is pressing.

Considering the school problem as a whole, the need in the southern section of the City will be met best by the erection of an addition to the present Lincoln School building to be used for junior high school purposes. This plan has been suggested in my annual reports for the two previous years and has received the approval both of the School Committee and of His Honor, the Mayor. Plans are being considered at the present time for such an addition and it is hoped that in the near future an appropriation may be secured to carry out the proposed enlargement at this point.

To provide for the immediate need in the western section of the City, it is possible to finish off the three remain-



ing attic rooms in the Brooks School in readiness for the opening of the next school year in September. The two-room Gleason School building in this section has become inadequate for the number of primary grade pupils in the Gleason district, so that for sometime it has been necessary to send the pupils of grade 2A in that district to the Brooks School. Such an arrangement is unsatisfactory and should be continued no longer than necessary. For the present half-year, lack of room at the Brooks School has compelled the 2A pupils to be held at the Gleason School. As a result, there is a thoroughly undesirable congestion of pupils at that school. I suggest, therefore, that the Committee consider the advisability of adding two rooms to the present Gleason building in the near future.

There is, also, need for additional accommodations in the Fulton Heights area; and it is earnestly to be hoped that the causes for the delay in the work that had been started at this point may be removed at an early date and that the work of erecting the building for which the Committee has asked may be carried forward to a speedy completion.

In this connection, I wish to note briefly the conditions with respect to the James School building on Spring Street. There are eight school-rooms in this building,—four in the newer brick part and four in the older wooden part.

The number of pupils in the area served by this school makes it necessary to place classes in the old part of the building,—all four rooms being used at times. In my judgment, there is a degree of fire hazard in connection with the use of this part of the building during the winter months which demands early action by the Committee looking toward the betterment of conditions at this point.

I am not unmindful of the fact that the carrying out of the foregoing suggestions would require a considerable outlay of money and I am aware that the City's debt at the

present time is burdensome; but the well-being of our youth cannot safely be slighted and, therefore, I feel it my duty to call attention to the above-mentioned needs.

### Conclusion

It would be easy to write more, regarding the work of our schools during the past year, that possibly might be interesting; but enough has been said, I think, to show (1) that reasonably good results are being accomplished, (2) that the cost to the City for the maintenance of its school system is relatively conservative, and (3) that those who are intrusted with the administration of the schools are facing their task with a forward look.

If the above assumption be correct, then this report may well be brought to an end.

Respectfully submitted,

FRED H. NICKERSON,  
Superintendent of Schools.

APPENDIX A

TABLE I.—Number of Pupils in the Different Grades, December, 1919

SCHOOLS	Grade 1b	Grade 1a	Grade 11b	Grade 11a	Grade 111b	Grade 111a	Grade 1Vb	Grade 1Va	Grade 1Vb	Grade 1Va	Grade 1Vb	Grade 1Va	Grade 1Vb	Grade 1V1a	Grade 1V1b	Grade 1V1a	Grade 1V11b	Grade 1V11a	HIGH SCHOOL								Totals			
																			Class 1	Class 1'	Class 11	Class 11'	Class 111	Class 111'	Class 1V	Class 1V'		Post Grad.		
High																				214	118	171	78	134	68	124	65	4	976	
Swan Junior High..														143	77		115	68	49											452
Centre																	59	114												173
Washington						29	51	44	45	44	46	40																		299
Franklin							91	52	66	63	93	47																		412
Everett	45	23	35	20	39																									162
Osgood	22	15	13	7	19	13	13	19	14	15	8	11																		169
James	52	33	53	18	49	33																								238
Curtis	50	26	41	29	43	29																								218
Brooks				18	31	76	30	42	45	41	69	38	70	34	39															533
Gleason	27	26	27																											80
Hervey	48	26	40	19	31																									164
Lorin L. Dame					42	28	44	43	73	44	82	56	69	55																536
Hancock	57	28	34	30	32	23	23	19	35																					281
Craddock	33	28	23	24	16	16	24																							164
Hillside	54	33	41	33																										161
Lincoln					62	59	80	46	97	56	83	64	80	55	68															750
Tufts	92	74	80	45	19																									310
Fulton Street	31	16	27	17	25	11																								127
Total Dec., 1910...	511	328	414	260	408	317	356	205	375	263	381	256	302	221	281	182	263	118	171	78	134	68	124	65	4				6,205	
Total Dec., 1918...	517	284	437	263	403	270	339	281	376	252	370	251	313	194	270	114	235	96	204	88	146	84	137	34	3				5,992	
Total Dec., 1917...	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	
Total Dec., 1916...	408	226	385	215	411	230	388	264	367	215	315	206	297	213	256	210	255	139	204	69	222	73	150		18				5,736	

TABLE II.—NUMBER OF TEACHERS IN THE DIFFERENT DEPARTMENTS OF THE DAY SCHOOLS  
DECEMBER, 1919

	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 .....	14	4	0	0	0	1	0	0	0	0	3	1	23
Female .....	34	34	107	1	1	1	2	1	1	1	0	0	183
Total....	48*	38	107	1	1	2	2	1	1	1	3	1	206

Comparison with a similar tabulation for 1918 shows that eleven teachers were added to the staff in 1919.

\*Does not include four 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, 1919.

PRIMARY							
I		II		III		IV	
B.		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 1	8 3	9 3	9 5	10 0

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 9	11 3	11 7	12 4	12 8	13 3	13 5	14 1

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 7	14 11	15 3	15 10	16 0	16 8	16 11	17 4

TABLE IV.—ATTENDANCE DATA, ETC., FOR THE SCHOOL YEAR ENDING JUNE, 1919.

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 Dismissal
High .....	1098	487	611	1039.7	949.5	91.32	.....	15	17	2602	1613
Swan Junior High.....	359	170	189	337.4	310.4	92.01	1	12	77	1645	161
Centre .....	186	89	97	192.5	177.4	92.26	.....	18	31	394	106
Washington .....	264	134	130	271.1	251.2	92.64	1	3	9	163	213
Franklin .....	378	205	173	375.9	345.2	91.83	5	20	86	240	275
Everett .....	203	107	96	154.9	140.6	90.72	.....	.....	.....	163	53
Osgood .....	206	91	115	158.1	145.6	92.10	1	3	9	155	99
James .....	381	186	195	267.0	245.4	91.90	1	4	8	112	87
Curtis .....	311	176	135	221.4	204.0	92.12	2	7	23	226	65
Brooks .....	646	327	319	544.1	488.8	89.82	8	19	49	539	320
Gleason .....	100	61	39	68.4	60.1	87.97	.....	5	15	81	36
Hervey .....	127	65	62	112.7	98.5	87.42	.....	.....	.....	376	49
Lorin L. Dame.....	592	287	305	559.1	508.5	90.94	20	33	100	619	256
Hancock .....	352	183	169	284.8	256.2	89.95	.....	10	69	223	60
Cradock .....	185	80	105	136.3	123.6	90.69	1	4	23	128	72
Hillside .....	188	97	91	149.4	133.6	89.39	.....	.....	.....	265	62
Lincoln .....	744	391	353	679.7	626.2	92.13	18	58	192	550	368
Tufts .....	458	238	220	335.2	300.0	89.49	.....	17	156	320	60
Fulton Street .....	122	73	49	106.9	94.1	88.02	7	3	3	342	45
<b>Totals.....</b>	<b>9000</b>	<b>3447</b>	<b>3453</b>	<b>5994.6</b>	<b>5458.9</b>	<b>91.06</b>	<b>65</b>	<b>231</b>	<b>921</b>	<b>9152</b>	<b>4033</b>

**Table V.**

**ANNUAL FINANCIAL EXHIBIT FOR 1919**

**1. General Statement**

**Receipts**

Original appropriation.....		\$265,308 00	
Supplementary appropriations:			
Fuel .....	\$ 5,489 56		
Repairs .....	12,655 50		
Medical Inspection .....	300 00		
			<hr/>
			\$18,445 06
From the following sources:			
Tuition from non-residents....	\$ 50 00		
Tuition from State wards....	1,530 75		
Tuition for City of Boston			
wards .....	69 00		
Miscellaneous Credits .....	21 50		
Damage, Evening School unre-			
funded deposits, etc.....	330 23	2,001 48	
			<hr/>
Total .....		\$285,754 54	

**Expenditures**

Teachers, Superintendent and			
Clerks .....	\$210,810 46		
Janitors, Engineer and Truant			
Officer .....	19,159 54		
Secretary of School Committee	300 00		
Medical Inspector .....	500 00		
			<hr/>
		\$230,770 00	

Books and Supplies.....		\$13,825 00
Fuel .....		15,669 15
Repairs .....		16,505 24
General Expenses (Miscellaneous items not classified under the above headings)		6,577 33
<hr/>		
Total expenditures for support of regular day schools.....		\$283,346 72
Evening School .....		1,505 29
Summer School:		
Academic Department ...	\$527 53	
Manual Department .....	375 00	
		<hr/>
		902 53
<hr/>		
Total for Support of All Schools .....		\$285,754 54

## 2. Average Expenditure Per Pupil

### a. Regular Day Schools

(Based on the average membership of the schools for fiscal year, 6088.7).

For teaching (including High School Clerk) ..	\$33 76
For Supervision (Superintendent and Clerks) ..	86
For Janitors, Engineer and Truant Officer....	3 15
For Secretary of School Committee.....	05
For Books .....	86
For Supplies .....	1 49
For Fuel .....	2 57
For Repairs .....	2 82
For Medical Inspection .....	08
For General expenses (Miscellaneous items not classified under the above heading).....	89
<hr/>	
Total cost per pupil for day school purposes	\$46 53



**b. Evening School**

Based on the average membership for the 16 weeks of the fiscal year that the school was maintained, 163.7).

For Teaching .....	\$8 26
For Janitors .....	60
For Books and Supplies .....	27
For Printing .....	05
	<hr/>
Total .....	\$9 18

**c. Summer School**

**Academic Department**

(Based on the average membership of the school, 107.5).

For teaching .....	\$4 47
For Janitor Service .....	28
For Supplies .....	16
	<hr/>
Total .....	\$4 91

**Manual Department**

(Based on the average membership of the school, 104.5).

For Teaching .....	\$3 35
For Janitor Service .....	24
	<hr/>
Total .....	\$3 59

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

Salaries (teachers, janitors, engineer, clerk) ..	\$67,346 48
Books .....	1,635 47
Supplies .....	2,975 21
Fuel .....	3,097 93
Sundries .....	1,116 59
Repairs .....	2,660 66
	<hr/>
Total .....	\$78,832 34

**b. Average Expenditure Per Pupil**

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

Salaries (teachers, janitor, engineer, clerk) ..	\$65 77
Books .....	1 60
Supplies .....	2 90
Fuel .....	3 02
Sundries .....	1 09
Repairs .....	2 60
	<hr/>
Total .....	\$76 98

**APPENDIX B**

1

February seven, Nineteen hundred nineteen

**MEDFORD HIGH SCHOOL GRADUATION**

At eight o'clock in the evening.

---

**ORDER OF EXERCISES**

Entrance of Class

Address of Welcome by the President of the Class

**Albert P. Hayes**

Selection from "Jack o'Lantern".....Caryll

**School Orchestra**

Essay, "King Albert of Belgium"

**Helen E. Rowan**

"Venetian Summer Night".....Moszkowski

**School Chorus**

"La Nuit et L'Amour".....Holmes

**School Orchestra**

Valedictory Essay, "Our Debt"

**Stanley B. Black**

"Valentine's Farewell" from Faust.....Gounod

"Prayer of Thanksgiving".....Netherlands Folksong

**School Chorus**

**PRESENTATION OF DIPLOMAS**

**By Hon. Benjamin F. Haines**

"America"

**GRADUATING CLASS**

---

Hilda Mae Baker  
Charlotte Mastin Beers  
Stanley Bigelow Black  
Helen Bornstein  
Hortense Marie Breynaert  
Henry Newell Center  
Thomas Casey Condon  
Anthony James Consolmagno  
Joseph Timothy Donovan  
Bessie Ethel Esner  
Laura Binney Gumb  
Albert Parker Hayes  
Dorothy Morton Howland  
Margaret Mary Mahoney

Helen Gould Manning  
Grace Miriam Mara  
Andrew Miga, Jr.  
Harold Taylor Mullett  
Helen Leonard O'Callaghan  
Doris Ruth Harding Payne  
Helen Elizabeth Rowan  
Frances Rosamond Schlagenhauf  
Bertha Eleanor Sears  
Frank Aloysius Siekman  
Emma Louise Sinclair  
Mary Dorothy Sullivan  
Edna May Sweetser  
Ralph Hosea Wilkins

**HONORABLE MENTION**

---

Asterisks Indicate Advanced Work

Hilda Mae Baker.....Drawing  
 Charlotte Mastin Beers.....\*English, \*Latin, French  
 Stanley Bigelow Black.....\*English, Latin, \*Mathematics, French  
 Hortense Marie Breynaert.....\*Commercial Subjects  
 Doris Ruth Harding Payne.....\*English  
 Helen Elizabeth Rowan.....\*English, \*History, \*Commercial Subjects

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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.

June twenty-five, Nineteen hundred nineteen

**MEDFORD HIGH SCHOOL GRADUATION**

At eight o'clock in the evening.

---

**ORDER OF EXERCISES**

Entrance of Class

Address of Welcome by the President of the Class

Chester W. Sanford

"Air de Ballet".....Herbert

School Orchestra

Essay, "The Power of the Written Word in Diffusing Nations' Ideals"

Maxine L. Olsen

Selection from "Katinka".....Friml

School Orchestra

Valedictory Essay, "The Menace of Bolshevism"

Robert C. Francis

"Shout Aloud in Triumph".....Manney

School Chorus and Orchestra

**PRESENTATION OF DIPLOMAS**

By Hon. Benjamin F. Haines

"America"

## GRADUATING CLASS

Pearl Louise Alvino  
 Dorothy Hazel Anslow  
 George Warren Beals  
 Norman Frederick Begien  
 Anne Scott Bolcyn  
 Arthur Roscoe Bowden  
 Margaret Martin Brawley  
 Robert Holt Brown  
 Ruth Genevieve Brown  
 Theresa Julia Burke  
 Clara Frances Burrows  
 Joseph Leo Center  
 Virginia Clafin  
 Richard Foster Clark  
 Anne Elizabeth Clifford  
 Helen Evelyn Collins  
 Mary Margaret Cronin  
 John Edward Cunningham, Jr.  
 Theresa Claire Curtin  
 Edith Elizabeth Dahlin  
 Albert William Derbyshire  
 Florence Marie Donahue  
 Donald Holt Dowe  
 Katherine Marie Draper  
 Ruht Drowne  
 Irene Emerson  
 Edgar Barton Emery  
 Catherine Edith Ferrin  
 Edward Francis Finnin  
 Margaret Mary Flanagan  
 Robert Churchill Francis  
 James Murray Gavel  
 Helen Margaret Gilligan  
 John Thomas Gillis  
 Consuelo Robertson Goodwin  
 Clayton Clark Gordon  
 Ellis Howard Gorton  
 William Grant  
 Dorothy Gray  
 Dorothy Griffin  
 Mildred Keyes Guptill  
 Frederick Arthur Hackett  
 Rose Charlotte Hagberg  
 Teresa Frances Haggerty  
 Catherine Elizabeth Harkins  
 Frank Webster Harlow  
 Ivan Holmes Harlow  
 Herbert Stanley Hart

William David Healey  
 Adelaide Homer  
 Norman Hovey  
 Katherine Helen Hughes  
 Otis Goodwin Jackson  
 Ruth Violet Jameson  
 Roland Edmond Johnson  
 Alice Florence Kelly  
 Kathleen Havilah Kent  
 Walter Joseph Kerrigan  
 Marion Mary Kiley  
 Alice Louise Lamb  
 Grace Rose LaPointe  
 Abbie Mary Leahy  
 John Louis Leverone  
 Kenneth Gardner Lewis  
 Arline Elizabeth Lambert  
 James Leo McCabe  
 Charlotte Eleanor MacConnell  
 Joseph Payson MacDonald  
 Rose Elizabeth MacInnes  
 Doris Bayly MacKay  
 Richard Magoun  
 Catherine Mildred Mahoney  
 Gertrude Alice Mahoney  
 Gordon Rich Mangels  
 John Joseph Manley  
 Marjorie Bennett Mather  
 Lillian Frances Meade  
 Dorothy Eveline Miles  
 Marion Evelyn Miller  
 Evelyn Grace Mitchell  
 Brenda Moore  
 Elizabeth Moore  
 Catherine Mary Morrissey  
 Leonard Gerard Morrissey  
 Wallace Joseph Nichols  
 Mary Agnes Niland  
 George Henry Norton  
 Ellen Theresa O'Brien  
 Agnes Jennie O'Leary  
 Maxine Louise Olsen  
 Mary Lenox O'Neil  
 Marion Louise Pace  
 Mildred Gray Palmer  
 Kathleen Olive Parnell  
 Edna Isabel Pearce  
 Stanislaus Pearce, Jr.

Agnes Florence Peltz	Donald Nelson Sleeper
John Kimball Phelan	Eunice Pickett Smith
Clifford Firth Pinkham	Ester Snow
James William Prior	Dorothy Merrill Storey
Francis Bartholomew Quinn	Floise Sturdivant
Julia Agnes Reagan	William John Sweeney
Mary Jane Reid	Helene Mabel Swenson
Clara Louise Riley	Mabel Charlotte Swenson
Mary Rossell	Roderick Sprint Thomson
Gladys Gertrude Russell	Josephine Alicia Vaughn
Chester Wesley Sanford	Helen Mae Walker
Thelma Francella Sewall	Florence Odessa Wallace
Madeline Veronica Sheehan	Beatrice May Wheeler
Edna Mae Sherman	Gladys Catherine White
Sylvia Jessie Sheriff	Mildred Gertrude White
Alfred Otis Shurrocks	Roger Melvin Wilkinson
	Doris Elizabeth Wyman



## HONORABLE MENTION

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Asterisks Indicate Advanced Work

Pearl Louise Alvino.....	French
Anne Scott Boleyn.....	*Domestic Arts
Arthur Roscoe Bowden.....	*English, *Latin, German, *Mathematics
Ruth Drowne.....	Science
Robert Churchill Francis.....	*English, *Latin, German, *Mathematics
Clayton Clark Gordon.....	History
Frederick Arthur Hackett.....	Drawing
Rose Charlotte Hagberg.....	*Bookkeeping
Teresa Frances Haggerty.....	French
Catherine Elizabeth Harkins.....	*Stenography and Typewriting
Adelaide Homer.....	*Latin, German, *Mathematics
Grace Rose LaPointe.....	*English
Evelyn Grace Mitchell.....	*Bookkeeping and Business Law
Wallace Joseph Nichols.....	*Bookkeeping and Business Law
Maxine Louise Olsen.....	*English
Mary Lenox O'Neil.....	*English, *Bookkeeping and Business Law, *Stenography and Typewriting
Agnes Florence Peltz.....	*Latin, French
Francis Bartholomew Quinn.....	*English
Mary Rossell.....	*Latin, German
Helene Mabel Swenson.....	*English
Helen Mae Walker.....	*Bookkeeping and Business Law
Roger Melvin Wilkinson.....	*English, *Latin, *Mathematics, German

## APPENDIX C

## 1. Pupils Promoted to Grade 9B, February, 1919

## Swan Junior High School

Girls	Boys
*Mildred H. Brooks	Charles F. Boulter
Grace V. Cronin	Merrill A. Brown
Dorothea G. Drake	*Peter J. DeCoster
Marion W. Dyer	Francis J. Deviney
Caroline Gullage	Robert D. Gaffney
Iylah M. Hackett	John A. Garrity
Lillian E. Hardy	Edward F. Hormel
Ida S. Kramer	Ralph F. Menard
M. Leonore Martin	Salvatore P. Muollo
Irene L. Pierce	John T. Watson
Alma C. Ryan	Francis R. Welch
*Romona Scoville	Kenneth M. Whelpley
Bertha M. Smalley	Arthur J. Williams
Marion B. Spear	Raymond C. Wyman
Marion G. Stedman	
Ruth V. White	

\*Did not enter Grade 9B.

## Centre School

Girls	Boys
Edith A. Beaumont	J. Willard Anslow
Helen R. Beers	William H. Barry
K. Doris Bentley	J. Napoleon Blaine
Helen Braxton	Donald W. Blood
Rose G. Brouillette	Elmer P. Carson
Marjorie M. Brown	*Pasquale Catino
Mary N. Ciccolo	George H. Chretien
Edna C. Coluci	Charles J. Clark
Christina Diggs	James F. Coffey
Nancy P. Dunning	.Daniel P. Cronin
Isabell E. Eddy	E. Wilson Crowell
Gladys E. Edgerly	Raymond A. Cutlip
Doris L. Grant	John H. DeCaro
Helen L. Greene	Charles W. Dick
Elizabeth A. Griffith	William L. Dole
Lillian C. Hale	Charles J. Douglas

## CENTRE SCHOOL—Continued

Girls	Boys
Lydia G. Haworth	Walter B. Ellard
Evelyn F. Hazlett	Edmund P. Ferullo
Marie E. Healey	Edward M. Finneran
Mary J. Hickman	Charles Fisher
Sarah T. Higgins	Francis J. Foley
Josephine P. Hogan	Henry M. Gahan
Evelyn C. Janes	Donald F. Glendenning
Mahala E. Johnson	William G. Grady
Abigail R. Keeley	Henry J. Graham
Elma L. Knoek	Sydney Gretscher
Edith M. Lent	Charles E. Hall
Alma Leverone	Edward A. Hartman
Alice L. Mahoney	Hurant Hovesepian
Anna G. Maloney	Joseph N. Kelly
Grace H. Miller	*Clifford K. Landers
Katherine M. Moriarty	James F. Magennis
Anna M. McLean	Herbert P. Mennella
Ethel Nickerson	Alfred C. Meyer
Florence P. Oldfield	Romeo Mosca
M. Esther Olmstead	Charles McGinn
A. Eleanor Perham	Albert S. McGunigle
Alice W. Reid	John A. Pasquale
M. Ernestine Rezendes	Henry C. Plummer
Helen C. Sage	Willard N. Price
Florence E. I. Schmitz	Lester W. Remick
Gertrude A. Siekman	Theodore F. Reynolds
E. Pauline Smith	Hildreth S. Skinner
Vera M. Swenson	Marchant H. Stewart, Jr.
Evelyn B. Trahey	Richard A. Stewart
H. Jean S. Valentine	Owlen C. Towle
*Emilia B. Zoller	Myron E. Valentine
	Francis C. Vernon
	Fred L. Whittemore, Jr.
	Norman L. Woodman

\*Did not enter Grade 9B.

Entered Grade 9B, February, 1919, 95 per cent.

## 2. Pupils Promoted to the Grade 9B, June, 1919

### Swan Junior High School

Girls	Boys
Anna J. G. Anderson	J. Percival Abbott
Ruth F. Babcock	Frederick A. Anderws
Elvira Bacchini	*Robert W. Andrews
Elva C. Barrey	Walter H. Andrews
Beatrice I. Blackley	J. Webster Bartlett
Margaret I. Blair	Carlton A. Batchelder

## SWAN JUNIOR HIGH SCHOOL—Continued

Girls	Boys
Hazel M. Borns	John N. Bloodsworth
Muriel K. Botting	James F. Brissenden
Dorothy L. Bryan	*George B. Budreau
J. Dorothy Carroll	A. Everett Carlson
Katherine G. Carroll	Guild Crooker
Victoria A. Carter	Ward E. Crooker
Eleanor A. Cave	Leonard F. Dolan
Rose Consolmagno	Henry Donath
Mary E. Conway	*Joseph Ead
Mary E. Conway	Edward Farr
Mildred H. Cronin	Joseph A. Gironi
Charlotte E. Fels	Humphrey B. Howe
Mary C. Glennon	James P. Jorgensen
E. Dorothy Henderson	Hugh L. C. Millar
Alice E. Hoffer	F. Wesley Miller
Mary E. Hurley	†Joseph M. Murphy
Jennie Jung	Robert I. MacDonald
Meredith E. Keller	George R. McQuillan
Florence N. Knox	*John O'Neil
Helen M. Lacey	Vernon Phillips
Lolitta M. Lewis	W. Earle Purinton
Concetta D. Lowney	*Vincent J. Quirk
Doris B. Mara	William P. Rice
Rose E. Morse	Charles C. Terris
Catherine M. MacConnell	Arsene VanSchelt
Doris S. McConnell	Edward D. Waldron
Catherine E. McKinney	H. Spencer Wear
Helen C. Osgood	
Mabel G. Pendergrace	
Ruth W. Richardson	
*Marion F. Rowe	
Eileen M. Slattery	
Anna L. Stanton	
Agnes E. Sullivan	
*Madeline E. Swanson	
M. Ruth Taylor	
Concetta Vuozzo	
Alice Walch	
Mary M. Watson	
†Eleanor M. Webber	
Edith M. Wetmore	

\*Did not enter Grade 9B.

†Promotion gained in Summer School.

## 2. Pupils Promoted to the Grade 9B, June, 1919

## Centre School

## Girls

Mabel L. Anctil	Henrietta Jayes
Grace M. Anderson	Loretta Jordan
Helen M. Ardito	Marion S. Kennedy
Winifred J. Banks	Margaret M. Kilroy
Ruth G. Bean	Frances H. Kimball
Gertrude W. Beebee	Frances Knapp
Margaret L. Belliveau	Anna Leavitt
Evelyn A. Berry	Viola A. Mahoney
Mary A. Blackburn	Margaret T. Maitland
Vera J. Brown	Mary Meagher
Minerva H. Caldwell	Helen A. Millard
Helen P. Canty	Dorothy A. Mitchell
Margaret L. Carleton	†Leah Mitchell
Edith M. Cavanaugh	Evelyn Moore
A. Estelle Child	Helen J. Morton
Mildred E. Cullington	Margaret E. Murray
Georgianna C. Curtin	Ruth W. MacBrine
Doris M. Dinneen	Marguerite M. McCaffrey
*Annie L. Donaghue	Marion L. McIntosh
†Pauline R. Doran	Julia K. MacNeill
Esther C. Draper	Helen F. O'Donnell
M. Thelma England	Florence E. Pretti
Gita M. Fernandez	Grace E. Robbins
Dorothy G. Forsythe	Mildred A. Roberts
†Mildred W. Franklin	Isabelle Rood
Helen A. Gage	*Ida M. Sanborn
*Lillian H. Gardner	Evelyn F. Shaw
Dorothy A. Giannini	*Eleanor M. Spencer
Betsey H. Goodrich	Dorothy E. Stoker
Alice H. Goodwin	Ruth P. Strout
Viola M. Goodwin	Clara P. Stryker
Vivian I. Gordon	Mae G. Surles
M. Bernice Griffin	Emilie E. Thomas
Agnes A. Grimley	H. Arlene Thorp
*Cathernie L. Hamilton	Mary J. Trahan
Margaret C. Hanson	Susan J. Trahan
Pauline I. Hanson	Jeanette H. VanBuren
*Villa A. Hanson	Agnes E. Vye
Grace Hayes	Irene G. Waterbury
M. Elizabeth Herculson	Ruth P. Wellman
Helen W. Hooper	*Barbara Whitehead
M. Isobel Hughes	Edith E. Woods

\*Did not enter Grade 9B.

†Promotion gained in Summer School.

Entered Grade 9B, September, 1919, 91 per cent.

## Centre School

## Boys

A. Roy Anderson	Joseph W. Lentino
Alfred A. Betts	*Ernest F. Leo
Donald A. Brown	Richard Lowry
William E. Burdell	Alfred Luppi
E. Gardner Chapin	Arthur P. Metcalf
William F. Chase, Jr.	John Morrow
†C. Leonard Cochran	Franklin E. Morse
W. Edward Cookson	William E. Mydans
Walter P. Cotting	J. Justin McCarthy
Douglas A. Croy	*W. Edward McDonald
Joseph Dinubilo	Charles O. Nichols
Edward D. Dodge	†James H. Nolan
Joseph J. Doyle	†Joseph A. Pettee
*Ellis B. Draper	George P. Phalen
Thomas J. Dumas	G. Stewart Phillips
Joseph B. Elliott	Merrill Preston
Harland S. Evans	*R. Leslie Pretty
Charles J. Fay	G. Barnum Redding
Laurence M. Fessenden	Walter P. Rierdan
*John J. Finnin	J. Alfred Rollins
*William N. Freeman	Robert B. Rousay
†Theodore P. Gahan	Philip F. Rulison
*Robert E. Gauley	†John M. Sands
George A. Gertz	Donald C. Savage
*Edwin L. Graves	W. Chester Schultz
James G. Hanning	George B. Sennott
Stuart F. Harris	W. Osmon Spofford
Warren T. Henderson	Edwin J. Starr
Chester M. Hutt	Wilbur A. Swanson
Edward N. James	†Raymond F. Thompson
Fred E. Johnson, Jr.	Robert F. Ward
Harry O. Knights	†Joseph C. White
Walter E. Lawrence	Edwin L. Whitten, Jr.
William F. Leary	Clyde D. Wilkins

\*Did not enter Grade 9B.

†Promotion gained in Summer School.

## APPENDIX D

## ORGANIZATION OF SCHOOL STAFF

December 31, 1919

(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,	1894
Vaughn S. Blanchard, A. B.,	Physical Training,	Bates,	1919
Percy S. Brayton, A. B.,	Dept. of Physical Science and Mathematics,	Harvard, Mass. Institute of Technology,	1903
Leslie R. Carey, A. B.,	History, Civics,	Bates,	1919
Roland L. Eaton, A. B.,	English, German,	Tufts,	1919
Arthur W. Johnson	Bookkeeping, Arithmetic,	Bay Path Institute, Boston Univer- sity	1917
Ralph L. Kendall, A. B.,	Mathematics,	Bates,	1908
James E. Mansfield, A. B.,	Mathematics,	Holy Cross,	1913
Herbert N. Nicholas, A. B.,	History, Civics,	Brown,	1919
Friedolf H. Peterson	French, Spanish,	Boston University,	1919
Raymond S. Tobey, A. B.,	General Science,	Harvard,	1914
Philip I. Towle,	Dept. of Com. Subjects,	Bowdoin, Simmons, Boston University,	1917
Katherine L. Baker,	Science, Sewing,	Framingham Normal,	1919
Mildred S. Bassett, A. B.,	English,	Bates,	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
Madeleine C. Brydon, A. B.,	French, History,	Smith,	1916
Emily P. Burdon, A. B.,	French,	Boston University,	1918
Lillian R. Edmands, A. M.,	Biology, Geog- raphy, Latin,	Mt. Holyoke, Tufts,	1912

M. Gertrude Fairbanks,	Stenography, Typewriting,	Burdett's Business College.	1918
Adrienne Fitts, S. B.,	Chemistry, Physics,	Radcliffe,	1919
Mabel A. Gannett,	English,	Brown, Boston University,	1914
Grace F. Garvin,	English,	Potsdam Normal,	1909
E. Grace Herculson,	Stenography, Typewriting,	Burdett,	1919
Lubelle H. Hodgman, A. B.,	Latin,	Colby, Farmington Normal, Me.,	1916
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
Josephine A. Lane, A. B.,	English,	Smith, Harvard,	1918
Gertrude A. Maycock,	Stenography, Typewriting,	Salem Commercial College,	1918
Martha S. Moffatt, A. B.,	History,	Boston University,	1915
Laura P. Patten,	Dept. of Chemis- try and House- hold Science,	Salem Normal, Boston University,	1897
Jennie M. Pedersen,	Bookkeeping, Arithmetic,	Salem Normal,	1916
Dora S. Perkins, A. B.,	English,	Boston University, Mt. Holyoke,	1916
Lillian L. Pickard,	Stenography, Typewriting,	Burdett College,	1919
Christine D. Ross,	French,	Steybeerisschen Inst., Leipsiz; La Sorbonne, Paris,	1915
Hila Helen Small, A. M.,	Dept. of English,	Boston University,	1915
Marcia H. Smith, A. B.,	Latin, German,	Wellesley,	1909
Vera Smith, S. B.,	Cooking,	Simmons College,	1919
Dawn N. Wallace,	English,	Emerson College of Oratory,	1918
Elva M. Walton, A. B.,	English,	Willamette Univer- sity, Oregon,	1919
Mary P. Webb,	Stenography, Typewriting,	Salem Commercial College,	1919
Josephine Wentworth, A. B.,	Bookkeeping,	Boston University,	1919
Miriam R. Woolley,	Millinery, Sewing,	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
Lucille M. Dunton,	9B.,	Somerville High,	1906
Cecelia A. McCarthy,	9B.,	Salem Normal, Bryant & Stratton Commercial School,	1910
Doris M. Gow, A. B.,	9B.,	Boston University,	1919
Alice D. Ayres,	8A.,	Norwich Academy,	1908
Helen L. Hanson,	8A.,	Kingfisher College,	1917
Alma A. Thomas,	8B.,	Tufts College,	1910
Mary A. Rowan, A. B.,	8B.,	Boston University,	1919
Ruth E. Norris, A. B.,	8B.,	Boston University,	1919
Marion Pierce,	7A.,	Concord Training School,	1910
Bertha R. Davis,	7A.,	Fitchburg Normal,	1910
Anne E. Magennis,	7B.,	Salem Normal,	1919
Carrie F. Jackson,	7B.,	Plymouth, N. H., Normal,	1919
Ada C. Langley, A. B.,	7B.,	N. H. State College,	1919
Mabel L. Veasey,	7B.,	Columbia University,	1919
Medora E. Adams,	Assistant,	Mt. Union College, Ohio,	1919

CENTRE SCHOOL

Lida M. Mann, Acting Prin.,	8A.,	Gorham Normal, Me.,	1917
Frances M. Eastman, A. B.,	8A.,	Smith College,	1902
Marian Peabody,	8A.,	Gorham Normal, Me.,	1919
Elizabeth R. Carty,	8B.,	Girls' High, Boston,	1891
Josephine E. Welsh,	8B.,	Salem Normal,	1917
Kittie F. Luthy,	Assistant,	Mt. Union College, Ohio,	1919

WASHINGTON SCHOOL

Alice D. Bowen,	Principal,	Salem Normal, Radcliffe College,	1915
Annie E. Durgin,	6A.,	Salem Normal,	1877
Ethel E. Asker,	6B.,	Frederickton Normal, N. B.,	1909
Gertrude P. Daly,	5A.,	Salem Normal,	1901
Charlotte A. Post,	5B.,	Worcester Normal,	1919
Madeline E. Connor,	4A.,	Salem Normal,	1914
Helen G. Manley,	4B.,	Salem Normal,	1916
Hazel McFawn,	4B., 3A.,	Framingham Normal,	1918

## FRANKLIN SCHOOL

Alice D. Bowen,	Principal, Salem Normal, Radcliffe College,	1915
Mary Waitt,	6A., Coffin School, Nantucket,	1903
Gertrude Dwyer,	6A., Mt. St. Vincent College,	1916
Winnifred K. Partridge,	6B., Bridgewater Normal,	1916
Louise B. Jenkins,	5A., Bridgewater Normal,	1917
Laura C. Cunningham,	5A., Salem Normal,	1919
Anna M. Roberts,	5B., Hyannis Normal,	1901
Isabelle M. Ellis,	5B., 4A., Bridgewater Normal,	1919
Marie L. Leach,	4A., Framingham Normal,	1917
Annie L. DeAvellar,	4B., Salem Normal,	1915
H. Lucille White,	4B., Providence, R. I., Normal,	1919

## EVERETT SCHOOL

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

## OSGOOD SCHOOL

Edna H. Pickard, A. B., Prin.,	6A., 6B., Bates College,	1910
Mary L. Baxter,	5A., 5B., Salem Normal, Simmons College,	1918
Esther E. Palmer,	4A., 4B., Plymouth, N. H., Normal,	1919
Bertha C. Brown,	3A., 3B., New Britain Normal,	1896
Josephine W. Leighton,	2A., 2B., Portland Training School,	1915
Miriam P. Clark,	1A., 1B., Lowell Normal,	1910

## JAMES SCHOOL

Katherine M. Clark,	3A., North Adams Normal,	1908
Nellie M. Baker, Principal,	3B., Farmington Normal,	1897
Ruth S. Wardwell,	2A., 2B., Miss Wheelock's Kg. Tr. School,	1915
Marian Poole,	2B., Bridgewater Normal,	1910
Harriett M. Angell,	1A., Miss Wheelock's Kg. Tr. School,	1919
Anna S. Tucker,	1B., Miss Symonds' Kg. Tr. School,	1914

CURTIS SCHOOL

Emma J. Bresnahan,	3A.,	Salem Normal,	1907
Amy W. Bradbury,	3B.,	Salem Normal,	1909
Jennie S. Archibald, Principal,	2A.,	Medford High School,	1890
Melissa J. Hargraves,	2B.,	Miss Perry's Kg. Tr. School,	1917
Agnes G. Sweeney,	1A., 1B.,	Salem Normal,	1903
Josephine A. Martin,	1B.,	Oread Institute,	1905

BROOKS SCHOOL

Bertrand Hooper,	Principal	Boston University, Burdett Business College,	1918
Gertrude S. Light, Principal's Assistant,	8B.,	Girls' High, Boston,	1884
Lena E. Patten,	7A.	N. H. State Normal,	1910
Bertha E. Forster,	7B.,	Fitchburg Normal,	1903
Harriett B. Garritt,	7B.,	Framingham Normal,	1911
Alice F. Wilbur,	6A.,	Bridgewater Normal,	1889
Maud W. Bacon,	6B.,	Eastern State Normal,	1915
Annie S. Melrose,	6B.,	Keene, N. H. Normal,	1919
Ethel M. Crook,	5A.,	Eastern State Normal,	1916
Annie P. Danforth,	5B.,	Salem Normal,	1903
Grace M. Phillips,	4A.,	Keene, N. H. Normal,	1919
Annie W. Hubbard,	4B.,	Bradford Academy,	1897
Mabel E. Sweet,	4B.,	Eastern State Normal,	1918
Jeannette M. Falconer,	3A.,	Perry Kg. Tr. School,	1918
H. Lillian Robinson,	3B., 2A.,	Lowell Normal,	1919

GLEASON SCHOOL

Catharina W. Billings, Prin.,	2B., 1A.,	Quincy High,	1892
Alice L. Bryan,	1B.,	Miss Symond's Kg. Tr. School,	1895

HERVEY SCHOOL

Ella L. Alden, Principal,	3B.,	Medford High.	1883
Alice R. Sprague,	2A.,	Miss Wheelock's Kg. Tr. School,	1902
Kathleen V. O'Hara,	2B., 1A.,	Boston Normal,	1911
Nathalie F. Moulton,	1B.,	Gorham Normal, Me.,	1919

## LORIN L. DAME SCHOOL

Galen W. Flanders,	Principal,	Bridgewater Normal,	
		Harvard,	1910
Mary E. Frye,	7A.,	Farmington Normal, Me.,	1912
Principal's Assistant,			
Gertrude B. Thyng,	7A.,	Farmington Normal, Me.,	1912
Ila D. Berry,	7B.,	Bridgewater Normal,	1918
Vandelia Dexter,	7B.,	Salem Normal,	1909
Annie M. Henderson,	6A.,	Coburn Institute,	1914
Marie Neis,	6A., 6B.,	Bridgewater Normal,	1919
Minnie E. Provo,	6B.,	Hyannis Normal,	1914
A. Gertrude Sharkey,	6B., 5A.,	Salem Normal,	1914
Ruth A. Brown,	5A., 5B.,	Hyannis Normal,	1917
Margaret E. Troxell,	5B.,	Shippensburg Normal,	
		Pa.,	1917
Josie L. Blakely,	4A.,	Salem Normal,	1904
Emma A. Davis,	4B.,	Medford High,	1886
Della E. Joslin,	3A.,	Bridgewater Normal,	1902
Genevieve F. Kane,	3B.,	Gorham Normal, Me.,	1916

## HANCOCK SCHOOL

Ida B. Jacques, Principal,	5B.,	Aroostook State Normal,	1916
Mildred A. Whitman,	4A., 4B.,	Boston University,	1919
Winifred M. Crockwell,	3A., 3B.,	Salem Normal,	1908
Geneva M. Young,	3B.,	Eastern State Normal,	1918
Marjorie F. Green,	2A.,	Miss Wheelock's Kg. Tr.	
		School,	1917
Lena R. Volpe,	2B.,	Miss Wheelock's Kg. Tr.	
		School,	1914
Laura A. Hillman,	1A.,	Miss Fisher's Kg. Tr.	
		School,	1917
Annie M. Jenness,	1B.,	Froebel Kg. Tr. School,	1912
Kittie F. Luthy,	Assistant,	Mt. Union College, Ohio,	1919

## CRADOCK SCHOOL

Alice G. Phemister,	4B., 3A.,	Miss Perry's Kg. Tr.	
		School,	1905
Adelaide S. Herriott, Principal,	3B., 2A.,	Hyannis Normal,	1878
Elizabeth Van H. Frame,	2B., 1A.,	Castine Normal, Me.,	1915
Ora I. Chick,	1B.,	Indiana State Normal,	1919

## HILLSIDE SCHOOL

Cora M. Gordon,	2A.,	Bangor Tr. School,	1907
Mabel T. Kalloch, Principal,	2B.,	Farmington Normal, Me.,	1909
Gertrude F. Hancock,	1A.,	Miss Perry's Kg. Tr. School,	1919
Rachael Kennedy,	1B.,	Northfield Seminary,	1919

## LINCOLN SCHOOL

George W. Parsons, A. M.,	Principal,	Bowdoin College,	1890
Rhoda C. Slate,	8B.,	Westfield Normal,	1901
Principal's Assistant,			
Nellie B. Mansfield, A. B.,	8B.,	Tufts College,	1918
Annie E. Barbeau,	7A.,	Denver City Normal,	1901
Adella L. Adams,	7A.,	Hitchcock Academy,	1916
Lenora Coombs,	7B.,	Castine Normal,	1919
Maria F. May,	7B.,	Smith College, Hyannis Normal,	1919
Mary E. Gorman,	6A.,	Salem Normal,	1907
E. Alice Payn-Sills,	6A., 6B.,	Provincial Normal, N. B.,	1892
Mabel Seward,	6B.,	Farmington Normal, Me.,	1912
Anna D. Rose,	6B., 5A.,	Salem Normal,	1915
Retta R. Barrett,	5A.,	Westfield Normal,	1905
Martha S. Wheeler,	5B.,	Salem Normal,	1914
Alice H. Moore,	5B.,	Bridgewater Normal,	1904
Grace Titcomb,	4A.,	Salem Normal,	1911
Helen Gray,	4B.,	Miss Wheelock's Kg. Tr. School,	1918
Abbie C. Moxley,	4B.,	Castleton Normal,	1917
Edith G. Wheaton,	3A.,	Salem Normal,	1915
Emma Ketchen,	3A., 3B.,	Lowell Normal,	1919
Amey C. Dyar,	3B.,	Miss Wheelock's Kg. Tr. School,	1919

## TUFTS SCHOOL

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

**FULTON HEIGHTS SCHOOL**

Mary Coffey, Prin.,	3A., 3B., Salem Normal,	1915
Clara Crowe,	2A., 2B., Salem Normal,	1918
Marie Rau,	1A., 1B., Bridgewater Normal,	1919

**SPECIAL TEACHERS**

Elizabeth T. Newell, 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.....		1912
Gunnar S. Gustafson, Asst., Manual Training..	Sloyd Train. School,	1918
Pauline W. Chellis, Gymnastics.....	Boston School of Physical Education,	1919
Clifton W. M. Blanchard, Penmanship.....	Bridgewater Normal,	1911

**EVENING SCHOOL**

Clifton W. M. Blanchard, Principal.....	Penmanship
Philip I. Towle, Superv. H. S. Dept.....	Bookkeeping
Melvin V. Weldon.....	Mechanical Drawing
Ruth A. Perkins.....	Mechanical Drawing
Herbert N. Nicholas.....	Non-English Speaking Class
Lubelle H. Hodgman.....	Non-English Speaking Class
Lucille M. Dunton.....	Civil Service Preparation
M. Gertrude Fairbanks.....	Stenography
E. Grace Hereulson.....	Stenography
Mary P. Webb.....	Typewriting
Alma A. Thomas.....	Typewriting
Josephine Wentworth.....	Commercial Arithmetic, Bookkeeping
Lillian R. Edmands.....	Commercial Arithmetic, English
Bertha R. Davis.....	Grammar School Subjects

**ATTENDANCE OFFICER**

Thomas F. McGuine

**MEDICAL INSPECTOR**

Edward W. Barrett, M. D.

**SCHOOL NURSE**

Mary C. Hoisington

## 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
Frank McMahon, 7 North Street.....	Lincoln School
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

# Report of the Sealer of Weights and Measures

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Medford, Mass., January 1, 1920.

Hon. Benjamin F. Haines,  
Mayor of Medford.

Dear Sir:

I have the honor to submit to you my sixteenth annual report of the Weights and Measures Department, of the City of Medford, for the year ending December 31, 1919.

Scales	Adjusted	Sealed	Non-Sealed	Con-demned
Platform over 5,000 lbs. capacity . . . .	1	19		1
Platform under 5,000 lbs. capacity . . . .	10	118	1	1
Counters . . . . .	20	160	1	1
Spring balances . . . . .	13	149	14	8
Computing . . . . .	8	123	6	12
Slot personal . . . . .		17		
Prescription . . . . .	4	18		
Weights				
Avoirdupois . . . . .	11	1063		13
Apothecary . . . . .	3	232		
Metric . . . . .	4	141		
Troy . . . . .		8		
Capacity Measures				
Dry Measures . . . . .		29		3
Liquid measures . . . . .		236		8
Ice cream cans . . . . .		480	10	39
Yard sticks . . . . .		38		
Automatic				
Liquid Measuring Devices				
Gasolene . . . . .	26	30	1	
Oil . . . . .	10	42	19	
Molasses . . . . .		16	6	
	110	2919	58	86



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

Commodity	Number Tested	Correct	Incorrect	
			Under	Over
Charcoal and Coke .....	46	46		
Coal, (in wagons) .....	12	9	2	1
Coal, (in paper bags) .....	115	114	1	
Ice .....	55	25	28	2
Flour .....	79	69	5	5
Butter .....	98	87	7	4
Dry Commodities .....	120	115	5	
Bread .....	192	148	5	39
Confectionery .....	23	23		
Berry Baskets .....	57	57		
Milk Jars .....	54	44	10	
Gasoline .....	10	9	1	
Wood .....	4	4		
Apple Barrels .....	10	10		
Sweet Potatoes .....	10	10		
Wood Baskets .....	25	25		
<b>Totals .....</b>	<b>910</b>	<b>795</b>	<b>64</b>	<b>51</b>

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

### Inspections Made in Stores and Streets

Stores .....	122
Hawkers' and Peddlers' .....	109
Hawkers' and Peddlers' Licenses .....	42
Milk Dealers' Wagons .....	74
Coal Certificates .....	110
Junk Dealers' Scales .....	33
Ice Scales .....	96
Gasolene Devices .....	110
<hr/>	
Total .....	696
Amount Appropriated .....	\$450 00
Amount Expended .....	450 00
<hr/>	

There are twelve persons licensed to collect junk in this city, and one dealer in same material, 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.

People, as a rule, have no confidence in junk collectors and those who are suspicious are not at all times warranted in these suspicions. For example,—many housekeepers have what they call correct scales and use them to weigh different commodities, whether it be junk or groceries, and often these scales have been in the family for years, and, according to their ideas, are infallible. If they will bring them to the sealer's office, and have them examined, they would know when they had just cause for complaint.

New legislation, rulings of the Attorney General and instructions from the Commissioner of Standards, and more care in testing and sealing, in addition to what has already been done, will greatly increase the work of this department for the ensuing year.

Under the rules of the Commissioner of Standards Department, to comply with the provisions of the law, I have made reweighings of coal at different times. I am a believer in the spirit of the law and while I realize as well that public prejudice is difficult to control and rectify, I have found no instance of wrong doing by the merchants in our city in regard to short weights of coal. It is not well to condemn the whole trade because occasionally there appears in the daily papers notice of short weight in other cities and towns.

The method employed is as follows: Wagons are stopped on the streets and the driver directed to proceed to any scale that the sealer may designate, preferably to a public scale or any such that had been recently tested, adjusted and sealed. There the gross weight is ascertained, a copy of the certificate accompanying the load is made out, then the driver is instructed to return to the same scale after delivery when tare and the net weights are ascertained, and in case of any error the dealer is notified at once.

The test weighing of ice and the inspection of ice scales has been given a great deal of time and attention, and although no convictions have followed, the indirect result of our campaign against short weight, especially in this commodity, has been realized and appreciated by the public. Considerable difficulties have been encountered on account of the public, when purchasing ice, not asking for a certain amount in weight, but for a 10-cent or a 20-cent piece, and by doing so are left almost entirely at the mercy of the dealer or the driver, who has been known to take advantage of such conditions for increasing his own emolument.

In fact, all of the ice companies are handicapped by difficulties in finding responsible employes in the arduous labor and long hours required. The only remedy for the perpetrations of fraud on the public, is constant personal supervision by employers as well as frequent following up of the teams by the sealer.

The new pedlar ordinance has the effect of eliminating the many itinerant, irresponsible pedlars that have frequently infested the city,—especially when fruit and vegetable commodities were cheap—and incidentally netted the substantial sum of \$600.00 to the City Treasury for licenses. I find that they are of a good class of people and seem inclined to live up to the laws made for their government.

Automatic gasolene pumps require and receive constant inspection.

Garage owners and dealers in gasolene and oils are not dishonest; the trouble is usually that the importance of accurate measurement has never been sufficiently impressed upon them. When they discover the advantages of uniformly accurate measure in establishing competition upon a definite basis, I find they will co-operate in a most satisfactory manner, and will take an interest in not only knowing that their own equipment is accurate, but that that of every other dealer in the same locality is accurate also.

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 Dollars (\$500.00) be appropriated.

Respectfully submitted,

WINSLOW JOYCE,

Sealer of Weights and Measures.

# Report of the City Clerk

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January 2, 1920.

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

Gentlemen:

I attach herewith an itemized and detailed report of the fees collected in this office for the year 1919.

I have on file receipts by months from the City Collector which total \$3,087.47.

The Board of Aldermen held 21 regular, four regular adjourned and 9 special meetings.

The number of deaths recorded for 1919 was 516; it is likely that some out of town reports for 1919 deaths will be received subsequent to this date.

The number of births as per canvassers' report for the year 1918 was 1176.

## Receipts

Marriage intentions filed, 468.....	\$ 468 00
Mortgage records filed, 306.....	204 80
Copy of records, 117.....	58 25
Garage permits, 101.....	101 00
Gasoline permits, 51.....	51 00
Lord's Day licenses, 48.....	240 00
Common Victualer licenses, 20.....	60 00
Bowling Alley licenses, 7.....	240 00
Billiard and Pool Room licenses, 10.....	64 00
Junk Collectors' licenses, 12.....	300 00
Junk Shop licenses, 1.....	25 00

REPORT OF CITY CLERK

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Hawkers' and Pedlers' licenses, 24.....	624 00
Sale of Second Hand Articles, 3.....	45 00
Tallow and Grease Collectors' licenses, 4.....	12 00
Distribution of Circulars permits, 167.....	83 50
Awning and Sidewalk Projection permits, 75....	75 00
Intelligence Office licenses, 2.....	4 00
Inn Holders' licenses, 1.....	3 00
Taxicab licenses, 4.....	40 00
Job and Express Wagon licenses, 17.....	20 00
Pole Location grants, 17.....	17 00
Transportation of Explosive permits, 5.....	2 50
Auctioneers licenses, 6.....	12 00
Sale of Fireworks permit, 12.....	12 00
Lunch Wagon licenses, 4.....	20 00
Coffee and Tea House licenses, 3.....	15 00
Physicians' Registration fees, 2.....	50
Private Detective licenses, 1.....	10 00
Rendering Plant licenses, 1.....	1 00
Denatured Alcohol permits, 6.....	6 00
Purchase and Sale of Second-hand Motor Vehicles and Parts thereof, licenses, 11.....	41 00
Dog license fees, 982.....	196 40
Hunters' and Fishermen's license fees, 100.....	15 00
Interest on Deposit.....	5 77
Miscellaneous fees, 53.....	14 75
	<hr/>
	\$3,087 47

Respectfully submitted,  
 CHARLES A. WINSLOW,  
 City Clerk.

# Report of the Trustees of Cemeteries

Medford, Mass., January 1, 1920.

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

Dear Sir:

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

During the year 1919 there were 220 interments in the cemeteries of the city as follows:

Oak Grove Cemetery.....	219
Cross Street Cemetery .....	1
	<hr/>
	220

These interments were made:

In private lots.....	82
In Grand Army lot.....	2
In single graves.....	113
In free graves.....	23
	<hr/>
	220

Included in the above interments in private lots are the ashes of 5 cremations.

There were 8 transfers within Oak Grove Cemetery and 4 transfers from Cross Street Cemetery to Oak Grove Cemetery.

There were 4 bodies placed in the Receiving Tomb during the year, two of which were buried in Oak Grove Cemetery and two removed to other cemeteries for burial.



**Sale of Lots and Graves**

Lots sold during the year.....	17
Single graves sold during the year.....	110

**Perpetual Care**

Amount added to the Perpetual Care Fund in 1919 .....	\$ 2,178 62
Total amount of Perpetual Care Fund in the hands of the Sinking Fund Commissioners	51,654 51

**Receipts**

Amount received from sale of lots.....	\$ 2,997 75
Amount received from sale of graves.....	3,660 00
Amount received from insurance.....	250 00
Amount received from interments, care, plants etc. ....	2,892 96
Amount received from income of Perpetual Care Fund .....	1,661 86
Amount received from appropriations.....	1,500 00

**Disbursements**

Amount paid for labor as per pay rolls, incidentals, and supplies.....	\$17,260 15
--	-------------

**Salem and Cross Street Cemeteries**

Amount received from appropriation.....	\$ 200 00
Amount paid for labor.....	96 01
Amount paid for stock and labor repairing fence at Cross Street Cemetery.....	93 79

**Fountain Pond**

Last year we contracted for the reconstruction of the Fountain Pond basin at a cost of \$1,448.00 which was paid from the funds we had in hand.

The completion of this work made a wonderful improvement in the general appearance of the cemetery, as the dilapidated condition of the pond had been the subject of much regret to the Trustees for several years, and several recommendations had been made to remedy or remove the objectionable conditions.

### Property

In our request for appropriation we have asked for \$1,000.00 for repairs on the buildings and property at Oak Grove Cemetery covering only the absolutely necessary things to be done.

The picket fence around the new part of the cemetery needs repairs which will cost approximately \$100.00, and the iron pipe fence on Playstead Road is rusting badly and will have to be cleaned and painted at a cost of about \$40.00. The iron fence at the entrance on Winthrop Street is in very bad condition, having had nothing done to it for a long time, and a thorough job of scraping and painting is imperative.

The barn and store shed are badly in need of paint, and should have at least one coat at once, while the roof of the shed must have repairs as it is leaking in some places. The tin roof on the tool house is leaking badly and may require a new roof.

There are many repairs which should be made at the Superintendent's house, as no work has been done inside of the house, other than what the Superintendent himself has done, for the past sixteen years, and at the present time several ceilings are in a bad condition and liable to have sections fall, and several rooms must be papered and painted.

The amount asked for will not begin to do the work that should be done, and we have asked for barely enough to do that which is absolutely essential for the preservation of the property.

### **New Ground**

We have asked for \$750.00 for stone bound stones and the surveying and making plans of the new areas which have been graded and seeded the past season, which includes sections for single graves and about 25,000 square feet to be devoted to 4-grave lots, as at the present time we have practically sold all the lots we have of this size, and as the ordinances require the surveying and marking of lots with permanent bounds before being offered for sale, it is obvious that funds must first be had.

### **Fertilizer**

We have asked for \$1,000.00 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 the grass will result in the depletion of other lawns.

### **Labor**

Our present pay roll averages about \$180.00 per week and we must have about eight men in addition to our present force during the busy and summer season from April 1st to October 1st, or 20 weeks, if the work is to be done, and even with this force it will require two years to put the grounds in their former good condition.

### **General Expenses**

In our amount recommended we include \$1,800.00 for tools, grain, coal, horse shoeing, tool sharpening, trees, shrubs, miscellaneous supplies and incidentals.

We have carefully estimated our necessities for the ensuing year, and the amounts required total to \$18,080.00, which, after deducting the sum received as income from

the Perpetual Care Fund and the average net receipts from sale of lots and miscellaneous sources, it leaves an amount in excess of \$10,000.00, and we therefore respectfully request that your Honor recommend the sum of \$10,000.00 for the care of Oak Grove Cemetery.

#### Salem and Cross Street Cemeteries

Last year temporary repairs were made to the fence on the northerly and westerly boundaries of Cross Street Cemetery, but we feel that the fence is in such a bad condition that an appropriation should be made to rebuild the fence on these lines.

Both cemeteries received general care in so far as the funds at our disposal would permit.

We recommend that an appropriation of \$700.00 be made for these cemeteries as follows:

For general care of Salem and Cross Street Cemeteries .....	\$200 00
For rebuilding fence at Cross Street Cemetery	500 00
	<hr/>
	\$700 00

#### Appropriation

The Trustees respectfully request an appropriation of \$10,700.00 for the ensuing year as follows:

General expenses of Oak Grove Cemetery, including pay rolls, fertilizers, tools, coal, grain, trees, shrubs, and incidentals.....	\$10,000 00
Care of Salem and Cross Street Cemeteries, including fence at Cross Street Cemetery..	700 00
	<hr/>
Total .....	\$10,700 00

Respectfully submitted,

ELLERY A. ARMSTRONG,

F. W. RAUSKOLB,

SELAH H. THURBER,

Trustees of Cemeteries.

# Report of the Board of Assessors

January 1, 1920.

Hon. 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 31, 1919.

Warrants have been received for the assessment of taxes in the City of Medford for the year 1919 as follows:

A State Warrant for the City of Medford's part of a State Tax of \$11,000.00, as apportioned by Chapter 344, General Acts of 1919....	\$77,880 00
A County Warrant for the Tax of Middlesex County for County Purposes.....	40,011 68
A State Warrant for Metropolitan Sewer Tax, Chapter 439, Acts of 1889.....	33,634 25
A State Warrant for the Metropolitan Park and Boulevard Tax.....	19,406 33
A State Warrant for the Charles River Basin Tax .....	3,197 35
A State Warrant for cost of reconstructing and maintenance of Wellington Bridge.....	4,937 57
A State Warrant for Fire Prevention Tax.. ..	517 82
A State Warrant for State Highway Tax....	228 56
A State Warrant for the Boston Elevated Railway Company Tax under Chapter 159 of Special Acts of year 1918.....	82,669 94
A State Warrant on account of War Tax, Chapter 346 of General Acts of 1919.....	4,672 80
A State Warrant for Auditing Municipal Accounts under Section 6, Chapter 598, Acts of 1910 .....	422 88

A City Warrant for Tax of City of Medford for City purposes.....	877,536 59
Overlay .....	4,888 70
	<hr/>
	\$1,150,024 47

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 \$29.40 per \$1,000.00 and the same was provided for as follows:

10,235 Polls at \$2.00 each.....	\$ 20,470 00
Real Estate Tax at \$29.40 per \$1,000.....	960,780 24
Personal Estate at \$29.40 per \$1,000.....	73,425 03
Income Tax from State.....	48,079 84
School Fund under Chapter 363, General Acts 1919 .....	33,600 00
Public Service Corporation Tax.....	4,760 66
Business Corporation Tax.....	6,018 82
National Bank Tax.....	2,889 88
	<hr/>
	\$1,150,024 47

Number of Polls and Valuation of the City by Wards,  
April 1, 1919:

	Number of Polls	Personal Estate	Real Estate	
			Buildings	Land
Ward 1 .....	1,583	\$165,900	\$2,916,600	\$1,138,300
Ward 2 .....	1,463	193,800	2,464,600	1,340,750
Ward 3 .....	1,125	1,182,650	4,086,350	3,328,700
Ward 4-1 ....	876	99,300	1,729,500	837,200
Ward 4-2 ....	756	37,350	1,229,850	466,350
Ward 5-1 ....	1,116	77,350	2,379,200	711,350
Ward 5-2 ....	1,546	73,900	2,496,600	833,000
Ward 6-1 ....	1,367	253,000	3,206,850	1,876,100
Ward 6-2 ....	720	112,200	2,031,750	640,750
Ward 7 .....	808	302,000	1,781,050	1,054,050
	<hr/>	<hr/>	<hr/>	<hr/>
Totals .....	11,360	\$2,497,450	\$24,322,350	\$12,226,550

Total Assessed Polls .....	11,360
Exempted Polls	
Veterans of Civil War .....	62
Soldiers of World War ....	1063
	<hr/>
	1,125
	<hr/>
Total Taxable Polls .....	10,235
Total Valuation April 1, 1919.....	\$39,046,350
Less City and Exempted Property .....	3,869,300
	<hr/>
Total Taxable Valuation, April 1, 1919.....	\$35,177,050
Rate per \$1,000, \$29.40	

**Amount of Taxes Committed to the Tax Collector  
for year 1919**

Polls .....	\$20,470 00
Personal Estate .....	73,425 03
Real Estate .....	960,780.24
Street Watering Assessments.....	16,702 06
Sewer Apportionments .....	976 44
Sewer Apportionments Interest.....	174 00
Betterment Apportionments .....	2,209 56
Betterment Apportionments Interest .....	422 54
Sidewalk Apportionments .....	3,515 31
Sidewalk Apportionments Interest .....	431 84
Sewer House Connection Assessments.....	955 96
Sewer House Connection Assessments Interest	34 64
Sewer House Connection Apportionments ....	1,229 40
Sewer House Connection Apportionments Int..	207 09
	<hr/>
Total amount committed to Tax Collector in Original Warrant and added to Taxes of 1919 .....	\$1,081,534 11

Supplementary Warrants:	
Poll Taxes .....	\$130 00
Personal Taxes .....	
Excise Tax (Eastern Mass. St. R. R. Co., Bay State System)	167 13
Total amount of Warrants committed to Tax Collector during year 1919 .....	
<b>Value of Exempted Property</b>	
Literary Institutions .....	\$130,400
Scientific Institutions .....	687,250
Benevolent Institutions .....	30,500
Houses of Religious Worship ..	518,400
Commonwealth of Massachusetts	28,300
Veterans of Civil War .....	43,400
City of Medford .....	2,431,050
<hr/>	
Total Exempted Property Valuation. ....	\$3,869,300
Number of Residents assessed on Property:	
Individuals .....	6,390
All others (firms, etc.)....	936
<hr/>	
Total .....	7,326
Number of Non-residents assessed on property:	
Individuals .....	1,541
All others .....	371
<hr/>	
Total .....	1,912
<hr/>	
Number of Persons assessed on Property, Total	9,238
Number of Persons assessed on Poll Tax only.	8,709
<hr/>	
Total number of Persons assessed on Property and Poll Taxes .....	17,947
Number of Militia (between 18 and 45 years of age) .....	7,983



REPORT OF BOARD OF ASSESSORS

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Number of Taxable Polls .....	10,235
Tax on each Poll .....	\$2.00
Number of Horses .....	227
Number of Cows .....	174
Number of Neat Cattle other than Cows.....	3
Number of Automobiles .....	1,486
Number of Boats .....	89
Number of Dwelling Houses .....	6,366
Population as found by the Assessors April 1, 1919 .....	37,940

**APPORTIONMENTS**

**Sewers**

January 1, 1920, there remain on the books of the Assessors, Sewer Apportionments to be added to taxes in future years amounting to ..... \$1079 10

**House Connections**

January 1, 1920, there remain on the books of the Assessors, Sewer House Conection Apportionments to be added to taxes in future years amounting to ..... \$3,901 23

**Sidewalks**

January 1, 1920, there remain on the books of the Assessors, Sidewalk Apportionments to be added to taxes in future years amounting to ..... \$8,565 84

**Betterments**

January 1, 1920, there remain on the books of the Assessors, Betterment Apportionments to be added to taxes in future years amounting to ..... \$6,457 98

**Abatements****Polls, Personal and Real Estate Taxes**

Taxes of year 1916.....	\$ 97 02
Taxes of year 1917.....	153 66
Taxes of year 1918.....	858 98
Taxes of year 1919.....	2,157 96

**Street Watering**

Assessment of 1916.....	\$ 64 08
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Respectfully submitted,

EDWARD S. RANDALL,  
 JOHN A. RICKER,  
 FREDERICK F. HOCKADAY,  
 Board of Assessors of City of Medford.

# Report of the Building Commissioner

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Medford, Mass., January 15, 1920.

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

Dear Sir:

As required by the City Charter, I submit the annual report for the year ending December 31, 1919.

The whole number of applications for building permits has been four hundred and fifty-four (454).

The estimated cost of this work was over one million, one hundred sixty-four thousand, one hundred and fifty-eight dollars (\$1,164,158.00).

Of the permits issued:

- 1 was for a coal pocket.
- 1 " " stable.
- 1 " " portable church building.
- 1 " " school building.
- 1 " " block, six stories.
- 4 were for repairs after fires.
- 5 " " manufacturing buildings.
- 14 " " additions to garages.
- 151 " " garages.
- 141 " " one-family dwellings.
- 47 " " two-family dwellings.

The remaining eighty-seven (87) were for permits for additions and general repairs.

## Permits by Wards

Ward 1 .....	56
Ward 2 .....	79
Ward 3 .....	122
Ward 4 .....	35
Ward 5 .....	54
Ward 6 .....	66
Ward 7 .....	42
<b>Total</b> .....	<b>454</b>

Permits by Months	Number of Permits	Cost
January .....	8	\$11,725 00
February .....	5	3,325 00
March .....	41	108,355 00
April .....	49	57,545 00
May .....	44	113,495 00
June .....	52	142,283 00
July .....	54	175,485 00
August .....	38	71,255 00
September .....	60	134,240 00
October .....	43	143,325 00
November .....	30	88,750 00
December .....	30	114,375 00
<b>Total</b> .....	<b>454</b>	<b>\$1,164,158 00</b>

## Recommendations

I would recommend that the sum of four hundred dollars (\$400.00) be appropriated for the general expenses, for the coming year, for this department.

Yours very truly

FRANK B. BLODGETT,

Building Commisisoner.

# Report of the City Engineer

January 31, 1920.

Honorable Benjamin F. Haines,

Dear Sir:

I have the honor to submit to you the twenty-sixth annual report of the Civil Engineering Department of the City of Medford, for the year ending December 31, 1919:

## Financial Statement

Appropriation, Jan. 1, 1919 ...	\$1,000 00	
Extra appropriation, Aug. 19, 1919 .....	500 00	
Extra appropriation, Dec. 31, 1919 .....	206 36	\$1,706 36
<hr/>		
Credits:		
Highway Department .....	\$1,508 21	
Water & Sewer Department...	913 56	
Board of Survey .....	6 18	
Assessing Department .....	1,499 67	
Cemetery Department.....	22 44	\$3,950 06
<hr/>		
		\$5,656 42
Expended: Pay rolls		
Pay roll, general .....	\$ 540 75	
Acceptance Plans .....	347 42	

Assessing Department .....	\$107 98	
Assessing Department (Plans)	1,499 67	
City Map .....	52 64	
City Solicitor .....	3 08	
Hancock School .....	1 80	
Franklin School .....	42 74	
Fulton Heights School .....	69 98	
Cemeteries .....	22 78	
Highway Department .....	1,627 55	
Water and Sewer Department:		
Sewer Division .....	\$ 537 87	
Water Division .....	259 04	
Brooks & Streams Division	76 28	
Board of Survey .....	6 18	\$5,195 76

Bills as follows:

Carfares, postage and incidentals .....	\$ 131 06	
Telephone .....	27 34	
Printing and Stationery .....	63 79	
Drafting materials .....	62 01	
Surveying materials .....	79 56	
Blue and black line prints .....	55 72	
Map mounting .....	1 58	
Medford Publishing Company.	20 50	
Street Watering .....	19 10	\$ 460 66

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\$5,656 42

### Scope of Work of the Engineering Department

The Department of Civil Engineering serves all city departments, and is concerned to a greater or less degree with most municipal improvements and undertakings. It makes surveys and furnishes plans and estimates of all proposed street, sewer, water and sidewalk construction. It

furnishes lines and grades for the same for construction purposes. It furnishes plans, data and schedules for the assessment of betterments, sidewalks and sewers.

It makes numerous surveys and plans for special purposes.

It issues all official house numbers and makes all street numbering plans.

It furnishes street lines and grades to property owners upon request.

It furnishes street line and other data to private surveyors to assist them in making their surveys.

It furnishes the Board of Assessors with up to date sectional maps of the entire city with every parcel of real estate drawn to scale, showing the area of each piece and the buildings on same.

It furnishes the Board of Aldermen with a complete list of all properties on streets which are oiled or sprinkled, with the frontages, rate and amounts of bills.

It assists the City Solicitor as far as possible in defending the city against suits and claim brought against it for damages sustained by reason of any defect or want of repair in any public way or for any cause whatever.

It furnishes plans, specifications and forms of contract for all contract work except for public buildings; also lines, grades and superintendance of the same where required.

It also furnishes all necessary measurements and data required to determine payments due to the contractors on all such work.

It also furnishes information of a miscellaneous character to the various United States, State and municipal departments as well as to the citizens upon request.

**Streets for Acceptance**

By request of the Board of Aldermen, surveys, plans, profile, registry examination and description has been made of eleven private streets for acceptance, viz :

Street	Ward	From	To
Acton Circle	4	Rye Street	Rye Street
Berwick Road	5	Harvard Street	Yale Street
Bowdoin Street	5	Dartmouth Street	Colby Street
Braemore Road	5	Broadway	Bow Street
Brownell Street	6	North Street	Boston Avenue
Chandler Street	6	Boston Avenue	Capen Street
Jackson Street	7	Fellsway	Riverside Ave.
Rye Street	4	Summer Street	George Street
Sloughton Street	6	Boston Avenue	Westerly
University Avenue	6	Boston Avenue	Tufts College Reservoir
Water Street	2-3	Fountain Street	Fulton Street



### Streets Accepted

The following streets have been accepted:

Street	From	To	Length	Date
Berwick Road	Harvard Street	Yale Street	260 ft.	Oct. 17, 1919
Bowdoin Street	Dartmouth Street	Colby Street	1,140 ft.	Oct. 17, 1919

**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.

**WARD ONE**

STREET	FROM	TO	Side	Lin. Ft. St. Stone	Sq. Yds. Gran.
Poole Street.....	Lawrence Street.....	Central Avenue .....	Both	1,734.39	.....
Evans Street .....	Lawrence Street.....	Central Avenue .....	Both	1,703.00	.....
				3,437.39	.....

**WARD TWO**

STREET	FROM	TO	Side	Lin. Ft. St. Stone	Sq. Yds. Gran.
Franklin Street.....	Park Street.....	Washington Street.....	North	674.45	.....
Ship Avenue .....	Marine Street.....	Maverick Street .....	Both	1,640.75	.....
				2,315.20	.....

### WARD THREE

STREET	FROM	TO	Side	Lin. Ft. St. Stone	Sq. Yds. Gran.
Terrace Road	Governors Avenue.....	Crest Road.....	East	532.0	.....

### WARD FOUR

STREET	FROM	TO	Side	Lin. Ft. St. Stone	Sq. Yds. Gran.
90-92 Brookings Street.....	.....	.....	North Both Both	52.66	31.24
42 Chester Avenue.....	.....	.....		37.2	27.0
Dearborn Street.....	Lyman Avenue.....	Winthrop Street.....		Staked	.....
Main Street.....	Medford Square .....	Royal Street.....		1,052.65	.....
Metcalf Street.....	Walnut Street .....	Walnut Street.....	Both	1,183.08	.....
				2,325.59	58.24

WARD FIVE

STREET	FROM	TO	Side	Lin. Ft. St. Stone	Sq. Yds. Gran.
Boston Avenue .....	Warner Street .....	Somerville Line .....	West	1,103.8	568.43
Boston Avenue .....	.....	.....		117.1	104.8
(Convent)	.....	.....		173.7	154.4
Boston Avenue .....	.....	.....		1,312.50	.....
(Parochial School)	Main Street .....	Willis Avenue .....	Both	.....	24.26
Golden Avenue .....	.....	.....		.....	90.55
11-13 Shapley Avenue ..	.....	.....		.....	.....
Lots 1 & 2, Warner St...	.....	.....		2,707.10	942.44

WARD SIX

STREET	FROM	TO	Side	Lin. Ft. St. Stone	Sq. Yds. Gran.
340-348 Boston Avenue .....					71.65
14 Capen Street .....					55.36
18 Capen Street .....					134.05*
Chardon Road .....	Playstead Road .....	Warren Street .....	Both	875.53	
Gove Street .....	Boston Avenue .....	Capen Street .....	Both	1,084.11	
Grove Street .....	High Street .....	Newton Road .....	West	1,077.20	640.8
Jackson Road .....	Grove Street .....	Sagamore Avenue .....	Both	1,743.01	
High Street .....	Grove Street .....	Sagamore Avenue .....	North	51.75	74.58
				4,831.60	976.45

\*Including Edison Avenue.

**WARD SEVEN**

**TO**

STREET	FROM	TO	Side	Lin. Ft. St. Stone	Sq. Yds. Gran.
Bradshaw Street.....	Pembroke Street.....	Spring Street.....	Both	1,453.61	.....
Middlesex Avenue.....	Fellsway .....	Third Street .....	West	1,416.85	92.05
Sydney Street .....	Fourth Street.....	Second Street.....	Both	933.43	.....
				3,803.80	92.05

**TOTALS FOR THE ENTIRE CITY**

WARD	Lin. Ft. Edgestone	Sq. Yds. Granolithic
1 .....	3,437.39	.....
2 .....	2,315.20	.....
3 .....	532.0	.....
4 .....	2,325.59	58.24
5 .....	2,707.10	942.44
6 .....	4,831.60	976.45
7 .....	3,803.89	92.05
	19,952.77	2,069.18



**STONE BOUNDS**

The following is the list of stone bounds set in 1919:

Street	No. of bounds
Metcalf Street .....	2
Walnut Street .....	2
Cor. Grove Street and Jackson Road .....	1
Playstead Road .....	2
Irving Street .....	1
Usher Road .....	1
<b>Total</b> .....	<u>9</u>

### BITUMINOUS MACADAM ROADWAY

The following summary shows list of bituminous macadam roadway constructed in 1919:

#### WARD 1—BY MUNICIPAL LABOR

STREET	FROM	TO	Sq. Yds. Roadway
Evans Street.....	Lawrence Street.....	Central Avenue.....	2,390
Poole Street.....	Lawrence Street.....	Central Avenue.....	2,260
			4,650

#### WARD 4—BY MUNICIPAL LABOR

STREET	FROM	TO	Sq. Yds. Roadway
Metcalf Street.....	Walnut Street.....	Walnut Street.....	1,900

**WARD 5—BY MUNICIPAL LABOR**

STREET	FROM	TO	Sq. Yds. Roadway
Golden Avenue.....	Main Street.....	Willis Avenue.....	1,930
Stanley Avenue.....	Main Street.....	College Avenue.....	3,050
			4,980

**WARD 6—BY MUNICIPAL LABOR**

STREET	FROM	TO	Sq. Yds. Roadway
Chardon Road.....	Playstead Road.....	Warren Street.....	1,280
Gove Street.....	Boston Avenue.....	Capen Street.....	1,680
Jackson Road.....	Grove Street.....	Sagamore Avenue.....	2,600
			5,560

**WARD 7—BY MUNICIPAL LABOR**

STREET	FROM	TO	Sq. Yds. Roadway
Sydney Street.....	Fourth Street.....	Second Street.....	1,320

**TOTALS**

	Sq. Yds. Roadway
By Contract .....	.....
By Municipal Labor.....	18,410
	<hr/> 18,410

### Permanent Paving

Permanent pavement, of the Hassam Block type, has been laid in Main Street from Cradock Bridge to Royal Street.

Of this 5,140 square yards between the rails and the curb was installed by the Simpson Bros. Corporation, and 451 square yards between the rails was 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, the installation of new curb on the east side of Main Street from Mystic Avenue southerly to No. 190 Main Street. The curbing on the west side from South Street to Emerson Street was set back to a line parallel with the street line and the sidewalk which was extra wide on account of trees, made of a width to correspond with the other sidewalks on the street.

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. There were also installed 216 square yards of the same type of pavement on the easterly side of Main Street from Cradock bridge northerly to the Railroad station and between the easterly rail and the curb.

### Estimates for Construction of New Streets

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

**Ward One**

STREET	FROM	TO
Central Avenue	Spring Street	Fellsway
Spring Street	Riverside Avenue	B. & M. R. R.
Garfield Avenue	Central Avenue	Salem Street
Sheridan Avenue	Salem Street	Fellsway

**Ward Two**

STREET	FROM	TO
Ship Avenue	Marine Street	Maverick Street
Franklin Street	Park Street	Washington Street
Maverick Street	Ship Avenue	Maverick Court

**Ward Three**

STREET	FROM	TO
Terrace Road	Governors Avenue	Cedar Road
High Street	Bradlee Road	Mystic River
Salem Street	Medford Square	Malden Line

**Ward Four**

STREET	FROM	TO
Dearborn Street	Adams Street	Winthrop Street
Florence Street	Royal Street	College Avenue
Greenleaf Avenue	Winthrop Street	End
Main Street	Medford Square	Somerville Line
Orchard Street	Winthrop Street	Lyman Avenue
Rye Street	Summer Street	George Street
Touro Avenue	South Street	Summer Street
Winthrop Street	Chester Avenue	Greenleaf Avenue

**Ward Five**

STREET	FROM	TO
Berwick Road	Harvard Street	Yale Street
Boston Avenue	College Avenue	Somerville Line
Bowdoin Street	Dartmouth Street	Colby Street
Braemore Road	Broadway	Bow Street
Brownell Street	Boston Avenue	North Street
Golden Avenue	Main Street	Willis Avenue
Two Penny Brook	50 Feet	

**Ward Six**

STREET	FROM	TO
Chandler Street	Boston Avenue	Capen Street
Gove Street	Boston Avenue	Capen Street
Grove Street	Jackson Road	High Street
High Street	Sagamore & Boston Avs.	Mystic Valley Pky
Quincy Street	Capen Street	Somerville Line
Stoughton Street	Boston Avenue	Westerly
Tyler Avenue	Grove Street	Johnson Avenue
University Avenue	Boston Avenue	Tutts College
		Reservoir
Winthrop Street	Capen Street	Emery Street

**Ward Seven**

STREET	FROM	TO
Bradshaw Street	Pembroke Street	Spring Street
Gibson Street	Spring Street	Glenwood Station
Jackson Street	Fellisway	Riverside Avenue
Middlesex Avenue	Fellisway	B. & M. R. R.

**Betterment Assessments**

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

STREET	WARD	FROM	TO
Chardon Road	6	Playstead Road	Warren Street
Evans Street	1	Lawrence Street	Central Avenue
Golden Avenue	5	Main Street	Willis Avenue
Gove Street	6	Boston Avenue	Capen Street
Jackson Road	6	Sagamore Avenue	Grove Street
Metcalf Street	4	Walnut Street	Walnut Street
Playstead Road	6	Usher Road	Irving Street
Poole Street	1	Lawrence Street	Central Avenue
Stanley Avenue	5	Main Street	College Avenue
Sydney Street	7	Fourth Street	Middlesex Avenue

**Street Watering**

The usual measurements of frontages have been made amounting to 477,200 feet or 90½ miles. The length of streets watered is about 52 miles; the area watered is about 856,551 square yards.

The rate is three and one-half cents per front foot.

**Surface Drains**

Plans, estimates, surveys and stakings have been made for surface drains as per Appendix A.

**Swan Junior High School**

Lines were given for building of fence between the city property and that of Simeone.

### **Fulton Heights School**

A topographical survey and plan of the Fulton Heights School lot was made for the use of the architect. A plan and description for use by the City Solicitor and for recording in the Registry of Deeds in connection with the taking by eminent domain of the land was also made.

By direction of the Board of Aldermen there was also made to determine the amount of excavation a cross section survey, plan, and estimate of the excavated portion of the lot.

### **Oak Grove Cemetery**

Plans, specifications and form of contract was made for a new basin for the fountain. The contract was awarded by the Trustees to Frank W. Hook on April 22, 1919, and the work completed on May 28, 1919, so that the fountain was in operation on "Memorial Day."

### **Assessors' Plans**

This department has nearly completed a new set of plans for use by the Assessing Department. These cover the entire city and are made on sheets 11in.x17in. and scale of lin. equal 80ft.

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.



**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 as per list given:

STREET	FROM	TO
Austin Rd.	N. of Wolcott St	Prescott Street
Burget Ave.	N. E. of Green-leaf Ave.	S'ly & E'ly to end.....Knollwood
Ellsworth St.	Gaston St.	S. E'ly to end.....Lawrence Pk.
Fells Ave. Ter.	Fells Ave.	E'ly to end
Gaston St.	Fulton St.	N. E'ly to end .....Lawrence Pk.
Glenwood Ave.	Spring St.	E'ly to end
Greenleaf Ave.	Hume Ave.	N. W. of Burget Avenue..Knollwood
Harold St.	Hamilton St.	Somerville Line
Hume Ave.	Burget Ave.	N. E'ly .....Knollwood
Knollwood Rd.	Woodbine Rd.	N. W'ly to end .....Knollwood
Leighton St.	Ellsworth St.	Park Avenue .....Lawrence Pk.
Lila Ave.	Fulton St.	McCormack Avenue .....Lawrence Pk.
McCall St.	Fulton St.	S. E'ly to end.....Lawrence Pk.
Murray Hill Rd	Fells Ave.	E'ly
Prescott St.	Austin Rd.	Mystic Street
Sturgis St.	Highland Ave.	Fulton Street .....Lawrence Pk.
Sunset Ave.	Hume Ave.	S. E'ly to end.....Knollwood
Traineroft Ex.	Traineroft	W'ly to end
Wason St.	Highland Ave.	Fulton Street.....Lawrence Pk.
Wedgemere Rd.	George St.	S. W'ly to end.....Knollwood
Wolcott St.	High St.	Austin Rd.
Woodbine Rd.	George St.	S. W'ly to end.....Knollwood

**Water Works Construction**

There have been constructed during the year four thousand three hundred sixty and fifty-five hundredths (4,360.55) 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 gate-book. In addition to the above the following field work has been performed:

- Staking and grades for Gaston Street.
- Staking and grades for Murray Hill Road.
- Staking and grades for Wolcott Street.
- Staking and grades for Austin Road.

Staking and grades for Andrews Street.  
 Staking and grades for Brackett Street.  
 Staking and grades for Saunders Street.  
 Staking and grades for Ames Street.  
 Staking and grades for Fells Avenue Terrace.  
 Staking for Walsh Street.  
 Staking for Fulton Street.  
 Staking for Butler Street.  
 Staking for Barnard Street.  
 Staking for Evans Street.

### Sewer Construction

Two thousand three hundred and five hundredths (2,300.05) feet of sanitary sewers have been built during the year, by municipal labor, and for which lines and grades have been given, Y locations obtained and record plans and assessment schedules made and forwarded to the commissioners.

The following table shows the total lengths and sizes of sewers on January 1, 1920:

5-inch vitrified pipe sewer.....	97.0
6-inch vitrified pipe sewer.....	14,539.5
8-inch vitrified pipe sewer.....	276,036.95
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 66.406 miles	

For schedule of sewers constructed in 1919 see next page.

### Schedule of Sewers Built in 1919

LOCATION	FROM	TO	Length In Ft.	Size In.	Chim- neys	Inlets	Character of Soil
Harold St. ....	Sta. 1 plus 81.7 .....	Sta. 2 plus 99.2 .....	117.50	8		2	Hardpan
Evans St. ....	Sta. 0 plus 02.2 .....	Sta. 2 plus 62.0 .....	259.80	8		16	Sand
Glenwood Ave. ....	Sta. 0 plus 01.7 .....	Sta. 4 plus 05.61 .....	403.91	8		27	Sand & Clay
Woodland Ave. ....	Sta. 0 plus 01.75 .....	Sta. 2 plus 74.65 .....	272.90	8		17	Gravel
Newton Road .....	Sta. 0 plus 0 .....	Sta. 3 plus 94.62 .....	394.62	8		25	Gravel
Trainercroft .....	Sta. 5 plus 37 .....	Sta. 6 plus 01.6 .....	64.60	8		1	Gravel
Fells Ave. Terrace ....	Sta. 0 plus 0 .....	Sta. 2 plus 60.21 .....	260.21	8	2	6	Hardpan & Rock
Fourth St. ....	Sta. 0 plus 03 .....	Sta. 1 plus 12.40 .....	109.4	8	5	5	Clay & Gravel
Fells Ave. ....	Sta. 8 plus 17.16 .....	Sta. 9 plus 49.1 plus .....	120.04	8		8	Hardpan & Rock
Myrtle St. ....	Sta. 5 plus 10.0 .....	Sta. 8 plus 98.17 .....	287.17	8		5	Sand & Clay
<b>Total</b> .....	.....	.....	2,300.05		7	112	

### Whitmore Brook

A reinforced concrete culvert of 4ft. 6in by 6ft. section has been constructed from the easterly line of Warren Street to the southerly line of Irving Street and from the northerly line of Irving Street to the southerly limit of the open channel between Irving Street and Playstead Road, a total length of two hundred thirty-four (234) feet. This will doubtless relieve this section of flood conditions which have periodically occurred, and which were caused by the lack of a proper channel across private land at these points due to the rotting of the wooden roofing and caving in of the top and thus damming the flow of the stream.

For this work plans, estimates and stakings, etc., were made and releases obtained from the owners of the property through which it was constructed.

### Office

The indexing of plans, survey and level books, calculations and construction records, etc., have been continued so that there are forty-three thousand eight hundred twenty-nine (43,829) typewritten cards.

Lines and grades for streets for guidance in erection of fences, grading of lawns and building operations have been given to twenty-two (22) 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.

### Oak Grove Cemetery

At the present time, there is no map showing the cemetery as a whole, the existing plans being mostly on small sheets of various scales and made by different engineers; and, as we do not have their field notes, it is practically impossible to connect the separate parcels into one complete and accurate map.

### Inventory of the Property of the Department

Six thousand, six hundred fourteen plans and profiles.

Twenty-nine section maps.

Ninety-eight survey and level books.

One hundred eight inspector's note 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 stools.  
Five drawing tables.  
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 note-book 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 keg spikes.  
Six 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 appropriation of money each year to set stone bounds so that the location of street lines may be permanently fixed. Owing to decay and destruction of natural monuments this becomes more essential each year.

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, have been made by this department.

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.

Conduit for the storm water in Two-Penny Brook. The land now used for storage is being developed into house lots.

Setting edgestones and building permanent sidewalks on accepted streets where the property is so built up that there will be slight necessity of tearing up sidewalks for new construction. Permanent paving on Salem and High Streets.

Respectfully submitted,

FRED R. CHARNOCK,

City Engineer.

## APPENDIX A

### Schedule of Surface Drains Built in 1919

LOCATION	FROM	TO	Lengths	Size	No. of Catch Basins	" M. H.	Length of Connections
Capen St. ....	North Street.....	Sta. 6 plus 0 .....	600	12 in.	3	2	81 ft. of 10 in.
College Acres.....							
Main Street.....	Two Penny Brook.....	Windsor Rd. ....	Relay 270	18 in.		2	
Windsor Road.....	Main St.....	Hinsdale St. ....	1261	15 in.		5	
Frederick Ave.....	Hinsdale St.....	College Ave. ....	90	12 in.		2	
Hinsdale St.....	Windsor Rd.....	Frederick Ave. ....	202	12 in.			
College Ave.....	Frederick Ave.....	Stanley Ave. ....	270	12 in.	4	1	
Private Land.....	Windsor Rd.....	N. Side Frederick Ave.	212	12 in.			
Private Land.....	N. Side Frederick Ave...	S. Side Stanley Ave....	130	12 in.			
Stanley Ave.....	S. Side Stanley Ave....	N. to Catch Basin.....	9	12 in.	2		21 ft. of 10 in.
Crest Rd.....	Crest Road.....	75 ft. down Terrace Rd.	75	12 in.	2		24 ft. of 10 in.



**APPENDIX A—Continued**

LOCATION	FROM	TO	Lengths	Size	No. of Catch Basins	No. of M. H.	Length of Connections
Metcalf St.....	Metcalf St.....	Manning St. ....	213	12 in.	2	1	
Park St.....	Riverside Ave.....	Thatcher St. ....	233	12 in.		1	
Thatcher St.....	Park St.....	Easterly .....		10 in.	2		68 ft. of 10 in.
Ship Ave.....	River .....	Marine St. ....	304	12 in.	2	2	30 ft. of 10 in.
Riverside Ave.....	Opp. 419 Riverside Ave.	Opp. 397 Riverside Ave.	297	12 in.	2		30 ft. of 10 in.
Water St.....	Ash St.....	Easterly & Westerly...		10 in.	2	1	56 ft. of 10 in.
Ash St.....	Water St.....	Brook .....	190	10 in.			

# Report of the City Solicitor

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February 11, 1920.

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

Dear Sir:

In accordance with the provisions of the City Charter, Section 31, I herewith submit the report of the City Solicitor's Department for the year ending December 31, 1919.

In submitting this report it is gratifying to state that during this period there have been no verdicts obtained against the city.

## Cases Disposed of

Seventeen cases involving the City have been finally disposed of, either by trial, dismissal, or settlement.

These cases represented claims of practically every nature against the City, the majority being actions of tort for personal injuries due to alleged defective condition of public ways, assessment of damages for land taking, taxation, etc.; all of which are matters of record in the various Courts, as well as on my docket.

In two cases involving injury to City property, in which the City was claimant, satisfactory settlements have been secured and the money turned over to the City Treasury.

### Written Opinions

The requests for opinions from the various departments of the City have been numerous, involving many and varied legal topics, but each request has been promptly complied with and every question given careful study and examination before reply.

Fifty-eight (58) written opinions have been prepared and rendered to the Board of Aldermen and heads of departments which are too long to enumerate or quote here, and in addition, I have likewise furnished many oral opinions on request of the various departments.

### Revision of Ordinances

Pursuant to vote of the Board of Aldermen I have acted with the Committee on Revision of Ordinances, a complicated work involving much time, effort and patience.

Over thirty sittings were held to accomplish this object, extending through the spring, summer and fall, all of which I attended.

### Legislative and Other Hearings

I have appeared at the State House before various committees of the Legislature and State Boards on matters affecting the interests of the City, including hearings on various bills and petitions previously drawn and filed.

I also attended the several meetings held before the Public Service Commission relative to proposed increase of railroad-fares, and with representatives of other Cities and Towns, registered protests thereto successfully.

I also attended several meetings with representatives of other cities and towns relative to assessments in the matter of the Boston Elevated Railway deficit, and investigated and reported thereon.

I have also appeared several times before the County Commissioners in behalf of the City on matters pending before them involving city interests.

#### **Appearances Before Committees of the Board of Aldermen**

At the request of several committees of the Board of Aldermen I have attended certain of their meetings and have given legal advice on various pending matters.

#### **Recommendations**

I recommend that the sum of three hundred (\$300.00) dollars be appropriated for the use of this department for the ensuing year to cover the expenses incidental to the duties of the office, such as court costs and fees, copies of records, printing of briefs, stenographic work, etc.

In conclusion, I desire to assure your Honor, the heads of departments and the various members of the City Government that my services are at all times cheerfully at their disposal.

Respectfully submitted,

A. CHESLEY YORK,  
City Solicitor.

# Report of the Park Commissioners

---

Medford, Mass., January 1, 1920.

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

Sir:

The Board of Park Commissioners herewith presents its twenty-seventh Annual Report for the year ending December 31st, 1919.

The passing of the year 1919 witnessed the closing of the World War and the end as well of some of our municipal troubles. The high cost of labor and supplies, however, remain to burden public officials who would render a good account of their stewardship without excessive cost to the tax payer.

The Commission desires to express its appreciation to your Honor and the Board of Aldermen for the granting of its request for an appropriation in full at the beginning of the year and several subsequent appropriations to make up the required amount. This permits of a better planning of the work and as a consequence gives a more efficient and economical result.

The work of putting the Parks and Playgrounds in condition for use during the year commenced on April 1st and they were inspected throughout the season by the members of the Commission.

As the season advanced satisfactory progress was made on both parks and playgrounds. This condition was well maintained up to the middle of July when excessive rain fall somewhat interfered with the general work. On August 30th the pay of the employes was increased fifty cents per day, same to take effect as of August first. As a consequence the Commission's appropriation was more rapidly expended than anticipated and having become exhausted on account of the unexpected increase and no further appropriation having been made to cover the deficiency, all work was necessarily suspended on Saturday, October 11th, much earlier than was desirable.

The appropriation of \$500.00 as per request and vote of the Commission made June 9th, "For improving facilities for baseball and other sports at Tufts Playground" enabled the carrying out of a suggestion of Supervisor of Playgrounds Whitten in his report last year, that "The cinder surface of the baseball diamond be removed and a grass diamond such as is in use at the Playstead be put in." The former surface was very unsatisfactory from the ball player's point of view.

This work was, by vote of the Commission, placed in charge of Mr. Buss and Mr. Collins.

Playground supervision undertaken last year for the first time was continued the past summer and much progress made. James E. Mansfield was appointed, by vote of the Commission, Supervisor of Playgrounds on April 24th. His training and experience in handling boys, his executive ability, together with his pleasant personality, commanded the respect and attention of the boys and had much to do with the success of the Summer work. Miss Weston as assistant with her helpers took charge of the training of the girls and little children with excellent results.

The Commission at its meeting on April 24th took up the matter of shelters for the children on the playgorunds and after careful consideration of the existing conditions voted to request the Chairman to confer with your Honor in reference to the matter. At the following meeting of the Commission on May 22nd, the Chairman made his report and the Commission then voted to request an appropriation of \$650.00 for Summer Street Playground alone.

Further consideration of the situation, however, in view of the great need of the shelters by the children and instructors as a protection from the sun and rain led to the recommendation by your Honor and to the consideration of the Board of Aldermen in June of an appropriation of \$3,000.00 to be met by an issue of bonds; same was passed and approved August 25th.

This was intended to cover a new concrete shelter at Summer Street Playground, one at Tufts Park Playground, one at Brooks Playstead and an extension of the present shelter on Morrison Playground.

Preliminary plans for a concere shelter were made and estimates obtained from contractors. These estimates showed the cost of materials and labor had so far advanced that satisfactory shelters as designed could not be completed within the appropriation, and the Commissioners voted to postpone the erection of the shelters until conditions were more favorable or a larger appropriation was available; and it is the intention of the Commission to confer with your Honor regarding their future action.

The Supervisor of Playgrounds report is herewith submitted as a part of the Commission's report and your Honor's attention and that of the Board of Aldermen is requested to the economic expenditure in view of the amount of work accomplished.

A determined effort was made by the Commission during the past season to prevent the ever increasing damage to playground apparatus and to enforce the maintenance of order and decorum on the parks and playgrounds.

Special police were engaged by the Commission to patrol the Parks on July 3rd and July 4th, during the night, with good results. Damage to property increasing later in the month caused the Commission at its meeting in July to request of Mr. Adams, its engineer, a list of damage done to both Parks and Playgrounds during the year, and the report when received was submitted to your Honor and the Chief of Police.

The Chairman subsequently met both your Honor and the Chief of Police at your request to confer as to what action should be taken. It was decided to appoint special police to protect the Parks and Playgrounds, during certain hours of the day and night for the rest of the season, and to ask for an appropriation of \$500.00 to provide for the expense.

The appropriation was made, the officers appointed and the result was most satisfactory. This police protection was continued up to October 9th. The decided advantage of special police giving their whole time and attention to the parks and playgrounds was quite evident from this two months' trial.

Realizing the great improvement, your Commission earnestly requests that the same system of police patrol be continued during the coming year that the citizens may receive proper protection and their property be preserved from needless destruction.

The Bath Houses under the supervision of Henry J. O'Brien were opened Saturday, June 7th, and closed Tuesday, September 2nd.



The bathing on the shore of the Mystic River at Foster's Court has increased greatly since the building of the Bath Houses by the Commission by order of the Board of Aldermen in 1913. The bathing along the river banks during the warmer months of the year has been the assumed right of the people of Medford and their visitors from outside for many years. This right is still as rigorously proclaimed as in the past, in spite of the many restricting laws that have been enacted, regardless of the fact that in lapse of time the territory has become settled and so thickly populated as to make indiscriminate bathing a nuisance and when indulged in without proper clothing, a menace to the City's morals.

The land on which the bath houses were constructed is under the jurisdiction of the Commonwealth represented by its Metropolitan Park Commission, from whom your Commission, upon request, received permission to allow bathing at Foster's Court and the maintaining of bath houses to accommodate the bathing public.

This privilege was granted with the understanding that State assume no responsibility in the matter.

The presumption was that in view of the present conditions the Commonwealth does not consider the water sufficiently free from pollution to permit of general bathing.

The houses of corrugated iron of cheap construction have so deteriorated that while the women's and girls' bath house may still be used for a time, the men and boys' bath house has become so thoroughly dilapidated as to be of little use.

On October 12th the Commission voted to request an appropriation of \$300.00 for repairs; this request coming so late in the season the Board of Aldermen was unable to

grant it. After thorough consideration of the matter by the Commission, it was felt that repairs to the men's and boys' bath house would be a waste of money. Neither of the houses offer a sufficient accommodation for the great number of people who seek the privilege of bathing there during the summer months.

The problem that confronts the Commission and its proper solving is of considerable importance to Medford, so much so that the Commission has decided to request a hearing with your Honor and the Board of Aldermen as to what may be done to insure best results.

Should the Commission undertake the repairing and enlargement of the present bath houses or erect new, better constructed and more commodious buildings?

On April 3rd, Mr. Spinney, Scout Master for this district, appeared before the Commission seeking its co-operation in the planting of trees by the Boy Scouts on Arbor Day.

The Commission voted to assist and provide such trees for planting as was possible and Commissioner Buss was given charge of the work.

This, with such other planting as has been accomplished during the year, is spoken of in detail in Superintendent Adams' report. Trees are much needed on our Public Grounds, and as soon as financial conditions permit the City should appropriate money to supply this long felt want.

The Commission submits for inspection the "Public Commons," "Playgrounds Equipment," "Bath Houses" and "Playground Supervision" Accounts for January 1st to December 31st, 1919.

City of Medford

Park Department—1919

“Public Commons” Account, Jan. 1 to Dec. 31, 1919

Receipts

May 28, Appropriation.....	\$5,000 00	
July 9, Appropriation (special)	500 00	
Nov. 17, Transfers from “Play grounds Account” .....	135 20	
Dec. 10, Credit from School Department for mowing at Swan Junior High School.	30 00	
Dec. 31, Appropriation .....	128 31	
	<hr/>	\$5,793 51

Expenses

Supervision and office expenses	\$ 740 82	
Pay Rolls and Teaming.....	4,127 83	
Repairs and improvement to Parks, Playgrounds and Structures .....	426 67	
Tools Account .....	225 92	
Supplies .....	272 27	\$5,793 51
	<hr/>	<hr/>
Balance .....		\$ 0 00

Playground Equipment

(Bond Issue)

Aug. 25, Appropriation.....	\$3,000 00
None Expended.	

Bath Houses

May 28, Appropriation.....	\$250 00
Care Taker and repairs.....	249 96
	<hr/>
Balance .....	\$ 0 04

## Playgrounds (Supervision)

## Receipts

May 28, Appropriation for Playgrounds Supervision..	\$1,800 00	
Aug. 25, Appropriation for Spe- cial Police .....	500 00	
	<hr/>	\$2,300 00

## Expenses

Services and Materials.....	\$1,781 80	
Special Police, July 30 to Sept. 13 .....	191 00	
Special Police, Sept. 14 to Oct. 4	192 00	
Transfer to "Public Commons"	135 00	\$2,300 00
	<hr/>	<hr/>
Balance .....	\$ 0 00	

On March 3rd, the Commission voted to concur with the Metropolitan Park Board on the conveyance of deed No. 732 Commonwealth of Massachusetts to Town of Winchester of certain land within the Middlesex Fells Reservation.

On May 22nd, the Commission voted to concur with the action of the Metropolitan Park Commission in returning certain land to former owner Charles Elbert Hudson of 713 square feet of land in Medford, Metropolitan Park, Commission's Mystic River Plan No. 738, April, 1919, and the Secretary was directed to notify the Medford Board of Assessors of the Transfer.

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

**Estimates**

**Public Commons, including playgrounds:**

Salaries of Superintendent and Clerk .....	\$ 900 00	
Office Expenses .....	100 00	
Pay Rolls and Teaming....	4,700 00	
Repairs and improvements to Parks, Playgrounds and Structures .....	600 00	
Tools Account .....	200 00	
Supplies .....	300 00	
	<hr/>	\$6,800 00
Bath Houses .....		300 00
Supervision of Playgrounds.....		1,800 00
		<hr/>
Total .....		\$8,900 00

A copy of the report of E. P. Adams, Park Superintendent, is appended as part of this report, and your Honor's attention and that of the Board of Aldermen requested to his statement of the needs of Medford Park and Playgrounds.

Respectfully submitted,

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

Park Commission.

**Report of Superintendent of Parks and Playgrounds**

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Medford, Mass., January 1, 1920.

Hon. Wilton B. Fay,

Chairman Medford Park Commission.

Dear Sir:

I respectfully submit the following report of park and playground work during the year 1919. James E. Mansfield was Supervisor of Playgrounds during July and August, and his report covers the playground activities and supervision during that period.

On January 16 and Feb. 13, I made inspection trips to Medford parks, playgrounds and bath houses. The regular park and playground work began Tuesday, April 1st, with Herbert W. Biggs, foreman, two men and single team. The rapid advance of spring required an increase of the force the following week, and a further increase the latter part of May and the first week in June.

The purchase of a horse roller, long needed on our parks, allowed the proper rolling of the park lawns and playgrounds in the spring. Later in the year a new Pennsylvania horse lawn mower was purchased. The old lawn mower of the same make had done valiant service during more than fifteen years. Two new 16 in. lawn mowers were purchased in the summer.

During the latter part of April and early in May I visited nurseries at Lexington, Bedford and Melrose Highlands to select maple trees, shrubs and evergreens. In co-operation with the Boy Scouts of Medford, five Norway Maples were set out at Summer Street Playground, April 29, and on May 1st at Morrison Playground five Norway Maples

were planted there. All were protected with wire guards and fastened with wire in rubber hose to 2 in. x 4 in. x 10 ft. spruce stakes.

At Tufts Park, Governors Avenue, Magoun Park and Logan Grove, one hundred shrubs were set out. The sixteen evergreens ordered May 12th were not delivered, the season advanced so rapidly.

At Logan Grove a new No. 14-wire hexagonal-netting 5 ft. fence was built around the rhododendron bed. This time the posts were set in cement. The ribbon wire fence at Brooks Park was rebuilt, May 16th.

Two large maple trees given by Kenneth Hutchius of Vernon Street to the Park Department were moved May 20th to places selected at Summer Street Playground. Although the trees were in full leaf and the day very warm, with careful treatment both the trees survived, and furnished good shade throughout the summer season.

Mowing grass was the main part of the work this year. With continued rains throughout the summer, it required all the men and machines available. Not much time nor money was left for other needful maintenance work. It was found by trial that little could be saved by less frequent mowing; for the taller grass required more time to cut. But, in consequence of the abundant moisture, the lawns and playgrounds never looked better. The rolling in the spring also made smoother lawns.

Summer pruning and spraying suffered. More of this work will be required the coming year. In June, Tussock moths appeared in Tufts Park Playground. By quick and vigorous work with creosote they were checked.

At Tufts Park Playground the most urgent call was for the removal of a large willow tree in center field. This was the first undertaking. The tree was quickly cut down,

chopped into short lengths and removed, but the removal of the stump which extended about eight feet into the ground was not as easily accomplished. After much delay, nine holes were bored about three feet deep into the stump; and it was then blown up with dynamite by Mr. Gaffey.

Six oak park seats, three along each of the side lines, were built and set while the willow tree was being cut down. As three of these were in the football field, it was the intention to remove them October 1st when the football season began. But the field was not ready for play when that time arrived, for the additional appropriation needed and asked for was not granted.

It was decided not to disturb the diamond until the close of the baseball season; but good sand and loam needed were teamed to the side of the playground in August. The removal and screening of cinders began September 24th, the sand and cinder dust spread in layers to grades set, and the sewer manhole cover was lowered to the new grade. But before the whole surface could be properly rolled all park and playground work stopped on October 11th. It is the intention to finish this grading and rolling as soon as the weather will allow proper work in the spring and to make other improvements then. The growth of grass will be necessarily slow.

Henry J. O'Brien, in charge of the Bath Houses, was away on jury duty part of the month of June but provided a substitute. Alden Hayden repaired the women's and girls' bath house. The damage to the men's and boys' bath house was so great, principally from innumerable bullet holes, that the repairing, which would require several new corrugated iron plates and a new lock, was indefinitely postponed. An additional appropriation will be needed. To reduce further damage a floor should be laid in the men's and boys' bath house.



The boys that bathe at this place built a good spring board on the beach; and several additional loads of sand were spread there by teams from the Highway Department.

The women's and girls' bath house was repaired and closed September 2, 1919; but the men's and boys' bath house was so badly damaged, being without a floor, that there were not sufficient funds in the Bath House Appropriation to make the needed repairs and properly fasten the building for the winter.

As an indication of the popularity of the bathing at Foster Court bath houses, the record of attendance, kept and reported weekly by Caretaker O'Brien, is appended as a part of this report. As the expense this year for each bather was less than one cent, a larger bath house appropriation to improve the bathing facilities would seem reasonable and wise. Proper decency requires that the men's and boys' bath house should be fit to use, and not oblige them to undress outside as is now the case.

The first week in September the flag pole on Medford Common and the one at Hastings Heights were repainted. On September 8th at 10.30 P. M. at the end of a severe thunder shower the flag pole at Hastings Heights was struck by lightning and badly damaged, but not broken. The transfer on November 17th of the balance remaining in the "Playgrounds" appropriation to "Public Commons," allowed the payment of repairs to the flag pole.

The last week in October and the first week in December the playground apparatus and remaining goal posts were taken to the park store house in the City Yard and stored for the winter.

There have been several calls for lawn tennis grounds—properly graded courts—especially at the Playstead. Many cities have as many tennis courts as base ball diamonds. Medford should at least begin to have tennis courts in the largest playgrounds.

I recommend all-the-year care of the parks and playgrounds by the park department, with only two men during the winter months, including proper spraying and pruning and moth destruction at the right times, more fertilizer and loam, gradual replacement of broken and dying trees and shrubs, and more frequent cleaning and repairing.

It will take a larger appropriation to accomplish this, but I am sure the improved care of the parks would be a paying investment for the City of Medford. I advise also the continuous employment of two special park police.

I want to thank the Chairman and the members of the Park Commission, His Honor the Mayor, the President of the Board of Aldermen, and the other department heads, as well as Mr. Reed, Mr. Mansfield and each faithful laborer on the parks and playgrounds, for their friendly co-operation.

Respectfully submitted,

EDWARD P. ADAMS,

Superintendent of Parks and Playpairs.

REPORT OF PARK COMMISSIONERS

351

CITY OF MEDFORD, FOSTER COURT BATH HOUSES,  
ATTENDANCE

From the Reports of Henry J. O'Brien, Caretaker, 1919

Date	Day	Women	Girls	Men	Boys	Totals	
June 1919							
6	Fri.	25	100	50	150	325	
7	Sat.	25	75	50	125	275	
8	Sun.	50	150	75	200	475	
9		25	75	30	100	230	
10		20	50	25	75	170	
11		25	75	25	90	215	
12		25	100	50	150	325	
13		25	60	25	75	185	
14		25	75	50	100	250	
15	Sun.	25	75	50	150	300	
16		25	60	25	75	185	
17		25	75	25	100	225	
18		30	75	25	100	230	
19		25	60	25	75	185	
20		25	75	30	100	230	
21		25	100	50	150	325	
22	Sun.	75	125	75	200	475	
23		25	75	30	90	220	
24		25	80	30	100	235	
25		25	75	25	100	225	
26		30	100	50	150	330	
27		30	90	45	125	290	
28		25	200	40	150	415	
29	Sun.	10	60	25	75	170	
30		30	150	50	200	430	6920
July							
1	Tues.	40	200	60	250	550	
2	Wed.	35	200	50	250	535	
3	Thu.	25	100	50	125	300	
4		50	150	100	200	500	
5		60	250	75	300	685	
6	Sun.	25	125	30	150	330	
7		25	75	25	100	225	
8		10	40	10	50	110	
9		5	20	5	25	55	
10		5	25	10	30	70	
11		5	30	10	40	85	
12		20	75	25	100	220	
13	Sun.	40	150	75	250	515	
14		50	150	50	200	450	
15		30	125	25	150	330	
16		20	120	25	150	315	
17		40	200	25	250	515	
18		45	225	40	275	585	
19		40	225	50	250	565	
20	Sun.	50	275	75	300	700	

## FOSTER COURT BATH HOUSES, ATTENDANCE—(Continued)

Date	Day	Women	Girls	Men	Boys	Totals	
<b>July</b>							
21	Mon.	25	200	35	250	510	
22		10	75	15	125	225	
23		10	30	10	40	90	
24		25	150	40	200	415	
25		40	175	50	225	490	
26		40	160	50	200	450	
27	Sun.	50	250	75	350	725	
28		50	150	50	200	450	
29		25	125	30	150	330	
30		25	150	40	175	390	
31		30	175	40	200	445	12160
<b>August</b>							
1	Fri.	40	200	50	225	515	
2	Sat.	30	175	40	200	445	
3	Sun.	30	150	50	250	480	
4		25	125	40	200	390	
5		30	175	50	225	480	
6		20	100	25	125	270	
7		25	125	30	150	330	
8		30	175	50	200	455	
9		10	100	15	125	250	
10	Sun.	50	175	60	200	485	
11		30	150	50	175	405	
12		35	200	40	175	450	
13		25	100	35	125	285	
14		5	25	10	40	80	
15		5	30	10	50	95	
16		30	175	45	200	450	
17	Sun.	30	125	40	150	345	
18		5	20	5	25	55	
19		10	40	10	50	110	
20		30	125	30	150	335	
21		30	150	40	175	395	
22		25	125	30	150	330	
23		30	150	40	200	420	
24	Sun.	40	175	50	200	465	
25		10	50	10	75	145	
26		20	75	25	100	220	
27		5	20	5	30	60	
28		30	125	40	150	345	
29		20	150	25	175	370	
30		5	25	5	30	65	
31	Sun.	15	50	20	75	160	9685
<b>September</b>							
1	Mon.	10	40	20	80	150	150
							28915

**Second Annual Report**  
**Department of Playground Supervision**  
**City of Medford**

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To the Board of Park Commissioners,  
City of Medford, Massachusetts.

Gentlemen: I hereby present the second annual report of the Supervisor of Playgrounds in relation to the work accomplished by the supervisor and instructors at the parks of the City of Medford for the season of 1919.

Prior to the opening of the playgrounds, the Supervisor made approximate estimation of cost of apparatus and athletic equipment needed for the season's work and was given authority by the Board of Park Commissioners to purchase same. The Supervisor was also given authority to engage instructors. Immediately preceding the opening, the equipment boxes were repaired and placed at the different playgrounds, sand furnished for sand boxes and several other repairs made in the seats, swings, slides, etc. Additional equipment was erected as follows: Basketball goals at the Playstead and Tufts Park and Volley Ball posts at Summer Street, Morrison and Tufts Park. At Summer Street shade trees were set out which in a few years will give considerable shelter from the sun.

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

Miss Beth Weston, Medford, Supervisor of girls' and smaller children's work.

**Tufts Park**

Miss Marion Briggs, Medford, Mass.  
 Charles Donnellan, Medford, Mass.

**Morrison Park**

Miss Dorothea Cunningham, Medford, Mass., to  
 Aug. 4.  
 Miss Alice Kelley, Medford, Mass., Aug. 4th on.  
 Raymond Tobey, Medford, Mass.

**Brooks Playstead**

Miss Katherine Evans, Medford, Mass., to July 7th.  
 Miss Louise Anderson, Medford, Mass., July 7th on.  
 Philip Towle, Medford, Mass.

**Summer Street**

Miss Beth Weston (3 days per week) Medford,  
 Mass.  
 Arthur Johnson, Medford, Mass.

The season opened on Tuesday, July 1st, and closed on  
 Saturday, August 30th.

**Tufts Park**

The problem presented at Tufts Park was carried on in a very satisfactory manner. Miss Briggs proved herself a very able instructor and was exceptionally well liked by the children. Her work was of the highest order. Mr. Donnellan, in charge of the boys, should also be highly commended. His baseball teams, both Senior and Junior, were the Champion teams of the City Playgrounds. The postponed Field Day was held at this park on Friday, August 29th, and a pleasant afternoon of sports was carried out. The children of the home playgrounds won first honors in total points scored, defeating the teams from the other playgrounds by a comfortable margin.

The Supervisor recommends that a drinking fountain be installed, to be located centrally on the grounds. This

is the only playground without a fountain. He also highly approves of the resurfacing of the baseball diamond, which work is now under way.

### **Morrison Park**

A large number of children were present at the beginning of the season and, through the influence of the instructors, an increase in numbers and interest continued throughout the season. Miss Cunningham and her successor, Miss Kelley, carried on the work here most satisfactorily, and their efforts have been greatly appreciated. Mr. Tobey did a remarkable piece of work with the boys and an unusual interest was shown in their games.

A Field Day was held at this park on August 19th with large attendance from the other parks. The children of the home playgrounds won handily over their opponents in total points scored for the day.

The Supervisor recommends the building of another shelter at this park, as practically no shade is accessible on hot days. A few large shade trees, as those set out at Summer Street, would improve the situation.

### **Summer Street**

The Summer Street Playground was in charge of Miss Weston and Mr. Johnson, the former spending but three days per week there. Miss Weston proved herself a very capable instructor and kept interest at a high pitch. Mr. Johnson's work was also very satisfactory and things moved along smoothly.

The first Field Day was held here on July 18th. Games and running races were held and the children seemed to enjoy it very much despite the hot weather of that day. At the close, the children and instructors were pleasantly treated to ice cream by Herman L. Buss.

The Supervisor recommends the resurfacing of the baseball diamond, as at present it is quite unsatisfactory. He also recommends the building of a large shelter. He believes that a woman instructor should be at this Playground every day, as then this would be of much more benefit to the small children.

### Brooks Playstead

As at the other playgrounds, the work was carried on here most encouragingly. Miss Anderson had charge of the girls and did very well. Mr. Towle's work was highly efficient and that it was appreciated was shown by the interest shown by the boys of the park.

The Field Day was held on August 28th with very large attendance. Sports of all kinds were held for the boys and races and folk dancing for the girls. The children of Morrison Park carried off the honors, winning, in points scored, from the other playground teams.

The Supervisor recommends a change in the location of the Basket Ball Court to a position directly back of the present backstop. The present location seems somewhat out of the way and did not appeal to the children.



Report of Supervisor of Girls' and Smaller Children's  
work:

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Mr. James E. Mansfield,  
Supervisor of Playgrounds,  
Medford, Mass.

Dear Sir:

The summer's work on the Medford Playground has been most enjoyable, the interest, in spite of poor weather, increasing as the weeks passed. After investigating, the attendance of the playgrounds compares most favorably.

The rough element at Tufts Park has been well handled by Miss Briggs, who deserves a great deal of commendation for her untiring efforts.

The attendance at the Morrison Park has increased over last year, and both Miss Cunningham and Miss Kelley are well liked by the children.

The attendance at the Playstead, while somewhat of a disappointment, has not been the fault of the teacher, Miss Anderson, but owing to the fact that most of the children leave the city for a part of the summer.

The attendance at the Summer Street Playground has been steady, showing an increase toward the end of the season. Children from this playground have shown a great interest in swimming, having had instructions twice at Mystic Lakes. So great was their desire to learn, that sixteen children went by themselves one afternoon, and lesser groups have also gone several times. Three girls can now swim. It is to be hoped that next year all the playgrounds may have regular days for swimming lessons.

A pleasing interest was shown in the dancing at the Summer Street and Playstead Playgrounds, even the older girls enjoying such simple dances as "Hickory Dickory Dock" and "Little Boy Blue."

Volley Ball was introduced early in the season, the older children enjoying it more than the younger ones. Much pleasure was taken in playing croquet, dominoes and checkers.

The inter-playground meets have been educational and beneficial to all those who attended, the poorer element coming in contact with the better element, the attendance, interest and good sportsmanship increasing.

For another year I would suggest that in addition to the inter-playground meets, a large field day be held in some place like the Fulton Street ball grounds. The events of the day might include a costume parade, music, special features from each playground, etc. Blue ribbons may be given as prizes. A playground tag day might be held to raise money for the affair.

BETH A. WESTON,

Assistant Supervisor of the Medford Playgrounds.

**Games and Dances used on the Medford Playgrounds  
during the summer of 1919**

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**Ball Games**

Bat Ball	Heminway Ball
Dodge Ball	Wander Ball
Kick Over Ball	Pass Ball
Straddle Ball	Baseball
Guess Ball	Volley Ball

**Tag Games**

Japanese Tag	Cross Tag
Shadow Tag	Hang Tag
Squat Tag	Partner Tag
Circle Ball Tag	

**Circle Games**

Johnny	Pop Goes the Weasel	Jacob and Rachel
Beater goes around	Bull in the Ring	Blind Man's Buff
Garden Scamp	Cat and Mouse	Lovely Princess
Three Deep	Mulberry Bush	Go in and Out the Window

**Miscellaneous Games**

Clap Three	Beater Goes Around	I Say Stoop
Look out for the Bears	Prisoners' Base	Knuckle
Stealing Sticks	Poor Pussy	Has Anybody Seen my Sheep
Skin and Snake	Giant Steps	Duck on the Rock
Hide and Seek	Stone Relay	Hill Dill
Crossing the Brook	Ball Relay	Teacher
Moving Statues	Hopping Relay	Birds Have Feathers
Six Feet Away	Potato Race	
Leap Frog	Who's got the Button	
Pies	Good Morning Teezer	
Prince of Paris	London Bridge	
Black and White		

**Folk Dances and Singing Games**

Pop goes the Weasel	Clapping One-Step
Shoemaker's Dance	Sweet Little Buttercup
Norwegian Mountain March	Hickory, Dickory Dock
Jolly is the Miller	Little Boy Blue
Did you ever see a Lassie	Little Miss Muffet
Oats, Peas, Beans and Barley	Little Jack Horner
Clap, Clap, Bow	Mistress Mary
Blue Bird	Farmer in the Dell

## Quiet Games

I see something that begins with A  
 Quaker Meeting  
 Buzz  
 Lobby Loo  
 Muffin Man  
 Hallo  
 I packed my trunk for Chicago  
 Bird, Beast or Fish  
 Black Magic  
 Truth  
 Scissors  
 Quoits  
 Checkers  
 Dominoes  
 Ring Toss

The Supervisor believes the season, as a whole, was a successful one. The Field Days were well attended and helped greatly to increase interest. In another year they could be carried on in a more elaborate manner and a final Gala Day held as suggested by the Assistant Supervisor.

The Baseball series between the teams of the Playgrounds was also a source of much interest and should be continued. He suggests the awarding of some sort of prizes to the winners of the athletic events next season. This would tend to incite still greater interest.

The Supervisor wishes to express to the Board of Park Commissioners, Superintendent Adams and Mr. Reed his appreciation of the co-operation and aid they have given him during the past summer; also the press for the space given in recording the work on the Playgrounds.

Respectfully submitted,

(Signed) JAMES E. MANSFIELD,

Supervisor of Playgrounds,  
 City of Medford, Massachusetts.

October 17, 1919.

MEDFORD PLAYGROUNDS, SEASON OF NINETEEN NINETEEN

TABLE I. Weekly and Total Attendance

	JULY					AUGUST				Total
	1	7	14	21	28	4	11	18	25	
Tufts .....	565	897	1052	785	1499	1250	966	1428	1260	9,702
Morrison ...	526	839	626	589	748	630	780	1348	552	6,647
Playstead ..	328	493	481	516	686	674	659	657	1252	5,746
Summer St.	358	637	1220	405	665	638	665	605	648	5,841
	<u>1777</u>	<u>2866</u>	<u>3370</u>	<u>2295</u>	<u>3598</u>	<u>3192</u>	<u>3079</u>	<u>4038</u>	<u>3712</u>	<u>27,936</u>

TABLE II. Attendance of Boys.

	JULY					AUGUST				Total
	1	7	14	21	28	4	11	18	25	
Tufts .....	255	445	485	370	730	610	470	695	628	4,688
Morrison ...	312	456	358	358	443	408	538	787	309	3,969
Playstead ..	178	267	267	251	367	342	342	387	640	3,041
Summer St.	175	314	565	230	335	328	350	315	332	2,944
	<u>920</u>	<u>1482</u>	<u>1675</u>	<u>1209</u>	<u>1875</u>	<u>1688</u>	<u>1700</u>	<u>2184</u>	<u>1909</u>	<u>14,642</u>

MEDFORD PLAYGROUNDS, SEASON OF NINETEEN NINETEEN—(Continued)

TABLE III. Attendance of Girls and Smaller Children

	JULY					AUGUST					Total
	1	7	14	21	28	4	11	18	25		
Tufts .....	310	452	567	415	769	640	496	733	632	5,014	
Morrison ...	214	383	268	231	305	222	251	561	243	2,678	
Playstead ..	150	226	214	265	319	332	317	270	612	2,705	
Summer St.	183	323	655	175	330	310	315	290	316	2,897	
	<u>856</u>	<u>1384</u>	<u>1704</u>	<u>1086</u>	<u>1723</u>	<u>1504</u>	<u>1371</u>	<u>1854</u>	<u>1803</u>	<u>13,294</u>	

Cost of attendance of each child per session:

\$1800

27,936 equals \$0.0644

Respectfully submitted,

(Signed) JAMES E. MANSFIELD,

Supervisor.

# Report of the Trustees of Public Library

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Medford, April 22, 1920.

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

Sir: The Trustees of the Public Library herewith submit their annual report. The work of the library during the past year shows a gratifying increase in public interest.

The severest handicap has been the difficulty in maintaining the personnel due to the inadequacy of the salaries we have been able to afford.

In comparison with other libraries of the same size and serving similar municipalities, it will be found that our cost of administration and maintenance is extremely low, especially when our varied activities are considered and the constantly increasing manner in which we are able to supplement school work.

It is altogether probable that it will be necessary to devote a certain portion of our funds for increasing shelf capacity, as our stacks are already crowded to the limit.

The glass floor in the stack room should be enlarged as originally planned, and this would give considerable relief.

As pointed out in previous reports, the wooden part of the main building and the annex were built for dwellings and have almost outgrown their usefulness for library purposes, and the time is fast approaching when the subject

of safer and more permanent quarters must be considered for our valuable collection of books, portraits and historical matter. It will be indeed a fortunate day for Medford if some public spirited man will appreciate the opportunity to serve his fellow citizens by donating a building for library purposes.

In conclusion, we again emphasize the importance of the library among the city institutions, and beg for it the same careful and considerate attention from city officials which it has been favored with in the past.

We submit herewith the report of the librarian.

### REPORT OF THE LIBRARIAN

To the Trustees of the Medford Public Library.

Gentlemen: The sixty-fourth report of the Medford Public Library is herewith submitted. The library was open 316 days in the main building and 301 days in the Children's building in 1919. While our total circulation of books, 91,126, shows a marked increase over that of last year, it was not until November that anything like pre-war activities became noticeable. In the months of November and December, 5,470 more books were issued than in the corresponding months of 1918. Reference work increased in the same ratio. The cessation of many of the auxiliary war duties and the return of our soldiers began to show their effect upon our work towards the close of the year. The demand for books on commercial and technical subjects is very great.

From November, 1918, to March, 1919, and again in November of this year we were without sufficient help at the Delivery Desk. In March, Miss Dorothea K. Wetherell was appointed by your Board head of the Circulating Department. Her zeal and marked fitness for the work con-



firm the wisdom of the appointment. November 15 Miss Rena M. Greenwood was appointed her assistant at the desk, to fill the place vacated by Miss Ruth Swett, who was attracted by higher pay to the Somerville Public Library. An insufficient force must always prove detrimental to the best interests of the library. In spite of the patience and sympathy of most of our patrons, much that should be done was perforce left undone. It is in the accumulation of work and increased hours for the library staff rather than in service to the public that this is most noticeable. Grumblers, like the poor, we have always with us. It is a conspicuous fact, however, that the majority of complaints come from those who do nothing for their library and little for their city, while those who take pride in the institution, make no unreasonable demands, and help by their encouragement and gifts to make the library a success.

The condition of the stacks for lack of book room is becoming daily more desperate. Every book in the stack room was moved last year to gain a few feet of space, and every book in the same department has been moved again this year. It is no easy task to annually move 35,000 volumes. The floor is now the only available space to put the less frequently called for books which are withdrawn. We recommend the above fact to the attention of those who consider library work light and easy.

Work with the High School has been extended to the Commercial Department. At the request of Mr. Johnson, the instructor, a deposit of business books was made, subject to recall if needed by the general public. A gratifying demonstration of the cooperation between the school and the library was given in the winter. A class in English was brought to the library by Miss Lane of the English Department, for an illustrated talk on American authors. This was given in the hall of the Children's Building, and parents of the children taking part were invited. Screen and

pictures were furnished by the library; each child had some part of the program assigned him; this inspired a greater interest in the lives and work of American authors and a wider reading of the books which the library could supply. This was intended to be the first of a series of similar programs. The call of Miss Lane to a higher position elsewhere, however, prevented their continuance.

The usual exhibits to which our membership to the Library Art Club entitles us have been supplemented by selections from our own growing collection. Something of interest has been kept constantly upon the walls of the entrance hall. The display of books in November during Children's Week proved a great attraction. This was followed in December by the annual exhibition of books suitable for Christmas gifts.

We have had requests from the Boy Scouts, the Child Welfare Association and the Teachers' Association to have cases set apart for books especially adapted to each of these units. Having no space for extra cases, the most we are able to do is to assign a few shelves to each.

The geographical situation of Medford, located as it is on both sides of the Mystic River, makes the library singularly inaccessible to the most thickly settled parts of our city. Our experience with a branch library at Wellington was a failure because we were dependent upon untrained custodians as much as on account of the unsuitability of the room. I should like to see a branch library located at South Medford, in charge of a regular member of our staff, in some light, airy, and attractive room. Thickly settled as that section of the city is, there is need to carry our books to a class of our citizens who are prevented from coming to the library either on account of long hours in the city or the erratic car service to which we have been subjected this winter.

### Gifts

We are glad to have upon our walls a portrait of the late General Samuel C. Lawrence, for so many years a Trustee of the Public Library. For this we are indebted to Mrs. Samuel C. Lawrence, as also for a portrait of George Washington and a large collection of foreign photographs. Mrs. James E. Cleaves, on leaving the city, sent us about one hundred books, and Mrs. George J. Porter gave us a number of foreign books and curios. From Mrs. Edward N. Hallowell and her daughter we have received fifty books and many Italian photographs formerly belonging to Mrs. Francis Alexander and her daughter, Miss Frances Alexander (Francesca), of Florence, Italy. A large photograph of a dog, "Max," well known to all West Medford children, was given to the Children's Building by Mrs. Leon R. Bigelow. To the Reading Room the following periodicals have been contributed: The Auk by Mrs. Edmund Bridge, of West Medford; Harvard Graduates' Magazine and early volumes of the Nation by Mr. Rosewell B. Lawrence, Daughters of the American Revolution by the Sarah Bradlee Fulton Chapter of the Daughters of the Revolution, Current affairs and Technology Review by the chairman of your board, Mr. Ernest B. Moore.

### Work

2,324 books were added to the library in 1919, 14 were lost and 189 discarded. 1,329 new registrations were received and 241 re-registrations. 1,344 overdue notices were sent, 311 reserve cards and 28 acknowledgement cards written. 752 books were prepared for binding but on account of the railroad strike could not be sent. In consequence a much larger number of books than usual will need re-binding in the coming year. 17,321 books have been covered, 2,488 repaired and 167 cleansed. Tabulated statistics follow:

**Medford Public Library.****Free for lending and reference.**

Agencies .....			4
Days open during the year (Main building) .....			316
Days open during the year (Children's building) .....			301
	<b>Adults</b>	<b>Children</b>	<b>Total</b>
Number of volumes at beginning of year...	45,494	8,999	54,493
Added by purchase .....	1,526	455	1,981
Added by gift .....	175		175
Added from the Reading Room .....	168		168
	<hr/>	<hr/>	<hr/>
	47,363	9,454	56,817
Discarded and lost .....			203
			<hr/>
Total number at the end of the year .....			56,614

**Additions to the Library by Purchase**

General Works .....	19
Philosophy and Religion .....	38
Biography .....	119
History .....	179
Description and Travel .....	75
Social Sciences .....	225
Natural Sciences .....	124
Useful Arts .....	138
Recreative and Fine Arts.....	101
Language and Literature.....	330
Fiction .....	633
	<hr/>
	1,981

Respectfully submitted,

A. L. Sargent, Librarian.

We recommend an appropriation of \$14,695.00 for the support of the Library for the coming year.

ERNEST B. MOORE,

ALAN A. CLAFLIN,

EDWARD M. BARNEY,

Trustees of the Public Library.

# Report of the City Collector

Medford, Mass., January 1, 1920.

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, 1919:

## Taxes of 1919

Total of Warrants .....	\$1,054,805	27	
Refund .....	14	70	
Reassessed .....	24	99	
Collected and paid Treasurer .			\$707,829 14
Abated .....			2,144 73
Uncollected January 1, 1920 ..			344,871 09
			<hr/>
	\$1,054,844	96	\$1,054,844 96

## Taxes of 1918

Uncollected January 1, 1919...	\$289,819	25	
Refund .....	2	26	
Reassessed .....	13	56	
Collected and paid Treasurer.			\$208,654 63
Abated .....			856 54
Uncollected January 1, 1920 ..			80,323 90
			<hr/>
	\$289,835	07	\$289,835 07

**Taxes of 1917**

Uncollected January 1, 1919...	\$85,802 42	
Reassessed .....	13 91	
Erroneous Credit .....	19 07	
Refund .....	6 42	
Collected and paid Treasurer..		\$81,742 07
Abated .....		35 31
Uncollected January 1, 1920...		4,064 44
	<hr/>	<hr/>
	\$85,841 82	\$85,841 82

**Taxes of 1916**

Uncollected January 1, 1919...	\$ 179 67	
Collected and paid Treasurer..		\$ 159 16
Abated .....		97 02
Collections after abatement...	76 51	
	<hr/>	<hr/>
	\$ 256 18	\$ 256 18

**December Taxes 1919**

Warrant .....	\$ 45 57	
Collected and paid Treasurer..		\$ 5 88
Uncollected January 1, 1920..		39 69
	<hr/>	<hr/>
	\$ 45 57	\$ 45 57

**December Taxes 1918**

Uncollected January 1, 1919...	\$ 65 54	
Collected and paid Treasurer..		\$ 42 94
Uncollected January 1, 1920...		22 60
	<hr/>	<hr/>
	\$ 65 54	\$ 65 54

**December Taxes 1917**

Uncollected January 1, 1919...	\$341 33	
Collected and paid Treasurer..		\$ 1 07
Abated .....		119 84
Uncollected January 1, 1920...		220 42
	<hr/>	<hr/>
	\$341 33	\$341 33

**Street Watering Assessments**

Uncollected January 1, 1919...	\$10,152 24	
Warrant for 1919.....	16,702 06	
Collected 1919 Account .....		\$11,741 09
Collected 1918 Account .....		5,775 65
Collected 1917 Account .....		1,847 48
Collected 1916 Account .....		4 24
Abated 1916 Account .....		64 08
Uncollected January 1, 1920...		7,421 76
	<hr/>	<hr/>
	\$26,854 30	\$26,854 30

**Gypsy and Brown-Tail Moth Assessments**

Uncollected January 1, 1919...	\$162 02	
Collected 1917 Account .....		\$161 70
Uncollected January 1, 1920...		32
	<hr/>	<hr/>
	\$162 02	\$162 02

**Mosquito Assessment 1913**

Uncollected January 1, 1919..	\$3,481 72	
Uncollected January 1, 1920...		\$3,481 72
	<hr/>	<hr/>
	\$3,481 72	\$3,481 72

**Sewer Assessments**

Uncollected January 1, 1919...	\$3,285 66	
Schedules 145 & 146 committed	1,982 88	
Reassessed .....	75 29	
Refund .....	36 46	
Apportioned .....		\$ 183 48
Collected and paid Treasurer..		1,752 68
Abated .....		78 48
Uncollected January 1, 1920...		3,365 65
	<hr/>	<hr/>
	\$5,380 29	\$5,380 29

**Sewer Apportionments**

Uncollected January 1, 1919...	\$1,111 01	
Warrants for 1919 .....	976 44	
Apportionments paid in ad- vance .....	199 42	
Refund .....	10 48	
Apportionments collected and paid Treasurer .....		\$1,381 01
Apportionments paid in ad- vance and paid Treasurer.		199 42
Uncollected January 1, 1920...		716 92
	<hr/>	<hr/>
	\$2,297 35	\$2,297 35

**Sewer Connections**

Uncollected January 1, 1919...	\$ 637 60	
Schedules 144-149 inclusive committed .....	7,298 06	
Sewer connection paid in ad- vance 1918 previous to commitment of schedule No. 144 .....		\$ 99 69



REPORT OF CITY COLLECTOR

373

Added to 1919 taxes.....		\$ 955 96
Apportioned .....		2,402 60
Collected and paid Treasurer..		1,910 66
Uncollected January 1, 1920...		2,566 75
	<hr/>	<hr/>
	\$7,935 66	\$7,935 66

**Sewer Connection Apportionments**

Uncollected January 1, 1919...	\$ 642 04	
Warrant for 1919 .....	1,229 40	
Refund .....	14 38	
Apportionments paid in advance .....	218 32	
Apportionments collected and paid Treasurer .....		\$1,444 16
Apportionments paid in advance and paid Treasurer.		218 32
Uncollected January 1, 1920...		441 66
	<hr/>	<hr/>
	\$2,104 14	\$2,104 14

**Sewer Connections Added to Taxes**

Uncollected January 1, 1919...	\$2,680 32	
Warrant .....	955 96	
Refund .....	24 10	
Sewer connections added to Taxes erroneously credited to sidewalk apportionments 1917 .....		\$ 27 00
Collected and paid Treasurer..		2,699 40
Uncollected January 1, 1920...		933 98
	<hr/>	<hr/>
	\$3,660 38	\$3,660 38

## REPORT OF CITY COLLECTOR

## Sewer Construction—Special

Unsettled January 1, 1919....	\$ 2 28	
Committed during 1919 .....	18 32	
Collected and paid Treasurer..		\$ 18 32
Unsettled January 1, 1920....		2 28
	<hr/>	<hr/>
	\$ 20 60	\$ 20 60

## Sidewalk Assessments

Uncollected January 1, 1919...	\$ 3,930 48	
Committed during 1919 .....	23,795 81	
Apportioned .....		\$ 6,410 09
Abated .....		147 71
Collected and paid Treasurer..		14,513 23
Uncollected January 1, 1920...		6,655 26
	<hr/>	<hr/>
	\$27,726 29	\$27,726 29

## Sidewalk Apportionments

Uncollected January 1, 1919...	\$1,526 06	
Warrant for 1919 .....	3,515 31	
Erroneous Credit .....	27 00	
Apportionments paid in advance .....	207 93	
Apportionments collected and paid Treasurer .....		\$3,054 63
Apportionments paid in advance, collected and paid Treasurer		207 93
Uncollected January 1, 1920...		2,013 74
	<hr/>	<hr/>
	\$5,276 30	\$5,276 30

**Sidewalk Applications**

Unsettled January 1, 1919....	\$1,299 38	
Committed during 1919 .....	1,366 08	
Collected and paid Treasurer..		\$2,530 68
Unsettled January 1, 1920 ....		134 78
	<hr/>	<hr/>
	\$2,665 46	\$2,665 46

**Betterment Assessments**

Uncollected January 1, 1919..	\$13,242 89	
Unsettled reassessments .....	2,063 83	
Committed during 1919 .....	16,409 97	
Reassessed .....	1,249 44	
Apportioned .....		\$1,813 85
Abated .....		1,564 85
Collected and paid Treasurer..		17,540 13
Uncollected January 1, 1920...		12,047 30
	<hr/>	<hr/>
	\$32,966 13	\$32,966 13

**Betterment Apportionments**

Uncollected January 1, 1919...	\$ 967 12	
Warrant for 1919 .....	2,209 56	
Apportionments paid in ad- vance .....	795 14	
B e t t e r m e n t apportionment 1917 erroneously credited to Real Estate Tax 1917..		\$ 19 07
Apportionments collected and paid Treasurer .....		1,727 40
Apportionments paid in ad- vance collected and paid Treasurer .....		795 14
Uncollected January 1, 1920..		1,430 21
	<hr/>	<hr/>
	\$3,971 82	\$3,971 82

**Water Connections**

Unsettled January 1, 1919 . . . .	\$ 2,031 62	
Committed during 1919 . . . . .	6,480 47	
Collected and paid Treasurer..		\$ 4,405 64
Unsettled January 1, 1920 . . . .		4,106 45
	<hr/>	<hr/>
	\$ 8,512 09	\$8,512 09

**Water Service**

Collected during 1919 . . . . .	\$100,267 10	
Paid Treasurer . . . . .		\$100,267 10
	<hr/>	<hr/>
	\$100,267 10	\$100,267 10

**Care of Cemeteries (Oak Grove)**

Collected during 1919 . . . . .	\$ 1,497 96	
Paid Treasurer . . . . .		\$ 1,497 96
	<hr/>	<hr/>
	\$ 1,497 96	1,497 96

**Costs and Fees**

Taxes of 1916 . . . . .	\$ 12 35	
Taxes of 1917 . . . . .	1,808 45	
Taxes of 1918 . . . . .	955 45	
Taxes of 1919 . . . . .	176 00	
Betterment Assessments . . . . .	60 50	
Sewer Assessments . . . . .	92 00	
Sidewalk Assessments . . . . .	168 00	
Paid Treasurer . . . . .		\$ 3,272 75
	<hr/>	<hr/>
	\$ 3,272 75	\$3,272 75

## Miscellaneous Collections Credited to:

Armory .....	\$ 900 00
Auditing Dept. Expenses .....	5 00
Board of Survey .....	60 00
Care of Cemeteries (Oak Grove)	1,655 50
City Home .....	925 13
Collection of Ashes .....	499 92
Collection House Offal .....	3,879 17
Contagious Diseases .....	89 21
Electrical Dept. Expenses .....	21 94
Engineering Dept. Expenses...	3,950 06
Estates bought at Sale for Taxes .....	223 78
Evening School .....	5 29
Excess and Deficiency.....	4 00
Fire and Police Signals .....	127 53
Food Production and Conserva- tion .....	13 07
Fuel Administration Expenses.	45 60
General Expenses--School Dept.	1,649 75
General Repairs of Highways.	1,280 05
Guide Boards and Street Signs	9 50
Income from Trust Funds ....	708 70
Insurance .....	248 00
Interest .....	811 49
Junior High Schoolhouse .....	102 12
Medford Purchasing Dept. Ex- penses .....	28 53
Miscellaneous Credits .....	7,801 89
Ordinary Expenses—Fire Dept.	55 50
Outside Relief .....	4,478 66
Public Commons .....	221 00
Public Library .....	716 42
Reception, Entertainment and Care of Medford Soldiers, Sailors and Marines .....	23 40

Salaries of Firemen .....	\$ 92	
Salaries of Teachers .....	2 50	
School Dept.—Repairs .....	10 00	
Sewer Construction .....	114 67	
Sewer Maintenance .....	11 23	
Sidewalks and Edgestones ...	548 15	
Soldiers' Relief .....	82 00	
Special Police, etc. ....	196 00	
State Aid .....	402 27	
Stewardship .....	324 94	
Surface Drains .....	6 08	
Trees .....	45 42	
Whitmore Brook .....	409 12	
Paid Treasurer .....		\$32,693 51
	<hr/>	<hr/>
	\$32,693 51	\$32,693 51

#### Interest

Taxes of 1916 .....	\$ 6 41
Taxes of 1917 .....	7,712 73
Poll Taxes of 1918 .....	125 01
Taxes of 1918 .....	7,512 24
Poll Taxes of 1919 .....	22 80
Taxes of 1919 .....	931 56
Sewer Assessments .....	105 46
Sewer Apportionments— paid in advance .....	22 36
Sewer Connections .....	19 72
Sewer Connection Apportion- ments paid in advance....	28 78
Sidewalk Assessments .....	324 28
Sidewalk Apportionments paid in advance .....	9 89
Betterment Assessments .....	552 71

REPORT OF CITY COLLECTOR

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Betterment Apportionments		
paid in advance.....	\$ 51 03	
Refunded .....	1 55	
Paid Treasurer .....		\$17,426 53
	<hr/>	<hr/>
	\$17,426 53	\$17,426 53

**Accrued Interest on Sewer Apportionments**

Uncollected January 1, 1919..	\$ 147 40	
Warrant for 1919 .....	174 00	
Refund .....	52	
Collected and paid Treasurer..		\$ 215 77
Uncollected January 1, 1920..		106 15
	<hr/>	<hr/>
	\$ 321 92	\$ 321 92

**Accrued Interest on Sewer Connection Apportionments**

Uncollected January 1, 1919 ..	\$ 85 92	
Warrant for 1919 .....	207 09	
Refund .....	1 08	
Collected and paid Treasurer..		\$ 228 16
Uncollected January 1, 1920..		65 93
	<hr/>	<hr/>
	\$ 294 09	\$ 294 09

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

Uncollected January 1, 1919...	\$ 107 58	
Warrant for 1919 .....	34 64	
Refund .....	91	
Accrued interest on sewer con- nection added to Taxes erroneously credited to ac- crued interest on sidewalk apportionment 1917 .....		\$ 1 14

Collected and Paid Treasurer..		\$ 105 64
Uncollected January 1, 1920..		36 35
	<hr/>	<hr/>
	\$ 143 13	\$ 143 13

#### Accrued Interest on Sidewalk Apportionments

Uncollected January 1, 1919..	\$ 67 63	
Warrant for 1919 .....	431 84	
Erroneous Credit .....	1 14	
Collected and paid Treasurer..		\$275 80
Uncollected January 1, 1920..		224 81
	<hr/>	<hr/>
	\$500 61	\$500 61

#### Accrued Interest on Betterment Apportionments

Uncollected January 1, 1919....	\$ 56 58	
Warrant for 1919 .....	422 54	
Collected and paid Treasurer..		\$ 242 50
Uncollected January 1, 1920..		236 62
	<hr/>	<hr/>
	\$ 479 12	\$ 479 12

#### Total Collections

Taxes .....	\$ 998,385 00
Street Watering .....	19,368 46
Gypsy and Brown-tail moths..	161 70
Sewer Assessments .....	1,752 68
Sewer Apportionments .....	1,381 01
Sewer Apportionments paid in advance .....	199 42
Sewer Connections .....	1,910 66
Sewer Connection Apportion- ments .....	1,444 16



Sewer Connection Apportionments paid in advance....	\$ 218 32
Sewer Connections added to taxes .....	2,699 40
Sidewalk Assessments .....	14,513 23
Sidewalk Apportionments ....	3,054 63
Sidewalk Apportionments paid in advance .....	207 93
Betterment Assessments .....	17,540 13
Betterment Apportionments ...	1,727 40
Betterment Apportionments paid in advance .....	795 14
December Taxes .....	49 89
Interest on taxes and assessments .....	17,426 53
Costs and fees .....	3,272 75
Accrued interest on sewer apportionments .....	215 77
Accrued interest on sewer connection apportionments ..	228.16
Accrued interest on sewer connections added to taxes...	105 64
Accrued interest on sidewalk apportionments .....	275 80
Accrued interest on betterment apportionments .....	242 50
Water Connections .....	4,405 64
Sidewalk Applications .....	2,530 68
Sewer Connection—Special ...	18 32
Water Service .....	100,267 10
Care of Cemeteries .....	1,497 96
Miscellaneous Collections ....	32,693 51
<hr/>	
Total amount collection from January 1, 1919, to January 1, 1920 .....	\$1,228,589 52

**Uncollected**

Taxes .....	\$ 429,259	43
Street Watering .....	7,421	76
Gypsy and Brown-tail Moths..		32
Mosquito Assessments .....	3,481	72
Sewer Assessments .....	3,365	65
Sewer Apportionments .....	716	92
Sewer Connections .....	2,566	75
Sewer Connection Apportionments .....	441	66
Sewer Connections added to Taxes .....	933	98
Sidewalk Assessments .....	6,655	26
Sidewalk Apportionments ....	2,013	74
Betterment Assessments .....	12,047	30
Betterment Apportionments ..	1,430	21
December Taxes .....	282	71
Accrued interest on sewer apportionments .....	106	15
Accrued interest on sewer connection apportionments ..	65	93
Accrued interest on sewer connections added to taxes ..	36	35
Accrued interest on sidewalk apportionments .....	224	81
Accrued interest on betterment apportionments .....	236	62
Water Connections .....	4,106	45
Sidewalk Applications .....	134	78
Sewer Construction—Special .	2	28
Almshouse or City Home ....	53	58

City Hall .....	\$ 39 05
City Home .....	34 72
Collection of Ashes .....	150 00
Collection of House Offal ....	937 50
Contagious Diseases .....	633 38
Electrical Department Expenses	60 00
Engineering Department Ex- penses .....	119 22
Food Production and Conser- vation .....	178 25
General Expenses—Health De- partment .....	681 60
General Expenses—School De- partment .....	437 00
General Repairs of Highways.	446 18
Guide Boards and Street Signs	2 75
Gypsy and Brown-tail Moths..	201 87
Income from Estates taken for Taxes .....	22 50
Miscellaneous Credits .....	133 78
Outside Relief .....	3,974 57
Public Commons .....	18 00
Purchasing Dept. Expenses	2 90
Sewer Construction .....	518 72
Sewer Maintenance .....	46 73
Sidewalks and Edgestones ...	1,811 50
Surface Drains .....	8 50
Trees .....	32 10

Total amount uncollected Jan-  
uary 1, 1920 .....

\$ 486,075 18

## REPORT OF CITY COLLECTOR

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

Collected during 1919.....	\$ 4,019 07	
Paid City .....		\$ 43 00
Paid Parties holding Titles ..		3,851 13
Unsettled January 1, 1920 ...		124 94
	<hr/>	<hr/>
	\$4,019 07	\$4,019 07

Respectfully submitted,  
 EDWARD W. HAYES,  
 City Collector.

# Report of Highway Department

---

Medford, January 2, 1920.

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 1919.

## RECOMMENDATIONS

### General Repairs of Highways

This branch of the street department has to bear all the extra burdens of the street work, where no special appropriations are made, such as cleaning streets, catch basins and drains; snow work, sanding sidewalks and picking ice; city stable, yard and ledge; street repairs and section men.

### City Crusher

I hope that during 1920 we can get the City Crusher in operation, and shall ask for an appropriation for same to have it in working order before fall.

### New Buildings

I again make mention of a receiver for offal at the City yard or farm.

Building for housing 2 steam rollers.

Building for housing auto trucks so that same can receive proper care which is very much needed.

### Trees

Trees throughout the city are in very bad shape with dead wood; tree stumps to be removed and pruning to this, is the care of Elm, Bettle and Leopard Moth work.

### General Repairs of Highways

Appropriation and Receipts .....		\$34,334 18
Deduct debit balance .....		12,352 04
		\$21,982 14
Payroll .....	\$19,080 33	
Invoices .....	13,340 41	\$32,420 74
		\$10,438 60
Debit balance 1919....		\$10,438 60

### Collection of Ashes

Appropriation .....		\$21,500 00
Receipts and transfers .....		958 26
		\$22,458 26
Payrolls .....	\$19,799 70	
Tools and repairs .....	722 63	
Oils and gasoline .....	1,930 87	\$22,453 20
		\$5 06
Balance .....		\$5 06

The following loads of ashes were collected during 1919.

Single loads	Double loads	Truck loads
10,200	1,670	2,449

**Collection of Offal**

Appropriations .....		\$11,500 00
Receipts for Offal .....		3,879 17
Transfers from Bridges .....		150 00
		<hr/>
		\$15,529 17
Debit balance 1918.....	\$ 517 59	
Payrolls .....	13,413 81	
Invoices .....	2,418 31	\$16,349 71
	<hr/>	<hr/>
Debit balance 1919.....		\$820 54

Loads of Offal collected during 1919.

Single loads  
2,447

**Bridges**

Appropriation .....		\$500 00
Payrolls .....	\$352 30	
Lumber .....	3 46	
Transferred to Offal .....	150 00	478 76
	<hr/>	<hr/>
Balance .....		\$ 21 24

**Guide Boards and Street Signs**

Appropriation .....		\$150 00
Receipts .....		9 50
		<hr/>
		\$159 50

Payrolls .....	\$60 00	
Signs .....	75 55	
Traffic signals .....	20 49	\$156 04
		<hr/>
Balance .....		\$ 3 46

#### Sidewalks and Edgestones Construction

Balance from 1918.....		\$ 5,343 44
Appropriation and Receipts.....		77,479 65
		<hr/>
		\$82,823 09
Payrolls .....	\$21,553 91	
Invoices .....	28,937 15	\$50,491 06
		<hr/>
		\$32,332 03

Four thousand dollars (\$4,000.00) of the above expended on sidewalks petitions and repairs.

#### Sidewalks and Edgestones Repairs

Appropriation .....		\$4,000 00
Payrolls .....	\$3,000 00	
Invoices .....	1,000 00	\$4,000 00
		<hr/>

#### Gravel Sidewalks

Appropriation .....		\$1,000 00
Transfers .....		310 32
		<hr/>
		\$1,310 32
Payrolls .....	\$681 24	
Invoices .....	629 08	\$1,310 32
		<hr/>



**Surface Drains**

Balance from 1918.....		\$ 9,104 54
Appropriation .....		5,000 00
Receipts .....		6 08
		<hr/>
		\$14,110 62
Payrolls .....	\$7,127 36	
Invoices .....	3,703 82	
Engineering .....	145 83	\$10,977 01
	<hr/>	<hr/>
Balance .....		\$3,133 61

**Capen Street Drain**

Appropriation .....		\$4,000 00
Payrolls .....	\$1,591 67	
Invoices .....	796 31	\$2,387 98
	<hr/>	<hr/>
Balance .....		\$1,612 02
Work not yet completed.		

**Original Construction of Streets**

Balance from 1918 .....		\$ 213 21
Appropriation .....		38,000 00
		<hr/>
		\$38,213 31
Payrolls .....	\$11,517 40	
Invoices .....	18,119 84	\$ 29,637 24
	<hr/>	<hr/>
Balance .....		\$ 8,576 07

**Ship Avenue**

Appropriation .....		\$ 4,000 00
Payrolls .....	\$ 316 98	
Invoices .....	138 25	\$ 455 23
	<hr/>	<hr/>
Balance .....		\$ 3,544 77
Work not yet completed.		

**Street Watering and Oiling**

Assessments .....		\$16,702 06
Payrolls .....	\$ 3,320 80	
Oils, tars and asphalts....	12,340 91	
Tools and repairs.....	190 00	
Abatements .....	5 25	
Debit balance 1918.....	176 45	
Miscellaneous .....	632 58	\$16,665 99
	<hr/>	<hr/>
Balance .....		\$ 36 07

**Total Area Oiled**

The length of streets oiled was about 50 miles or about 447,200 feet, at the rate of three and one-half cents per foot.

**Stone Bounds**

Appropriation .....		\$100 00
Transferred from Pension Account.....		2 78
		<hr/>
		\$102 78
Payrolls .....	\$87 86	
Invoices .....	14 92	\$102 78
	<hr/>	<hr/>

There were 9 Bounds set during 1919.

**Gypsy and Brown Tail Moths**

Credit balance from 1918.....		\$ 196 87
Appropriation .....		22,000 00
		<hr/>
		\$2,196 87
Payrons .....	\$1,013 54	
Tools and repairs.....	33 75	
Printing .....	34 00	
Materials .....	56 10	\$1,137 39
	<hr/>	<hr/>
Balance 1919 .....		\$1,059 48

**City Stable and Crusher Repairs**

Appropriation .....		\$2,027 56
Payrolls .....	\$ 678 31	
Invoices .....	1,349 25	2,027 56
	<hr/>	<hr/>

**Care of Trees**

Appropriation .....		\$1,000 00
Receipts .....		45 42
		<hr/>
		\$1,045 42
Payrolls .....	\$793 14	
Invoices .....	252 28	\$1,045 42
	<hr/>	<hr/>

**Paving Gutters**

Appropriation .....		\$500 00
Transfers .....		207 15
		<hr/>
		\$707 15
Payrolls .....	\$681 65	
Invoices .....	25 50	\$707 15
	<hr/>	<hr/>

**Permanent Hassam Block Paving**

Permanent Hassam block paving on Main Street from the Cradock Bridge to Royal Street.

Appropriation .....		\$100,000 00
Payrolls .....	\$ 7,999 59	
Engineering .....	359 52	
Simpson Brothers Corp. . .	27,698 93	
Miscellaneous .....	3 50	\$36,061 54
	<hr/>	<hr/>
Balance .....		\$63,938 36

There were 451 sq. yds. laid by the Boston Elevated Railroad between the tracks.

Simpson Brothers Corporation laid 5,140 sq. yds.

**Pension Account**

Appropriation .....		\$2,000 00
Payrolls .....	\$ 904 50	
Transfers .....	1,020 25	\$1,924 75
	<hr/>	<hr/>
Balance.....		\$ 75 25

The cost of half holidays and vacations were as follows:

Half-Holidays .....	\$8,795 61
Vacations .....	2,550 00
	<hr/>
Total .....	\$11,345 61

Permits were granted as follows:

Boston Elevated Railroad Co.....	24
Boston & Maine Railroad.....	3
Bay State Railroad.....	1
Malden Electric Company.....	119

REPORT OF HIGHWAY DEPARTMENT

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Malden & Melrose Gas Light Co.....	96
Metropolitan Water & Sewer.....	2
Miscellaneous .....	20
New England Telephone & Telegraph Co.....	33
	<hr/>
	298

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

Respectfully submitted,

HUGH G. KENNEDY,  
Street Commissioner.

# Report of the Board of Survey

---

Medford, February 4, 1920.

Hon. Benjamin F. Haines, Mayor.

Dear Sir:

The Board of Survey was organized on March 13th, 1917, with Henry F. Sterling and Joseph N. Terry present.

Christopher C. Curcio was added to the Board on April 2nd, 1917.

Henry F. Sterling was elected chairman.

Nine meetings were held during the year.

Petitions from Harry Dutton, Foster, O'Brien & Downing, Brayley & Knowles, James R. Carrett, J. A. & F. A. Walker, were received and acted upon during the year and the location, grade and lines of Austin Road, Wolcott Street, Thomas Street, Fells Avenue Terrace, Cedar Road, Hall Road, Valley Street, Ashcroft Road, Belmont Road, Upton Terrace, Brewster Road and Charlemont Road were approved.

There having been no appropriation for the work of this Board, no financial statement can be made.

In 1918, owing to war conditions, no meetings were held.

The 1919 Board was organized on May 28th, 1919, with Leroy H. Robbins and Albert W. Turner present. Mr. Robbins was elected chairman. Edward J. Gaffey was added to the Board on December 1, 1919.

Nine meetings were held during the year.

Petitions were received from Thomas W. Harrington, Tenney Co., Witton Leavis and the McGill Company, and the lines, location, and grades of Wedgemere Road, Woodbine Road, Knollwood Road, Sunset Ave., Hume Avenue, Hume Avenue Extension, and Greenleaf Avenue Extension, Dover, W. Dover, and Exeter Streets, Hall Road, and Clifton Street were approved.

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

**Financial Statement**

Balance, January 1, 1919.....	\$230 00	
Appropriation .....	50 00	
Deposits by petitioners .....	60 00	\$340 00
	<hr/>	
<b>Expenditures:</b>		
Advertising .....	26 00	
Engineering .....	6 18	
Office Supplies .....	53 97.	86 15
Balance .....		253 85
	<hr/>	<hr/>
		\$340 00

Previous to the year 1917, the control of the city over the planning of new streets by private owners and land developers had been limited to the acceptance or rejection of such as public streets. Because of this limitation many poor plans have been foisted upon the community and the

streets themselves have become permanent monuments of ignorant or ill-advised land development.

In the past a great many of our city streets have been laid out simply as a local plan within the boundaries of a single farm or other holding. The main idea has evidently been to divide the plot so as to obtain the greatest possible number of lots. Apparently no thought has been given to how new streets would connect with the general city layout or future development of surrounding land. There have been many cases where land development speculators have seemed not to care whether the streets were accepted as public streets or how much their particular layouts might interfere or mar future extensions. The sole idea has been to sell the lots.

The Board of Survey cannot to any great extent correct the mistakes of the past, but it has the power to control the future planning of our city streets.

The Board of Survey is always ready to co-operate with owners of real estate and to advise them as to the most feasible, practical and desirable layouts of their properties.

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

Board of Survey.

FRED R. CHARNOCK,

Clerk.



# Report of the City Physician

---

Medford, Dec. 31, 1919.

Hon. Benjamin F. Haines, Mayor.

Dear Sir :

The City Physician herewith submits his report for the year 1919:

Number of sick firemen examined .....	3
Number of reports made to Chief of Fire Department..	3
Number of sick policemen examined .....	32
Number of reports made to Chief of Police .....	32
Number of calls to the Police Station .....	25
City employes examined for pension .....	1
Number of G. A. R. men attended .....	3
World War Veterans examined for State Relief.....	5
Reports of War Veterans sent to City Clerk .....	5
Number of vaccinations .....	2
Number of confinements .....	1
Number of sick calls to City Home .....	53
Number of house calls .....	75
Number of office calls.....	25
Number of calls for ambulance .....	8
Number of prescriptions .....	115
Examination of claimant against city .....	1

## The Police Station

Many accident cases were treated at the Police Station during the year. Several of those who were injured have

testified to the kindness and consideration extended to them by the police. The Chief of Police has kept the accident room neat and orderly and has supplied everything possible for the comfort of the sick and injured.

### **The City Home**

Most of the inmates of the City Home are old and infirm, and require constant attention. For them, medical treatment is secondary to careful nursing. An intelligent Matron is invaluable to an institution of this kind. Her position supercedes that of the Superintendent. She should have the ordinary attributes of a good woman,—sympathy, kindness, devotion to duty, a keen sense of cleanliness, and a willingness to serve those who are past caring for themselves.

### **The Municipal Hospital**

An important result will follow the construction of the Municipal Hospital, now under contemplation. Rooms or wards will be set apart for the reception of the inmates of the City Home, which will then be abandoned for good and all,—the Poor House becoming but a memory.

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

# Report of Superintendent of Wires and Gas Fitting

---

Medford, Mass., January, 1920.

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

Dear Sir :

I have the honor of submitting the twelfth annual report of the Department of Wires and Gas Fitting, Fire and Police Signals and Street Lights, for the year ending December 31, 1919.

## Police Signal System

At present there is an appropriation for the repairing of this signal system. When the repairs are completed, I hope everybody will be satisfied.

## Fire Alarm Signal System

By keeping all the apparatus, wire and fixtures in good condition, this signal system has given excellent service the past year.

## Street Lighting

The Street Lighting contract with the Malden Electric Company expires in March of 1920.

I would recommend, when a new contract is drawn, that a change be made in the present lighting system of the streets of the city.

At present there are two hundred six and one-half 250 C. P. lamps burning from dusk until daylight, at sixty dollars per year.

Sixteen 250 C. P. lamps, burning from dusk until midnight, at forty-three dollars and eighty cents per year.

Eight hundred fifty-five 60 C. P. lamps burning from dusk until 2 a. m. at fifteen dollars per year.

### Expenses

	Appropriated	Transferred from other accounts	Receipts	Expended	Transferred to other accounts	Balance
Salary of Supt....	\$1,800.00	.....	.....	\$1,800.00	.....	.....
Electrical Dept. Expenses .....	500.00	.....	\$ 21.94	500.12	.....	\$ 21.82
Fire and Police Signal Service	300.00	.....	127.53	424.74	.....	2.79
Street Lighting..	25,500.00	\$28.52	.....	25,528.52	.....	.....
Salary of Lineman	1,246.00	.....	.....	1,244.40	.....	1.60
Police Signal and System Equip-ment .....	2,000.00	.....	.....	187.46	.....	1,812.54

**Recommendations**

Salary of Superintendent.....	\$ 2,100 00
Electrical Department Expenses.....	500 00
Fire, Police Signal System.....	500 00
Street Lighting .....	26,000 00
Salary of Lineman .....	1,450 00

**Gas Piping and Fixtures**

Number of permits issued for meters.....	52
Number of tests and inspections.....	210

**Interior Wiring of Buildings**

Number of permits issued for meters.....	241
Number of wiring notices received.....	421

Respectfully submitted,

HENRY A. GAFFNEY,  
Superintendent of Wires and Gas Fitting.

# Report of the Overseers of the Poor

---

Medford, Mass., January 1, 1920.

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

Dear Sir:

In compliance with the City Ordinances, the Board of Overseers of the Poor herewith submits its report for the year ending December 31, 1919.

The appropriation for the use of this department amounted to the sum of \$14,200.00, City Home and Outside Relief. The sum actually expended was \$30,473.55.

There has been received by the City on account of this department \$5,412.36, City Home \$925.13, and Outside Relief \$4,487.23. There is now due about \$1,000.00 on account of Outside Relief. This amount will be paid to the City later.

On January 1, 1919, there were sixteen inmates, ten men and six women, at the City Home. Fourteen were admitted during the year, seven died, seven discharged.

There are twenty-five families, Mothers' Aid Cases, with 95 dependents; Outside Relief, thirty families with 45 dependents.

Board of children, outside the city, ten; in the city, two.

Monthly cash allowance, nine persons. Rent paid monthly for four families. Board of children in State Institutions, three children.

Four adults in State Institutions. One person confined at Danvers Hospital for Insane.

There are now at the City Home fifteen inmates, eight men and seven women.

We herewtih submit a statement of the receipts and expenditures:

**Receipts**

Appropriation. ....	\$ 3,500 00
Transferred .....	4,094 13
J. J. Fitz Gerald .....	199 13
J. J. Ward, Turstee .....	105 00
City of Everett .....	272 00
Town of Winchester .....	55 28
Mr. Miller .....	29 00
Elizabeth Tansen .....	96 00
Calf, sale of.....	8 00
Pigs, " .....	135 72
Eggs, " .....	15 00
Trees and plants .....	10 00
	<hr/>
Receipts, total .....	\$ 8,519 26

**Expenditures at City Home**

Superintendent .....	\$ 700 00
Salaries .....	1,244 60
Food supplies .....	2,342.67
Fuel .....	1,173 99
Light, gas and electricity .....	131 88
Telephone .....	46 49
Water .....	104 83

Grain .....	\$606 12
Clothing .....	348 85
Medicines (Hospital room included) .....	139 92
Furniture " " " .....	400 19
Live stock (horse and pig) .....	115 00
Seeds .....	78 55
Trees (apples and pear) .....	72 00
Equipment .....	851 65
Ordinary repairs .....	38 63
Miscellaneous .....	123 98

---

Expenditures, total ..... \$ 8,519 26

Painting and extra repairs ..... \$ 764 50  
 (Above not included in total of expenditures as it is another appropriation.)

#### Outside Relief

##### Expenditures:

Weekly cash allowance .....	\$11,662 50
Monthly board allowance .....	1,594 00
Rent .....	612 00
Food .....	2,019 68
Fuel .....	424 50
Clothing and shoes .....	388 47
Board of children in private homes and other institutions .....	1,571 50
Medical aid in homes of persons aided.....	234 45
Medical aid in Private Hospitals.....	794 11
Medical aid in other Hospitals and Institutions .....	840 51
Medicine .....	83 18
Burials .....	255 00
Persons with Medford settlement, but living elsewhere .....	1,767 57



REPORT OF OVERSEERS OF THE POOR

405

City of Boston .....	\$ 611 76	
“ “ Everett .....	337 44	
“ “ Somerville .....	214 89	
“ “ Malden .....	324 28	
“ “ Quincy .....	279 20	
Miscellaneous .....		142 82
		<hr/>
Total .....		\$22,390 29

Receipts

Appropriation .....		\$10,000 00
Transfers .....		7,903 06
Receipts .....		4,487 23
Commonwealth .....	\$3,271 08	
City of Boston .....	866 25	
“ “ Somerville .....	194 33	
“ “ Malden .....	78 00	
Red Cross .....	32 00	
Refund, City Treasurer ..	21 57	
Individual .....	24 00	
	<hr/>	
Total .....		\$22,390 29

Respectfully submitted,

JOHN J. FITZGERALD,  
 GEORGE J. HACKETT,  
 REUBEN M. PITMAN,

Overseers of the Poor.

# 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:

We hereby submit our report for the year 1919.

## Organization

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

Alvin R. Reed, Secretary and Clerk.

Leslie E. Morrison, Inspector of Health and Plumbing.

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

Winslow Joyce, Inspector of Milk and Vinegar.

Francis W. Lumbert, Inspector of Meats and Provisions.

Harrie W. Pierce, M. D. V., Inspector of Animals and Slaugh-  
tering.

Francis W. Lumbert, Inspector of Animals and Slaughtering.

## Financial Report Year Ending Dec. 31, 1919

Received from all sources, Account of Gen- eral Fund .....	\$1,700 00
Expended, General Fund.....	1,656 50
	<hr/>
Balance .....	\$43 50
Received from all sources, Account Contagious Diseases .....	\$3,589 21
Expended .....	2,729 17
	<hr/>
Balance .....	\$860 04

Received Account Pay of Inspectors, Appropriation .....	\$2,550 00
Expended .....	2,550 00
	<hr/>
Balance .....	\$00 00

The reports of the several departments are herewith submitted.

Respectfully yours to command,

ALFRED J. HAWKS, M. D.,  
 Chairman.  
 WARREN S. McINTIRE,  
 WALTER T. BURKE, M. D.

---

**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 1919.

Visits made:

Chicken Pox .....	4
Diphtheria .....	65
German Measles .....	1
Measles .....	2
Mumps .....	6
Ophthalmia Neonatorum .....	19
Gonorrhoea .....	8
Infantile Paralysis .....	2
Scarlet Fever .....	4

Tuberculosis .....	2
Syphilis .....	2
Scabies .....	3
Whooping Cough .....	1
	<hr/>
Total .....	119

Respectfully submitted,

PAUL J. D. HALEY, M. D.

---

**REPORT OF THE INSPECTOR OF PLUMBING**

---

January 2, 1920.

To the Board of Health:

Medford, Mass.

Gentlemen: I herewith submit the twenty-sixth annual report of the Inspector of Plumbing for the year ending December 31, 1919:

Plumbing permits issued.....	236
Inspections .....	600
Water tests .....	151
Connections with sewer .....	81
Connections with cesspools.....	39
Total fixtures installed .....	844

Respectfully submitted,

L. E. MORRISON,

Inspector of Plumbing.

Medford, Mass.

**REPORT OF INSPECTOR OF MEATS AND PROVISIONS**

Medford, Mass., December 31, 1919.

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, 1919.

Inspections as follows:

Grocery stores .....	38
Bakery shops .....	6
Lunch rooms .....	6
Baker carts .....	4
Ice cream parlors .....	5
Meat markets .....	28
Meat carts .....	2
Butter, cheese and egg stores .....	8
Fruit stores .....	14
Fish markets .....	13
Fish carts .....	2
<b>Total .....</b>	<b>126</b>

Failures to comply with the law:

Meats condemned and destroyed:

	Pounds
Jan. 6, Smelts, spoiled .....	2½
15, .....	
21, Corned beef, spoiled.....	11
30, Haddock, spoiled .....	5½
Feb. 3, Sausage, tainted.....	2

	Pounds
Feb. 18, .....	
25, Lamb, sour .....	10½
Mar. 6, .....	
11, Liver, sour .....	3
27, .....	
28, .....	
Apr. 4, Pressed ham, sour .....	2¼
7, Blood pudding, spoiled .....	1¾
29, .....	
30, Salt pork, spoiled .....	6
May 5, Hamburg, tainted .....	2¾
21, Cod, spoiled .....	3¼
26, .....	
29, Corned bones, spoiled .....	1¼
June 6, .....	
9, Spare ribs, sour .....	6
16, Pork chops, tainted .....	2¾
21, Soup bone, sour .....	5¾
July 2, .....	
14, .....	
25, Salt fish, spoiled .....	3
Aug. 5, Fresh cod, spoiled .....	7
11, Chicken, sour .....	11
15, .....	
20, Clams, spoiled .....	2 qts
Sept. 9, .....	
12, .....	
18, Liver, sour .....	4
Oct. 2, Fresh flank, sour .....	1¾
16, Pigs' feet, spoiled .....	3¼
28, .....	
Nov. 5, Chicken, sour .....	3¼
11, .....	
20, Frankfurts, spoiled .....	2½
28, .....	

Dec. 3, .....	
12, One hog inspected and stamped.....	
23, .....	
27, One turkey inspected and found in good condition.	
Total, pounds .....	102
	2 qts.

Respectfully submitted,

FRANCIS W. LUMBERT,  
Inspector of Meats and Provisions.

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### REPORT OF INSPECTOR OF MILK

---

Medford, Mass., January 1, 1920.

To the Board of Health:

Gentlemen: I have the honor to submit my sixteenth annual report of the Inspector of Milk, for the year ending December 31, 1919.

Total number of licenses granted for the sale of milk	201
For the sale of Oleomargarine .....	63
	264
Whole number of licenses issued.....	264
Amount of fees received and paid City Collector..	\$132 00
Increase of Milk licenses over 1918.....	29
Increase of Oleomargarine licenses over 1918.....	12
	41
Total increase of licenses over 1918.....	41

I have collected and analyzed 108 samples of milk and cream, taken from vehicles and stores, and found but 16 that were not up to the legal standard.

Eighteen samples, brought to this office by private parties, were tested and reports made on same.

Inspection of animals and the premises on which they are kept are frequently visited, and when necessary, improvements and alterations being ordered, have been willingly executed.

Nearly five hundred notifications and notices regarding registrations, unsatisfactory conditions of premises or cows, or of utensils and methods in handling the milk supply and of milk on sale, have been sent to different parties.

There have been several cases where vinegar was found below the legal standard, and parties warned and prohibited from continuing such sales.

The sale of oleomargarine has materially increased during the past year and seems to give general satisfaction, as a slight dent on the H. C. L.

There have been frequent calls on this bureau, from both the Federal Government and the State Commission, for information regarding the milk conditions, which have so far been happily met. Monthly reports containing valuable information are received from the same and placed on file.

Samples of milk from stores and vehicles are taken, in this city, for analysis by inspectors from the State Board of Health, at frequent intervals, and I have heard of but one case from them where milk was found below the standard.

Respectfully submitted,

WINSLOW JOYCE,

Inspector of Milk.



# Report of the Purchasing Agent

---

January 2, 1920.

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

Dear Sir:

I have the honor to submit herewith the report of the purchasing department for the current year.

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 their co-operation.

The several departments make requisitions to the purchasing department for the necessary materials. This department thereupon makes out a duplicate written order in conformance to the departmental request, which order is given to the dealer who is to furnish the goods. Upon receipt of material, the department returns to this office the signed wax sheet, which is a carbon copy of the order given to the dealer. This wax sheet is our record from which we check the bills, when they are presented for approval. All bills are approved as to the price and to the quantity.

Many of the requisitions received call for "immediate delivery." 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 five hundred fifty-five 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 Chief of Police

---

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

Sir: I have the honor of submitting to you my annual report of the Police Department for the year ending December 31st, 1919.

Whole number of arrests.....	749
Males .....	716
Females .....	33
Adults .....	548
Minors .....	201
Residents .....	546
Non-residents .....	203
Arrested on warrants .....	148
Arrested without warrants.....	601
Held for trial .....	688

## Cause of Arrest

Accosting persons of opposite sex.....	2
Assault and Battery .....	44
Attempt to Commit a Crime .....	3
Arson .....	1
Bastardy .....	3
Breaking and Entering .....	50
Bigamy .....	1
Breaking and Entering with intent to commit a felony .....	4
Betting at horse racing .....	6

Burglary tools, having possession.....	1
Concealing Mortgaged Property.....	1
Concealed Weapons, carrying .....	4
Default .....	13
Deserter, Army and Navy .....	5
Disorderly Conduct .....	3
Drunkenness .....	67
Disturbing persons lawfully assembled.....	2
Exposure of Person .....	1
Escaped Prisoners .....	4
Forgery .....	1
Fire, false alarm .....	2
Gaming, or present at .....	33
Insane .....	23
Larceny .....	69
Manslaughter .....	2
Non-support of illegal child.....	2
Non-support of parent .....	1
Non-support of minor child.....	2
Non-support .....	27
Non-payment of wages.....	2
Perjury .....	1
Profanity .....	3
Receiving Stolen Goods .....	3
Riding Bicycle on Sidewalk.....	2
Runaway boys .....	3
Stubborn Child .....	9
Suspicious Person .....	1
State Guard, absent from duty.....	1
Sodomy .....	1
Trespass .....	10
Truants .....	12
Trespass on railroad property .....	1
Unlawfully failing to make a minor child attend the public schools .....	1
Vagrancy .....	3

REPORT OF CHIEF OF POLICE

417

Violation City Ordinance .....	30
Violation of Board of Health Rules.....	4
Violation of Labor Law .....	5
Violation of Lord's Day .....	50
Violation of the Milk Law.....	7
Violation of the Park Rules.....	2
Violation of the Probation .....	4
Wilful Injury to Property .....	9
Violation of Automobile Laws.....	176
Violation of Traffic Rules .....	27
Violation of Light Law.....	2
Violation of Parole.....	2

Miscellaneous Work

Amount of property reported stolen.....	\$20,217 04
Amount of property recovered by police .....	20,149 67
Accidents reported.....	112
Buildings found open and secured.....	280
Buildings reported vacant.....	152
Cases investigated .....	1,458
Defective streets and sidewalks reported.....	256
Defective water pipes reported.....	68
Defective wires reported.....	119
Dead bodies cared for.....	6
Disturbances suppressed .....	69
Dogs killed .....	15
Extra hours duty done by officers.....	2,855
Fire alarms reported .....	5
Dangerous trees reported.....	48
Dead animals reported, in streets.....	33
Cats shot by officers.....	8
Broken glass in streets reported.....	43
Street cars without lights.....	6
Fires extinguished without alarms.....	22
Gas turned off in buildings.....	9
Horses found cast or loose in stables.....	7

Lanterns placed on defects in streets.....	38
Lost children returned home.....	55
Notices posted and delivered.....	609
Number of runs of patrol wagon.....	2,661
Number of miles run.....	15,470
Sick and Injured persons assisted.....	118
Stray teams cared for.....	3
Street obstructions removed.....	11
Street lights reported out.....	296
Search warrants served .....	1
Seizures made .....	2
Water running to waste .....	10
Officers, extra duty at fires.....hours	149
Officers, number at Court.....hours	269
Officers, duty without pay.....hours	1,605
Pulmotor used .....	1
Sign posts reported down.....	3

Respectfully submitted,

JOHN F. WELCH,

Chief of Police.

# Report of Water and Sewer Commissioners

---

Medford, Mass., January, 1920.

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

Dear Sir:—

The Annual Report of the Water and Sewer Department for the year 1919 is herewith submitted.

The year began with two new members appointed to the board, Peter A. McDonald for the term ending in 1921 and Robert E. Ferguson for the term to 1922, Mr. Dwyer being elected chairman.

The water consumption by the City as reported by the Metropolitan Water and Sewerage Board totaled for the year, 616,313,000 gallons; the low service was 465,590,000 gallons and the high service was 150,723,000 gallons, which figures 47 gallons average per person per day for the year compared with 62 gallons for the year 1918, the year of extreme cold.

The demand has been so strong for water in the district north of Fellsway West that over 77% of our available money has been spent there for water mains, about 14% of our income for the year.

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
Ames Street .....	From end gate to Walsh Street .....	30 ft.	8 in.
Andrews Street .....	From Walsh Street, southerly to gate .....	31 ft.	6 in.
Austin Street .....	From end to Wolcott Street .....	95 ft.	6 in.
Barnard Street .....	From Woburn Street, southerly .....	316 ft.	6 in.
Brackett Street .....	From Gaston Street to Walsh Street .....	252 ft.	8 in.
Butler Street .....	From Foss Street, southerly .....	284 ft.	6 in.
Cedar Road .....	From Branch, southerly .....	99 ft.	6 in.
Evans Street .....	From end to Lawrence Street .....	277 ft.	6 in.
Fells Avenue Terrace .....	From Fells Avenue, easterly .....	290 ft.	6 in.
Fifth Street .....	From end, northerly .....	13 ft.	12 in.
Fulton Street .....	From end, northerly .....	138 ft.	8 in.
Gaston Street .....	From end, westerly to lot 38 .....	471 ft.	6 in.
Harold Street .....	From end, southerly .....	36 ft.	6 in.
Myrtle Street .....	From end, easterly .....	204 ft.	6 in.
Murray Hill Road .....	From Fells Avenue, easterly .....	342 ft.	6 in.
Saunders Street .....	From Walsh Street, southerly .....	284 ft.	6 in.
Ship Avenue .....	From end, westerly .....	68 ft.	6 in.
Trainercroft .....	From end, westerly .....	28 ft.	6 in.
Walsh Street .....	From Ames Street to Brackett Street .....	289 ft.	8 in.
Walsh Street .....	From Ames Street, easterly .....	144 ft.	6 in.
Walsh Street .....	From Brackett Street, westerly .....	400 ft.	6 in.
Wolcott Street .....	From Austin Street, northerly .....	240 ft.	6 in.

Total length mains in use Jan. 1, 1919.....390,854 ft.

Extension of main 1919 ..... 4,345 ft.

Total length mains in use Jan. 1, 1920.....395,199 ft. or 74.848 miles.



**MAIN LEAKS**

Ten main leaks have been attended to.

**NEW HYDRANTS**

Butler Street	200 feet south of Foss Street
Evans Street	200 feet north of Lawrence Street
Fells Avenue	25 feet north of Murray Hill Road
Fells Avenue Terrace	At end
Fulton Street	80 feet north of Water Street
Fulton Street	400 feet north of Foss Street
Gaston Street	400 feet west of Brackett Street
Main Street	At No. 100
Walsh Street	Between Ames and Brackett Streets
Walsh Street	50 feet west of Saunders Street
Wolcott Street	100 feet north of Austin Street

There are now 722 hydrants available for fire purposes which are inspected and kept in good repair by this department.

### **STANDPIPES AND FOUNTAINS**

Nine standpipes and four horse troughs were taken out. All others have been cared for.

### **SERVICES**

One hundred and eighty-six new services have been installed, their length totalling 8,194 feet 3 inches; 3,512 feet 5 inches in the street and 4,681 feet 10 inches on private property.

Fifty-seven services have been renewed in the street; one has been thawed, sixty-three leaks repaired, and one hundred and forty-eight have been cleared.

Thirty-five services were abandoned.

### **METERS**

During the year there has been set 159 meters on services new; 784 meters, 64 of which were frozen, have been taken out, cleaned, repaired and tested. Twenty-two metered accounts were abandoned.

## SEWER CONSTRUCTION

STREET	LOCATION	Length	Size
Evans Street .....	From Lawrence Street, to summit .....	259.8 ft.	8 in.
Fells Avenue .....	From Murray Hill Road to Station 949.2.....	129.9 ft.	8 in.
Fells Avenue Terrace .....	From Fells Avenue to end.....	260.2 ft.	8 in.
Fourth Street .....	From Sydney Street, westerly to Sta. 112.4.....	109.4 ft.	8 in.
Glenwood Avenue .....	From Spring Street to end.....	403.9 ft.	8 in.
Harold Street .....	From Hamilton Street to Somerville line .....	117.5 ft.	8 in.
Myrtle Street .....	From Lawrence Street, westerly .....	387.2 ft.	8 in.
Newton Road .....	From Woodland Road to Grove Street .....	394.6 ft.	8 in.
Prescott Street .....	From Mystic Street, easterly .....	108. ft.	8 in.
Traineroft .....	From Station 537.1, northwesterly .....	64.6 ft.	8 in.
Woodland Road .....	From Jackson Road to Newton Road .....	272.9 ft.	8 in.

Total length of sewers January 1, 1919.....348,443.49 ft.  
 Sewers laid during 1919 ..... 2,508.05 ft.

Total length of sewers January 1, 1920 .....350,951.54 ft. or 66.468 miles

**SEWER CONNECTIONS**

One hundred and twelve connections have been made with the main sewer.

**SEWER MAINTENANCE**

Thirty-three connections have been cleared of obstructions, three of which were relaid.

**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 culvert across Warren Street and the lot at the corner of Warren and Irving Streets, and the lots opposite on Irving Street carrying Whitmore brook, was renewed.

The following financial statement for the year is reported by the Registrar:

**Water Works Account, 1919.**

Cr.

Receipts, water rates .....	\$ 86,692 82
Receipts, construction .....	9,507 62
Receipts, maintenance .....	334 45
Receipts, meter account .....	6 00
	<hr/>
	\$96,540 89

Dr.

Paid, maintenance of the works .....	\$ 24,933 85
Paid, twenty-first assessment for Metropolitan Water....	41,326 89
Paid, construction, meters and service pipes .....	30,280 15
	<hr/>
	\$96,540 89

**Sewer Construction Account, 1919**

Cr.

Balance remaining, see previous report .....	\$ 4,601 18
Sewer assessments .....	1,979 69
Sewer connection assessments .....	7,298 06
Apportioned accounts .....	2,623 58
Appropriation .....	15,000 00
Receipts, stock and labor bills .....	114 67
	<hr/>
	\$31,617 18

REPORT OF WATER AND SEWER COMMISSIONERS 425

Dr.

Paid, sewer construction 1919 .....	\$ 22,866 20
Apportioned accounts .....	2,586 08
Balance unexpended December 31, 1919 .....	6,164.90
	<hr/>
	\$31,617 18

Sewer Maintenance Account, 1919.

Cr.

Appropriations .....	\$ 1,500 00
Receipts, 1919 .....	11 23
Overdrawn .....	51 05
	<hr/>
	\$ 1,562 28

Dr.

Paid during 1919 .....	\$ 1,562.28
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Brooks and Streams Account, 1919.

Cr.

Appropriations .....	\$ 5,500 00
Receipts, 1919 .....	409 12
	<hr/>
	\$ 5,909 12

Dr.

Paid during 1919 .....	\$ 5,880 18
Balance unexpended December 31, 1919 .....	28 94
	<hr/>
	\$ 5,909 12

Sewer Assessments

Total assessments, January 1, 1919 .....	\$325,422 55
Assessments levied during 1919 .....	1,979 69
	<hr/>
Total assessments levied to date .....	\$327,402 24

Petitions for the apportionment of sewer assessments to the amount of \$183.48 were granted during 1919 and the same certified to the Board of Assessors.

Sewer connection assessments to the amount of \$2,402.60 were granted apportioned by the Board of Assessors during 1919.

The sewer connection work during the year has cost per foot as follows :

2 connections	71 ft.	Cost between	\$0.60 and \$0.70
4 "	163 ft. 6 in.	" "	.70 " .80
5 "	221 ft.	" "	.80 " .90
13 "	518 ft.	" "	.90 " 1.00
72 "	3617 ft. 6 in.	" "	1.00 " 2.00
13 "	373 ft. 6 in.	" "	2.00 " 3.00
2 "	59 ft.	" "	3.00 " 4.00
1 "	41 ft.	Cost over	4.00
1 extended	70 ft.	" "	1.00
1 lowered	20 ft.	" "	2.00

Making 112 connections and 1 extension, 5,134 feet 6 inches and 1 lowered, 20 feet, a total of 5,154 feet, costing \$7,655.91, making the average cost per linear foot of work \$1.485, making to January 1, 1920 :

Total number of sewer connections .....	6,258
Total length of all sewer connections .....	279,472 feet
	or 52.93 miles
Total cost of all sewer connections.....	\$159,775 73
Average length of all sewer connections .....	44.65 feet
Average cost per foot of all sewer connections .....	\$0.571
Buildings connected with sewer December 31.....	6,123
Built for families, see last report .....	8,710
Additional accommodated during 1919 .....	119
	<hr/> 8,829

Also two factories, four garages, five stores, one shop, one school, one office and one church.

**Water Maintenance, 1919.**

	Bills	Labor	Total
Administration .....	\$ 3,397 20	\$ 3,102 80	\$ 6,500 00
Main pipe leaks .....	152 40	306 83	459 23
Service pipe leaks .....	85 44	488 50	573 94
Services cleared or renewed ..	486 11	1,306 96	1,793 07
Services abandoned .....	13.23	165 20	178 43
Services inspected .....		63	63
Gates, stops and boxes ....	219 82	429 50	649 32
Meters .....	349 89	5,387 48	5,737 37
Hydrants .....	604 96	895 43	1,500 39

REPORT OF WATER AND SEWER COMMISSIONERS 427

	Bills	Labor	Total
Fountains .....	48 52	120 05	177 57
Stable and garage .....	1,805 54	1,045.44	3,750 98
Shop and stock .....	492 21	1,380 80	1,882 07
Turning on and off water ....		417 24	417 24
Delivering bills .....		270 50	270 50
City of Malden for water....	2 24		2 24
Taking account of stock ....		45 87	45 87
Locating service boxes .....		48 03	48 03
Wrights pond expense .....	21 00	470 46	500 46
Printing annual report .....	12 00		12 00
Blowing off mains .....		7 82	7 82
Food from Army Base .....		393 00	393 00
With Insurance Man .....		0 76	0 76
Miscellaneous .....	2 04	12 74	14 78
<b>Total paid in 1919 .....</b>	<b>\$7,692 60</b>	<b>\$17,241 25</b>	<b>\$24,933 85</b>

Water Construction, 1919.

New Mains Account

	Bills	Labor	Total
Ames Street .....\$	38 32 \$	24.84 \$	63 16
Andrews Street .....	68 22	66 59	134 81
Austin Street .....	102 70	108 12	330 82
Barnard Street .....	430 07	267 26	697 33
Brackett Street .....	486 52	367 82	854 34
Butler Street .....	775 45	672 02	1,447 47
Cedar Road .....	393 91	284 28	678 19
Evans Street .....	441 65	210 25	651 90
Fells Avenue Terrace .....	460 68	518 22	978 90
Fulton Street .....	716 94	425 07	1,142 01
Gaston Street .....	856 73	1,127 06	1,983 79
Harold Street .....	41 10	37 00	78 10
Myrtle Street .....	262 25	161 49	423 74
Murray Hill Road .....	602 30	607 18	1,209 48
Saunders Street .....	357 32	286 21	643 53
Sherwood Road .....		4 06	4 06
Ship Avenue .....	120 11	71 79	191 90
Traineroft .....	55 94	35 01	90 95
Walsh Street .....	1,503 85	1,063 28	2,567 13
Wolcott Street .....	516 24	366 03	882 27

Other Expense			
	Bills	Labor	Total
New Services laid .....	\$ 3,533 22	\$ 3,344 05	\$ 6,877 27
New Meters account .....	914 37	33 66	948 03
New Hydrants account ....	346 00	152 47	498 47
Stable and garage .....	2,500 00		2,500 00
Engineers .....	291 78		291 78
Work done, to be collected for Administration .....	2,731 75	1,340 47	4,072 22
		5,000 00	5,000 00
Cost .....	\$18,607 42	\$16,635 13	\$35,242 55
Stock of previous years and items duplicated .....			4,962 40
Net amount paid 1919 .....			\$30,280 15

## Sewer Maintenance, 1919.

	Bills	Labor	Total
Sewer connections stopped ..\$	19 96	\$ 229 96	\$ 249 92
Scraping and cleaning sewers	155 80	918 94	1,074 74
Sewers stopped .....		36 50	36 50
Damage claims .....	100 00		100 00
Care of manholes .....	33 28	38 83	72 11
Stock and tools .....	69 80	9 63	79 43
Care of shop and tools .....		1 42	1 42
Cost .....	\$ 378 84	\$ 1,235 28	\$ 1,614 12
Stock paid for in other accounts .....			51 84
Net amount paid, 1919 .....			\$1,562 28

## Sewer Construction, 1919.

New Sewers			
	Bills	Labor	Total
Evans Street .....	\$ 259 81	\$ 240 63	\$ 500 44
Fells Avenue .....	330 17	408 44	738 61
Fells Avenue Terrace .....	492 73	615 84	1,108 57
Fourth Street .....	164 62	349 01	513 63
Glenwood Avenue .....	527 13	660 02	1,187 15
Harold Street .....	110 98	63 01	173 99
Murray Hill Road .....		1 13	1 13
Myrtle Street .....	574 49	907 73	1,482 22
Newton Road .....	423 56	616 40	1,039 96
Prescott Street .....	328 27	504 90	833 17
Trainercroft .....	46 50	59 68	106 18
Woodland Road .....	363 83	720 66	1,084 49



REPORT OF WATER AND SEWER COMMISSIONERS 429

Other Expense

	Bills	Labor	Total
Sewer Connections .....	10 00	\$ 4,599 71	\$ 4,609 71
Stable or garage expense ...	4,076 29		4,076 29
Engineering expense .....	538 56		538 56
Work done, to be collected for	94 26	158 42	252 68
Administration .....	5,870 19		5,870 19
	<hr/>	<hr/>	<hr/>
Cost .....	\$14,211 30	\$0,065 58	\$24,176 97
Stock of previous years and items duplicated .....			1,310 77
			<hr/>
Net amount paid 1919 .....			\$22,866 20

Brooks and Streams 1919

General Account	Bills	Labor	Total
Care and inspection .....		\$ 63 54	\$ 63 54
Gravelly Creek			
Repair fences .....		20 89	20 89
Repair conduit .....		4 24	4 24
Whitmore Brook			
Cleaning .....		11 20	11 20
Covering .....	3,104 40	2,647 53	5,751 93
Winter Brook			
Cleaning .....		28 38	28 38
	<hr/>	<hr/>	<hr/>
Total paid, 1919 .....	\$ 3,104 40	\$ 2,775 78	\$ 5,880 18

Respectfully submitted,

JOHN D. DWYER,  
ROBERT E. FERGUSON,  
PETER A. McDONALD,

Water and Sewer Commissioners, City of Medford.

# Report of the Inspector of Animals

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Medford, Mass, January 1, 1920.

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

Dear Sir:—

Following is my report as Inspector of Animals for the City of Medford for the year ending December 31, 1919.

In accordance with Chapter 90 of the Revised Laws, every town and city in the Commonwealth of Massachusetts has one or more inspectors of animals whose duty it is to comply with and enforce all orders and regulations which may be directed to him by the Director of Animal Industry of the State Department of Conservation. If upon examination of a domestic animal the inspector has reason to believe it to be affected with a contagious disease he shall cause it to be quarantined or isolated and shall take such sanitary measures to prevent the spread of such contagious disease as shall be prescribed by any order or regulation of the Division of Animal Industry.

During the year the following cases of disease contagious to animals have been brought to my attention:

**TUBERCULOSIS:** One cow was found affected with this disease and was ordered killed. The owner disinfected as shall be prescribed by an order or regulation of the Di-

the premises occupied by this animal in accordance with instructions given him. All the other cattle on the premises were given a careful physical examination which examination was followed up at the expiration of three months by another physical examination of all the cattle found on the premises at that time.

This disease was also found in two cats during the year. The disease being comparatively rare in cats, specimens were submitted to the Harvard Medical School laboratory where the diagnosis was confirmed. These cases were in different parts of the City, no cattle were kept on or near the premises and as far as could be ascertained no one affected with tuberculosis was connected with the families of the owners.

**GLANDERS:** Three horses reported as suspected of having this disease were examined, tested and released as being free from the disease. It might be interesting to note that while in the year 1913 1084 horses were killed in Massachusetts on account of glanders, of which number 556 were found in the City of Boston, during the year just passed only 23 horses were killed of which only 4 were found in Boston. It is believed that the closing of the watering troughs in districts where this disease is found, as well as improved method of disinfection and following up all cases, has been the chief factor in this great reduction of cases of this disease. All watering troughs in this City have been closed since the Fall of 1912.

**MANGE:** Two horses on one premise were called to my attention. A course of treatment was outlined but both animals were eventually killed by the owner as incurable.

**RABIES:** Although this disease is apparently on the increase in some sections of the State there was not a positive case found in this City during the year. Three dogs

were killed by the police as showing symptoms resembling rabies. The cases were investigated and the heads of the dogs sent to the Division of Animal Industry laboratory where examination proved negative to the disease.

**HOG CHOLERA:** This disease was found to occur on two premises. The hogs, 90 in number, as well as 20 hogs on another premises were immunized by agents of the Division of Animal Industry 57 receiving the double or simultaneous treatment and 53 receiving the single or serum treatment.

\* \* \* \* \*

In accordance with instruction received, an inspection of all places where neat cattle, sheep or swine are kept was made during the months of January and February.

181 cows, 4 bulls and 15 young cattle were found on 34 premises.

373 hogs were found at 19 places and 6 goats at two places.

A physical examination was made of the cattle and a copy of the report on the health of the animals and condition of the premises was left with the owner.

**INTERSTATE HORSES:** All horses coming into Massachusetts from the states of New York, New Jersey, Rhode Island or Connecticut must be accompanied by a permit and must be examined at point of destination in this State. Accordingly 6 horses coming into this city from the above states were examined, found free from symptoms of contagious disease and released.

Respectfully submitted,

HARRIE W. PEIRCE, M. D. V.,

Inspector of Animals.

# Government of the City of Medford

(List compiled May 12, 1920)

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## MAYOR

Hon. BENJAMIN F. HAINES, 52 Central Avenue

Term expires first Monday in January, 1921

## MAYOR'S CLERK

ELSIE MacKENZIE 41 Washington Street

## BOARD OF ALDERMEN

President, JOHN J. MULKERIN

Leon B. Cash	Ward 1	45 Grant Avenue
George H. Lewis	Ward 1	6 Columbus Avenue
E. Maynard Snow	Ward 1	14 Columbus Avenue
Edward H. Larkin	Ward 2	209 Grant Avenue
William F. Wiltshire	Ward 2	112 Dudley Street
Louis J. Dodsworth	Ward 2	65 Dudley Street
Charles M. Hayden	Ward 3	43 Water Street
William J. Daly	Ward 3	83 Terrace Road
Henry P. Van De Bogert, Jr.	Ward 3	60 Woburn Street
Harry M. MacNear	Ward 4	30 Orchard Street
Michael E. O'Brien	Ward 4	11 Touro Avenue
Percy W. Richardson	Ward 4	13 Florence Street
James A. Flaherty	Ward 5	57 Warner Street
Joseph H. Dion	Ward 5	24 Bow Street
George W. Taintor	Ward 5	15 William Street
Cuthbert H. Lowell	Ward 6	32 Irving Street
John J. Mulkerin	Ward 6	75 Arlington Street
Harvey C. Voorhees	Ward 6	293 Boston Avenue
Ira H. J. Ellsworth	Ward 7	29 Second Street
Burton F. Dodge	Ward 7	31 Wellington Road
James F. Donovan	Ward 7	34 Wellington Road

## Clerk

Charles A. Winslow, 37 Royal Street  
(Who is also the City Clerk)

## Clerk of Committees

Charles T. Daly, 65 Playstead Road

## City Messenger

Arthur E. Crowley, 16 West Street

## CITY OFFICERS AND BOARDS

City Clerk ..... Charles A. Winslow  
 City Treasurer ..... Edward A. Badger  
 City Collector ..... Edward W. Hayes  
 City Auditor ..... Auburn J. Day  
 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

William Cushing Wait ..... Term expires 1921  
 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.....	" "	1921
Ward 4. Clara T. Guild .....	" "	1921
Ward 5. George S. T. Fuller .....	" "	1923
Ward 6. Joseph W. Phelan, Chairman..	" "	1922
Ward 7. Joseph C. Smith .....	" "	1923

**Superintendent of Schools**

Fred H. Nickerson

Office—High School, Forest Street

**Board of Assessors**

Edward S. Randall, Chairman.....	Term expires	1923
Frederick F. Hockaday .....	" "	1919
John A. Ricker .....	" "	1921

**Board of Health**

Alfred J. Hawks, Chairman.....	Term expires	1920
Warren S. McIntire .....	" "	1921
Walter T. Burke .....	" "	1922
Alvin R. Reed, Clerk		

**Overseers of the Poor**

John J. FitzGerald, Chairman.....	Term expires	1922
George J. Hackett .....	" "	1921
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 .....	" "	1921
Walter F. Cushing .....	" "	1921
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
Peter A. McDonald .....	" "	1921

Fred L. Cushing, Water Registrar

Henry F. Hughes, Acting Superintendent

**Trustees of Cemeteries**

Ellery A. Armstrong, Chairman.....	Term expires	1921
Fred W. Rauskolb .....	" "	1920
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, 1921  
John J. Fitzpatrick ..... " " April 1, 1923  
George F. Cotting ..... " " April 1, 1919  
Charles A. Winslow, City Clerk, ex-officio

**Police Department**

John F. Welch, Chief

**Fire Department**

Thomas A. Qualey, Chief



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