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ANGIER L. GOODWIN, MAYOR

CITY OF MELROSE  
MASSACHUSETTS

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# Annual Reports

1921

WITH

Mayor's Inaugural Address

Delivered January 3rd, 1921



PUBLISHED BY ORDER OF THE BOARD OF ALDERMEN  
UNDER THE DIRECTION OF THE CITY CLERK  
AND SPECIAL COMMITTEE

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MELROSE, MASS.  
THE MELROSE FREE PRESS, Inc.  
1922

CITY OF MEMPHIS

# Annual Reports

1851

W. H. RAY & COMPANY'S PRINTING

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# Inaugural Address

## Mayor of Melrose

### HON. ANGIER L. GOODWIN

DELIVERED JANUARY 3, 1921

*Mr. President, Members of the Board of Aldermen:*

To us has been intrusted the responsibility of directing the affairs of the city during the current year. It is my privilege to address the Board of Aldermen, at this, the commencement of our duties, on general conditions. Further communications and recommendations will be addressed to the legislative branch from time to time as occasion may arise.

The fiscal condition of the city is good. Our total net debt on Dec. 31, 1920, is \$608,203.90. Our taxable valuation is \$21,085,400.00. Our borrowing capacity is \$152,603.33.

While our financial condition remains satisfactory, giving us a credit and financial rating far above the average of the cities of the Commonwealth, yet we should exercise the utmost vigilance in our appropriations and expenditures. We begin our labors at a period in our national economic life which is most unsettled. I have grave hesitation in suggesting various public improvements of a major character which I would gladly recommend if general economic conditions were normal. Until conditions with respect to labor and the cost of materials become more settled, we must adopt for our guidance the old Latin maxim, "Make haste slowly."

The management of a municipality is dignified by the term "government". But city management, in the last analysis, is the running of a business, and I believe we have not thoroughly qualified for the duties before us until we have subordinated in our minds the idea that we are members of a government, to the larger and more practical idea that we are the managers of a business. To my mind, this means sacrificing nothing of dignity, but rather it means emphasizing our solemn responsibilities.

Our duty is not alone to the taxpayer of today. We must administer the city business also with reference to the further fact that we are the trustees for the citizen and taxpayer of tomorrow. And while we are endeavoring to legislate wisely for the future as well as for the present, let us remember that there is no such thing as conservatism which lacks the forward look.

It is my purpose to keep every city department on a business basis of operation. Nothing can so much insure the confidence of the citizens as a feeling that the city is being economically and efficiently managed, and no city management can be quite efficient without the confidence of the citizens.



There is no city department with which the people come into such close relationship as the Department of Public Works. Its chief functions are performed in the open, and before the eyes of the taxpayers. In the interests of having a contented people, the city government owes to these who maintain it the particular duty of insuring here the highest possible degree of efficiency and economy. It should be stated, and must be remembered, that this great department with its great variety of duties, in abnormal times like these, operates under conditions of the most trying sort, and criticism ought to be tempered with due regard for the difficulties involved.

We should continue the present policy of street construction, giving the priority to main and subsidiary arteries of travel. Now that our principal thoroughfare is completed, we should go on with the secondary ways as fast as conditions will allow. The building of sidewalks should be extended. We should be ready to undertake this work in every case where the abutters are willing to pay their share of the cost. With the increasing use of the motor vehicle, we must give increased attention to highway repairs and maintenance. A city which neglects its streets, endangers its good repute, and our reputation as a city, say what you will, depends not on what we think of ourselves, but what our neighbors think of us. We will grow in self respect and increase in prosperity in proportion to the care we exercise in pursuing a forward looking policy in all public improvements.

I have long been of the opinion that we should give more specialized attention to city forestry. It is easy to underestimate the importance of careful attention to our shade trees, and the setting and care of new ones. Forestry now occupies a field of its own, and to an extent that could not have been foreseen by our wise predecessors who wrote our city charter twenty years ago. I recommend that we petition the legislature to amend our charter by taking from the Department of Public Works the care of public trees, and creating a Department of Forestry. Such petition should not be made, however, until the Board of Aldermen has considered the matter and given public hearings.

I recommend that attractive sign boards be placed at the main traffic entrances to the city. We are proud of Melrose and we should be proud to let the stranger know where Melrose begins. This would also encourage us both as officials and as citizens, to carefully watch the surroundings to our city approaches, and keep their character of high grade.

We should use every endeavor, officially and by seeking the co-operations of citizens and organizations, to supplement the work of the Board of Survey and the Planning Board, in forestalling, wherever possible, the development of land along undesirable lines. A glaring example of what should be prevented or avoided is the present condition north of the Wyoming Cemetery. Some years ago we enacted a building code, which has been called one of the models of its sort. I had the honor to serve on



the special committee which framed it, and I want to see that code lived up to in every detail. I believe it is not unreasonably stringent. Rather than break it down, I would strengthen it. I want to see every step taken which we can constitutionally take as a city, to prevent the use of unsightly shacks for human habitation.

I recommend the passage of an ordinance to restrict to specified zones the further building of industrial plants or structures to be used for commercial purposes. Every incentive should be furnished for the upbuilding of industry, but a purely residential street or section, ought to be protected from the encroachment of business or industrial plants.

Our appropriation for schools comprises approximately one-third of our total budget. I am familiar with the close scrutiny which the Aldermanic committee on appropriations yearly gives to the requisitions of the School Committee for current expenses, an item which is increasing annually, sometimes with almost staggering proportions. And yet the conclusion is inevitable, that the present standard of Melrose schools must be maintained. We have tried to economize by withholding requested appropriations and forcing the School Department to postpone repairs which were undeniably needed. That sort of alleged economy cannot long be practiced. The appropriating power may well go slowly in approving the non essentials, even though desirable, but the essentials, which really involve the welfare of the pupils in adequately training them to cope with the products of other schools, whether it be in advanced education or the ultimate school of earning a living, and what is more vitally important, those essentials which involve the present and future health of the pupils, must be provided, and we must furnish the funds to pay the bills.

But this is not all. The school buildings are overcrowded and more room is needed. We ought to start today on a definite program of school building improvements involving new construction, and this whole subject may well engage our most serious consideration.

It is worthy of note that the circulation of our Library has now exceeded 104,000 volumes. This circulation for a city of our size is little less than phenomenal, and it is readily apparent that our people will look to us to increase, rather than decrease the facilities for library service. I can think of no greater compliment that we can pay ourselves than to realize that we are one of the banner library towns in Massachusetts.

The Fire Department is charged with responsibilities of the most serious nature, involving not only the preservation of public property, but the preservation of lives. The citizens have the right to rely with the supremest confidence in this department, and we will fail in our solemn obligation to those who have placed us in office, if we neglect any precaution to insure, so far as is humanly possible, the continual functioning of the Fire Department at the maximum of efficiency.

The time will soon come when we should provide new quarters for this department at the Highlands and the East Side. I regard the problem

of a new station at the Highlands as being very definitely related to another very desirable proposed improvement, to wit, the extension of Greenwood Street southerly from Franklin Street. The Highlands fire station should protect not only the Highlands, but the section west of the Boston & Maine tracks, below the Highlands. One problem in connection with a fire station west of the railroad is the number of grade crossings, but there is the underpass at Melrose Street always available. The site of the Highlands station should be relocated and a new street connection made, both with reference to the saving of time in reaching this underpass. We should extend Greenwood Street southerly from Franklin Street, through the present city property occupied by the fire station, to Vinton Street at the curve where it becomes parallel to the railroad. By ultimate extension this street should be continued through Florence Street, thus giving a direct thoroughfare from the Wakefield line to the Malden line, west of the railroad. The desirability of such an improvement was pointed out as far back as 1909, in a comprehensive report of the Metropolitan Improvement Commission. This extension from Franklin Street to Vinton Street would call for a surprisingly small taking of land, and only two residences would be disturbed. I recommend that a start be made this year on this proposition, and that the city proceed to make the necessary taking of land and lay out the street as far as Melrose Street. The assessed value of the land affected is approximately \$9,000. This taking would include the lot on which the new station could be erected later, having egress on both Belmont Street and the proposed new street.

The Police Department should be complimented on its activity in the detection of such minor crimes and offenses as are brought to its attention. Youthful waywardness will always be a problem. Home influences and surroundings in this community are generally good. The city can do much, and our organizations and clubs can do much to provide and secure proper influences for the young of impressionable age.

Eventually there may be some sort of effective censorship of moving pictures. We are fortunate above many cities in the degree of confidence we can repose in the local playhouse managers in the selection of films. Our citizens should be constantly alert in this matter. The "movie" is a tremendous factor in moulding the minds of the young. Our public spirited clubs and organizations which have these matters at heart, would do well to direct a portion of the energy they now use in attacking the so called sex problem films, to that other equally insidious type of film which glorifies the hand that holds a smoking pistol.

The use of cigarettes by boys of school age should cause us deep concern, if for no other reason, from the standpoint of public health. Every ounce of power of the Mayor's office shall be used in conjunction with the Police Department, the School Department and right thinking citizens generally, in every possible endeavor to stamp out in the city of Melrose any illegal selling of cigarettes to minors.

There are three matters of importance which I desire to take up together, because they are, or may be, interrelated. First: the compelling need of quarters for the Police Department; second, the urgent need of

more room for the departments in City Hall; and third, the desirability of starting now, on a suitable memorial to the veterans of the world war. The Police Department has no quarters worthy of the name. We do not even give the officers a room. They have a portion of a corridor in City Hall. We have in this city this splendid structure, which with its magnificent organ and other equipment is the peer of any similar building in the Commonwealth. We have a citizenship probably unexcelled in civic pride and civic enterprise, and yet we continue to house our Police Department, the guardians of our public safety, in a hall-room police station. The cell quarters in the basement are bad from every standpoint. The department cars, which ought to be available in a matter of seconds, are part of the time at the mercy of the congestion of a public garage. The wonder is that public sentiment has not before this forced an improvement in these conditions. We ought to build a new police station and garage for the police automobiles, and I am ready to recommend that this be done, unless it shall develop after full consideration, that it is a wiser policy to provide police quarters in a remodeling of City Hall.

Other departments in City Hall need more room. There should be committee rooms for the Aldermen. The Mayor should have a private office, not because he wants it, but in fairness to those who have city business with him. The Treasurer and Auditor should have separate offices. The charter contemplates, and the theory of municipal financing and accounting is that the Auditor and the Treasurer should be a check on each other. And we perpetuate the paradoxical situation of placing these two departments in the same room. It does not alter the situation because our present Auditor and City Treasurer happen to be men of absolutely irreproachable integrity.

I was in favor of the former plan for the remodeling of City Hall, and I am not convinced but that even now, it is the wise thing to do, particularly in view of the suggestion now pending for the city to provide a permanent memorial to the world war heroes as a part of a plan to use the present City Hall structure as the basis of a comprehensive public improvement.

And so I am calling your attention to these three matters, new police quarters, City Hall improvement, and world war veterans' memorial, together, and I suggest that this whole subject matter be referred at once, to the committee on protection and licenses, the committee on public service, and the special committee on soldiers' and sailors' memorial, sitting jointly, for full consideration.

I particularly urge that we avoid any unnecessary delay in determining what we are to do as a city in permanent commemoration of the services of our world war veterans. Let us make amends for our tardiness in commemorating the valor of former veterans, by speedy action in honor of our latest heroes. Let us emulate the example set by the outgoing administration, for during the war, and since, no city did more for its service men than Melrose, and if his administration were marked by no other signal achievement than his consistent and persistent human interest



in the men who went out from Melrose to take up arms in the country's cause, that remarkable work alone would be sufficient to hold in the affections of our people for all time, the name of our war Mayor, Honorable Charles H. Adams.

The Legislature of 1920 gave our Park Commissioners authority to make rules and regulations to control fishing, ice cutting and the letting of boats for use on Ell Pond, and those pursuits are now unlawful without a license from the Park Commission. Now that we are to have control of Ell Pond, we should regulate the various uses to be made of it. Early provision should be made for proper and adequate life saving apparatus, which should include two boats, under canopy, life preservers and ladders along the shore. With the increasing use made of the Pond for various recreational activities, we should not fail to take all reasonable precautions to aid in the saving of life when endangered.

We are only just beginning to realize the value to the city, as a physical asset, of Ell Pond. Few cities are so fortunate as to have located in their center a body of water so well adapted to such a variety of recreational purposes. I believe we should further encourage winter sports. Each winter ought to see Ell Pond and the Park the scene of a winter carnival with exhibitions and contests in all the ice and snow sports. Nature has given us the setting, we should provide the rest. Our young people are eager for an opportunity to imbibe more of the health-giving zest which comes from winter sports. Whatever we can do as a city to encourage this will, I believe, return us dividends which we can scarcely estimate.

I renew the recommendation previously made by my predecessor, that we provide by ordinance for a Recreation Commission, to be unpaid, the duty of which shall be to encourage and regulate outdoor sports.

Complaint is frequently made because there is delay in issuing common licenses. I do not sympathize with the idea that we should make it easier to procure licenses. The granting of a license to a common victualler or a junk collector seems like a simple matter, but I believe we should not cut any of the alleged red tape now employed. If a license is worth having it is worth waiting for until we can go through the formality of an inquiry by the Board of Aldermen.

There is comparatively little complaint among thinking citizens of our tax rate, for it is readily realized that we must of necessity find the increased cost of everything reflected in the amount we must pay for our current charges. But there is a rather widespread complaint as to real estate assessments. I believe we should authorize a complete revaluation of real estate in the near future. I recommend this subject to your consideration.

The merchants of Melrose are to be congratulated upon their enterprise and activity during the recent holiday season. It is our duty to encourage the merchants to make both their stores and their prices attractive, and then to encourage Melrose people to trade at home. It is our duty because it is to our interests as a city to build up our local trade.

There is a very vital reason why it is of very great importance for the City Hall and the local merchants to work in the closest co-operation.

The value of the printed city report to the citizens diminishes in proportion to the delay in the printing of it. I urge all possible speed in the work of compiling, editing, and printing of this volume for the year just closed.

It is abundantly apparent that the women voters are disposed to take their new duties of citizenship seriously, and to take a deep interest in city government. Eager to assume the responsibilities, they will not shirk in bearing their share of the burdens. I expect to see women more and more filling various places of public trust in city office.

Each year it becomes increasingly important for municipalities to watch proposed legislation at the State House. It is my purpose this year to be alert to any suggesting changes in state laws which will affect the city of Melrose. In this line of duty, I request the Board of Aldermen to co-operate, through standing or special committees as occasion may arise.

We are living in an age of action. Industry today tolerates no drones. Government must not lag in its functions. Every municipal office carries not only the opportunity for labor, but the obligation to labor. Every board and every commission has work to do. Otherwise it would be abolished. Appointment to a city office, board or commission is not made as a compliment, but in the expectation of service and work. It should be accepted in the same spirit.

And now, Honorable Aldermen, I request a continuance of your whole-hearted interest in all our city affairs. It has been my good fortune to serve in your body, and I know both the labor involved and the earnest service rendered, without any hope of reward except the consciousness of duty conscientiously performed and the good will of your constituents. Sometimes you will feel that you receive scant appreciation for your work. I speak from the heart when I say that it will always be my earnest endeavor at all times, whenever and wherever occasion may offer to magnify in the eyes and in the minds of the citizens the honor and dignity of the Melrose Board of Aldermen.

I hope we may work together in harmony. I desire to confer with you frequently, and trust you will frequently confer with me. I will not always agree with you, and you will sometimes disagree with me, but however we may differ in questions of policy, we will, I am sure, be as one, in an ambition to serve the city well.

We start tonight with a mandate from the people. With an opportunity for service which may never be given to some of us again. The book of 1920 is closed. The book of 1921 lies open before us. What shall we do with it?



# GOVERNMENT of the City of Melrose, 1921

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**Mayor**

ANGIER L. GOODWIN

**President of the Board of Aldermen**

LESLIE F. KEENE

**Clerk**

W. DeHAVEN JONES

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## Aldermen-at-Large

	Ward
William A. Carrie, 22 York Terrace . . . . .	1
Llewellyn H. McLain, 76 Wyoming Avenue, East . . . . .	5
John Dike, 112 West Emerson Street . . . . .	4
Carl E. Shumway, 25 Bellevue Avenue . . . . .	4
Leslie F. Keene, 146 Wyoming Avenue, West . . . . .	5
Arthur L. Marr, 236 Foster Street, East . . . . .	6
Albert M. Tibbetts, 109 Meridian Street . . . . .	7

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## Ward Aldermen

Ralph G. Harmon, 19 Belmont Place . . . . .	1
Henry L. Restall, 19 Ferdinand Street . . . . .	1
Lorenzo J. Peabody, 1087 Main Street . . . . .	2
H. Ray Wilson, 818 Main Street . . . . .	2
Frederick W. Patten, 54 Cottage Street . . . . .	3
Benning L. Wentworth, 46 Cleveland Street . . . . .	3
George H. Jackman, 498 Lebanon Street . . . . .	4
Willis A. Smith, 21 Lake Avenue . . . . .	4
Charles B. Camerlin, 88 Florence Street . . . . .	5
James Otis Davenport, 45 Florence Street . . . . .	5
Walter F. Chapman, 321 Foster, Street East . . . . .	6
Walter A. T. Norris, 136 Foster, Street East . . . . .	6
George W. Rogers, 39 Argyle Street . . . . .	7
Nelson J. Sanford, 379 Swain's Pond Avenue . . . . .	7

MELROSE BOARD OF ALDERMEN  
STANDING COMMITTEES FOR 1921

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**Appropriations**

Alderman Tibbetts, Chairman. Harmon, Marr, Carrie, McLain, Wilson, Jackman, Shumway and Dike.

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**Education, Health and Charity**

Alderman McLain, Chairman. Chapman, Patten, Tibbetts, Restall Davenport and Jackman.

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**Finance**

Alderman Shumway, Chairman. Marr, Norris, Davenport, Restall, Dike and Peabody.

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**Highways**

Alderman Carrie, Chairman. Patten, Marr, Sanford, Wilson, Shumway and Camerlin.

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**Protection and Licenses**

Alderman Wilson, Chairman. Camerlin, Harmon, Wentworth, Chapman, Rogers and Smith.

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**Public Service**

Alderman Jackman, Chairman. Norris, Harmon, McLain, Wentworth, Sanford and Smith.

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**Legal and Legislative Matters**

Alderman Keene, Chairman. Patten, Sanford, Tibbetts, Carrie, Peabody, and Rogers.

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**Clerk of Committees**

VICTOR C. KIRMES



# City Officers

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## City Clerk

W. DeHAVEN JONES

---

## Assistant City Clerk and Clerk of Committees

Victor C. Kirmes

---

## City Treasurer

William R. Lavender

---

## City Collector

James W. Murray

---

## City Auditor

William T. Wolley

---

## Engineer and Superintendent of Public Works

George O. W. Servis

---

## Mayor's Clerk

Blanche E. Nickerson

---

## City Solicitor

Charles H. Gilmore

---

## Chief of Fire Department

Joseph Edwards

---

## Chief of Police

George E. Kerr

---

## Inspector of Buildings

William S. Allen

## CITY OF MELROSE

**Inspector of Plumbing**

Andrew J. Burnett

**Inspector of Food**

David O. Parker

**Inspectors of Slaughtering**

David O. Parker

Calvert H. Playdon

**Inspector of Milk and Vinegar**

H. E. Berger, Jr.

**Collector of Milk Samples**

Thomas F. Harris

**Inspector of Animals**

Calvert H. Playdon

**Sealer of Weights and Measures**

William J. Bowser

**Superintendent Brown Tail and Gypsy Moth**

Joh J. McCullough

**Burial Agent**

Mary A. Kenah

**Agent State Military Aid and Soldiers' Relief**

Mary A. Kenah

**Assessors**

Frank R. Upham, term expires 1922

Joshua T. Nowell, term expires 1923

John C. Crolly, term expires 1924

**Assistant Assessors**

Nellie L. Messenger

Mary Anderton

Harriett C. Holdich

CITY OFFICERS

15

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Inspector of Wires

Fred A. Edwards

---

Board of Health

Clarence P. Holden, M.D., Chairman  
William A. Tomer  
Melvin A. Walter  
Lillian H. Wiley, Clerk

---

City Physician

Clarence P. Holden, M.D.

---

School Physicians

Elizabeth Hirst, Edward L. Marr, Albert E. Small

---

Public Health Nurse

Mrs. Myrtle S. Meriam

---

Overseers of the Poor

Adeline G. Reed, Chairman  
Thomas F. Troy  
Eugene L. Pack

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Pratt Farm

Closed November 1, 1918

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Park Commission

Addison L. Winship, Chairman . . . . .	Term expires	1924
Andrew F. Evers . . . . .	" "	1925
Robert A. Perkins . . . . .	" "	1923
Harry N. Vaughn . . . . .	" "	1922
Gustaf E. Johnson . . . . .	" "	1926

School Committee

William Coggeshall, Chairman.....	Term expires	1923
Josiah D. Bullens.....	“ “	1923
F. Janet Habberley.....	“ “	1921
Isabelle Stantial.....	“ “	1921
Paul H. Provandie.....	“ “	1921
William B. Alexander.....	“ “	1922
William T. Atwood.....	“ “	1922
Harry F. Sears.....	“ “	1922
Mabel B. Dole.....	“ “	1923

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Sinking Fund Commissioners

Edward J. Kitching, Chairman.....	Term expires	1922
Franklin P. Shumway.....	“ “	1923
Everett L. Fuller.....	“ “	1924

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Trustees of Public Library

Rev. Paul Sterling, Chairman.....	Term expires	1924
Clara G. Muldoon.....	“ “	1922
Neil Divver.....	“ “	1922
Frank W. Campbell.....	“ “	1923
Mary C. Barton.....	“ “	1923
Charles E. French.....	“ “	1924

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Cemetery Committee

Willis C. Goss, Chairman

Peter H. Ackerman

J. Henry Kunhardt

Victor C. Kirmes, Clerk

Roscoe A. Leavitt, Supt. Wyoming Cemetery

Richard J. T. Roome, Inspector of Graves of Soldiers and Sailors

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Registrars of Voters

Edwin L. Cragin, Chairman.....	Term expires	1922
John J. Keating.....	“ “	1923
Edwin J. Tirrell.....	“ “	1924

W. DeHaven Jones, City Clerk, Ex-Officio

CITY OFFICERS

17

**Engineers of Fire Department**

Joseph Edwards, Chief

Charles F. Woodward, Deputy Chief

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**Public Weighers of Merchandise**

Fred H. Goss	Charles B. Goss
Flora M. Harris	Patrick J. Kervin
Grace F. Gilbert	James G. Stiles
Glenna B. Towner	George E. Findlay
Patrick G. DeCourcy	Enos R. Pye
Josiah Ginns	Richard T. Ricker
James McTiernan	Arnold K. Prior
Charles F. Woodward	Dennis J. Murphy
Mrs. M. A. McDonough	John T. Craven
Albert J. Waghorne	Clifford Thompson
Robert A. Dickson	Edward A. Hearstin
James H. Jeffery	C. Raymond Herald
John F. Rand	

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**Field Driver**

M. James Hanley

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**Pound Keeper**

M. James Hanley

---

**Fence Viewers**

Daniel J. Lucey

Charles H. Everson

---

**Constables**

William H. Burns	M. James Hanley
Louis B. Heaton	George E. Kerr
Charles Roeder	George E. Burke

## CITY OF MELROSE

**Dog Officer**

M. James Hanley

**Keeper of the Lock-up**

George E. Kerr

**Police Officers**

George E. Kerr, Chief  
 Redford M. Rand (Retired)  
 George E. Fuller  
 Wallace B. Eaton  
 Garfield Carpenter  
 Daniel J. Foley  
 Frederick M. Kirmes  
 Michael J. Brennan  
 Patrick H. O'Leary  
 Robert A. Lloyd

Louis B. Heaton, Captain  
 Allston H. Pineo  
 Frank N. Pierce  
 Michael Reardon  
 Albert A. McBeth  
 William A. Riley  
 William T. Fahy, Inspector  
 Joseph V. Curran  
 Harold S. Wolley

**Reserve Officers**

Walter Herbert Wells  
 John W. Holden

Harvey D. Forbes  
 Edwin E. Spraker

**Special Officers**

M. James Hanley  
 Edgar Sherburne

Burgess W. Grover  
 Joseph A. Lavin

**Special Officers to Serve Without Pay**

Edward P. McLaughlin  
 Arthur S. Moreland  
 Roscoe A. Leavitt  
 F. C. Newman  
 Charles W. Burnham

George H. Cray  
 O. S. Davenport  
 Harry H. Thompson  
 Charles J. Wing  
 George W. Higgins  
 Chester W. Woodbury

**Planning Board**

Agnes L. Dodge.....	Term expires	1923
Frank H. Noyes.....	“ “	1922
E. Gertrude Copeland.....	“ “	1922
Albe S. Noyes.....	“ “	1922
Robert L. Briggs.....	“ “	1924
Eva G. Osgood.....	“ “	1924
Albert F. Hussey.....	“ “	1924
Edward E. Prior.....	“ “	1923
George C. Glover.....	“ “	1923

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**Advisory Committee on Memorial Building**

Dr. Frank A. Newman.....	Term expires	1925
Clarence T. Fernald.....	“ “	1925
Fred E. Ellis.....	“ “	1925
Elmer Wilson.....	“ “	1925
Frederick U. Corson.....	“ “	1924
Nellie F. Luce.....	“ “	1924
Ethel G. Collins.....	“ “	1924
Elizabeth M. Stetson.....	“ “	1924
Edward L. Evans.....	“ “	1923
J. Sydney Hitchins.....	“ “	1923
Dr. Walter H. Flanders.....	“ “	1923

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**Board of Survey**

E. Copeland Lang.....	Term expires	1923
William N. Folsom.....	“ “	1922
William E. Waterhouse.....	“ “	1924

# ANNUAL REPORT OF THE SCHOOL DEPT.

## School Committee for 1921

Name	Residence	Term Expires
Harry F. Sears	44 Orris Street . . . .	1923
William B. Alexander	148 E. Foster Street . . . .	1923
William T. Atwood	70 E. Emerson Street . . . .	1923
William Coggeshall	158 E. Foster Street . . . .	1924
Mrs. Mabel B. Dole	24 W. Emerson Street . . . .	1924
Josiah D. Bullens	254 Porter Street . . . .	1924
Mrs. F. Janet Habberley	17 Bellevue Avenue . . . .	1925
Dr. Paul H. Provandie	88 W. Emerson Street . . . .	1925
Mrs. Isabelle Stantial	146 Florence Street . . . .	1925
William Coggeshall, <i>Chairman</i>	William T. Atwood, <i>Secretary</i>	

### Meetings of the Committee

Regular meetings of the School Committee are held in the Committee Room, High School Building, on the second and fourth Mondays of every month, except during July and August, at 7.30 p.m.

### Superintendent of Schools

John C. Anthony 26 Hillside Avenue  
Office: High School Building—Tel. Melrose 55

### Secretary

Dorothy A. Haskell 116 Porter St., Somerville  
Tel. Somerville 1539

### STANDING COMMITTEES

#### Finance and Supplies

Dr. Provandie Mr. Sears Mr. Atwood Mr. Alexander Mr. Bullens

#### Schoolhouses and Janitors

Mr. Atwood Dr. Provandie Mr. Bullens

#### Teachers and Salaries

Mr. Sears Mrs. Stantial Mrs. Habberley Mrs. Dole

#### Text Books and Courses of Study

Mrs. Stantial Mr. Alexander Mrs. Habberley Mrs. Dole

The Chairman of the School Committee is a member, *ex-officio*, of all standing committees.



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 SPECIAL COMMITTEES
 

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## Legislative

Mr. Coggeshall

Mr. Sears

Mr. Atwood

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 VISITING COMMITTEES
 

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High School.....	School Committee
Franklin and Whittier Schools.....	Dr. Provandie
D. W. Gooch School.....	Mrs. Stantial
Mary A. Livermore School.....	Mrs. Habberley
Washington School.....	Mr. Sears
Lincoln School.....	Mr. Atwood
Warren School.....	Mrs. Dole
Sewall and Ripley Schools.....	Mr. Alexander
Winthrop School.....	Mr. Bullens

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 SCHOOL CALENDAR FOR 1922
 

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## WINTER TERM 1922

Opens January 4, and closes February 17

## SPRING TERM 1922

First Half: Opens February 27 and closes April 21.

Second Half: Opens May 1 and closes June 23.

## FALL TERM 1922

Opens September 13, and closes December 21

## HOLIDAYS DURING TERM TIME

Every Saturday, New Year's Day, Washington's Birthday, Patriots' Day, Memorial Day, Columbus Day, and Thanksgiving Day with the half day preceding and the day following it.

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 "NO SCHOOL" SIGNAL
 

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Notice of "no school" will be given by striking the number 22 four times upon the fire alarm, and by sounding the whistle at Factory No. 2, of the Boston Rubber Shoe Company.

The signal will be sounded at 7.15 a.m. for no session in the High School, and at 8.15 for no morning session in all grades below the High School. In case there is to be no afternoon session, the signal will be sounded at 12.45.

# Report of Superintendent of Schools

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To the School Committee of Melrose,

*Ladies and Gentlemen:—*

I herewith submit my annual report as Superintendent of the Public Schools of the City of Melrose. This is the thirty-second in the series and the thirteenth by the present Superintendent.

The most serious problem of our public schools to-day is that of adequate financial support. As a nation we are paying the bills for a great war. We are just beginning to recover from a period of depression. We are weighed down with the burden of taxation. Together with everything else, the cost of education has more than doubled. As in all such times, retrenchment is in the air. After the Civil War, a similar condition existed, and public education had a tremendous setback. Are we to go through a similar period, or shall we see to it that our children, in their preparation for life, are not made to pay the price of the war?

The United States is not only the richest country in the world, but its wealth is enormous. In 1920, this country spent more on luxuries than it has spent on education in 150 years. In 1921, all education, public and private, elementary, secondary and higher, for the entire nation, cost less than \$1,000,000,000. On the other hand, we spent for

Candy and chewing gum.....	\$750,000,000
Soda and similar confections.....	834,000,000
Perfumery, jewelry, silk stockings and other articles of personal adornment.....	959,000,000
Tobacco.....	1,151,000,000
Movies.....	1,000,000,000
Other entertainments.....	897,000,000
Joy rides and pleasure resorts.....	3,000,000,000

(or three times the cost of all education)

One of our greatest states paid more for the suppression of crime than for education.

There is no question but what this nation has the money to do whatever it wishes in the way of education for its children. It is merely a question of how we desire to spend our money. It is equally evident that this is no period in which to handicap our children. They will need all the preparation that we can give them to solve the problems they will be called upon to face.

Public education is the most important undertaking of any community. Adequate support of the schools has the unqualified approval of the great majority of our citizens. Of course no extravagances should be allowed, and a proper return should be required for every expenditure. On the other hand, no backward steps should be undertaken without the full knowledge and consent of a majority of the voters. It is a com-

paratively simple matter for a small group of active people to appear to represent the sentiment of the entire body of voters. Such a group should not be allowed to force retrenchment in the educational opportunities for our children, through the inactivity or lack of information, of the majority of our parents and citizens. The proper education of the more than 3,000 children in the public schools of Melrose is much too important a matter to allow it to become a question of politics or to deteriorate to the plane of petty dispute. The present situation is so vital to the future welfare of our children and of our nation, that it should engage the attention of every parent, citizen and taxpayer, to the end that it may receive the broadest and most liberal consideration.

It is true that the public schools are taking a large proportion of the amount raised by taxation and are constantly needing more because of the increase in school population, the need for higher salaries and the necessary expansion of a modern school system, but our children and the civilization which they must carry on, are worth all that we do for them,—all that they cost us.

The School Committee is directly elected by the voters and are directly responsible to them. They spend weeks in the careful preparation of the budget and always reduce it to the limit of safety. That budget then goes to His Honor the Mayor and then to the Honorable Board of Aldermen for their approval and appropriation. They, in turn, are hampered by the exigencies of the tax rate and by the pressure brought to bear on them to keep that rate down. That pressure bids fair this year to be greater than ever. Whether the public schools are to suffer as a consequence is for the parents, citizens and taxpayers to say.

It is not altogether fitting that the School Committee should be obliged to beg for an adequate budget to educate our children, or that the Board of Aldermen should be forced to cut the necessary amounts because they are given to understand that the taxpayers will not approve the bills. The citizens, as voters, should take charge of this situation and see to it that both these Boards are given assurance of their support.

**Teachers' Salaries.**—The largest single item of our budget, and the one that has increased the most during the last three years, is that of teachers' salaries. Last year we paid our grade teachers, as a maximum salary, less than the average salary paid in all the cities and towns in Massachusetts and much less than in the suburban cities about us. In fact, only four of the thirty-eight cities paid smaller salaries than Melrose.

After consultation between the School Committee and the Board of Aldermen, a schedule was adopted and later was presented to the teachers and accepted by them. This schedule is on the merit basis. It will take several years to complete it and the cost will thus be distributed over that period, but it is essential to the welfare of our schools that this schedule should be carried to consummation. Those entering on teaching service and those continuing in it should have the clearest possible foreknowledge of what their pay is to be from year to year for efficient service.

The effect of constant agitation over teachers' salaries is disastrous. It is such agitation that weakens the morale of the teaching force more than all other experiences combined through which teachers are called upon to pass.

**New Buildings.**—Crowded conditions in the elementary grades are worse than anticipated. We have 58 rooms in these schools. Of this number, 35 have over 40 pupils; 23 have 44 or more pupils; 9 have 50 or more pupils; and only 9 have from 30 to 35 pupils. In the Franklin district the classes are all large, and one first grade is in a basement room. At the Washington School two classes are installed on the third floor, the assembly hall on the same floor has constantly from one to three overflow classes, one group of third grade children is now on part time, and others will have to follow if further room is not provided by next September. The city has the money available. The School Committee has unanimously agreed upon the best available site. Immediate construction should not be further delayed.

**Physical and Health Education.**—With the appointment of a man of unusual training and experience as Director of Physical Education, we have completed our plans for this department. The general purposes of this plan are, First: to get every boy and girl in our schools not only interested in, but actually taking regular part in out of door games and active athletics. Second: to discover those pupils who have any physical defects and therefore need either medical attention, or special corrective exercises.

This fall it was possible to make the required physical examination only in the Freshman Class of the High School. Every physician in the city gave his time without remuneration for this purpose. Every boy and girl was examined, and the results have been given to the public.

In the matter of out of door games, we have introduced soccer football for the boys of the upper grammar grades, volley ball for the girls of those grades and the high school, basket ball for both boys and girls of the high school, also field hockey for the girls and quirts for the boys. Simpler games have been started for the smaller children. In all this work we realize more than ever the handicap of the small play area about our school buildings. The Lincoln School is the only one that has an adequate playground, and steps should be taken gradually to remedy this condition.

In connection with all this work it is well to bear in mind that while the development of strong teams to represent us in athletics must always be incidental and subordinate to the broader purposes of this department, yet the building of stronger and healthier bodies resulting from these methods, the habit of team play and the spirit of true sportsmanship thus engendered, cannot fail to give us stronger athletic teams in the future.

Closely allied with this department is that of Health. Here we have our three school physicians, under control of the Board of Health, and the school nurse, at present under control of the School Committee. These departments have worked in the closest and most harmonious co-operation



for the benefit of our children, and health conditions in our schools have changed very greatly for the better within the past few years. While we cannot yet hope to escape occasional epidemics of such highly infectious diseases as mumps, measles and whooping cough, yet even these are greatly reduced, and in many other ways our children are afforded unusual protection. The result of the examination of the teeth of the children for several years, supplemented by the dental clinic at the Melrose Hospital, has more than justified itself by the very excellent condition as a whole of the teeth of this year's Freshman Class, as shown in the recent examinations. Added to all this we have our regular department of hygiene in the grades, and instruction in the High School with frequent lectures by noted specialists, so that the children are taught throughout their course, not only how to build up a strong body, but at least the fundamental means of keeping that body strong and healthy throughout life.

At a recent meeting of our Community Forum, several representatives of the School Department gave papers containing much valuable information. Lack of space forbids my including them all in this report, although it is to be hoped that they may appear in the local press. I am, however, submitting that of Mr. Sprague, as a report of certain facts in regard to our High School which I feel should be in the hands of every parent.

With deep appreciation of the continued support of the Committee, the teachers and the community, this report is

Respectfully submitted,

JOHN C. ANTHONY,  
*Superintendent of Schools*

IN SCHOOL COMMITTEE  
January 23, 1922

It was **VOTED:**

To accept the report of the Superintendent of Schools and to adopt the same as the annual report of the School Committee for the year 1921

# Report of the Principal of the High School

To Mr. John C. Anthony, *Superintendent of Schools*,  
Melrose, Massachusetts:

Historically speaking, the High School in its beginning and development has been the answer to the people's demand for public secondary education. Therefore, though in essentials it is uniform the country over, it takes on special form from the particular community which it serves. In a city like Melrose there would be little demand for industrial and trade courses, and the school, while being a comprehensive high school, yet would stress largely the cultural. The result is shown in the courses offered, viz.: the College, Scientific, General, and Commercial. These courses, with the exception of the General Course, contain the minimum of essentials. The subjects are carefully selected to attain the desired end. Colleges and technical schools are requiring so much in way of preparation that a heavy burden is placed upon the school to cover the work satisfactorily in four years. In the College Course, time is taken from the purely fitting subjects for only Elementary Science and Community Civics in the first year and Ancient History in the second year. In the Scientific Course, Elementary Science, Community Civics, and Mechanical Drawing are the only subjects not required for entrance preparation. The school can attempt no further work in either course without lengthening the school day or the school year. This is largely true of the Commercial Courses. They embrace subjects which are deemed necessary to the type of preparation which we aim to give and include very few opportunities for elective work. The General Course alone permits of any elasticity. From year to year, however, the variety of elective subjects has proved insufficient for a small but ever increasing group of pupils who for want of other subjects, have turned to the Commercial branches. The time is near when it will be well to consider opening to general pupils definite opportunities along manual lines.

The situation in the high school to-day is typical of its past. At the beginning of the school year, the 664 pupils were divided approximately as follows:

College Course	27%	General Course	23%
Scientific	13%	Commercial	37%

Our problem is very largely academic and calls for the acquisition of the theoretical rather than the practical. For this reason it is a more difficult one than in those schools which offer manual arts courses.

It is the duty of the public schools to develop a responsible and intelligent citizenship. The courses in our high school tend to this very thing. We have no elaborate or expensive equipment and are attempting

no showy work of any kind. We are trying in a broad sense to bring out individual character, to stimulate individual responsibility, and to teach the principles of community living and well being.

To this end, we try to have each pupil placed in the kind of work for which he is best fitted. His choice of a course to begin with is determined after careful consideration by teachers and parents. If later he is found to have made his selection unwisely, adjustments are made to fit the case. Already this year 68 pupils have had changes made in their courses, always after consultation at home, with the teacher, and the principal.

This school is endeavoring more and more to develop its policy of establishing closer relationship between home and school. In addition to the quarterly reports, deficiency reports are regularly sent to the home. Also daily, weekly, and as occasion requires, special reports are made to parents. Through correspondence, telephone and parents' nights at the building, an effort to bring about mutual acquaintance, understanding, and co-operation is made. While this is done through a pupil's entire course, especial care is taken during the first year. Pupils are then under the supervision of teachers who are particularly charged with the duty of following up and advising freshmen. The submaster of the school has supervision over the entire freshman class and in addition to frequent conferences and advice, gives extra help to pupils in subjects in which they are failing. The Dean of Girls keeps informed on the work, health, and circumstances of the girls and is of material assistance in all matters which affect them. I know of no high school which is doing more than we to direct and aid the proper development of pupils. Teachers are at the building regularly on two afternoons each week for special help to those who are failing or have lost work through absence and many have additional appointments on other days. Our "make up" and "trial" system gives every encouragement to pupils who for one reason or another, have failed.

The test of a school doubtless is the quality of its output. The records made by our graduates in college entrance examinations and subsequently in their college course, have done the school not only credit but honor. Below is the record of our pupils in the college entrance examinations for last year:

Total number of examinations recommended	41	Passed	41	100%
“ consented . . . . .	48	“	41	85%
“ without recommendation or consent . . .	30	“	9	30%
“ for all above . . . . .	119	“	91	76%

Each year we receive from colleges notices of the high scholarship standing of some of our graduates. Only recently has announcement been made of honors coming to three Melrose boys at Harvard College. Our business graduates whose work we can check up, prove equally capable and successful. Two of them in the local Savings Bank and one in the

City Treasurer's office, are giving complete satisfaction. Not only does the high school to-day in the work offered seem to be meeting the needs of our city, but is succeeding in its efforts to send out boys and girls who can satisfactorily meet the demands made upon them in their various occupations.

Respectfully submitted,

WILLIAM D. SPRAGUE,  
*Principal*



## TOTAL COST OF ELEMENTARY SCHOOLS

School Year, 1920-1921

## General Control

General Administration Salaries.....	\$3,166.26
Other General Salaries.....	937.55
Other General Expenses.....	1,211.29

## Instruction

Teachers' Salaries.....	104,481.25
Text Books and Supplies.....	6,107.12

## Operation of School Plant

Janitors' Services.....	10,122.32
Fuel.....	11,254.56
Water, Light and Miscellaneous.....	1,521.72

## Maintenance of School Plant

Repairs, Replacement, and Upkeep.....	17,908.80
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## Auxiliary Agencies

Promotion of Health.....	860.00
Transportation.....	1,100.00
Tuition and Miscellaneous.....	647.12

Total.....	\$159,317.99
New Equipment.....	857.42
Total.....	\$160,175.41

## AVERAGE COST PER PUPIL, ELEMENTARY SCHOOLS

for these items, for the School Year, 1920-1921, based on the average membership (2,309) was as follows:—

## General Control

General Administration Salaries.....	\$1.37
Other General Salaries.....	.41
Other General Expenses.....	.53

## CITY OF MELROSE

**Instruction**

Teachers' Salaries.....	45.26
Text Books and Supplies.....	2.64

**Operation of School Plant**

Janitors' Services.....	4.39
Fuel.....	4.88
Water, Light, and Miscellaneous.....	.66

**Maintenance of School Plant**

Repairs, Replacement, and Upkeep.....	7.76
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**Auxiliary Agencies**

Promotion of Health.....	.38
Transportation.....	.48
Tuition and Miscellaneous.....	.24

Total.....	\$69.00
New Equipment.....	.37
Total.....	\$69.37

**TOTAL COST OF HIGH SCHOOL**

School Year, 1920-1921

**General Control**

General Administration Salaries.....	\$833.74
Other General Salaries.....	247.00
Other General Expenses.....	319.12

**Instruction**

Teachers' Salaries.....	55,299.97
Text Books and Supplies.....	3,929.78

**Operation of School Plant**

Janitors' Services.....	4,714.32
Fuel.....	4,081.67
Water, Light and Miscellaneous.....	1,039.06

**Maintenance of School Plant**

Repairs, Replacement, and Upkeep.....	2,236.53
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**Auxiliary Agencies**

Tuition and Miscellaneous.....	476.18
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Total.....	\$73,177.37
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New Equipment.....	3,097.80
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Total.....	\$76,275.17
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**AVERAGE COST PER PUPIL, HIGH SCHOOL**

for these items, for the School Year, 1920-1921, based on the average membership (608) was as follows:—

**General Control**

General Administration Salaries.....	\$1.37
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Other General Salaries.....	.41
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Other General Expenses.....	.53
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**Instruction**

Teachers' Salaries.....	90.95
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Text Books and Supplies.....	6.46
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**Operation of School Plant**

Janitors' Services.....	7.75
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Fuel.....	6.71
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Water, Light and Miscellaneous.....	1.71
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**Maintenance of School Plant**

Repairs, Replacement, and Upkeep.....	3.68
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**Auxiliary Agencies**

Tuition and Miscellaneous.....	.78
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Total.....	\$120.35
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New Equipment.....	5.10
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Total.....	\$125.45
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## TOTAL COST OF ALL SCHOOLS

School Year, 1920-1921

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General Control

General Administration Salaries.....	\$4,000.00
Other General Salaries.....	1,184.55
Other General Expenses.....	1,530.41

## Instruction

Teachers' Salaries.....	159,781.22
Text Books and Supplies.....	10,036.90

## Operation of School Plant

Janitors' Services.....	14,836.64
Fuel.....	15,336.23
Water, Light and Miscellaneous.....	2,560.78

## Maintenance of School Plant

Repairs, Replacement, and Upkeep.....	20,145.33
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## Auxiliary Agencies

Promotion of Health.....	860.00
Transportation.....	1,100.00
Tuition and Miscellaneous.....	1,123.30

Total.....	<u>\$232,495.36</u>
New Equipment.....	<u>3,955.22</u>
Total.....	<u>\$236,450.58</u>

## AVERAGE COST PER PUPIL

## OF ALL SCHOOLS

Based on average membership (2,917)

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General Control

General Administration Salaries.....	\$1.37
Other General Salaries.....	.41
Other General Expenses.....	.53

## Instruction

Teachers' Salaries.....	54.78
Text Books and Supplies.....	3.44

SCHOOL REPORT 33

Operation of School Plant

Janitors' Services.....	5.09
Fuel.....	5.26
Water, Light, and Miscellaneous.....	.88

Maintenance of School Plant

Repairs, Replacement, and Upkeep.....	6.90
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Auxiliary Agencies

Promotion of Health.....	.29
Transportation.....	.38
Tuition and Miscellaneous.....	.39

Total.....	<u>\$79.72</u>
New Equipment.....	1.36

Total.....	<u>\$81.08</u>
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SUMMARY OF THE PRINCIPALS' REPORTS FOR THE SCHOOL YEAR, 1920-1921  
By Schools No. 1

SCHOOLS	Number of Different Pupils Enrolled Exclusive of Re-enrollments	Number of Boys	Number of Girls	Average Membership	Average Attendance	Pct Cent of Attendance
High School.....	647	334	313	608.80	582.07	95.59
Franklin.....	348	176	172	329.73	313.94	95.21
Whittier.....	214	105	109	197.53	188.05	95.20
Washington.....	493	243	250	478.38	462.21	96.61
Livermore.....	170	87	83	172.75	166.27	96.24
Sewall.....	165	89	76	162.20	153.81	94.82
Lincoln.....	333	176	157	306.35	289.53	94.50
Gooch.....	316	169	147	299.45	286.79	95.76
Warren.....	191	103	88	178.47	166.82	93.47
Winthrop.....	158	84	74	154.60	145.48	94.10
Ripley.....	24	14	10	29.90	28.02	93.74
Total.....	3,059	1,580	1,479	2,918.25	2,782.99	95.39



SUMMARY OF THE PRINCIPALS' REPORTS FOR THE SCHOOL YEAR, 1920-1921

By Grades, No. 2

GRADES	Number of Different Pupils Enrolled, Exclusive of Re-enrollments	Number of Boys	Number of Girls	Average		Per Cent of Attendance
				Membership	Attendance	
High School	647	334	313	608.89	582.07	95.59
Eighth	249	130	119	242.31	234.90	97.77
Seventh	294	140	154	273.25	262.07	95.90
Sixth	280	142	138	269.71	258.72	95.18
Fifth	200	137	163	291.72	279.28	95.73
Fourth	309	159	147	296.15	282.39	95.00
Third	300	156	144	296.69	281.65	94.93
Second	308	169	139	293.15	277.56	94.68
First	285	213	162	348.38	324.35	93.10
Total	3,059	1,580	1,479	2,918.25	2,782.99	95.39

CITY OF MELBOURNE

Per Cent of Attendance

Average Attendance

Average Membership

Number of Girls

Number of Boys

Number of Different Pupils Enrolled, Exclusive of Re-enrollments

GRADES

Total

High School

Eighth

Seventh

Sixth

Fifth

Fourth

Third

Second

First

Total

High School

Eighth

Seventh

Sixth

Fifth

Fourth

Third

Second

First

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High School

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Total

High School

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## NUMBER OF TEACHERS IN THE DIFFERENT DEPARTMENTS

December 31, 1921

	Male	Female	Total
High (Grades IX, X, XI, XII).....	10	22	32
Grammar (Grades V, VI, VII, VIII).....	0	36	36
Primary (Grades I, II, III, IV).....	0	37	37
Supervisors, Music.....	0	1	1
Drawing and Sewing.....	0	2	2
Manual Training.....	2	0	2
Primary.....	0	1	1
Physical Education.....	1	1	2
Americanization.....	0	1	1
Nurse.....	0	1	1
Total.....	13	102	115

## NUMBER OF PUPILS IN THE DIFFERENT GRADES

December 31, 1921

Primary, Grade I.....	330
Grade II.....	328
Grade III.....	318
Grade IV.....	316
Grammar, Grade V.....	295
Grade VI.....	292
Grade VII.....	277
Grade VIII.....	257
High, Freshman Class.....	235
Sophomore Class.....	159
Junior Class.....	156
Senior Class.....	98
Post Graduate Class.....	11
Total.....	3,072

## AVERAGE AGE OF PUPILS IN THE DIFFERENT GRADES

September, 1921

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Primary,	Grade I.....	6 years	11 months
	Grade II.....	7 years	11 months
	Grade III.....	8 years	4 months
	Grade IV.....	9 years	9 months
Grammar,	Grade V.....	10 years	7 months
	Grade VI.....	11 years	8 months
	Grade VII.....	12 years	8 months
	Grade VIII.....	13 years	2 months
High,	Freshman Class.....	14 years	7 months
	Sophomore Class.....	15 years	5 months
	Junior Class.....	16 years	3 months
	Senior Class.....	17 years	6 months

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## CLASS OF 1921

Herbert Edmund Aitken	Elsie Ramsdell Littlefield
Charles Elliott Anderson	Myrtle Lillian Littlefield
Phillip W. Ansell	Caroline M. Lord
James Neil Armstrong	Richard M. Loud
Charlotte Redstone Babson	Margaret Lovejoy
Joseph Thomas Barrett	Catherine Agnes Lucey
Welden N. Beard	Marion Charlotte Mace
Allen Hallett Bearse, Jr.	Helen Maguire
Esther Hayward Briggs	George Edward Manser, Jr.
Charles Norton Brown	Albert Marnett
Esther Marion Brown	Cora Wilhelmina Mason
Dorothy E. Buckley	Theo Brown Mathias
Harriet Shepard Burr	George William Maxwell
Kathryn Butters	James Burton McKie
Alice Bowen Butts	Edward Dennis McLaughlin
John Ewart Calley	Lena Mendalovitz
Frank Morton Carpenter	Roy Leon Merritt
Margery Carr	Harold Edgar Mosher
Joseph Addison Casey	George Colburn Myrick
Pearl Finch Champlin	Ruth Newhall
Henry C. Churbuck	Charles Rupert Northrup
Charles S. Coburn	Dwight Coburn Otis
Leslie Newell Cortshell	Albert Ira Parker
Geraldine Cragin	Lucile May Patten
Lester Prescott Cramb	Lawrence Scribner Philbrick
Carl G. Crocker	Elizabeth Pierce
Lenore R. Davis	Alice Isabel Reed
Clifton Harling Day	Grace Darling Rich
Mary Elizabeth Delaney	Stanley Maynard Ritchie
Doris E. Denley	Albert Edward Robertson
John Henry Desmond	Paul L. Sackett
Phyllis Ambler Dow	Herbert Chase Sawtelle, Jr.
M. Eileen Dunlay	Pauline Smith Sawyer
Carl H. Ehrenborg	John M. Schofield
Greta Kathleen Ehrenborg	Roscoe Springer Scott
Robert W. Emery	Henry Franklin Sears
H. Elliott Fuller	James George Shaw
Margery Anna Fulton	John Bernard Simonds
Victor H. Gabriel	Marcia Priscilla Smith
Francis M. Garvey	Margaret D. Sparhawk
Crenville B. Gerrish	Marion C. Sparhawk
George E. Gilbert	Gladys Louise Stevens
Archie Gittes	Albert Perkins Stewart
Lillian Alfreda Goodnow	Harold H. Swain

Warren A. Greenlaw, Jr.	Irene Hamilton Tay
M. Christine Greenleaf	Albert Lawrence Taylor
Mitchell D. Grossman	Rosalie Taylor
Marion Eleanor Gurney	Dorothy Frances Tower
Robert R. Habberley	Gladys Winifred Tower
Rachel M. Hall	Agnes Virginia Troy
Marshall P. Harris	Wilson Turner
Charlotte Kent Hodsdon	Donald Carleton Underwood
Katherine Illsley	Edward Alexander Wakelin
W. Russell Johnson	Hortense Walcott
James P. Kennedy	Herbert Ashley Weeks, Jr.
Dorothy Elizabeth Knight	Loren James Westhaver
Dorothy E. Landick	John Rollins Wellman
Myles J. Lane	Geraldine Wilder
Dorothy Ellen Leonard	Mildred B. Wilkinson
Ruth Willow Lewis	Harold Wilson

Grace E. Wright

100,000.00	.....	Local Taxes
25,000.00	.....	Personal Income
100,000.00	.....	State Taxes
<hr/>		
225,000.00	.....	
100,000.00	.....	State Tax
100,000.00	.....	County Tax
100,000.00	.....	Municipal Sewer Tax
100,000.00	.....	Municipal Park Tax
100,000.00	.....	State Highway Tax
100,000.00	.....	Clinton River Road
100,000.00	.....	The Foundation
100,000.00	.....	Eastern Shore St. Highway Road
100,000.00	.....	City Budget
100,000.00	.....	W. H. Jones (4,000.00)
100,000.00	.....	Quincy
<hr/>		
1,000,000.00	.....	Less Income Tax
1,000,000.00	.....	Less Gifted Fund
1,000,000.00	.....	Less Property
<hr/>		
1,000,000.00	.....	
<hr/>		
1,000,000.00	.....	

# Assessors' Report

## TAXABLE VALUATION OF THE CITY

Real Estate.....	\$19,871,300.00
Personal Estate.....	2,606,050.00
	<hr/>
	\$22,477,350.00
Rate of taxation \$30.80 per \$1,000.00.	

## Amount Raised on Property and Polls as Followsz

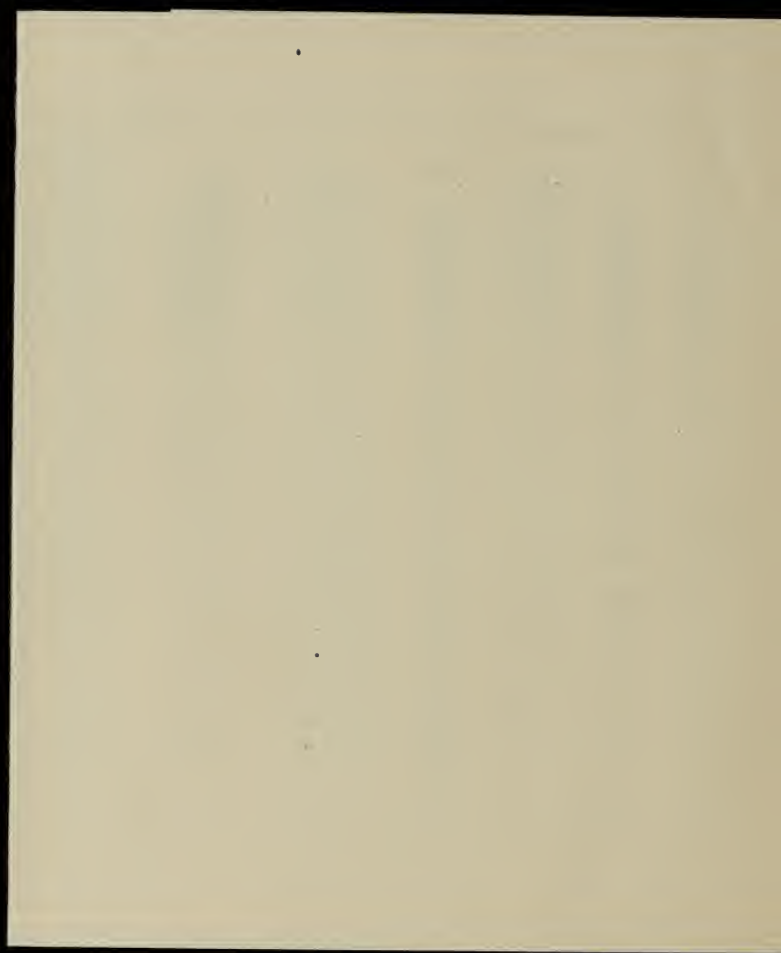
Real Estate.....	\$612,036.04
Personal Estate.....	80,266.34
4,661 Polls at \$5.00 each.....	23,305.00
	<hr/>
	\$715,607.38
State Tax.....	\$57,174.00
County Tax.....	31,197.18
Metropolitan Sewer Tax.....	23,477.16
Metropolitan Park Tax.....	13,576.76
State Highway Tax.....	545.34
Charles River Basin.....	2,254.37
Fire Prevention.....	182.54
Eastern Mass. St. Railway Tax.....	541.78
City Budget.....	623,903.04
War Bonus (4,661 polls at \$3.00).....	13,983.00
Overlay.....	10,697.21
	<hr/>
	\$777,502.38
Less Income Tax.....	\$39,268.00
Less School Fund.....	21,400.00
Less Receipts.....	1,227.00
	<hr/>
	\$61,895.00
	<hr/>
	\$715,607.38



# ADDENDUM

Year	Census	Dwell-ings	Polls	Value Buildings	Value Land	Total Val. Real Estate	Value Personal Estate	Total Valuation	Rate per \$1,000	City Appropriation	Sewer-age Tax	Park Tax	State Tax	County Tax	Overlay	Total Tax Levy	Year
1900	12,715	3,237	3,650	\$7,582,525	\$4,398,150	\$11,980,675	\$797,690	\$12,778,365	\$18.00	\$199,837.41	\$9,431.01	.....	\$6,645.00	\$11,857.11		\$237,310.57	1900
1901	12,781	3,248	3,711	7,610,850	5,993,025	13,603,875	1,286,890	14,890,765	16.20	206,635.82	9,727.23	.....	7,473.50	13,388.55	*11,463.29	248,652.39	1901
1902	13,369	3,280	3,931	7,781,400	5,927,575	13,708,975	1,656,505	15,365,480	17.20	237,107.27	10,561.13	\$1,977.83	6,375.00	13,365.88	2,861.15	272,148.26	1902
1903	13,641	3,312	4,052	7,865,250	5,915,375	13,780,625	1,397,005	15,177,630	18.00	237,087.74	10,808.84	5,169.59	10,625.00	13,917.89	3,692.28	281,301.34	1903
1904	14,021	3,319	4,137	7,945,700	5,867,625	13,813,325	1,424,530	15,237,855	17.40	225,003.32	11,744.15	5,696.87	11,625.00	15,716.05	3,627.28	273,412.67	1904
1905	14,559	3,334	4,235	8,020,150	5,845,800	13,865,950	1,463,745	15,329,695	18.00	227,044.58	12,077.04	5,922.31	18,600.00	15,272.57	5,488.01	284,404.51	1905
1906	14,572	3,363	4,235	8,131,450	5,787,100	13,918,550	1,559,330	15,477,880	17.80	229,066.55	12,222.49	6,183.01	16,275.00	16,188.40	4,100.81	283,976.26	1906
1907	14,860	3,382	4,318	8,288,850	5,781,500	14,070,350	1,664,060	15,734,410	17.00	219,753.24	9,264.95	7,183.32	18,000.00	15,880.08	6,038.36	276,120.97	1907
1908	15,122	3,393	4,344	8,450,675	5,788,475	14,239,150	1,733,810	15,972,960	18.50	234,100.42	14,397.93	7,868.56	*102.00	15,606.50	7,444.60	304,187.76	1908
1909	15,246	3,416	4,438	8,627,425	5,775,725	14,403,150	1,746,675	16,149,825	19.30	250,100.51	13,567.95	8,158.34	24,750.00	17,250.17	11,220.90	320,567.62	1909
1910	15,735	3,447	4,490	8,865,325	5,771,450	14,636,775	1,827,090	16,463,865	19.40	255,567.13	14,834.95	8,494.76	*19.75	16,478.32	9,224.31	328,378.98	1910
1911	16,118	3,503	4,515	9,164,225	5,757,450	14,921,675	1,975,950	16,897,625	20.40	276,517.13	15,496.52	11,634.39	23,760.00	15,170.07	7,067.28	353,741.55	1911
1912	16,241	3,564	4,596	9,452,650	5,757,150	15,209,800	2,213,000	17,422,800	20.40	283,731.71	15,804.48	9,412.75	*4,076.16	14,860.33	12,466.03	364,517.12	1912
1913	16,612	3,611	4,620	9,791,425	5,791,425	15,582,850	2,420,900	18,003,750	20.40	289,544.80	17,103.24	*1,323.37	27,000.00	16,466.40	7,316.90	376,511.91	1913
1914	17,037	3,674	4,685	10,144,550	5,816,700	15,961,250	2,606,080	18,567,330	21.70	316,917.47	17,437.18	10,262.39	*1,655.79	19,577.92	10,154.95	412,281.06	1914
1915	17,096	3,748	4,850	10,494,300	5,823,300	16,317,600	2,623,780	18,941,380	23.70	359,106.29	17,201.57	10,558.39	67.65	20,682.55	9,236.85	458,610.70	1915
1916	17,317	3,864	4,949	10,957,650	5,891,700	16,849,350	2,795,800	19,645,150	22.00	350,771.03	16,153.54	1,731.04	32,000.00	20,650.93	12,008.66	442,091.30	1916
1917	17,275	3,958	5,061	11,326,050	5,916,700	17,242,750	1,530,000	18,772,750	23.40	379,561.18	17,657.22	1,621.29	*1,834.04	19,871.65	14,833.40	449,404.35	1917
1918	17,353	3,964	5,043	11,519,250	5,912,150	17,431,400	1,644,975	19,076,375	23.40	413,680.07	18,851.06	10,464.99	200.54	21,532.85	11,719.08	428,835.14	1918
1919	18,114	3,973	5,169	12,203,650	6,048,425	18,252,075	1,951,500	20,203,575	26.20	488,671.38	18,714.38	1,974.84	43,450.00	22,040.33	8,045.26	522,252.43	1919
1920	18,371	3,981	4,585	12,799,450	6,079,350	18,878,800	2,206,600	21,085,400	29.50	569,876.17	19,111.76	2,007.80	208.65	23,923.39	9,098.07	597,830.22	1920
1921	18,670	4,010	4,661	13,453,550	6,417,750	19,871,300	2,606,050	22,477,350	30.80	623,903.04	23,447.16	12,182.89	286.41	23,923.39	10,697.21	708,821.41	1921
												*2,177.13	57,174.00	23,923.39	13,983.00	61,895.00	
												†2,254.37	†545.34	724.32			

\*Charles River Basin      †State Highway.      Miscellaneous      Estimated Receipts.





## ASSESSORS' REPORT

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Supplemental Assessments.....	30,700.00
Street Sprinkling Assessed.....	23,585.21
Moth Tax Assessed.....	173.13
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Number of Residents Assessed.....	3,227
Number of Non-residents Assessed.....	680
Number of Persons Assessed for Poll Tax only.....	3,084
Number of Horses Assessed.....	117
Number of Cows Assessed.....	260
Number of Dwellings Assessed.....	4,010
Valuation of Exempted Property.....	584,000.00
Houses of Religious Worship.....	371,575.00
Literary and Benevolent Institutions.....	212,525.00

Respectfully submitted,

FRANK R. UPHAM  
 JOSHUA T. NOWELL  
 JOHN C. CROLLY,

*Assessors*

## Report of Inspector of Wires

I respectfully submit the following report of the Wire Department for the year ending December 31, 1921.

**FIRE ALARM SYSTEM**—Four hundred and ten inspections of box movements were made making the necessary repairs. Forty-one two-pin and twenty-three four-pin arms were replaced with new ones. Ten street boxes have been equipped with key-less doors. The sleet storm of November 27th was the worst in years, it completely crippled this system, as all street boxes and circuit were put out of commission. On the afternoon of December 7th all boxes and circuits were working temporarily. Up to January 1st we re-run three and one-half miles of wire and replaced sixty-five cross arms damaged by the storm.

**POLICE SIGNAL SYSTEM**.—Thirty two-pin and twenty-one four-pin arms have been replaced with new ones. Three hundred and five inspections have been made of box movements. Two miles of wire have been run in. The storm of November 27th disabled all but two boxes on the Police Signal System. The wire on this system will all have to be re-run. Up to January 1st we have pulled in three miles of new wire and replaced one hundred and two arms damaged by the storm. The Red Light System was all out of commission, the wire on this system will have to be pulled in new as it was practically ruined as the insulation has been chafed or burnt off in trees.

**INSPECTION OF WIRES**.—Seventeen hundred and six inspections of old and new work was made issuing Five hundred and ten permits, allowing current to be turned on.

**RECOMMENDATIONS**.—The purchase of an eight circuit repeater to be installed at Fire Alarm Headquarters. That a Fire Alarm Box be installed on every schoolhouse. That the City Wires be pulled in underground on Main Street from Goodyear Avenue to the Wakefield line.

Respectfully submitted,

FRED A. EDWARDS,  
*Wire Inspector*

Report of Inspector of Buildings

— This is the banner year since 1913, 306 permits have been issued, which placed at a fair valuation amounts to \$564,195.00 divided as follows:

66 Houses valued at .....	\$326,750.00
120 Garages .....	73,465.00
30 other buildings valued at .....	58,935.00
90 Alterations " " .....	104,045.00
<hr/>	<hr/>
306.....	564,195.00

These figures are \$213,385.00 more than those for 1920, and a larger proportion of the work has been actually carried on than in previous years.

Provisions have been made for the housing of 80 more families than there were accommodations for last year.

Because of the various problems this Department has been called upon to consider, this report must deal largely, with seeming needs and recommendations.

The erection of the Flax Block, on Main Street, has shown the need of a nearer fireproof construction on the inside of stores erected in the fire limits.

There should be a masonry wall, or one as good as a brick or cement filled partition, or one covered with wire laths and cement plaster, at certain intervals in a block of stores, the same to extend from a foundation in the cellar, to the roof.

This same block, has also shown the need of establishing street lines for building construction. If, the owner had exercised the right he had of building on the street line, it would have been 2 feet nearer than any building near it, and at least 6 feet nearer than Carter's Block (so called).

An act was accepted by the board some few years ago that gave the City power to do this, but no commission has as yet been appointed to district the city and put it in effect.

There has been some of the best building construction carried on this year that the Department has ever known, and some of the *worst*, the latter not so much in the strength of the material and the way it was put together, but, the covering of the walls, roofs, and the general design, and things over which the Department has no control, yet it is detrimental to the development of property in the immediate vicinity. Certain Court Decisions have recently been made, which may in a measure help to solve the problem.

There are as usual, those who will start alterations without a permit, and those who have no pride in their work, who do what they are obliged to do, and then only as pressure is brought to bear.

It is the aim of the Department to aid and encourage building development that is beneficial to the City, but, because of this attitude, some have tried to take advantage of it, and it is evident that some persons will have to be refused the right to build, or placed under bonds to assure compliance with the ordinances.

I wish to thank any and all who by constructive criticism, information, or in any way have aided in carrying on the work of this Department.

Respectfully submitted,

WILLIAM S. ALLEN, *Inspector of Buildings*

# Report of the Board of Health

## MEMBERS OF THE BOARD OF HEALTH

Dr. Clarence P. Holden . . . . .	9 Winthrop Street
William A. Tomer . . . . .	8 Greystone Road
Melvin A. Walter . . . . .	39 Cleveland Street

## OTHER OFFICERS

Mrs. Lillian H. Willey, *Clerk.*

Andrew J. Burnett, *Plumbing and Sanitary Inspector.*

C. H. Playdon, V. S., *Inspector of Animals and Slaughtering.*

Kenneth B. Hadley, *Inspector of Food Products*

Henry E. Berger, *Inspector of Milk.*

Dr. Albert E. Small, Dr. Edward L. Marr, Dr. Elizabeth Hirst, Dr. Joseph

H. Fay, *Medical Inspectors of Schools.*

Mrs. Myrtle S. Meriam, *Public Health Nurse.*

*To the Honorable Mayor and Board of Aldermen, City of Melrose:—*

*Gentlemen:—*The Board of Health respectfully submits herewith its annual report for the year ending December 31st, 1921.

The membership is as follows, to wit,—Clarence P. Holden, M.D., William A. Tomer, and Melvin A. Walter.

**General Health.**—The general health of the city during the year 1921 as shown by the records of the Board of Health, also as shown by reports of deaths was remarkably good, there being only 207 deaths in the city, which is the lowest number during any one of the past five years.

**Diphtheria.**—There was a total of 69 cases of diphtheria with 3 deaths, all preventable by early diagnosis and proper treatment. In October, November and December the Board of Health received reports of 36 cases of diphtheria, nearly all in the Highlands district. Twelve of these were mild cases, in some of them the disease being confined to the nose alone, and the report was due to the vigilance of the school physicians, nurses, and teachers. What the discovery and isolation of twelve cases of diphtheria means to the community can hardly be measured in terms of dollars and cents, but it certainly is worth many times the cost of medical inspection of schools in this city.

**Typhoid Fever.**—There were 6 cases of typhoid fever with 1 death and all cases originated outside of Melrose.

**Influenza and pneumonia** were responsible for 17 deaths.

**Encephalitis Lethargica.**—One case of encephalitis lethargica or sleeping sickness, which was fatal, occurred in 1921, but this was not contracted in Melrose.



**Report of the Board of Health**

Tuberculosis.—Cases on the list Dec. 31, 1920.....	33
New cases reported in 1921.....	16
New cases reported by death only.....	1
New cases reported by removals to Melrose from other places.....	3
Total.....	53
Disposition.....	
To the arrested list.....	2
Removals.....	2
Deaths from tuberculosis.....	14
Deaths from other causes.....	2
Total deaths.....	16
Cases on the list Dec. 31, 1921.....	29
Cases in hospitals during year.....	13
Expenditures in 1921.....	\$767.78

The activities of the Melrose Anti-Tuberculosis Association has relieved the city of a considerable amount in the care of cases of tuberculosis.

**Summer Health and Play School.**—The Board of Health assumed a general supervision of the work of the Summer Health and Play School, a full report of which will be found in the report of the Public Health Nurse.

**Bacteriology.**—The bacteriological examination of milk is done by the Inspector of Milk, whose report follows in detail. Other bacteriological work is sent to the laboratories of the State Department of Health.

**Vaccination.**—Fifty-nine successful vaccinations have been performed at this office, and ninety-four certificates of successful vaccination have been issued.

**Work Certificates.**—Health certificates to work were given to thirty-three children.

**MEDICAL INSPECTION OF SCHOOLS**

Medical inspection of schools was inaugurated to assist in the control of contagious disease. The scope of this work is changing so that to-day the most important feature is along the lines of general physical welfare of our school children.

Rather alarming reports of physical defects of school children have been made public in other cities. In Melrose we find that by far the larger number of defects refer to the teeth, throat and nose. In all such cases efforts are made to have treatment by their own physicians and dentists, and if this fails to secure free treatment at the Moses Page Dental Clinic at the Melrose Hospital, and operations for tonsils and adenoids.



We do find, however, that too many children are underweight for their ages or undernourished. To combat this evil, we have the Summer Health and Play School, milk and lunches in the schools at nominal cost and a constant effort for a more intelligent feeding of children at home.

Monthly weighing of pupils is being carried on in nearly all of the schools and the School Department through the physical directors and teachers, is doing work of great value. Education costs too much for us to neglect to put and keep our children FIT.

#### GARBAGE

The collection of garbage under the existing contracts was more satisfactory to the Board and we believe to the public than ever before. With improved service the demands of the public, however, become more exacting, and the Board regrets to say that some householders will not recognize their own responsibilities, viz,—to provide suitable receptacles and put only *drained household food waste* into the garbage cans.

#### BARBER SHOPS

The barber shops have been inspected, and are rated from a sanitary viewpoint as good, fair, and unclean—7 are rated good; 2 are rated fair; none are rated unclean.

#### DAIRY INSPECTION

Dairies are rated as good, fair, and unclean.—18 were rated good; 8 were rated fair; none were rated unclean. 102 licenses were issued:—53 to sell milk from stores; 28 to sell milk from wagons; 20 to sell oleomargarine and 1 to sell ice-cream.

For detailed facts as to the milk supply in Melrose, you are referred to the report of the Inspector of Milk.

#### BAKERY REGISTRATION AND INSPECTION

Inspection of bakeries is now required by law. During the year 10 bakeries have been registered; 2 have been discontinued. Many changes required by law and the regulations of the State Department of Public Health have been complied with. Sixty-five places selling food products inspected; 45 classed as good, 20 classed as fair.

#### NUISANCES

The following is a list of nuisances abated by order of the Board of Health or its agent, during the year and in parallel column, nuisances abated during the previous year.

	1920	1921
Privy nuisance.....	2	1
Cesspool nuisance.....	13	3
Premises connected with sewer by order of Board.....		1
Hen nuisance.....	3	1
Dumping nuisance.....	12	6
Uncleanly premises.....	7	7
Pig nuisance.....	2	2
Stagnant water.....	2	4
Defective plumbing.....	1	
Defective drainage.....	3	4
Exposed or offensive garbage.....	1	1
No water or defective supply.....	4	1
Collecting garbage without a permit.....	10	
Other nuisances.....	4	3
Complaints investigated and no cause for complaint.....	6	11
Dead animals buried.....	63	69

#### UNDERTAKERS

The following named undertakers have been licensed: Henry W Clark, John H. Gately, Fred T. Churchill, F. Sears Stetson, Albert J Walton, and Harry F. Ferguson.

#### BOARDING HOUSES FOR INFANTS

The Board has approved the applications of the following named persons to maintain boarding houses for infants:—Mrs. Mary E. Silver, Mrs. Nellie Crosby, Mrs. Dorothy Brown, Mrs. Helen Loeser, and Mrs Marie Mitchell.

Table I  
FINANCIAL STATEMENT

	1920	1920 Totals	1921	1921 Totals
Total Appropriations . . . . .		\$14,700.00		\$14,240.00
<b>EXPENDITURES</b>				
General Administration . . . . .		\$1,778.25		\$1,849.46
Salary of Board . . . . .	\$870.00		\$870.00	
Salary of Clerk . . . . .	653.42		758.00	
Telephone . . . . .	62.44		62.51	
Stationery and Postage . . . . .	80.62		28.26	
Transportation and use of car . . . . .	96.63		92.00	
Sundries . . . . .	15.14		38.69	
Other Expenses . . . . .		\$1,674.28		\$1,685.99
Plumbing Inspection . . . . .	850.00		850.00	
Vacation Plumbing Inspector . . . . .	25.00		25.00	
Sanitary Inspection . . . . .	250.00		250.00	
Burial of Dead Animals . . . . .	57.75		77.25	
Dumps and Dump Signs . . . . .	34.00		24.42	
Medicine . . . . .	27.09		15.14	
Office Supplies . . . . .	102.94		26.56	
Transportation and use of car . . . . .	95.54		102.42	
Ads and Reports . . . . .	116.75		62.25	
Inspection of Slaughtering and Food . . . . .	98.00		92.00	
Inspection of Household Garbage Storage . . . . .			128.00	
Sundries . . . . .	17.21		32.95	
Quarantine and Contagious Disease Hospital . . . . .		1,180.00		1,585.43
Maintenance of patients at Hos- pitals . . . . .	835.06		1,203.00	
Reimbursement of Other Cities . . . . .			292.43	
Transportation and use of car . . . . .	90.00		90.00	
Outside Aid . . . . .	254.94			
Inspection . . . . .		1,815.08		1,850.00
Inspection of School Children . . . . .	450.00		450.00	
Inspection of Milk . . . . .	100.00		100.00	
Inspection of Animals and Slaughtering . . . . .	165.08		200.00	
Public Health Nurse . . . . .	700.00		700.00	
Milk Analyses . . . . .	400.00		400.00	
Refuse and Garbage Disposal . . . . .		5,226.62		5,760.00
Tuberculosis . . . . .		323.79		767.78
Outside Aid . . . . .	1.85		37.03	
Board and Supplies in Hospitals Sputum Cups . . . . .	321.94		625.00	
Transportation and use of car . . . . .			15.75	
			90.00	
Total Expenditures . . . . .		\$11,998.02		\$13,498.66
Revenues of Board of Health . . . . .		\$515.63		\$507.64
Licenses . . . . .	\$49.00		\$58.00	
Reimbursements . . . . .	466.63		449.64	





Table III

CASES AND DEATHS OF CERTAIN DISEASES EACH YEAR FOR TEN YEARS

This table includes all cases (with their deaths) irrespective of whether cases were transported into the city from elsewhere or were contracted outside of the city; also all deaths of Melrose cases dying out of town.

Year	Diphtheria		Scarlet Fever		Typhoid Fever		Measles		Whooping Cough		Smallpox		Ophthalmia Neonatorum		Polomyelitis		Tuberculosis			Deaths
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Pulmonary and Miliary	Meningeal	Other	
1912	18	1	17	1	9	1	381	1	194	1	..	..	5	..	..	15	10	..	..	2
1913	17	2	71	46	7	2	29	..	31	1	..	..	7	..	4	22	13	1	2	1
1914	86	3	69	2	5	2	476	1	16	..	..	..	6	..	1	15	11	1	3	..
1915	41	1	62	2	15	..	476	1	16	..	..	..	12	..	2	15	13	1	3	1
1916	14	1	11	1	14	1	11	107	4	..	..	..	3	..	17	3	22	12	..	1
1917	85	4	42	2	3	..	290	2	6	..	..	..	16	..	..	18	10	..	1	1
1918	24	2	20	1	3	1	50	..	10	2	..	..	8	..	..	23	10	..	1	1
1919	13	3	48	11	3	..	11	65	..	..	..	..	16	..	1	13	9	..	1	..
1920	32	2	42	..	4	..	367	1	34	1	..	..	1	..	4	12	9	..	2	4
1921	69	3	43	..	6	1	29	..	1	..	..	..	4	..	3	19	13	..	..	3

Table IV  
**INFANT MORTALITY**  
 (Not including Stillbirths)

YEAR 1921	AGES												
	Total under 1 yr.	Under 1 day	1-2 days	2-3 days	3 days to 1 week	1-2 weeks	2-3 weeks	3 wks. to 1 mo.	1-2 mos.	2-3 mos.	3-6 mos.	6-9 mos.	9-12 mos.
January.....	3	.....	.....	.....	1	.....	.....	.....	.....	1	.....	1	.....
February.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
March.....	2	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....
April.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
May.....	3	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
June.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July.....	3	1	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....
August.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
September.....	3	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
October.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
November.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
December.....	2	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
Male.....	6	1	.....	.....	1	.....	.....	1	1	.....	2	.....	.....
Female.....	15	4	.....	.....	3	.....	.....	1	2	.....	.....	2	.....
White.....	20	5	.....	.....	4	.....	.....	2	3	.....	2	.....	.....
Colored.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....





Table VI  
CONTAGIOUS DISEASES  
Age and Sex

DISEASES	Age										75 and over	Totals
	Under 5	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74		
Anterior Poliomyelitis	1	9	4	1	1	1	1	1	1	1	1	1
Chicken-pox	3	11	5	1	1	1	1	1	1	1	1	17
Diphtheria	8	19	5	1	1	2	4	1	1	1	1	36
German Measles	1	2	4	1	3	2	1	1	1	1	1	31
Measles	1	2	1	1	1	1	1	1	1	1	1	5
Mumps	2	9	1	1	1	1	1	1	1	1	1	3
Ophthalmia Neonatorum	8	7	2	1	1	1	1	1	1	1	1	14
Pneumonia, Lobar	6	5	5	1	1	1	1	1	1	1	1	15
Scarlet Fever	2	6	5	1	1	1	1	1	1	1	1	10
Cerebrospinal Meningitis	2	5	5	1	1	1	1	1	1	1	1	13
Sleeping Sickness	7	6	4	2	1	1	1	1	1	1	1	25
Suppurative Conjunctivitis	7	11	5	2	1	1	1	1	1	1	1	31
Tuberculosis (Pulmonary)	6	1	1	1	3	1	2	2	2	2	2	10
Tuberculosis (other forms)	1	1	1	1	2	2	1	1	1	1	1	12
Typhoid Fever	1	1	1	1	1	1	1	1	1	1	1	10
Whooping Cough	1	1	1	1	1	1	1	1	1	1	1	10

Report of Inspector of Plumbing

Table VII

INFANT MORTALITY

Year	Births	Deaths of Children under 1 Year	Rate of Mortality of Children under 1 year per 1,000 of Children Born
1915	393	26	66.10
1916	384	22	57.70
1917	339	23	67.84
1918	430	28	65.11
1919	405	21	51.85
1920	390	22	56.41
1921	465	21	52.76

There were 11 stillbirths during the year 1921.

ANDREW A. BIRNEY

Plumbing Inspector

Report of Inspector of Animals

Table VIII

ESTIMATED POPULATION APRIL 1, 1921—18,670

	1916	1917	1918	1919	1920	1921
Apparent death rate per 1,000 population	12.13	15.35	16.00	11.88	12.82	11.67
Corrected death rate per 1,000 population	12.70	15.29	17.00	12.05	12.46	12.43

NOTE.—The corrected death rate is found by eliminating the records of all non-residents dying in Melrose and adding the records of all Melrose residents dying elsewhere, as shown by the records of the City Clerk.

Inspector of Animals

## Report of Inspector of Plumbing

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Number of applications received . . . . .	259
Number of permits granted . . . . .	259
Number of sinks installed . . . . .	149
Number of wash trays installed . . . . .	93
Number of water closets installed . . . . .	174
Number of bath tubs installed . . . . .	123
Number of wash bowls installed . . . . .	139
Number of shower baths installed . . . . .	2
Number of urinals installed . . . . .	2
Number of pressure boilers installed . . . . .	64
Number of pantry sinks installed . . . . .	1
Number of floor drains installed . . . . .	3
Number of traps replaced . . . . .	49
Number of lead bends replaced . . . . .	4
Number of washing machines installed . . . . .	3
Number of refrigerators connected . . . . .	1
Number of soil pipes and vents renewed . . . . .	1
Number of old buildings connected with sewer . . . . .	11
Number of old buildings connected with cesspools . . . . .	1
Number of new buildings connected with sewer . . . . .	40
Number of new buildings connected with cesspools . . . . .	21

Respectfully submitted,

ANDREW J. BURNETT,

*Plumbing Inspector*

## Report of Inspector of Animals

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*To the Board of Health, City of Melrose,—*

*Gentlemen:*—I wish at this time to submit my report as Inspector of Animals and Slaughtering for the year 1921. During the early part of the year a tour of inspection, covering every place where cattle were kept, were made and the condition of both live stock and premises reported. Suggestions for betterment of conditions in many cases were offered and upon further investigation found to have been carried out satisfactorily.

Cattle showing evidence of contagious or infectious disease were disposed of; two cases of rabies were destroyed and one treated by the Lederle Anti-rabic method, which case up to the present time is in perfect condition. Several suspicious cases were reported from time to time, but upon careful investigation were proven to be free from any symptoms to cause alarm.

Very truly yours,

C. H. PLAYDON, M. D. V.

*Inspector of Animals*

## Report of Inspector of Milk

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*Board of Health, Melrose, Mass.,*

*Gentlemen:*—My report as Inspector of Milk for your Board during the year 1921 is as follows:

During the year 230 samples of milk were taken from the various dealers. These samples were all analyzed chemically and bacteriologically. The appended tables give in a concise way the results of the year's work. Those dealers having a number of less than 12 samples are beginners in the milk business and consequently have not had the regular number of samples taken.

On the whole the results are very gratifying, the majority of samples coming under the arbitrarily chosen limit of 20-50,000 bacteria per c.c. Table No. 11 shows this grouping clearly. The reader should bear in mind that a low bacterial count indicates cleanliness and freshness of the product; while a high fat and total solid content means high food value. The best milk for general use is one having a low count and high percentage of fats and total solids. For purposes of comparison, the tables show the State Law requirements of fats and total solids.

Respectfully,

H. E. BERGER, JR.

*Milk Inspector*



\*MEDIAN NUMBER OF BACTERIA PER C. C. FOR EACH DEALER  
AND CHEMICAL ANALYSIS AVERAGE 1921

DEALER	Median Number Bacteria Per C. C.	No. of Samples	% Fats	% Solids	PERCENTAGE OF SAMPLES WITHIN CERTAIN LIMITS				
					Exce- lent under 10,000	V. Good 10,000 to 20,000	Good 20,000 to 50,000	Fair 50,000 to 100,000	Poor 10,000 to 300,000
Antunes, G. E.	63,000	2	3.65	12.53	.....	.....	100,000	.....	.....
Bloss, W. C.	80,000	12	3.55	12.00	.....	8.33	66.66	.....	16.66
Bucci, Alexander	10,000	2	3.65	12.43	50.00	.....	.....	.....	.....
Cefalo, James	24,000	4	3.55	11.58	50.00	.....	.....	.....	.....
Forbes Bros.	29,000	24	3.75	12.10	12.5	50.00	.....	.....	.....
Goldsmith, C. B.	38,000	12	3.65	12.24	16.66	45.80	.....	.....	.....
Hood, H. P. & Son	14,500	24	3.55	12.69	42.00	41.66	16.66	.....	16.66
Howard, Mrs. E. J.	8,000	12	3.35	13.95	58.33	26.00	8.00	.....	4
Kiley, R. J.	47,000	12	3.55	12.05	.....	25.00	41.66	.....	.....
Lane, Frank	3,000	2	4.0	12.91	100.00	.....	.....	.....	.....
Lord, C. G.	44,000	12	3.65	12.21	58.33	.....	41.66	.....	.....
Manning, J. S.	21,000	12	3.9	12.51	33.33	50.00	.....	.....	.....
Munn, T. J. & Son	36,000	15	3.7	12.28	16.66	41.66	33.33	.....	.....
Penney, H. J.	41,000	12	3.55	11.86	8.33	50.00	33.33	.....	.....
Quinn, M. J.	28,000	12	3.65	12.24	.....	58.33	33.33	.....	.....
Roulston, R.	42,000	12	4.1	12.61	16.66	33.33	33.33	.....	16.66
Spear, C. W.	60,000	12	3.65	12.18	8.33	16.66	58.33	.....	16.66
Spratt, Mrs. Abbie	16,000	12	4.0	12.73	41.66	16.66	16.66	.....	.....
Fallon, Mrs. C. F.	38,000	2	4.15	13.39	50.00	.....	50.00	.....	.....
Turner Centre	26,000	2	3.85	12.49	25.00	41.66	16.66	.....	.....
White, James	47,500	1	3.25	11.56	.....	.....	.....	.....	.....
Whiting, D. & Sons	26,000	12	3.7	12.23	33.33	.....	8.33	.....	.....

\*Median—the middle term selected after the counts have been arranged in the order of their magnitude. State law requires 3.35 12.00.



## Report of Public Health Nursing Service

### INFANT WELFARE

In the past year this work has been carried on as formerly. As it is not possible to visit every home where there is a new-born baby, visits are made where advice and help in the care of the baby seems most needed. Follow-up calls are made as long as the nurse can be of assistance to the mother. Help and instruction in the care of infected eyes are given and usually several calls are necessary in these cases. Books obtained from the Health Department on infant care are given the mothers; diet lists are also provided for children of one year, eighteen months and two years. I have frequent requests for diet lists for older children, which can also be furnished.

### SCHOOL NURSING

The work of the School Nurse has been carried on as in former years, under the direction of the Board of Health, and in co-operation with the School Department. Each school is visited, in so far as is possible, twice a week, and class room inspection and examination of pupils carried on. Children requiring a diagnosis are referred to the School Physician or sent to the office of the Board of Health for examination and treatment. Cases of children who have a regular family physician are requested to consult such physician. Calls are made in the homes to investigate absences from school unless it is known that the children are having medical attention. In this way valuable information is obtained which often prevents serious illness and the spread of a contagious disease. In the past year very few children have been excluded from school on account of the contagious skin diseases of which the most prevalent are impetigo, ringworm and scabies.

Pupils in all grades are showing better care of the teeth. After examination a notice is sent to the parents when necessary that there are cavities or other defects that require attention. In this way the six-year molars, which many mothers have not learned are the first permanent teeth, are preserved. The Page Dental Clinic at the Melrose Hospital has done much valuable work for the school children in the past few years; may we hope that in the near future this work may be extended so that every child, at the proper time, may have the care needed.

This year shows a large number of operations for the removal of tonsils and adenoids, but there are still a great many children in the schools who would enjoy better health and show less susceptibility to disease if this operation were performed. When advisable children are taken to the Eye and Ear Infirmary of the Massachusetts General Hospital for examination and treatment. All of our schools now have

scales and the children are weighed and measured monthly; schoolroom charts are kept and individual gain or loss carefully checked. There are nutrition clinics in all the schools where milk and cookies are served at a reasonable price,—those who cannot pay, but need the food, receiving it free of charge; so by the co-operation of the principals the Summer Health School work is continued throughout the school year. Talks have been given the children on the value of milk, and pamphlets obtained from the Department of Agriculture distributed in the homes, which have helped materially in the work. The health and attendance of the pupils have been good since the opening of the schools in September, until just before the Christmas recess when there was an outbreak of measles and mumps in two sections of the city.

During the year I have met with hearty co-operation on the part of teachers, parents, and children; my indebtedness is acknowledged to them all.

#### SUMMER HEALTH AND PLAY SCHOOL

The second session of the Summer Health and Play School was held during the summer of 1921 for a period of six weeks. The School Board generously permitted the use of the High School lunch-room for preparing and serving the meals; a room in the Sewall School and the playground. This location was ideal, furnishing plenty of space with shade for play and rest. Play apparatus, loaned by the Park Commission was set up and much enjoyed. The central location gave the public a better opportunity to become acquainted with the work that was being done and a large number of prominent citizens and representatives from various organizations visited the school, among them the Rotary Club, who attended in a body. As a result of this visit the children enjoyed an auto trip to the beach and also a weekly treat to ice cream at the Club's expense.

The children who attended the school were selected by the principals and the School Nurse after careful study. They were all below the normal health standard, many lacking proper food and care at home. As many of the mothers are obliged to be at work during the day, the children are left mainly to their own devices, resulting in irregular meals, improper feeding and exhaustion, and many times in serious illness.

The school opened July 5th with an enrollment of 47 pupils; 32 girls and 15 boys ranging in age from six to twelve years. The average daily attendance was 40, though the number could easily have been brought to 60 had equipment and funds been available.

The children were examined on entering and closing and were under nursing inspection and supervision daily. Each child was weighed and measured on entering and weekly thereafter during the school session. The gain was watched with interest both by the teachers and pupils and on closing a notice was sent to the parents stating the child's improvement and urging that the work be continued in the home. The attendance was

remarkable; children who were obliged to be absent, finding ready substitutes so that the full quota was assured for every session.

School assembled at nine o'clock in the Sewall building and the program for the day opened with flag salute, roll call and songs, after which came games, reading, story-telling, etc., in which the teachers supervised or took part. A lunch of milk and cookies was provided at ten o'clock, dinner at twelve, milk again at three p.m., after which the children were dismissed for the day. After the noon-day meal there was an hour for rest or sleep; cots being set up in the shade outdoors and each child given a blanket if needed. This is considered an important part of the health program as most children do not get a proper amount of rest during the day. The boys and girls were taught to wash before meals and clean their teeth afterwards; toothbrushes being provided them free of charge. On cool days walks were taken to the park at Ell Pond.

The menu from week to week was about the same, the noon-day meal consisting of a hot, nourishing dish, sandwiches and pudding or ice cream. On the closing day a number of prizes were awarded for attendance and good behavior. All of the children gained in weight and appeared to have been benefited by their attendance in the school.

In closing I will briefly touch upon the object of the Summer Health and Play School. It provides special hygienic care for delicate children found in the schoolroom inspection. It emphasizes the need of supervised outdoor play during the summer vacation and provides a safe, temporary place for children left alone at home and who need care. It demonstrates to the city the value of a general health program, the school serving as an index to this, and standing before the people as a contribution to the welfare of the children of the community.

Respectfully submitted,

MYRTLE S. MERIAM, R. N.

*Public Health Nurse*





Report of Overseers of the Poor

Report of City Solicitor

Hon. Angier L. Goodwin, Mayor, City Hall, Melrose, Mass.

Dear Sir:—

I beg leave to submit herewith annual report of the Law Department for the year 1921

No suits have been brought against the city during the past year and the only cases now pending are those of Charles S. Boyce and John Brooks, which were brought in 1909 and which have never been pressed for trial.

A few minor claims for damages were made during the year which, after investigation and under authority of the Committee on Legal and Legislative Matters, have been settled for comparatively small amounts and releases obtained.

The growth of the city's business seems to be reflected in the number of opinions required, new ordinances drafted, orders drawn and conferences held on general legal matters which go to make up the routine work of this office.

Hearings have been held by the Trustees of the Eastern Massachusetts Street Railway Company in an attempt to obtain better street car service and hearings are now in progress before the Public Utilities Commission looking toward a reduction in the price of both gas and electricity.

As a preliminary step toward more adequate school facilities, the city has acquired during the past year two parcels of land, one adjoining the Whittier School on Eleventh Street and the "Keating Stables", so called, which will eventually be used as a playground in connection with the Lincoln School. Options have also been obtained on all the land required for the erection of the proposed addition to the Warren School and the new school building contemplated for the Southeast District.

Respectfully submitted,

CHARLES H. GILMORE,

City Solicitor

00 000 28 .....  
00 000 28 .....  
00 000 28 .....  
00 000 28 .....

# Report of Overseers of the Poor

## PARTIAL SUPPORT

Individuals aided.....	247
Adults.....	94
Children.....	153
Having settlement in Melrose.....	128
Having settlement elsewhere in the State.....	52
Having no known settlement.....	67
Families Aided.....	73
Having settlement in Melrose.....	46
Having settlement elsewhere in State.....	11
Having no known settlement.....	16

## FULL SUPPORT

Supported in private families.....	2
Children boarded by the State.....	8
At Massachusetts Hospital School.....	2
Supported at Malden City Home.....	1
Supported at State Infirmary.....	6
Cases discharged.....	1
Deaths.....	1

## GENERAL ADMINISTRATION

Appropriation.....	\$1,250.00	\$1,250.00
Salaries of the Board.....	1,050.00	
Expended.....	165.88	
Excess and Deficiency.....	34.12	\$1,250.00

## OUTSIDE RELIEF BY CITY

Appropriation.....	\$5,000.00	
Transfer from Mothers' Aid.....	600.00	\$5,600.00
Expended.....	\$5,595.00	
Excess and Deficiency.....	5.00	\$5,600.00



**RELIEF BY OTHER CITIES AND TOWNS**

Appropriation.....	\$4,500.00	
Reimbursements from Individuals.....	145.15	
	10.00	
	12.86	\$4,668.01
<hr/>		
Expended.....	\$4,601.30	
Excess and Deficiency.....	66.71	\$4,668.01
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**MOTHERS' AID**

Appropriation.....	\$5,500.00	
Less transfer to Outside Relief.....	600.00	\$4,900.00
<hr/>		
Expended.....	4,107.33	
Excess and Deficiency.....	792.67	\$4,900.00

**RECEIPTS**

Reimbursements from individuals.....	\$30.00	
Reimbursements from Commonwealth.....	3,428.38	
Reimbursements from Other Cities and Towns....	475.83	\$3,934.21
<hr/>		

**ELEANOR BROWN TOOTHAKER FUND**

Jan. 1, 1921.....	\$1,434.20	
Interest 1920.....	61.47	
Interest 1921.....	57.37	\$1,553.04
<hr/>		
Expended.....	24.84	\$1,528.20

**COMMUNITY CIVICS CLASS, MELROSE HIGH SCHOOL**

Liberty Bond.....	\$50.00	
Balance from 1920.....	4.99	
Interest received 1921.....	2.12	\$57.11
<hr/>		

**THE A. C. MARIE CURRIER FUND**

Balance from 1920.....	\$1,395.81	
From the Trustees.....	2,000.00	\$3,395.81
<hr/>		
Expended.....	\$1,257.72	\$2,138.09
<hr/>		

At Christmas 1921, dinners were given to 118 families. The clothing for the children of the worthy poor consisted of the following:—178 pairs boots; 88 pairs stockings; 62 pairs rubbers; 7 pairs boots repaired; 6 pairs underwear; 12 waists; 12 dresses; 12 rompers; 4 pairs pants.

There has been a decrease in cost and cases under the Mothers' Aid Act, through a variety of causes. Becoming self-supporting; age limit of children, marriage and removals account for the most of it, but some others, by their own acts, rendered themselves ineligible under this law and reverted to Temporary Aid.

It has been the purpose of this Board to consider the giver of aid, the tax-payer, as well as the receiver, and while it has been our aim to aid the worthy and prevent suffering, an effort has been made to investigate as fully as possible all requests for assistance, and to oblige those able to work, to support themselves to the fullest extent. To discriminate between the worthy and unworthy who apply for aid, and to successfully prevent the increase of pauperism, is, indeed, a perplexing problem which can be solved only by constant watchfulness, experience and an intimate knowledge of all conditions, on the part of the officials of the Charity Department.

The housing problem is a big factor in this city, especially among the poor, as rents have been increased in every instance.

The members of the Board invite the co-operation of all citizens who are willing to contribute money, food, clothing, or furniture for families in need, and especially in aid of families, who, in time of sickness or misfortune, may, by private relief, be prevented from becoming public charges.

We would express our appreciation for the work and services rendered by the City Physician in co-operation with this Board. The Melrose Hospital has also rendered valuable service to our outside poor during the past year.

In presenting this report for 1921, we wish to express our appreciation for the courtesy of the Mayor and Board of Aldermen.

Respectfully submitted,

ADALINE G. REED  
THOMAS F. TROY  
EUGENE L. PACK

*Overseers of the Poor*

## Report of Police Department

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In compliance with Chapter 33 of the Ordinances of this city, I respectfully submit the following report of the doings of the Police Department for the year 1921:

Appropriation: Salaries and Wages . . . . .	\$34,184.00	
Expenditures . . . . .	33,908.86	
	<hr/>	
Balance . . . . .		\$275.14
Appropriation: Other Expenses . . . . .	\$1,100.00	
Expenditures . . . . .	1,050.57	
	<hr/>	
Balance . . . . .		\$49.43
Appropriation: Equipment and Repairs . . . . .	\$785.00	
Expenditures . . . . .	740.06	
	<hr/>	
Balance . . . . .		\$44.94
Offences for which complaints have been made in Court . . . . .		144

Respectfully Submitted

GEORGE E. KERR,  
*Chief of Police.*

# Report of Fire Department

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## ORGANIZATION

The number of companies are as follows: Engine Co., No. 1; Hook and Ladder Co., No. 1; Combination A; Hose Co., No. 4.

## FORCE OF THE DEPARTMENT

The Call Force consists of: 1 Chief Engineer; 1 Deputy Chief Engineer; 1 Captain; 2 Lieutenants; 22 Privates.

The Permanent Force consists of: 3 Captains; 1 Lieutenant; 12 Privates.

## EQUIPMENT

One Chief's Automobile; 1 Pumping Engine; 2 Combination Chemical and Hose Autos; 1 Auto Hook and Ladder Truck; 2 Pungs; 10 Chemical Extinguishers; 1 Horse-drawn Hook and Ladder Truck (condemned).

## HOSE

Number of feet of good hose .....6350  
Number of feet of poor hose ..... 400  
.550 feet of new hose was purchased during the year.

## FIRES

Number of Alarms during the year.....	153
Bell Alarms (8 were false).....	59
Still Alarms.....	94
Number of buildings damaged.....	31
Value of buildings damaged.....	\$90,300.00
Insurance thereon.....	124,300.00
Total damage thereto.....	26,581.00
Total insurance paid.....	26,021.41

REPORT OF FIRE DEPARTMENT

69

Contents

Total value of contents.....	\$100,551.50
Total insurance thereon.....	61,850.00
Total damage thereto.....	31,600.79
Insurance paid.....	21,496.08
Value of Personal Property in the Fire Department.....	\$41,095.00

The personal property is all in good condition. Hose 4 Station was painted on the outside during the year, and the stations are all in good repair, except the Highlands Station.

Yours respectfully,

JOSEPH EDWARDS, *Chief Engineer*



# Report of Park Commissioners

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The appropriations for the year, together with the expenditures, are given in detail and are as follows:

## APPROPRIATIONS

### Parks, General Administration:

Salaries and wages.....	\$100.00	
Other expenses.....	150.00	
Lighting.....	432.00	\$682.00
	<hr/>	

### Parks and Gardens:

Salaries and wages.....	\$2,500.00	
Improvements and additions.....	250.00	
Other expenses.....	500.00	
Snow clearing.....	300.00	3,500.00
	<hr/>	

### Playgrounds:

Salaries and wages.....	\$1,000.00	
Improvements and additions.....	100.00	
Other expenses.....	400.00	1,500.00
	<hr/>	

### Messenger's Meadows:

Salaries and wages.....	700.00	
Other expenses.....	800.00	1,500.00
	<hr/>	

### Bath-houses and Beaches:

Salaries and wages.....	\$750.00	
Improvements and additions.....	150.00	
Other expenses.....	300.00	1,200.00
	<hr/>	

Total appropriations.....		\$8,432.00
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EXPENDITURES

Parks, General Administration:

Appropriation: Salaries and wages..... \$100.00

Expended:

Salary for Clerk..... 100.00

Parks, General Administration. Other Expenses:

Appropriation..... \$150.00

Balance from 1920..... 69.11

\$219.11

Expended:

Photo cuts..... \$20.05

Printing annual report..... 84.00

Postage for report..... 9.00

Dennison envelopes (clasp)..... 7.43

Postage for year..... 7.29 127.77

Balance..... \$91.34

Parks, General Administration. Lighting:

Appropriation..... \$432.00

Expended:

Lighting..... \$270.00

Transfer to Ice House property..... 162.00 432.00

Parks, Gardens, Salaries and Wages:

Appropriation..... \$2,500.00

Expended:

Pay rolls..... 1,651.93

Transfer to ice house property..... 750.00

Transfer to Playgrounds, other expenses..... 98.97 2,500.00

## Parks and Gardens, Improvements:

Appropriation.....	\$250.00	
<b>Expended:</b>		
Transfer to Ice House property.....	250.00	<u>          </u>

## Parks and Gardens, Other Expenses:

Appropriation.....	\$500.00	
Transfer from Excess and Deficiency, Order 13388	102.00	<u>          </u>
	\$602.00	

**Expended:**

Other Expenses total.....	\$602.00	
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## Clearing Snow:

Appropriation .....	\$300.00	
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**Expended:**

Pay rolls.....	\$100.48	
Balance to 1922.....	199.52	<u>300.00</u>

## Playgrounds, Salaries and Wages:

Appropriation.....	1,000.00	
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**Expended:**

Pay rolls.....	602.55	
Transfer to Ice House property.....	335.00	
Transfer to Playgrounds, Other Expenses.....	50.08	
Balance to Excess and Deficiency.....	12.37	<u>1,000.00</u>

## Playgrounds, Improvements and Additions:

Appropriation .....	100.00	
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**Expended:**

Transfer to Ice House property.....	100.00	<u>          </u>
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## Playgrounds, Other Expenses:

Balance from 1920.....	\$ .26
Appropriation.....	400.00
Transfers from various accounts.....	156.97
	<hr/>
	\$ 557.23

## Expended:

Other Expenses.....	\$ 518.77
Balance	<hr/>
	38.46

## Messenger's Meadows, Salaries and Wages:

Appropriation.....	\$ 700.00
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## Expended:

Pay rolls.....	\$ 699.63
Transfer to Playgrounds, Other Expenses.....	.37      700.00
	<hr/>

## Messenger's Meadows. Other Expenses:....

Appropriation.....	\$ 800.00
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## Expended:

W. E. Stevens, surveying.....	\$ 7.00
N. J. Wire Co.....	74.39
Eastman's Express.....	9.21
C. L. Hoffman & Son, loam.....	254.00
J. Breck, grass seed.....	15.65
Lander Welding Co.....	5.00
Benson Coal Co.....	10.05
Prince Paint Co.....	.28
Wright & Ditson.....	88.45
Water Department.....	33.75
Smith Bros.....	1.75
Dexter Bros.....	20.06
L. J. Nicoll, labor and material.....	32.00
Standard Oil Co.....	6.50
M. J. Hanley, teaming.....	8.00
R. H. Curry, plumbing.....	3.10
Churchill, stable horse hire.....	3.00
Gibbons Contracting Co.....	3.00
Deering Lumber Co.....	4.84
F. E. Coyle.....	1.82

W. Somers, labor.....	\$94.50	
W. J. Blakely & Son, clay.....	90.00	
Eastern Fountain Co.....	4.50	
Murphy, Leavens Co.....	22.00	
Ernest Webb, teaming.....	7.13	
Transfer to Playgrounds, Other Expenses.....	.02	\$300.00
<hr/>		
Bath-houses and Beaches. Salaries and Wages:		
Appropriation.....		\$750.00
Expended:		
Transfer to Ice House property.....		\$750.00
<hr/>		
Bath-houses and Beaches. Improvements:		
Appropriation.....		\$150.00
Expended:		
Transfer to Ice House property.....		\$150.00
<hr/>		
Bath-houses and Beaches. Other Expenses:		
Appropriation.....		\$300.00
Expended:		
R. M. Gibson, sign.....	\$ 5.00	
Aberthaw Co.....	35.00	
Tappan Boat Co.....	1.16	
Water Department, water.....	33.37	
Transfer to Ice House property.....	225.00	
Transfer to Playgrounds, other expenses.....	.47	\$300.00



Hockey Rink:		
Appropriation	.....	\$500.00
<b>Expended:</b>		
Pay rolls	.....	\$279.85
Hub Wire Co.	.....	9.25
Deering Lumber Co.	.....	18.60
Prince Paint Co.	.....	2.03
L. J. Nicoll, cages	.....	31.98
Austin & Doten	.....	3.94
Roberts Iron Co.	.....	30.00
N. J. Wire Co.	.....	12.75
R. M. Gibson, sign	.....	6.00
M. J. Hanley, teaming	.....	9.50
Eastman's Express	.....	1.58
F. W. Smith, carpenter	.....	10.80
Malden Elec. Co., lighting	.....	28.82
Water Department, water	.....	45.93
Police	.....	5.00
A. Evers, keys	.....	.75
Balance to Excess and Deficiency	.....	3.14
		\$500.00

#### REPORT FOR THE YEAR 1921

During the past year, the Park Commissioners have not attempted many permanent improvements believing that the general economic situation required as little outlay as possible, and then only for work which was absolutely necessary.

Perhaps our greatest improvements have been in connection with the Hockey Rink, and the Messenger's Meadows Playground, both of which will be mentioned later.

All of the Parks have been kept in good condition and the apparatus which has been worn out or destroyed, has been largely and carefully replaced.

#### MESSENGER'S MEADOWS

This Playground has been used to a much greater extent during the past year than ever before. This has largely been due to the fact that one of the members of the Park Commission has been enabled to give it a great deal of personal supervision.

The tennis courts and baseball field have been in demand at all times, when it was suitable for outdoor sports. During the Winter season, attempts have been made, with some degree of success, to establish skating rinks for the small children, on the experience gained during the past year or two. We are looking forward to a much greater use of this playground during the coming seasons, both summer and winter. We propose to install additional playground apparatus and possibly additional tennis facilities during the coming summer.

**MELROSE COMMON**

This playground has been used continually during the summer and fall months for baseball and, to some extent, football. The field has been kept in good condition. Owing to the somewhat general complaint on account of noise and disturbance which are apparently the necessary part of a playground, we still adhere to our plan to eventually make of this spot more of a public garden than a playground. Drinking bubblers were maintained during the summer and fall months.

**HORACE MANN PARK**

Each year seems to find increasing numbers of people using this restful garden for a breathing spot during the warm summer months. It was kept in good condition and during the summer months the fountain was operated. However, with the advent of colder weather the fountain was shut off, but the garden was kept in excellent condition with plenty of seats in shaded places.

**LINCOLN PLAYGROUND**

Owing to the lack of finances, no permanent improvements have been attempted at this playground. It has been kept leveled and reasonably cleaned so that it surpassed as a baseball field in summer and, with some degree of success, has been frozen for children's skating rink in the winter. This is ideally located for a playground and as soon as funds are available, improvements will be made which will suit it for such purposes.

**ELL POND EMBANKMENT**

It was not possible during the past year to complete our plans for this park. Some work was accomplished in accordance with our original plans and through a transfer of funds certain funds are available which will be expended for further permanent improvements here. During the coming year, we have requested an appropriation which if made available will enable us to follow our original plan and make a very good improvement in the Park. This is one of the most conspicuous parks in the entire Park System and we hope to be able to largely complete the work at this point during the coming year.

**ELL POND PARK**

Little by little we are attempting to follow out the original plans for the development of this area. It is particularly well adapted for an athletic field for summer sports as well as winter sports due to its location just north of Ell Pond. As funds are made available in accordance with requests we hope to eventually complete the carefully laid out plans which will be presented to you from time to time covering this area.

### HOCKEY RINK

Considerable improvement has been made on the Hockey Rink during the past year. A large part of the pool has been deepened. Very shortly portable bleachers will be installed for the convenience of spectators. Also we hope to have a suitable building to be used as a dressing-room for the players and possibly so that part can be used for a storage room for various tools and appurtenances used in connection with the maintenance of this rink. It is a particularly conspicuous spot well suited for winter sports and worthy of greater development.

### SEWALL WOODS PARK

This park received but scant attention for several years past due to necessity for using funds elsewhere. It is a particularly beautiful spot and one on which we intend to concentrate at some future time and develop. In the meantime during the coming year, we hope to keep it in good, clean condition making certain replacements of trees, shrubberies, etc.

### BOWDEN PARK

Nothing further has been done during the past year on this park which was generously presented to the city by F. P. Bowden. The terms of the gift required that within a stipulated period this area be improved for park purposes and we are making a request for funds to follow a carefully prepared plan which we now have for the improvement of this park during the coming year.

### BATH HOUSE AND BEACH SITE

During the past year bathing facilities were not provided at Ell Pond. This was due to the fact that the buildings used previously were condemned and it was necessary to remove them.

Once more we are requesting an appropriation sufficient to carry out plans for the building of a pavilion at the point which will be entirely suitable for use as a bathhouse. in summer and for a pavilion purpose for winter sports when the pond is frozen.

We realize the importance of furnishing proper housing arrangements for both summer and winter sports and as soon as funds can be secured for this purpose we hope to follow out the plans for this development.

We earnestly request that we be granted the appropriations asked for in our communication to His Honor the Mayor.

Respectfully submitted,  
ROBERT A. PERKINS, *Chairman*  
ADDISON L. WINSHIP  
HARRY N. VAUGHN  
ANDREW F. EVERS  
GUSTAF E. JOHNSON

## REPORT OF TREASURER OF PINE BANKS PARK

**Receipts:**

Balance from 1920.....	\$601.17	
Interest.....	21.27	
Log Cabin (rental).....	30.00	
City of Malden.....	1,900.00	
City of Melrose.....	1,900.00	
		<hr/>
Total.....		\$4,452.44
<b>Expenditures.....</b>		<hr/> 3,987.61
Balance on hand.....		\$464.83

## Report of the Board of Survey

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The report of the Board of Survey for the year 1921 is herewith submitted.

Petitions for approval of plans, laying out various tracts of land into streets and house lots, are under consideration by the Board of Survey as follows:—Golden Hills Plaza, east of Main Street, near the Wakefield line, the estate of Frank G. Lynde on the southerly side of Wyoming Avenue, Adams Street to Ravine Road, and a part of the Russell Estate on the easterly side of Trenton Street and the northerly side of Russell Street, showing the proposed extension of Cottage Street to Russell Street.

Studies have been made of other tracts of land that are being considered for development, as the Barbour land east of Spear Street, Smith Estate north of Porter Street, and east of Linden Road, and the large area east of Damon Avenue adjoining the Griswold Land Co. tract and extending southerly to near Howard Street.

### RECEIPTS AND EXPENDITURES

Appropriation.....		\$50.00	
<b>Expended:</b>			
Advertising.....	\$5.00		
Engineering Division for work in connection with plans and studies of tracts under consideration	44.80	49.80	
		<hr/>	
Balance.....			\$ .20

E. C. LANG, *Chairman*  
WM. N. FOLSOM  
WM. E. WATERHOUSE

*Board of Survey*

GEORGE O. W. SERVIS, *Clerk*



## Brown Tail and Gypsy Moth

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The Gypsy Moth, like the poor, is still with us, and we must anticipate a large increase of this pest this year: All the conditions being favorable, namely the broken and scattered nests resulting from the ice-storm of this winter; the necessary climbing of trees previous to painting the nests; the carting of the wood through the streets to be converted into firewood. All of the above being done regardless of the consequences from scattered eggs will result in added infestation of private estates.

The Brown Tail Moth was found in three places in Melrose during the past winter to the number of 55 nests but there is no fear of a general infestation from this insect at present. The Leopard Moth is very active on maples and elms, no very successful method of fighting this pest having been discovered as yet. We must anticipate a slight increase of this wood eater.

The imported Elm Leaf Beetle is busy among our elms and maples as is evident by the many falling branches of these beautiful shade trees. All elms were treated by spraying once with arsenate of lead mixture, but should be sprayed twice to combat this pest successfully in both its feeding stages.

Many complaints have been received from fruit-growers because of the presence on fruit trees of the apple Aphid, Red Bug, San Jose, Oyster Scale and Coddling Moth. The Moth Department of the City is always ready to give advice as to the proper means for controlling these pests by suggesting the latest methods of the United States Department of Agriculture and the recent experiments of the several agricultural colleges.

Complaints are coming in from citizens as to careless and improper pruning of storm-damaged trees. If owners of trees will apply to the city they may be advised as to the proper method of pruning individual trees.

The Tent Caterpillar did not cause any great amount of defoliation during the past year. The Fall Web Worm did some damage to pear and apple trees in some few isolated cases.

During the past year we were called upon to fight a new insect pest known as the Satin Moth. This insect was found during 1920 in Middlesex Fells, its food supply being poplar and willow, and the infestation of these trees was very serious throughout the city. There being no legislation against this insect, we were constrained, acting upon the advice of His Honor the Mayor, to enter upon private property to destroy this pest for the protection of the general public.

We may look for a greatly increased infestation this year, but legislation has been enacted giving the authorized agents of the State the right to enter upon private land in their efforts to exterminate this pest.

JOHN J. McCULLOUGH,

*Local Superintendent*

## Report of Public Library Trustees

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The Trustees of the Public Library beg leave to submit the report of the work of the Library for the year 1921, being the twenty-first annual report to the City Government and the fifty-first report since the establishment of the Library.

Your attention is respectfully called to the accompanying report of the Librarian to the Board, which records in detail the work which has been carried on under the direction of the Board with the exceedingly effective co-operation of the Librarian and her force.

It is especially interesting to note that the circulation of books increased 5% over the previous year, reaching the number of 110,503 volumes. We believe that this is the largest proportionate circulation of any library in the state, all things considered, except possibly Brookline. The steadily increasing proportion of non-fiction which is read is also worthy of note.

It is to be regretted that the marked advance in the price of books prevents our keeping pace with the demand for new books, but on account of the necessity for special expenditures this year, as noted in the Budget, which we herewith submit, we are refraining from asking for an increase in the appropriation for Books and Magazines.

The growing interest of the School Department in the Library is a source of satisfaction. While the work of the Library for the children is in no way different in principle from that which it does for all the people, and cannot be considered as a phase of school work, to be concluded at graduation, yet the work of the two Departments is closely allied and both must gain by mutual co-operation. Several conferences have been held and a joint meeting of the two Boards was addressed by representatives of the State Library Commission followed by a general discussion. It is hoped that this effort will result not only in the continuance and increase of the work of the Library on behalf of the children, but in a more general interest in the Library on the part of the teachers, especially in the grade schools.

It has always been the policy of the Library to maintain a department of books parallel with the High School courses. At the present time the School Committee are making a strong appeal to us to provide additional copies, sometimes as many as three, of books already in the Library for the use of the High School students in connection with their studies. We shall go as far in this direction as we can, but limited as we are at the present time for funds for the purchase of books, we do not feel that we can too greatly sacrifice the general public, young and old, in order to do all that is requested for the High School at this time.

In this connection, as indicated in connection with the budget, it is our purpose, as soon as possible, to place deposits of books in all grade schools above the third, in order to get directly to that large percentage of our children who are as yet ignorant of the value of the opportunity offered them by the Public Library. This will place a certain responsibility upon the teachers and add something to their work, but we are assured of their co-operation.

You are already informed of the removal of the Highlands Branch and the circumstances connected therewith.

At the suggestion of the Honorable Charles E. French a Genealogical Department has been added to the Library which will specialize along the line of Melrose genealogy. It is believed that this will be of interest to many of our people.

We record with profound sorrow the death of the Honorable Charles E. French in November, 1921. His keen interest and thorough knowledge of the needs of the Library made him a valuable member and his geniality and wise counsel will be deeply missed.

Respectfully submitted,

PAUL STERLING, *Chairman*  
MARY C. BARTON, *Secretary*  
CLARA G. MULDOON  
NEIL A. DIVVER  
FRANK W. CAMPBELL  
RALPH G. HARMON

*Trustees of the Melrose Public Library*

## Report of the Librarian

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*To the Trustees of the Melrose Public Library:—*

It has been very satisfying to note the growing and varied demands made upon the library and the larger place it is making for itself in the community. The increased use of the reading room by both students and readers and the frequently crowded conditions in the children's room prove that the Library is reaching the people more and more, and yet no librarian is content till it is used by all the people.

Because of the very high price of books, there were fewer purchased the past year than the previous year and yet the circulation was the largest in the history of the library, there being an increase of more than 5,500 over 1920. The library has never been able to satisfy the clamor for the latest fiction. Probably no library can hope to do this, as it would necessitate a large number of copies of a book as soon as published, that all might have it promptly, and when the demand was past the numerous copies would lie idle on the shelves. The duplicate library has helped very much with the new fiction. The circulation of the duplicate library for the year was 749.

The work in the children's room has been very satisfactory. At times the room is so crowded that we have the feeling we would like to push the walls out to make more room, but they seem quite happy, which of course, is what we want. Some one suggested the possibility of using the room in the basement known as the "Gooch Room" for the children. That would not only relieve the congestion and make more quiet possible in the main part of the library, but it would also give the children more liberty. Children are naturally so active, it is pretty difficult to keep them hushed up all the time. What is now the children's room could then be used to advantage for a reference room, leaving the reading room free for just a reading room. The suggestion seemed worth thinking about, so I pass it along to you. Early in the spring we started story-telling in the children's room on Saturday afternoons. The children enjoy it very much and begin to gather early in the afternoon for the story. The number of children varied from six, the smallest number, to thirty-six, the largest. We are indebted to volunteer service for this, and we acknowledge with much appreciation the spirit of the story-tellers in giving this real pleasure to the children.

Another thing which seems a start in the right direction was a course of four lectures given by members of the Woman's Club in the Art Room, and illustrated by pictures from the splendid collection which the library has. The number of people attending, and the interest shown, would seem



to justify more lectures of a like nature. I hope we may soon see the art and history classes in the High School making similar use of the pictures. The nucleus for a collection of pictures to be loaned to the schools, or anybody who can use them, has been started by the Art and Literature Committee of the Woman's Club and given the library. We anticipate much use of these pictures and hope to add to them as we can.

Instruction in the use of the library to classes in the High School has been continued to some extent. The result is gratifying, as there is no doubt but it brings the pupils and the library closer together. There is a big opportunity for the library to extend its usefulness when it can work out the problem of a special assistant to have charge of the work with the schools. For many of the pupils, school ends with the grades, and many more do not go beyond the high school. If they can get the "library habit" and learn how to use the library while still in school, they have a continuation school for just as long as they please, and the help they can have from it is unlimited. It seems to me an opportunity for real worth while service to the community the library should not let pass.

There is a call from the High School for more copies of certain books used by the pupils, which it would be well to consider if possible.

There has been much enthusiasm shown in the genealogical room which is to be put in shape directly. There is a growing interest in genealogy among our people, and the room will be a distinct addition to the library.

The second floor of the library building has been a busy place the past year. The Home Service Committee of the Red Cross has its office in the hall, and the room known as the Historical Room has been used much more than usual as meeting place for several public welfare organizations.

The Librarian wishes to acknowledge with much gratitude the hearty support of the Trustees, and the loyalty and co-operation of the staff. If there has been any degree of success in the library work the past year much of it has been due to these things, and they have made the year a very pleasant one.

ELSIE M. HATCH,

*Librarian*

STATISTICS

Main Library

Adult—28% non-fiction, 72% fiction.....	45,631
Duplicate books.....	749
Juvenile—22% juveniles.....	13,268
Total.....	<hr/> 59,648



## CITY OF MELROSE

## Highlands Branch

Adult—11% non-fiction, 89% fiction.....	15,292	
Juvenile—34 1-3% juvenile .....	7,998	
	<hr/>	
Total.....		23,290

## Wyoming Branch

Adult—32¾% non-fiction, 67¼ fiction.....	8,489	
Juvenile—30½% juvenile .....	3,746	
	<hr/>	
Total.....		12,235

## East Side Branch

Adult—23½% non-fiction, 76½% fiction.....	5,728	
Juvenile—37% juvenile.....	3,513	
	<hr/>	
Total.....		9,241

## Ward 7 Branch

Adult—35% non-fiction, 65% fiction.....	3,900	
Juvenile—34% juvenile.....	2,189	
	<hr/>	
Total.....		6,089

Grand total	<hr/>	110,503
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Number of volumes in library at beginning of year.....	26,514
Number of volumes added by purchase.....	1,442
Number of volumes added by gift.....	336
Number of volumes added by binding.....	11
	<hr/>
Total	28,303

Total number of volumes taken for home use from the library and its branches by children of the grade schools.....	30,714
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## REPORT OF TREASURER OF SPECIAL FUNDS

Melrose Public Library, for year ending December 31, 1921

## William Emerson Barrett Fund

1921

January 1—by balance.....	\$160.60	
July 1—by interest.....	3.60	
December 31—to balance.....	\$164.20	
		<hr/>
		\$164.20

## Horatio Nelson Perkins Fund

1921

January 1—by balance.....	\$745.30	
July 1—by interest.....	16.76	
December 31—to balance.....	\$762.06	
		<hr/>
		\$762.06

## William Bailey Fund

1921

Jan. 1—by balance.....	\$3,213.32	
Feb. 9—by interest.....	20.00	
March 26—by interest.....	10.00	
July 1—by dividend.....	27.04	
July 29—by interest.....	31.88	
October 18—by interest.....	21.88	
Dec. 1—by interest.....	1.59	
May 12—to books purchased.....	\$41.11	
Dec. 31—to balance.....	3,284.60	
		<hr/>
	\$3,325.71	\$3,325.71

## Catalogue Fund

1921

Jan. 1—by balance.....	\$577.27
Feb. 1—by deposit.....	52.61
March 3—by deposit.....	40.48
April 1—by deposit.....	40.78
April 30—by deposit.....	39.32
June 1—by deposit.....	55.29
July 1—by deposit.....	69.19
July 1—by dividend.....	15.37
July 30—by deposit.....	34.81
Oct. 1—by deposit.....	91.77

Nov. 1—by deposit.....		47.10
Dec. 1—by deposit.....		50.12
Dec. 31—by deposit.....		50.85
July 12—to books purchased.....	\$465.00	
July 29—to books purchased.....	39.93	
Forward.....	\$504.93	\$1,164.96

1921

Sept. 17—to Daniel H. Howie (work on Highlands Branch).....	\$60.07	
Oct. 13—To S. S. Porter (electric work Hlds. Br.)..	68.15	
Oct. 13—to Wm. N. Folsom (rent Hlds. Branch)...	40.00	
Oct. 13—to Roscoe Scott (work Hlds. Branch)....	4.00	
Nov. 10—to Wm. N. Folsom (rent Hlds. Branch) ..	40.00	
Nov. 10—to Melrose Coal & Lumber Co. (coal Hlds. Branch).....	32.50	
Dec. 2—to Wm. N. Folsom (rent Hlds. Branch)...	40.00	
Dec. 2—to George P. French (ash cans Hlds. Br.)..	7.00	
Dec. 2—to Library of Congress (cards).....	22.35	
Dec. 31—to Wm. N. Folsom (rent Hlds. Branch) ..	40.00	
Dec. 31—to Malden Electric Co. (service at Hlds. Branch).....	9.57	
Dec. 31—to balance.....	296.39	
	<u>\$1,164.96</u>	<u>\$1,164.96</u>

## Duplicate Library Fund

1921

Jan. 1—by balance.....	\$14.66
Feb. 1—by deposit.....	7.47
Mar. 3—by deposit.....	5.75
Apr. 1—by deposit.....	7.40
Apr. 30—by deposit.....	6.25
June 1—by deposit.....	6.11
July 1—by deposit.....	5.00
July 1—by dividend.....	.15
July 30—by deposit.....	6.00
Oct. 1—by deposit.....	14.50
Nov. 1—by deposit.....	6.25
Dec. 2—by deposit.....	9.32
Dec. 31—by deposit.....	8.60

REPORT OF THE LIBRARIAN

Feb. 9—to books purchased.....	\$17.20	
Apr. 11—to books purchased.....	7.65	
June 28—to books purchased.....	12.33	
July 29—to books purchased.....	6.98	
Nov. 10—to books purchased.....	15.32	
Dec. 2—to books purchased.....	14.40	
Dec. 31—to balance.....	23.58	
	<hr/>	
	\$97.46	\$97.46

FRANK W. CAMPBELL,  
*Treasurer*

## Report of State and Military Aid and Soldiers' Relief

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I herewith submit the annual report of the State and Military Aid and Soldiers' Relief Departments for the year of 1921.

Burial . . . . .	\$60.00
State Aid, Civil War . . . . .	2,064.00
State Aid, German War . . . . .	30.00
Military Aid . . . . .	680.00

### SOLDIERS' RELIEF

Cash Orders . . . . .	\$3,045.00
Fuel . . . . .	650.00
Medical attendance . . . . .	111.50
Medicine . . . . .	59.81
Nursing . . . . .	695.00
Rent . . . . .	120.00
Dry Goods . . . . .	3.00
	<hr/>
	\$4,684.31
Other Expense . . . . .	67.68

Respectfully submitted,

MARY A. KENAH,  
*Agent*



# Report of Sealer of Weights and Measures

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## SCALES ADJUSTED

Number of Scales adjusted and sealed.....	1,001
Number of Scales condemned.....	10

## Trial Weighing and Measurements on Wagons and in Stores

Number of tests made.....	545
Number of tests correct.....	529
Number of underweights.....	8
Number of overweights.....	8
Inspection made in stores and wagons.....	122

Fees received for sealing and adjusting.....	\$89.87
License fees collected.....	220.00
Fees for badges.....	6.75

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Total paid to City Treasurer..... \$316.62

Respectfully submitted,

WILLIAM J. BOWSER,

*Sealer of Weights and Measures*

## City Clerk's Report

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Licenses and fees received in the City Clerk's department from  
January 1, 1921 to December 31, 1921.

Motor Vehicle Licenses, 18 at \$10.00.....	\$180.00
Marriage Intentions, 231 at \$1.00.....	231.00
Junk Licenses, 6 at \$10.00.....	60.00
Mortgages, 74 at 75c.....	55.50
Pool and Billiards, 7 tables at \$5.00.....	35.00
Gasoline Licenses, renewals.....	33.00
Miscellaneous papers.....	49.00
Dog Tax, June.....	76.20
Dog Tax, December.....	54.60
Express and Jobbing Licenses, 29 at \$1.00.....	29.00
Auctioneer's Licenses, 12 at \$2.00.....	24.00
Second-hand Junk Shops, 2 licenses at \$10.00.....	20.00
Bowling Alleys, 2 licenses at \$10.00.....	20.00
Release of Mortgages, 18 at 25c.....	4.50
Release of Mortgages, 1 at 4.85.....	4.85
Drivers Licenses, 6 at \$1.00.....	6.00
Hackney Carriage Licenses, 6 at \$1.00.....	6.00
Business Notices, 22 at 25c.....	5.50
Intelligence Office, 4 at \$1.00.....	4.00
Gasoline Licenses, 3 at \$1.00.....	3.00
Gunpowder and Firearms, 1 at \$1.00.....	1.00
Doctors' Certificates.....	.25
	\$902.40
Paid City Treasurer.....	902.40
Appropriation in Budget for City Clerk's Department—	
Salaries and Wages.....	\$2,650.00
Salaries paid as per Auditor's Report.....	2,650.00
Appropriation in Budget for City Clerk's Department—	
Other Expenses.....	400.00
Bills paid as per Auditor's Report.....	393.33
	\$6.67
Balance due December 31, 1921.....	\$6.67
Appropriation in Budget for City Clerk's Department—	
Vital Statistics.....	\$290.00
Bills paid as per Auditor's Report.....	289.00
	\$1.00
Balance due December 31, 1921.....	\$1.00

CITY CLERK'S REPORT

93

Appropriation in Budget for printing and distributing the City Report.....	\$1,100.00
Bills paid as per Auditor's Report.....	941.68
	<hr/>
Balance due December 31, 1921.....	\$158.32
Appropriation in Budget for Election and Registration—	
Salaries and Wages.....	\$1,100.00
Bills paid as per Auditor's Report.....	1,032.85
	<hr/>
Balance due December 31, 1921.....	\$67.15
Appropriation in Budget for Elections and Registrations—	
Other Expenses.....	\$1,000.00
Bills paid as per Auditor's Report.....	720.43
	<hr/>
Balance due December 31, 1921.....	\$279.57

DOG LICENSES

565 Male Dogs at \$2.00.....	\$1,130.00
89 Female Dogs at \$5.00.....	445.00
	<hr/>
	\$1,575.00
654 Licenses, less fees at 20c each, paid City Treasurer.....	130.80
	<hr/>
	\$1,444.20
Paid to County Treasurer.....	1,444.20

HUNTING, FISHING AND TRAPPING LICENSES

Hunting Licenses.....	249
Fishing Licenses.....	104
Fishing Licenses N. R.....	2
Trapping Licenses.....	5
	<hr/>
Total.....	360

Respectfully submitted,

W. DeHAVEN JONES,

*City Clerk*

## Report of Registrars of Voters

The Registrars of Voters met on April 26, 1921, and laid out plans for the year. The annual meeting was held on May 2, 1921, when Edwin J. Tirrell was sworn in for another three year term. Edwin L. Cragin was elected chairman for another year and the City Clerk, W. DeHaven Jones, was clerk *ex-officio*. A large number of lists were received of people exempt from jury duty. Miscellaneous requests for information were answered, and then the card system of voters was corrected by removals for marriages, notices of which were sent females to register again. The list of names for jury duty were made, and posted in July; there were 243 names on the list.

The Registrars received the assessed polls the last of July and held continuous sessions for the revision of the voting lists. They took 732 names off the lists, not found at old addresses, after many meetings and much correspondence; 212 were found in other wards—dropping 520. This is accounted for by the shortage of housing conditions, many having to leave town. The voting lists were posted the first week in September.

There was only one election this year,—City Election. Registrations were held on the following dates,—daily sessions in the City Clerk's office, Oct. 4, Nov. 1, 8, and 15 during office hours. Evening sessions Nov. 1, 8 and 15 from seven to ten p.m., final session Nov. 23d from 12 M to 10 p.m., when registration ceased. Nomination papers were certified by the Registrars at various special meetings; over 4,000 names were certified.

The following table shows the voters at the close of registration:

1921		
CITY ELECTION DECEMBER 13th		
Ward	Registered	Voting
1	1068	711
2	1243	859
3-1	526	366
3-2	535	367
4	1017	752
5	827	564
6	1124	814
7-1	784	541
7-2	160	105
	7284	5079

Respectfully submitted,  
 EDWIN L. CRAGIN,  
 JOHN J. KEATING  
 EDWIN J. TIRRELL  
 W. DeHAVEN JONES

*Registrars of Voters:*

# Report of the Collector

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## TAX 1918

Uncollected Dec. 31, 1920.....	\$702.21	
Additional.....	124.00	
Abated.....		\$21.70
Cash paid Treasurer.....		809.44
Overpaid.....	4.93	
	\$831.14	\$831.14

## TAX 1919

Uncollected Dec. 31, 1920.....	\$54,600.85	
Abated 1921.....		\$567.94
City Possessions 1921.....		1,023.75
Takings 1921.....		5,062.78
Cash paid Treasurer 1921.....		46,769.97
Uncollected Dec. 31, 1921.....	\$54,600.85	1,176.41
		\$54,600.85

## TAX 1920

Uncollected Dec. 31, 1920.....	\$224,588.52	
Abated in 1921.....		\$1,150.03
Cash paid Treasurer.....		156,341.06
Uncollected Dec. 31, 1921.....		67,097.43
	\$224,588.52	\$224,588.52

## TAX 1921

Warrant.....	\$715,607.38	
Additional.....	1,886.60	
Abated in 1921.....		\$7,037.61
Paid Treasurer 1921.....		437,946.07
Uncollected Dec. 31, 1921.....		272,510.30
	\$717,493.98	\$717,493.98



## CITY OF MELROSE

## RECAPITULATION

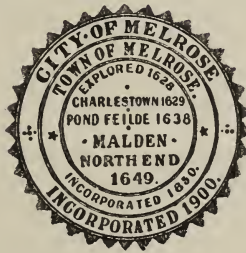
Cash paid on Taxes.....	\$641,866.54
Street Watering.....	18,504.89
Water.....	54,497.42
Summons.....	112.60
Sewers.....	2,582.06
Sewers Interest.....	562.68
Sidewalks.....	6,949.34
Sidewalks Interest.....	1,123.26
General Interest Account.....	10,864.17
Collector's Fee Receipts.....	1,042.60
Moth.....	104.75
Betterments.....	2,319.25
Interest.....	469.93
Takings, Interest, etc.....	4,398.54
	<hr/>
	\$745,398.03

JAMES W. MURRAY  
*City Collector*

TWENTY-SECOND ANNUAL REPORT

OF THE

# PUBLIC WORKS DEPARTMENT



GEORGE O. W. SERVIS

Engineer and Superintendent

# CITY OF MELROSE

MASSACHUSETTS

1921

## ORGANIZATION

1921

Mayor

HON. ANGIER L. GOODWIN

GEORGE O. W. SERVIS

Engineer and Superintendent

EMMA L. LEIGHTON

*Stenographer*

WILLIAM H. MARTIN

*Bookkeeper*

BLANCHE E. NICKERSON,

*Asst. Stenographer*

ENOS R. PYE,

*Asst. Bookkeeper*

AMY F. BARRY

*Clerk*

PATRICK G. DeCOURCY,

*Timekeeper*

Assistant in Charge of Water Division

JAMES McTIERNAN

Assistant in Charge of Highways, Sewers and Drains

WALTER J. LORD

Engineering Division

CHARLES F. WOODWARD

*Assistants*

ALBERT J. WAGHORNE

ARNOLD K. PRIOR

JOHN F. RAND

WILLARD THOMPSON

RICHARD T. RICKER

# Report of Public Works Department

To the Honorable Mayor and Board of Aldermen  
of the City of Melrose, Mass.

Gentlemen:—

I submit the following report of the Public Works Department for the year 1921.

This Department has the general care of all public highways (streets, sidewalks, trees), construction of new streets and sidewalks, street lighting, street sprinkling, street cleaning, collection of ashes, street signs, and house numbering, and all work connected with the sewer, surface drainage and water systems, all engineering work relating to the above, care of City Hall, and the placing of insurance on city property.

## PUBLIC WORKS OFFICE

Contracts have been made for tar concrete and granolithic sidewalks and edgestones. Minimum rate and excess water bills and summonses have been made and delivered. Sewer connections, water services, and individual sidewalks have been estimated and billed. Estimates have been made for the Board of Aldermen and committees as requested. Sidewalk assessments, sewer assessments, and apportionments, betterment assessments and street watering assessments have been made.

All engagements of the City Auditorium have been booked and bills rendered, and insurance placed on all city property. Two hundred and eleven permits have been given to open and occupy streets.

## SALARIES AND WAGES

Appropriation.....	\$1,500.00	
Less Transfer.....	450.00	\$4,050.00

### Expended

Salary, Engr. and Supt. Public Works.....	\$2,750.00	
Clerical Services, General Offices.....	1,291.10	4,041.10
Balance.....		\$8.90

**OTHER EXPENSES**

Appropriation.....	\$800.00	
Transfer from other accounts.....	200.00	
Collections.....	25.66	\$1,025.66
		<hr/>

**Expended**

Supplies.....	\$165.85	
Use of Automobile.....	335.00	
Schoolhouse Inspection.....	66.00	
Printing Public Works Dept., Report.....	38.02	
Stamps and Stationery.....	193.60	
Telephone Service.....	35.35	
Advertising.....	19.95	
Sundries.....	54.58	908.25
		<hr/>
Balance.....		\$117.41

**WATER DIVISION**

Cast iron mains have been extended in Appleton Street, Beach Street, Cumner Avenue, First Street, Hesseltine Avenue, Linden Road, Lynn Fells Parkway, Naples Road, Orient Park, and Simonds Road.

Cement mains have been replaced with cast iron on East Foster Street, Spear Street, and Washington Street, and cast iron mains lowered on Appleton Street, Beach Street (4 inch replaced with 6 inch), East Foster Street, Rogers Street, Spear Street, Goss Avenue and Whitman Avenue. (See tables for details.)

Sixty-nine new services were laid.

**Hydrants and Gates**

Four additional hydrants have been placed, and five 4 inch hydrants replaced with 6 inch hydrants.

Twenty-two gates have been placed (8 on mains and 14 on hydrants).

**Water Meters**

Fifty-six meters have been installed and eight removed.



**Maintenance and Operation**

The entire system of mains, services, hydrants, water meters, etc., have had careful attention and the necessary repairs and changes have been made. Following are some of the items.

- 7 services in private premises cleaned.
- 23 joints in iron pipe repaired.
- 62 service leaks in street repaired.
- 5 services in street cleaned.
- 9 breaks in cement pipe repaired.
- 49 services in street renewed with lead.
- 38 services in private premises renewed with lead.
- 2 gates repacked.

Hydrants have been oiled, repaired, painted and kept free from snow and ice. The Table of relay gives length, size, etc., of cast iron pipe used to replace defective or small cement pipe, and cast iron pipe lowered for protection from frost. There still remains about ten and forty-two one hundredths (10.42), miles of cement pipe that should be replaced by cast iron pipe as soon as possible.

## Total Pipeage of the City

Length in feet $\frac{3}{4}$ inch pipe.....	1,363
Length in feet 1 inch pipe.....	2,105
Length in feet $1\frac{1}{2}$ inch pipe.....	375
Length in feet 2 inch pipe.....	6,235
Length in feet 4 inch pipe.....	55,395
Length in feet 6 inch pipe.....	155,141
Length in feet 8 inch pipe.....	25,731
Length in feet 10 inch pipe.....	20,334
Length in feet 12 inch pipe.....	23,097
Length in feet 14 inch pipe.....	3,024
Length in feet 16 inch pipe.....	5,223
Total.....	298,023

Length of cast iron pipe, 242,965 feet or 46.02 miles.

Length of cement pipe, 55,058 feet or 10.42 miles.

Total miles, 56.44.

Number of services in use.....	4,327
Number of meters.....	4,467
Number of fire hydrants.....	387
Number of gates on mains.....	710
Number of stand pipes for street sprinkling.....	32
Number of watering troughs.....	1
Number of ornamental fountains.....	2
Number of drinking fountains (bubblers).....	9
Number of fire services.....	20

## WATER CONSTRUCTION, 1921

LOCATION	Cast Iron Pipe Laid		Gates		Hydrants	
	Size Inches	Length Feet	Size In.	No.	Size In.	No.
Ashland St. hydrant, near Day St.			6	1		
Appleton St., Irving St., westerly	6	48				
Beach St., No. 26, southerly	6	134				
Cumner Ave., Folsom Ave., n'thly	6	157	6	1		
First St., cor. Gooch St. on hyd.			6	1		
First St., No. 353 to Highview Ave. and gate on hydrant.	6	278	6	1		
Florence Ave., across Rogers St.	6	40				
Foster St., east cor. of Larrabee St. on hydrant			6	1	6	1
Fairmont St., cor. Appleton St.			6	1		
Goss Ave., north side Rogers St.	6	13				
Gould St., opp. No. 5 to No. 8.			6	1		
Hesseltine Ave. from gate at Howard St., northerly	6	252				
Highview Ave. con. at First St.	6	17	6	1		
Linden Road, No. 81, easterly	6	132	6	1		
Leah St., Rogers St., southerly	6	30				
Lynn Fells Pkwy, Green St., east'y	6	145	6	1		
Naples Rd., end of pipe easterly	6	170				
Rogers St. at Goss Ave. on main			6	1		
Rogers St. at Goss Ave. on hyd.			6	1		
Rogers St. at Whitman Ave. hyd.			6	1		
Simonds Rd., end of pipe north-easterly	6	96	6	1	6	1
Simonds Rd. (off) to Kiley's Barn	4	128	4	1		
Spear St., between Nos. 55 and 97						
"    " on main			6	1		
"    " on hydrant			6	1		
"    " south of No. 55 about 150 ft.			6	1	6	1
Trenton St. on hydrant corner Russell St.			4	1		
Warren St., new gate on hydrant			6	1		
Washington St. on hydrant at Ravine Road			10	1		
Washington St. opposite No. 407					6	1
Whitman Ave., north side of Rogers St.	6	12				
		1,652		21		4

## WATER RELAY, 1921

LOCATION	Cast Iron Pipe Laid		Pipe Abandoned		Kind	Hydrants Changed	Gates Changed
	Length ft.	Size in.	Length ft.	Size in.			
Beach Street off Washington St.	183	6	183	4	Cast iron		1 4in.-6in
First Street.						1	
Foster St. E., at Larrabee St.	78	6	78	1	Cement		
Foster St. E.	109	6	109	6	Cement		
Gould St.						1	
Haverhill Place	26	4	26	2	Iron		
Orient Park	215	4	215	2	Iron		1 2in.-4 in
Rogers St., at Whitman Ave.						1	
Rogers St. at Goss Avenue						1	
Spear Street	530	6	530	6	Cement		
Foster St. E., at Sixth Street	234	6	234	6	Cement	1	
Washington St. at Ravine Road	660	10	660	10	Cement		
	2,035		2,035			5	2

## WATER ASSESSMENTS AND CONSUMPTION

The annual assessments paid by the City of Melrose as its proportional part of the cost and operation of the Metropolitan Water Works are given below:

Year	Total
1898.....	\$2,332.94
1899.....	4,921.63
1900.....	6,740.49
1901.....	12,546.32
1902.....	14,434.93
1903.....	17,815.34
1904.....	19,722.73
1905.....	20,478.53
1906.....	25,230.09
1907.....	26,971.19
1908.....	28,693.90
1909.....	24,523.38
1910.....	19,640.91
1911.....	21,200.58
1912.....	20,978.01
1913.....	22,684.86
1914.....	22,647.92
1915.....	19,321.32
1916.....	18,936.29
1917.....	18,835.83
1918.....	20,222.33
1919.....	22,670.68
1920.....	23,153.10
1921.....	24,093.56

The average daily per capita consumption (gallons) of water in Melrose, as recorded by the Venturi meter, operated by the Metropolitan Water Works is shown for the years 1907-09 and 1917-21.

1907	1908	1909	1917	1918	1919	1920	1921
118	89	63	51	66	58	61	57

In 1908 general metering of the city was commenced and in 1909 practically all services were metered. All new services are metered when put in use. Tables show saving made by metering.

WATER CONSTRUCTION

Balance from 1920 account.....	\$4,295.40		
Appropriation.....	10,000.00		
Appropriation.....	10,000.00		\$24,295.00
		<hr/>	

Expended

Services:

Stock and Insurance.....	\$1,177.13		
Labor and teams.....	2,047.69	3,218.82	
	<hr/>		

Meters Installed:

Stock and Insurance.....	\$527.29		
Labor and teams.....	109.42	636.71	
	<hr/>		

Main Lines:

Stock and Insurance.....	\$6,707.81		
Labor and teams.....	9,226.69		
Trench lighting.....	447.62	16,382.12	20,237.65
	<hr/>	<hr/>	<hr/>
Balance.....			\$4,057.75

Cash.....	\$1,484.62		
Stock on hand..	2,573.13		

WATER MAINTENANCE

Appropriation.....	\$20,000.00		
Stock on hand Jan. 1, 1921.....	7,158.04		
Collections.....	46.55		
Received from other accounts.....	1,131.03		\$28,335.62
		<hr/>	

## Expended

Services, maintenance and repairs . . . . .	\$3,702.30	
Relay main lines . . . . .	7,214.39	
Maintenance and operation main lines . . .	1,004.73	
Maintenance and operation hydrants . . .	777.58	
Meters, reading . . . . .	2,350.92	
Meters, remove and repair . . . . .	2,464.31	
Salaries and general account . . . . .	3,243.85	
Hardware and sundries . . . . .	1,383.51	
Stamps and stationery . . . . .	293.41	
Telephone service . . . . .	119.61	
Stock, labor and yard expenses . . . . .	417.35	
Travelers' Insurance Company . . . . .	217.20	
Use of automobiles . . . . .	276.01	
Trench tools . . . . .	1,840.45	
Trench lighting . . . . .	447.61	25,753.23
		<hr/>
Balance . . . . .		\$2,582.39
Cash . . . . . \$1,001.79		
Stock . . . . . 1,580.60		

## INSIDE SERVICES AND CHARGES

Total receipts . . . . . \$3,742.75

## Expended

Payrolls, Insurance and tools . . . . .	\$1,830.09	
Stock and teams . . . . .	1,910.10	3,740.19
		<hr/>
Balance . . . . .		\$2.56

## Stock Account

Stock on hand Jan. 1, 1921 . . . . .	\$7,158.04	
Stock purchased 1921 . . . . .	5,396.72	
Stock, labor and yard rent . . . . .	417.35	\$12,972.11
		<hr/>



Credit

By stock charged to other accounts.....	\$8,452.69	
By stock maintenance account.....	2,938.82	11,391.51
	<hr/>	<hr/>
Balance.....		\$1,580.00

Cost of System

Construction to Jan. 1, 1921.....	\$514,464.37
Construction 1921.....	20,237.65
	<hr/>
Total cost to Jan. 1, 1922.....	\$534,702.02

Water Rates

Received by Treasurer:

1913.....	\$3.99	
1915.....	9.00	
1916.....	9.94	
1917.....	9.00	
1918.....	12.53	
1919.....	127.98	
1920.....	9,582.34	
1921.....	44,742.84	
	<hr/>	
	\$54,497.62	
Summons.....	112.40	\$54,610.02
	<hr/>	
1921 rates as billed.....		\$55,151.07

HIGHWAYS

**Sears Avenue.**—The construction has been completed, walls, granolithic steps and roadway.

**Orient Park and Orient Place.**—The roadway has been macadamized and the sidewalks with constructed soft coal cinders covered with stone dust.

**East Foster Street.**—From Larrabee Street to Sixth Street the gutters have been paved with granite blocks and the roadway macadamized.

**Appleton Street.**—From Irving Street to Fairmount Street new edgestones were set on the northerly side and old edgestones reset on the southerly side, the gutters paved and the roadway macadamized.

**Rogers Street.**—A sewer was constructed from Argyle Street to Florence Avenue, a drain with necessary catch basins from Swain's Pond Avenue to Whitman Avenue (gas main was laid by the Malden and Melrose Gas Light Company from Swain's Pond Avenue to Goss Avenue), and the roadway macadamized from Swain's Pond Avenue to Goss Avenue. The roadway will be completed to Argyle Street in 1922. Sidewalks were constructed with soft coal cinders.

**Waverly Place.**—Edgestones were set and granolithic sidewalks constructed and roadway macadamized.

**Warwick Road.**—From Lynn Fells Parkway to Perkins Street edgestones were set and gutters paved where necessary. A drain was constructed from Perkins Street to Sherman Road and the roadway graded. The roadway will be macadamized in 1922.

**Sanford Street.**—From Cutter Street to Maple Street the roadway was macadamized.

Gutters were paved with granite blocks on Ashland Street from Richardson Road to Henry Avenue where edgestones had been set.

All highways previously treated with asphalt or tar were patched or repaired. New streets added to the street sprinkling lists were graded preparatory to treatment, and nearly all streets treated with an asphaltic oil or tar and covered with sand.

### Surface Drainage

A new culvert was constructed on Howard Street east of Nelson Road with cement masonry stone sidewalls covered with reinforced concrete, making a wider and deeper culvert, an improvement that has been needed for years. The new work was extended farther north than formerly making it possible to have a sidewalk on the northerly side of Howard Street.

The brook was deepened and widened from Howard Street northerly, and from Howard Street to and through what was formerly Bennett's Pond and Dam to the Saugus line.

Drains have been constructed in Albion Street, Franklin Street, and Sargent Street to Briggs Street, Howard Street, Rogers Street, East Foster Street, Swain's Pond Avenue, Warwick Road, Spear Street across private land.

The culvert at Main Street over Ell Pond outlet was repaired where water mains crossed the brook, and a wall constructed on the north side of the brook, Main Street easterly about forty feet (near Grove Street).

New catch basins have been constructed and connected to the above drains and on drains constructed in previous years. (For locations see table.)

Care of Brooks

As the Surface Drainage System is extended the care of the open brooks becomes more important, as the surface water is delivered more rapidly and with increasing volume, and the brooks must be kept free from refuse and thoroughly cleaned at least once a year.

Planting New Trees

Seventy-two Norway maple trees have been set out where requests were made and ten dead or injured trees replaced, the applicant paying the cost of the tree, the planting being paid from the appropriation for planting new trees. Entire streets should be planted at the same time where possible to obtain proper spacing and uniform growth. The disastrous sleet storm of November injured most of the old trees and some of the young trees set out during the past eight years, many beyond repair. The planting of new trees should be advocated and encouraged to overcome to some extent the effects of this storm.

Sidewalks

There have been 6,545 linear feet of new edgestones set and 480 linear feet of edgestones reset, in connection with which it was necessary to replace 71 square yards of gutters.

There have been 4,428.71 square yards of granolithic and 283.31 square yards of new tar concrete sidewalks constructed. Under repairs to present walks 2,484.48 square yards of three coat work, 2,946.75 square yards of two coat work, and 2,212.71 square yards of top-dressing of tar concrete sidewalks have been repaired. Many unimproved sidewalks have been graded with soft coal cinders and covered with stone dust. (See tables.)

GENERAL ADMINISTRATION

Appropriation.....	\$3,000.00
--------------------	------------

Expended

Bookkeeper, part salary.....	\$874.50	
Assistant Bookkeeper, part salary.....	631.34	
Assiatant Superintendent, part salary....	1,124.16	
Use of automobile.....	370.00	3,000.00

## HIGHWAY REPAIRING

Appropriation.....	\$40,000.00	
Balance 1920 account.....	402.07	
Collections per Treasurer.....	1,167.03	
Transfer.....	2,434.03	
Street Railway Tax.....	91.83	44,094.96
	<hr/>	

## Expended

Pay rolls.....	\$40,936.37	
Invoices and stock.....	29,892.00	
Stock from other divisions....	352.04	\$71,180.41
	<hr/>	
Less transferred and sold to other accounts.....	28,631.45	42,548.96
	<hr/>	<hr/>
Balance.....		\$1,546.00

## APPLETON STREET

Appropriation.....	\$3,900.00
--------------------	------------

## Expended

Street work.....	\$1,066.97	
Paving.....	728.04	1,795.01
	<hr/>	<hr/>
Balance.....		\$2,104.99
Not completed.		

## FOLSOM AVENUE

Balance 1919 Account.....	\$134.23
---------------------------	----------

## Expended

Stock and teams.....	\$91.36	
Labor as per pay rolls.....	42.87	134.23
	<hr/>	<hr/>

EAST FOSTER STREET

Appropriation.....	\$8,600.00	
Less amount transferred.....	2,191.53	\$6,408.47
	<hr/>	

Expended

Labor and teams.....	\$3,123.84	
Stock and Insurance.....	3,284.63	\$6,408.47
	<hr/>	<hr/>

GENEVA ROAD

Balance from 1920.....		\$53.86
------------------------	--	---------

Expended

Labor as per pay rolls.....		\$53.86
		<hr/>

ORIENT PARK

Appropriation.....	\$1,540.00	
Transferred from other accounts.....	89.63	\$1,629.63
	<hr/>	

Expended

Labor and teams.....	\$1,054.75	
Stock.....	574.88	1,629.63
	<hr/>	<hr/>

ORIENT PLACE

Appropriation.....	\$1,500.00	
Received from other accounts.....	1.31	
	\$1,501.31	
Less transfer.....	89.63	\$1,411.68
	<hr/>	

## CITY OF MELROSE

## Expended

Labor and teams.....	\$730.75	
Stock.....	636.48	1,367.23
		<hr/>
Balance.....		\$44.45

## ROGERS STREET

Appropriation.....		\$12,000.00
--------------------	--	-------------

## Expended

Labor and teams.....	\$3,498.46	
Stock.....	2,438.70	5,937.16
		<hr/>
Balance.....		\$6,062.84
Not completed.		

## SANFORD STREET

Balance from 1920 accounts.....	\$238.17	
Transferred from other accounts.....	1,022.38	
		<hr/>
	1,260.55	
Less transfers to Highway Repairs.....	212.69	\$1,047.86
		<hr/>

## Expended

Labor and teams.....	\$367.83	
Stock.....	680.03	1,047.86
		<hr/>

## SEARS AVENUE

Appropriation.....	\$11,000.00	
Transferred from other accounts.....	1,807.10	\$12,807.10
		<hr/>



Expended

Expended during 1920 . . . . .	\$9,476.14	
Street work . . . . .	1,854.86	
Curbing . . . . .	344.91	
Land damages . . . . .	732.25	
Paving . . . . .	398.94	12,807 10
	<hr/>	<hr/>

WARWICK ROAD

Appropriation . . . . .	\$18,000.00
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Expended

Paving . . . . .	\$908.76	
Grading . . . . .	992.01	
Curbing . . . . .	3,499.88	
Changing grade of manhole . . . . .	28.65	5,429.30
	<hr/>	<hr/>
Balance . . . . .		\$12,570.70
Not completed.		

WAVERLY PLACE

Appropriation . . . . .	\$11,000.00
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Expended

Street work . . . . .	\$3,129.73	
Curbing . . . . .	2,302.82	
Sidewalks . . . . .	3,107.56	
Change grade of manholes . . . . .	19.25	8,559.36
	<hr/>	<hr/>
Balance . . . . .		\$2,440.64
Not completed.		

Unexpended Balances

Main Street . . . . .	\$1,124.32	
Porter and Main Street (rounding corner)	263.32	
Survey and plans Public Works Dept:		
Building Tremont St., Order No. 13374,		
Board of Aldermen . . . . .	300.00	\$1,687.64

## CITY OF MELROSE

## GRAVEL SIDEWALKS

## Amounts Expended, Stock, Teams and Labor

General repairs.....	\$27.24
Askland Place.....	12.75
Auditorium Driveway.....	54.47
Cherry Street.....	24.06
City Hall Driveway.....	15.75
Damon Avenue.....	57.52
Dell Avenue.....	54.76
Gould Street.....	79.82
Hancock Street.....	20.63
Linwood Avenue.....	33.11
Maple Street.....	20.74
Orris Street.....	49.49
Pleasant Street.....	151.13
Spear Street.....	72.14
Upham Street.....	38.25
	<hr/>
	\$711.86

## HIGHWAY REPAIRS

## Amount Expended, Stock, Teams, and Labor

Albion Street.....	\$4.12
Altamont Avenue.....	63.73
Argyle Street.....	104.00
Baxter Street.....	53.50
Chestnut Park.....	9.22
Cleveland Street.....	132.37
Dell Avenue.....	44.01
East Street.....	226.05
Eleventh Street.....	44.33
First Street.....	632.51
Folsom Avenue.....	20.95
Geneva Road.....	74.88
Gibbons Street.....	23.76
Grove Street.....	41.62
Highland Avenue, East.....	275.08
Hillcrest Avenue.....	19.00
Holland Road.....	320.13
Larrabee Street.....	74.38
Laurel Street.....	628.62
Main Street.....	70.14
Maple Street.....	337.59

Moreland Road.....	19.00
Mount Vernon Street.....	303.70
Poplar Street.....	213.57
Prospect Street.....	28.38
Reading Hill Avenue.....	265.62
Sanford Street.....	11.63
Sixth Street.....	153.19
Sylvan Street.....	168.56
Upland Road.....	142.33
Waverly Avenue.....	87.75
Winter Street.....	64.06
	<hr/>
	\$4,657.83

MISCELLANEOUS

Ice for Drinking Fountain:

Appropriation..... \$50.00

Expended

Ice..... 

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 50.00

Pensions:

Appropriation.....	\$4,000.00	
Credits by Treasurer.....	10.08	
Transferred from other accounts.....	19.35	4,029.43
	<hr/>	

Expended

Pay rolls..... 4,029.43

Vacations:

Appropriation..... \$4,500.00

Expended

Transferred to other accounts.....	\$450.00	
Pay rolls.....	3,977.95	4,427.95
	<hr/>	

Balance..... \$72.05

**Removal of Snow and Sanding:**

Appropriation.....	\$3,000.00	
Overdraft to 1922 account.....	3.64	\$3,003.64
	<hr/>	

**Expended**

Labor and teams.....	\$2,890.64	
Stock.....	108.50	
Overdraft of 1920 account.....	4.50	3,003.64
	<hr/>	<hr/>

**Auto Truck:**

Appropriation.....		\$1,850.00
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**Expended**

Invoice.....		1,850.00
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**CITY HALL****Salaries and Wages**

Appropriation.....		\$2,500.00
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**Expended**

Pay rolls.....	\$2,367.56	
Invoices, Liability Insurance.....	12.60	2,380.16
	<hr/>	<hr/>
Balance.....		\$119.84

**Other Expenses**

Appropriation.....	\$4,000.00	
Collections by Treasurer.....	1.92	\$4,001.92

Expended

Supplies.....	\$344.87	
Repairs.....	467.63	
Coal and wood.....	1,331.93	
Electric lighting.....	1,292.23	
Gas lighting.....	99.20	
Plants for vase.....	78.50	
Water rates.....	80.88	
Labor.....	52.55	
City teams.....	5.53	3,753.32
	<hr/>	<hr/>
Balance.....		\$248.60

CROSSWALKS AND PAVING

Balance from 1920.....	\$2,946.70	
Appropriation.....	5,000.00	\$7,946.70
	<hr/>	

Expended

Labor and teams.....	\$835.03	
Stock, Insurance and tools.....	578.55	1,413.58
	<hr/>	<hr/>
Balance.....		\$6,533.12

INSURANCE

Appropriation.....	\$900.00	
Return Premiums.....	1.46	
Transferred from other accounts.....	97.11	\$998.57
	<hr/>	

Expended

Premiums on Policies.....		998.57
		<hr/>

PLANTING NEW TREES

Appropriation.....	\$250.00	
Collections.....	420.00	\$670.00

## CITY OF MELROSE

## Expended

Labor <sup>7</sup> and teams.....	203.16	
Trees.....	150.00	
Loam.....	75.95	429.11
	<hr/>	<hr/>
Balance.....		\$240.89

## CARE OF TREES

Appropriation.....	\$1,500.00	
Appropriation.....	500.00	
Appropriation.....	3,000.00	
Collections.....	86.21	\$5,086.21

## Expended

Labor and teams.....	\$4,830.23	
Stock, Insurance and tools.....	255.98	5,086.21
	<hr/>	<hr/>

## STREET LIGHTING

Appropriation.....	\$24,000.00	
Collections, Park Dept.....	270.00	24,270.00

## Expended

Invoices, Malden Electric Co., as per contract.....		22,431.51
		<hr/>
Balance.....		\$1,838.49

## STREET SPRINKLING

## Expended

Labor and teams.....	\$5,620.90	
Tarvia.....	18,111.10	\$23,732.00
	<hr/>	
Appropriations.....	\$1,000.00	
Assessments.....	24,241.58	



STREET CLEANING

Appropriation..... \$6,500.00

Expended

Labor and teams..... 6,500.00

COLLECTION OF ASHES AND RUBBISH

Appropriation..... \$11,000.00  
 Transferred from other accounts..... 600.00 11,600.00

Expended

Labor and teams..... 11,118.53  
 Insurance, tools and supplies..... 453.85  
 Labor, delivering ash cards..... 27.62 11,600.00

STREET GUIDE BOARDS AND NUMBERS

Appropriation..... \$500.00

Expended

Labor..... \$106.13  
 Signs..... 306.25  
 Sign irons..... 14.70  
 House numbers..... 11.44  
 City teams, insurance and tools..... 43.31  
 Painting crosswalks..... 18.17 500.00

CONTINUOUS WALKS

Balance 1920..... \$15,169.09  
 Received from Repair of Walks..... 14.00  
 Transfer..... 16.00  
 Received from Individual Walks..... 216.20  
 Collections..... 6,949.21 \$22,364.63

## Expended

Pay rolls .....	\$4,110.73	
Invoices .....	14,972.16	
Highway Division Account .....	269.24	
Sewer Division Account .....	7.75	
Engineer's Salary Account .....	285.19	19,645.07
	<hr/>	<hr/>
Balance .....		\$2,719.56

## INDIVIDUAL WALKS

Balance from 1920 .....	\$898.95	
Appropriation .....	1,000.00	
Collections .....	1,136.95	\$3,035.90
	<hr/>	<hr/>
Less refunds in 1920 .....		118.50
		<hr/>
		\$2,917.40

## Expended

Labor as per pay rolls .....	\$302.46	
Invoices .....	1,879.25	
Highway stock and teams .....	101.49	
Sewer Stock .....	.90	
Continuous walks stock .....	232.20	2,516.30
	<hr/>	<hr/>
Balance .....		\$401.10

## REPAIR OF PRESENT WALKS

Appropriation .....	\$6,000.00	
Transferred from other accounts .....	839.00	\$6,839.00
	<hr/>	<hr/>

## Expended

Labor per pay rolls .....	\$535.91	
Highway Division, stock and teams .....	125.99	
Granolithic .....	119.30	
Paving brick .....	29.85	
Concrete work .....	5,917.80	
Insurance and tools .....	56.93	6,783.78
	<hr/>	<hr/>
Balance .....		\$55.22



CONTINUOUS WALKS—1921

STREET	Side	From	To	Edgestone		No. of Blocks	Granolithic		Concrete Sq. yds.	Sodding Sq. ft.	Seeding Sq. ft.
				Straight	Curved		Walks	Drives			
Ashland St.	West..	Marvin Rd...	Southerly..				125.70			541.00	
Ashland St.	East...	Richardson Rd.	Southerly..				139.60			523.30	
Ashland St.	East...	No. 123...	Northerly..				104.30			359.40	
Bellevue Ave.	East...	Emerson St..	Northerly..			2	285.93			1,472.00	
Boardman Ave.	South..	Brook...	Damon Ave.			4					
Cleveland St.	East...	Maple St...	Sanford St..			14				670.00	
Cleveland St.	East...	Maple St...	Southerly..				127.88				
E. Emerson St.	South..	Bellevue Ave.	Stratford Rd.			1	124.32				
East St.	West...	Upham St...	Northerly..			2	106.44			356.00	
Florence St.	Both...	Wyoming Ave.	Chester St..			6			136.10	377.00	
Florence and Chester Sts.	W. & S.					2				2,362.00	
Lincoln St.	Both...	Emerson St..	Sawyer Rd.			2	429.30			1,462.00	
Lincoln St.	East...	Upham St...	Emerson St..				192.80				
Melrose St.	South..	Flags...	School lot..				78.40				
Maple St.	South..	Cleveland St.	Southerly..			2	119.88			752.50	
Mt. Vernon Ave.	West...	Mt. Vernon St.	Summit...			2					
Nowell Rd.	East...		Parkway...				688.53			3,372.27	
Sewall Woods Rd.	N. & E.	Dyer Ave...	Eastery...				88.33			433.50	
Sanford St.	South..	Cleveland St.	Cleveland St.				22.50			97.20	
Sargent St.	West...	No. 74...	No. 74...				50.00			218.70	
Sargent St.	West...	No. 78...	No. 78...				23.47			97.20	
Sargent St.	West...	No. 86...	No. 86...				22.22			8.80	
Sargent St.	West...	No. 90...	No. 90...								
Warwick Rd.	West...	Perkins St..	Northerly..			4					
Willow St.	East...	Foster St...	Cherry St...						147.21		

SEWER DIVISION

Construction

Balance 1920.....	\$598.43	
Appropriation.....	10,000.00	
Collections.....	32.72	
From other divisions, stock and labor.....	10,412.52	\$21,043.67
	<hr/>	

Expended

Pay rolls.....	4,851.03	
Stock purchased.....	7,617.92	
Highway, stock and teams.....	1,843.24	
Labor and stock transfer.....	66.76	14,381.95
	<hr/>	<hr/>
Balance.....		\$6,661.72

COST OF SYSTEM

Construction to Jan. 1, 1921.....	\$512,002.97	
Construction 1921.....	7,013.93	
	<hr/>	
Total.....		\$519,016.90

Maintenance

Appropriation.....	\$2,000.00	
Collections by Treasurer.....	202.94	\$2,202.94
	<hr/>	

Expended

Cleaning and repairing, labor and teams..	\$1,730.60	
Stock and Invoices.....	50.48	
Insurance and tools.....	173.06	1,954.14
	<hr/>	<hr/>
Balance.....		\$248.80

## PRIVATE SEWERS

Balance Jan. 1, 1921.....	\$335.24	
Receipts.....	4,631.44	
Transfers.....	44.65	\$5,011.33

## Expended

Pay rolls, stock and teams.....	\$2,917.43	
Sewer stock.....	1,454.89	
Metropolitan District Sewer Commission	35.00	4,407.32
Balance.....		\$604.01

## SEWER CONSTRUCTION, 1921

STREET	LOCATION	Pipe		Manholes
		Size in.	Length ft.	
Argyle Street.....	No. 29, southerly.....	6	130	.....
Boardman Avenue.....	Brook to Damon Ave.....	8	232	1
Corey Street.....	No. 10 southerly.....	6	55	1
Lynn Fells Pkwy. (n'th'y side)	Green St., easterly.....	6	145	1
Orient Park.....	Stratford Rd., westerly....	6	180	1
*Rogers Street.....	Argyle St. to Florence Ave.	6	445	2
Russell Street.....	Trenton St., easterly.....	6	400	2
		.....	1,587	8

\*Also relaid 42 ft. 6 in.

## SEWERS BUILT TO JANUARY 1 1922

Number of feet of 6 in. pipe.....	124,379
Number of feet of 8 in. pipe.....	55,572
Number of feet of 10 in. pipe.....	17,529
Number of feet of 12 in. pipe.....	10,281
Number of feet of 15 in. pipe.....	3,839
Number of feet of 18 in. pipe.....	5,150
Number of feet of 20 in. pipe.....	2,788
Number of feet of 24 in. pipe.....	1,213
Number of feet of 18 x 20 in. brick.....	3,035
Number of feet of 20 in. brick.....	111
Number of feet of 24 in. brick.....	28
Total.....	223,925

**Note.**—Total length of sewers 223,925 feet or 42.41 miles, 2.40 miles of which are owned and controlled by the Commonwealth of Massachusetts, but by Act of Legislature Melrose is permitted to use in the same manner as local sewers.



SURFACE DRAINAGE CONSTRUCTION—1921

STREET	LOCATION	Pipe		Manholes	Catch Basins
		Size Inches	Length Feet		
Appleton Street.....	At brook.....	.....	.....	.....	.....
Boardman Avenue.....	Wall at 413 Main St., east side.....	.....	.....	.....	2
Ell Pond Brook.....	Albion Street to Sargent Street.....	.....	.....	.....	2
Franklin Street.....	Larrabee Street east.....	24	140	.....	.....
Foster Street East.....	Elm Street, easterly.....	12	347	2	4
Howard Street.....	At Mooreland Road.....	12	152	.....	2
Porter Street.....	Across private land.....	.....	.....	.....	1
Rogers Street.....	Across private land.....	18	150	.....	.....
Spears Street.....	Lower part east and west.....	20	350	.....	.....
Rogers Street.....	Franklin Street, northerly.....	{ 15	{ 388	5	10
Sargent Street.....	Laurel St. to E. Foster Street.....	{ 12	{ 684	3	.....
Sixth Street.....	At Orris Street.....	{ 18	{ 690	1	.....
Sears Avenue.....	Rogers St., northerly.....	{ 20	{ 560	.....	2
Swain's Pond Avenue.....	Perkins St., to Sherman Road.....	12	308	.....	1
Warwick Road.....	Totals.....	12	75	1	1
		12	236	15	27
			4,080		

## CITY OF MELROSE

## SURFACE DRAINAGE

## Construction

Appropriation.....	\$30,000.00	
Balance 1920.....	353.03	
Collections.....	39.71	\$30,392.74
		<hr/>

## Expended

Construction.....		27,080.70
		<hr/>
Balance.....		\$3,312.04

## MAINTENANCE

Appropriation.....		\$5,000.00
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## Expended

Transferred to other accounts.....	\$600.00	
Cleaning and repairing catch basins.....	3,387.64	
Cleaning drains.....	478.37	
Stock and invoices.....	164.36	
Insurance and tools.....	369.63	5,000.00
		<hr/>

## CLEANING BROOKS

Appropriation.....		\$2,000.00
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## Expended

Labor and teams.....	\$1,821.28	
Sewer construction stock.....	6.00	
Insurance and tools.....	172.72	2,000.00

## SUMMARY OF IMPROVED SURFACE DRAINAGE

CONSTRUCTED TO JANUARY 1, 1922

8 inch Apron pipe.....	808 lin. ft.	
10 inch Akron pipe.....	4,735 lin. ft.	
12 inch Apron pipe.....	31,724 lin. ft.	
15 inch Apron pipe.....	16,692 lin. ft.	
16 inch Apron pipe.....	284 lin. ft.	
18 inch Apron pipe.....	6,769 lin. ft.	
20 inch Akron plpe.....	6,232 lin. ft.	
20 inch iron pipe.....	120 lin. ft.	
24 inch Akron pipe.....	2,392 lin. ft..	
Brick conduit.....	659 lin. ft.	
Concrete conduit.....	9,037 lin. ft.	
Number of manholes.....	364	
Number of concrete culverts.....	7	
Number of catch basins.....	651	
Cost of system to January 1, 1921.....		\$246,283.86
Construction 1921.....		27,080.70
		<hr/>
Cost of system to January 1, 1922.....		\$273,364.56
Total length of improved surface drains	14.12 miles.	

## ENGINEERING DIVISION

## Salaries and Wages

Appropriation.....	\$6,000.00	
Transferred from other accounts.....	535.19	
	<hr/>	
	\$6,535.19	
Less transfer.....	97.11	\$6,438.08
	<hr/>	

## Expended

Salaries as per pay rolls.....	\$6,398.45	
Liability Insurance.....	23.95	6,422.40
	<hr/>	<hr/>
Balance.....		\$15.68

## Other Expenses

Appropriation.....	\$850.00	
Collections by Treasurer.....	1.69	\$851.69
	<hr/>	

## Expended

Supplies.....	\$401.29	
Automobile supplies and expenses.....	412.86	
Carfares.....	2.66	
Miscellaneous.....	34.88	851.69
	<hr/>	<hr/>

## SYNOPSIS OF WORK DONE

**Highway Division.**—Street lines and grades have been given for construction of new streets, including gutters, crossings, guard rails, etc., and record plans made of same.

**Sewer Division.**—Estimates have been rendered, lines and grades given, records kept of "Y" locations, plans, and profiles made, and schedules for assessing all sewers constructed.

**Water Division.**—Estimates have been made and lines given for water mains, constructed and relaid. For locations, lengths and size of mains, see tables under "Water Division."

**Surface Drainage.**—Surveys, computations and plans have been made, lines and grades given, and records kept of "Y" locations of all new work constructed.

**Sidewalks.**—Plans and profiles have been made. Lengths and radii of curbing computed, work measured and schedules of assessments made.

**Assessment Plans.**—New buildings have been plotted. Common and private sewers have been added and sewer assessments data recorded on plans.

**Street Numbering.**—All new houses have been located and numbered. Numbers have been furnished and put on 61 buildings.

## CLASSIFICATION OF EXPENDITURES

<b>Highways.</b> —Comprising plans, estimates, titles, profiles, lines and grades, and all other engineering work relating to the Department.....	\$732.00
<b>Continuous Walks.</b> .....	1,530.00
<b>Sewers.</b> —Comprising surveys, estimates, profiles, lines and grades, plans and assessments, and all other engineering work relating to sewers.....	898.00
<b>Surface Drainage.</b> —Comprising lines, grades, surveys and plans of all surface drainage work.....	836.00
<b>Water Works.</b> —Comprising lines, locations of mains, plotting of new mains, etc., on City water map.....	572.00
<b>Street Numbering.</b> —Location of buildings, numbering plans, and affixing street numbers on houses.....	52.00
<b>Street Signs.</b> —.....	60.40
<b>Street Lines and Grade for Abutters.</b> —Street lines and grades have been given for 64 abutters.....	438.00
<b>Assessment Plans.</b> .....	148.80
<b>Office Work.</b> —Records of locations, indexing, calculating and general draughting.....	904.40
<b>Miscellaneous.</b> .....	205.60
<b>Board of Survey, Plans and Studies.</b> .....	44.80
	<hr/>
	\$6,422.40

In conclusion I desire to express my appreciation to His Honor, the Mayor, the Board of Aldermen, and the City Officials, for courtesies extended, and the employees of this Department for their co-operation.

Respectfully submitted,

GEORGE O. W. SERVIS,

*Engr. and Supt. Public Works.*

## MELROSE, MIDDLESEX COUNTY, MASSACHUSETTS

Location, 7 miles north of Boston.

Population, April 1, 1921.....	18,670
Number of Voters.....	7,284
Greatest extent of city north and south.....	2.44 miles
Greatest extent of city east and west.....	2.95 miles
Valuation of real estate.....	\$19,871,300
Valuation of personal.....	2,606,050
Tax rate per thousand.....	30.80
Area of City.....	3,115.00 acres.
Land.....	3,079.50 acres
Water.....	35.50 acres
Length of Public Streets.....	49.09 miles
Length of Private Streets.....	16.03 miles
Total length of water mains.....	56.44 miles
Total length of sewers.....	42.41 miles
Range of pressure on mains from 100 to 23 lbs. . .	
Number of 250 candlepower incandescent lights.....	48
Number of 60 candlepower incandescent lights.....	799
Number of luminous arc, 46 all night 24 to midnight.....	70

## Areas of Parks:

Lincoln School Playground.....	1.60 acres
Horace Mann Playground.....	.60 acres
Messenger's Meadow Playground.....	2.89 acres
Melrose Common.....	4.4 acres
Sewall Woods Park.....	9.0 acres
Ell Pond Park.....	30.41 acres
Pine Banks Park.....	81.8 acres
Middlesex Fells.....	170.0 acres
Area of Wyoming Cemetery.....	43.5 acres
Bowden Park.....	.62 acres
Elevation Main Street at City Hall.....	61 feet above mean low tide
Elevation Franklin Square.....	85 feet above mean low tide



# Report of the Cemetery Committee

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Melrose, Mass., Jan. 31, 1922

To the *Honorable, the Mayor and Board of Aldermen,*  
City of Melrose.

*Gentlemen:*—In accordance with the provisions of Chapter 33, of the Revised Ordinances, the Cemetery Committee beg leave to submit their annual report for the year 1921.

## APPROPRIATIONS

Annual Budget, maintenance, etc.....	\$12,820.00	
Care of Soldiers' Graves.....	180.00	
Interment Joseph Lee.....	10.00	
Appropriation, Order No. 13489.....	1,800.00	\$14,810.00
	<hr/>	
Expenditures.....		14,807.57
		<hr/>
Balance.....		\$2.43

Respectfully submitted,

WILLIS C. GOSS, *Chairman*  
L. H. KUNHARDT  
P. H. ACKERMAN

*Cemetery Committee*

## Report of Planning Board

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The Planning Board submits the following report for the year ending December 31, 1921.

We have recommended that a signboard be placed at the corner of Upham and Main Streets, indicating the directions:

*First.*—To Newburyport Turnpike, Saugus and Lynn.

*Second.*—To Wakefield and Reading

*Third.*—To Malden and Boston.

A sign exists at this corner indicating the direction to Lynn and Saugus; but its quality is not such as should satisfy our civic pride. We suggest that it be made somewhat larger, black faced, with gilt letters. Such a sign might be placed substantially at the location of the present sign, or on suitable post to be erected on the site of the old watering trough opposite City Hall, and this post might be utilized for traffic regulation by requiring vehicles to pass to its right.

A similar signboard at the point where Lynn Fells Parkway crosses Main Street, indicating the boulevard route to Middlesex Fells, Spot Pond and Boston, would not only accommodate visitors passing through our city, but introduce them to some of the natural beauties of its environment.

We have called to your attention, and that of the Metropolitan Park Commissioners, to the lack of warning signs at the dangerous point where Lynn Fells Parkway passes under the railroad tracks and then immediately across Vinton Street. The Metropolitan Park Commissioners have not seen fit to place such signs on the parkway; but the city has placed plain white board signs with red letters, "Dangerous Crossing", at each of the two corners of Vinton Street with the boulevard. Similar signs have been placed at divers other points in the city, and seem to serve a useful purpose; but these signboards are of the least expensive character, and are not pleasing to the eye. We suggest that they be of a better quality, possibly with a moulding border. Again, the present signs do not sufficiently gain or arrest the attention of the motorist, whose eyes are often so directed as not to notice them; and, with a view to lessening accidents, we urge that, wherever the surface of streets will permit, such danger points be indicated by standard white line markings, painted on the surface of the street. What we have said relative to the crossings at Vinton Street and Lynn Fells Parkway also applies to the crossings at Lebanon and Foster Streets, Lebanon and Upham Streets, Main and Emerson Streets, and Main and Lynde Streets.

Realizing that billboards have become practical nuisances, disfiguring the landscapes of our Commonwealth, and that they will have become established more firmly than ever when once they have been licensed

under the new law which was designed to enable communities to restrain them if they so desired, we recommend that our city take advantage of the powers given by Chapter 545 of the Acts of 1920, and at once amend Section 94 of the Building Ordinances in accordance with a proposed amendment, a copy of which we append as "EXHIBIT A", or by some similar and appropriate ordinance. In framing this amendment we have, however, considered not only the powers specifically given under the fiftieth amendment to our State constitution, but also the previously existing police powers. Under the police powers we have had especially in mind minimizing danger from storm and fire and preventing the use of spaces back of signs as public toilets. We have collected certain law on this general subject, and present it in "EXHIBIT B", hereto appended. The billboard may be further restricted under a zoning ordinance.

A zoning ordinance was already under our consideration when there was referred to us by the Board of Aldermen a communication from His Honor the Mayor relating to that subject, with such Board's request that we report not later than March 1, 1922. We believe that this matter is important for immediate determination by our city, and we expect to be prepared by March 1, to recommend the classes of building sections into which the city should be divided, with the restrictions applicable to each. But to recommend the exact boundaries of each section, for the entire city, is a task requiring such careful consideration that we may not be able to make such recommendation until a later date. Indeed, we feel that this is a task requiring the services of a zoning expert. We are informed that the city of Newton has obtained such services, of a satisfactory character, at a charge of twenty-five dollars a day.

The erection of "shacks" in certain sections of our city, especially in the vicinity of Wyoming Cemetery, and the prospect of their continuance and of further similar erections, seems to justify the city in employing all legal means to prevent the resulting disfigurement and the consequent depreciation of land values. Even a proper regard for the public health would seem to require their restriction.

An ordinance under the zoning law,—Sections 25 to 30 of Chapter 40 of the General Laws—will enable us to restrict such structures to certain parts of the city; and provision for this will be made in such zoning ordinance as we shall later recommend. We shall certainly recommend that disfiguring structures be excluded from the vicinity of Wyoming Cemetery. But under other now existing law we are not at present prepared to go further than to urge the strict enforcement in this respect of our present excellent building ordinance.

FRANK H. NOYES, *Chairman*

A. S. NOYES

ROBERT L. BRIGGS

EVA G. OSGOOD

GEORGE C. GLOVER

EDWIN E. PRIOR

ALBERT A. HERSEY

AGNES L. DODGE, *Secretary*

## Report of City Treasurer

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To the *Honorable, the Mayor and Board of Aldermen,*  
Melrose, Mass.

*Gentlemen:*—I submit herewith my report of the operations of the City Treasury for the year 1921.

Yours respectfully,

WILLIAM R. LAVENDER

*City Treasurer*

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### CASH STATEMENT FOR 1921

Balance in bank and office Jan. 1, 1921.....	\$76,560.02
Receipts in 1921.....	1,709,943.82
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Payments in 1921.....	\$1,786,503.84
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Balance in banks and office Dec. 31, 1921.....	\$102,000.82

For details see Auditor's Report.

WILLIAM R. LAVENDER,

*City Treasurer*

Statement Showing the Different Sources of the City Revenue and  
the Amount Received from Each, as Required by  
Chapter 5, Section 3, City Ordinances

Real Estate City Possessions.....	\$29.21
Tax Taking.....	3,291.39
Taxes 1918.....	809.44
Taxes 1919.....	46,769.97
Taxes 1920.....	156,341.06
Taxes 1921.....	437,946.07
Bank and Corporation Tax.....	22,831.01
Street Railway Tax.....	91.83
Income Tax.....	65,801.07
Licenses, Druggist Liquor.....	3.00
"    All Other.....	643.00
Permits, Marriage.....	197.00
"    All Other.....	8.50
Fines and Forfeits, Court Fines.....	400.36
Grants and Gifts, Dog Tax.....	1,152.58
"    "    Individual.....	481.44
Street Sprinkling Assessments.....	18,563.89
Moth Extermination Assessments.....	298.63
Sewer Assessments.....	2,582.06
Sidewalk, Continuous.....	6,949.34
Betterments, Forest Street.....	7.77
"    Morgan Street.....	59.03
"    Goss Avenue.....	31.02
"    Warwick Road.....	64.64
"    Nowell Road.....	24.03
"    East Wyoming Avenue.....	3.37
"    Spear Street.....	296.72
"    Corey Street.....	226.75
"    Hancock, Church and Mountain Ave.....	72.50
"    East Emerson Street.....	9.11
"    Garfield Road.....	28.29
"    First Street.....	58.00
"    Harold Street.....	38.99
"    Lynde Avenue.....	73.85
"    Stevens Road.....	117.28
"    Hopkins Street.....	92.39
"    Argyle Street.....	31.55
"    Natalie Avenue.....	117.31
"    Folsom Avenue.....	133.51
"    Lincoln Street.....	291.33
"    Garden Street.....	97.92
<i>Amount forward</i> .....	<u>\$767,066.21</u>



<i>Amount up</i> .....	\$767,066.21
Betterments, Geneva Road.....	106.34
"    Sears Avenue.....	337.55
Collector's Receipts.....	1,042.60
City Clerk's Receipts.....	409.40
Public Works, Other Expenses.....	25.66
Engineer, Other Expenses.....	1.60
City Hall, Other Expenses.....	1.92
City Hall, Receipts.....	1,420.00
Auditorium, Receipts.....	5,727.56
Police, Receipts.....	35.00
Fire, Receipts.....	152.50
Sealer Weights and Measures, Receipts.....	216.62
Forestry, Care of Trees.....	86.21
Forestry, Planting Trees.....	120.00
Health Receipts.....	461.64
Sewer Maintenance.....	203.93
Sewer Construction.....	132.72
Sewer, Private.....	6,123.72
Surface Drainage, Receipts.....	39.71
Killing Dogs.....	16.00
Street Sprinkling.....	185.00
Street Lighting.....	270.00
Highways, Repairs.....	1,239.53
Sidewalks, Individual.....	1,562.53
Charity, Relief by Other Cities and Towns.....	100.58
Charity, Receipts.....	4,001.64
Military Aid.....	20.00
Soldiers' Relief.....	104.50
Commonwealth of Massachusetts.....	3,075.27
Schools, Teachers' Salaries.....	10.00
"    Text Books and Supplies.....	30.92
"    Receipts.....	6,377.58
Libraries, Salaries and Wages.....	66.90
Parks, Receipts.....	102.00
Memorial Day.....	5.00
4th of July Advertising 1919.....	5.00
Insurance.....	1.46
Rental Tremont Street Property.....	176.00
Water, Income Fund.....	54,646.83
"    Maintenance.....	45.55
"    Inside Service.....	4,060.67
City Scales.....	33.00
Cemetery Receipts.....	12,866.03
<i>Amount forward</i> .....	<u>\$872,712.88</u>



REPORT OF CITY TREASURER

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<i>Amount forward</i> .....	887,712.88
Interest, Receipts.....	16,926.24
Temporary Loans.....	676,500.00
Permanent Loans.....	62,865.00
Surface Drainage Bonds.....	30,000.00
Sewer Bonds.....	10,000.00
Water Bonds.....	20,000.00
Water Loan Premium Fund.....	108.50
Sewer " " ".....	19.00
Surface Drainage Loan Premium Fund.....	108.50
Permanent Loan Premium Fund.....	188.50
Pensions.....	10.08
Cemetery Trust Fund.....	6,710.00
E. Toothaker Fund.....	118.84
Pay Roll Tailings.....	39.41
Ambulance Fund.....	43.00
Guaranty Deposit.....	150.00
Cemetery Trust Fund Investment Account.....	10,950.00
L. S. Gould School Medal Fund.....	42.50
A. C. Marie Currier Fund.....	2,000.00
Sarah E. Fitch Fund.....	30.00
Norman F. Hesseltine Fund.....	4.25
Community Civics Fund.....	2.12
J. C. F. Slayton Organ Fund.....	400.00
Board of Survey.....	15.00
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	\$1,709,943.82

TEMPORARY LOAN NOTES OUTSTANDING DEC. 31, 1921  
PAYABLE FROM TAXES 1921

Date	Due	No.	Amount	Total
July 14, 1921	March 15, 1922	573	\$5,000.00	
"	"	574	10,000.00	
"	"	575	10,000.00	
"	"	576	10,000.00	
"	"	577	10,000.00	
"	"	578	5,000.00	\$50,000.00
Sept. 19, 1921	Feb. 20, 1922	579	\$10,000.00	
"	"	580	10,000.00	
"	"	581	5,000.00	
"	April 20, 1922	582	10,000.00	
"	"	583	10,000.00	
"	"	584	5,000.00	50,000.00
Nov. 18, 1921	May 16, 1922	587	10,000.00	
"	"	588	10,000.00	
"	"	589	10,000.00	
"	"	590	10,000.00	
"	"	591	5,000.00	
"	"	592	5,000.00	
"	June 15, 1922	593	10,000.00	
"	"	594	10,000.00	
"	"	595	10,000.00	
"	"	596	10,000.00	
"	"	597	5,000.00	
"	"	598	5,000.00	100,000.00
Oct. 15, 1921	Oct. 15, 1922	586	500.00	
Dec. 5, 1921	July 18, 1922	599	\$10,000.00	
"	"	600	10,000.00	
"	"	601	10,000.00	
"	"	602	10,000.00	
"	"	603	5,000.00	
"	"	604	5,000.00	
"	Aug. 18, 1922	605	10,000.00	
"	"	606	10,000.00	
"	"	607	5,000.00	
				75,000.00
Oct. 15, 1921	Oct. 15, 1922	585	1,000.00	1,000.00
Dec. 23, 1921	Sept. 15, 1922	608	10,000.00	
"	"	609	10,000.00	
"	"	610	5,000.00	
"	Oct. 27, 1922	611	10,000.00	
"	"	612	10,000.00	
"	"	613	10,000.00	
"	"	614	10,000.00	
"	"	615	5,000.00	
"	"	616	5,000.00	75,000.00
			Total	\$351,500.00

PERMANENT LOAN NOTES—OUTSTANDING  
Dec. 31, 1921

Order Number	Purpose	Date	Due	No.	Rate	Amount
7762	Main St. macadam	July 1, 1913	July 1, 1922	9	4½%	\$2,500.00
7762	" "	" "	July 1, 1923	10	4½%	2,500.00
6529A	Church St.	Dec. 1, 1913	Dec. 1, 1922	20	4%	550.00
6529A	" "	" "	Dec. 1, 1923	21	4%	550.00
8193	Funding Cemetery Trust Funds	Nov. 25, 1914	Nov. 25, 1922	8	4%	2,000.00
8193	" "	" "	Nov. 25, 1923	9	4%	2,000.00
8193	" "	" "	Nov. 25, 1924	10	4%	2,000.00
8193	" "	" "	Nov. 25, 1925	11	4%	2,000.00
8193	" "	" "	Nov. 25, 1926	12	4%	2,000.00
8193	" "	" "	Nov. 25, 1927	13	4%	2,000.00
8193	" "	" "	Nov. 25, 1928	14	4%	2,000.00
8193	" "	" "	Nov. 25, 1929	15	4%	2,000.00
9877	Ice House and Spot Pond Brook	Jan. 1, 1917	Jan. 1, 1922	5	4%	500.00
9877	" "	" "	Jan. 1, 1923	6	4%	500.00
9877	" "	" "	Jan. 1, 1924	7	4%	500.00
9877	" "	" "	Jan. 1, 1925	8	4%	500.00
9877	" "	" "	Jan. 1, 1926	9	4%	500.00
9877	" "	" "	Jan. 1, 1927	10	4%	500.00
9877	" "	" "	Jan. 1, 1928	11	4%	500.00
9877	" "	" "	Jan. 1, 1929	12	4%	500.00
9877	" "	" "	Jan. 1, 1930	13	4%	500.00
9319	Pleasant St.	Jan. 25, 1917	Jan. 25, 1922		4%	1,000.00
10072	Crosswalks and Gutters	April 18, 1917	April 18, 1922		4%	1,000.00
10075	Continuous Sidewalk	April 1, 1917	April 1, 1922	19	4%	1,000.00
10075	" "	" "	April 1, 1922	20	4%	1,000.00
10229	Sidewalk . .	Sept. 1, 1917	Sept. 1, 1922	37	4%	1,000.00
10229	" "	" "	Sept. 1, 1922	38	4%	1,000.00
10363	" "	Sept. 1, 1917	Sept. 1, 1922	39	4%	1,000.00
10363	" "	" "	Sept. 1, 1922	40	4%	1,000.00
10494C	Warwick Road	May 20, 1918	May 20, 1922		4%	500.00
10494C	" "	" "	May 20, 1923		4%	500.00
10494C	" "	" "	May 20, 1924		4%	500.00
10119B	Lincoln St.	Nov. 21, 1918	Nov. 21, 1922		4%	1,000.00
10927	Mem. Bldg., Repairs	Dec. 12, 1918	Dec. 12, 1922		4¾%	500.00
9719	Myrtle St. macadam	Feb. 27, 1919	Feb. 27, 1922		4%	750.00
11117	Sidewalk	May 1, 1919	May 1, 1922	52	4½%	1,000.00
11117	" "	" "	May 1, 1922	53	4½%	1,000.00
11117	" "	" "	May 1, 1922	54	4½%	1,000.00
11117	" "	" "	May 1, 1923	55	4½%	1,000.00
11117	" "	" "	May 1, 1923	56	4½%	1,000.00
11117	" "	" "	May 1, 1923	57	4½%	1,000.00
11117	" "	" "	May 1, 1924	58	4½%	1,000.00
11117	" "	" "	May 1, 1924	59	4½%	1,000.00
11117	" "	" "	May 1, 1924	60	4½%	1,000.00
<i>Amount up</i>						<b>\$47,350.00</b>

## PERMANENT LOAN NOTES—OUTSTANDING—Continued

Order Number	Purpose	Date	Due	No.	Rate	Amount
<i>Amount forward</i>						\$47,350.00
11104	Police Patrol and Ambulance	June 20, 1919	June 20, 1922	70	4%	1,000.00
11112	Pumping Engine	May 1, 1919	May 1, 1922	65	4½%	2,500.00
11112	" "	"	May 1, 1923	66	4½%	2,500.00
11112	" "	"	May 1, 1924	67	4½%	2,000.00
11304	Gutters and Cross-walks	July 7, 1919	July 7, 1922	73	4%	1,000.00
11304	"	"	July 7, 1923	74	4%	1,000.00
11304	"	"	July 7, 1924	75	4%	1,000.00
11328	Fuller Property	Aug. 12, 1919	Aug. 12, 1922	79	4%	500.00
11328	" "	"	Aug. 12, 1923	80	4%	500.00
10103	Linwood Ave. mac.	Sept. 1, 1919	Sept. 1, 1922	83	4¼%	1,000.00
10103	" "	"	Sept. 1, 1923	84	4¼%	1,000.00
10103	" "	"	Sept. 1, 1924	85	4¼%	1,000.00
11307	Sidewalk	Sept. 1, 1919	Sept. 1, 1922	90	4½%	1,000.00
11307	"	"	Sept. 1, 1922	91	4½%	1,000.00
11307	"	"	Sept. 1, 1923	92	4½%	1,000.00
11307	"	"	Sept. 1, 1923	93	4½%	1,000.00
11307	"	"	Sept. 1, 1924	94	4½%	1,000.00
11307	"	"	Sept. 1, 1924	95	4½%	1,000.00
11342	Lincoln Playground	Sept. 18, 1919	Sept. 18, 1922	98	4%	500.00
11342	" "	"	Sept. 18, 1923	99	4%	500.00
11342	" "	"	Sept. 18, 1924	100	4%	500.00
9353	Main St. pavement	May 1, 1920	May 1, 1922	104	5½%	5,000.00
9353	" "	"	May 1, 1923	105	5½%	5,000.00
9353	" "	"	May 1, 1924	106	5½%	5,000.00
9353	" "	"	May 1, 1925	107	5½%	5,000.00
9353	" "	"	May 1, 1926	108	5½%	5,000.00
9353	" "	"	May 1, 1927	109	5½%	5,000.00
9353	" "	"	May 1, 1928	110	5½%	5,000.00
9353	" "	"	May 1, 1929	111	5½%	5,000.00
9353	" "	"	May 1, 1930	112	5¼%	5,000.00
11803	Main St. construction	June 1, 1920	June 1, 1922	124	4%	1,000.00
11803	" "	"	June 1, 1923	125	4%	1,000.00
11803	" "	"	June 1, 1924	126	4%	1,000.00
11803	" "	"	June 1, 1925	127	4%	1,000.00
11409	Sidewalk	June 1, 1920	June 1, 1922	115	5½%	1,000.00
11409	"	"	June 1, 1922	116	5½%	1,000.00
11409	"	"	June 1, 1923	117	5½%	1,000.00
11409	"	"	June 1, 1923	118	5½%	1,000.00
11409	"	"	June 1, 1924	119	5½%	1,000.00
11409	"	"	June 1, 1924	120	5½%	1,000.00
11409	"	"	June 1, 1925	121	5½%	1,000.00
11409	"	"	June 1, 1925	122	5½%	1,000.00
11269B	Sears Avenue	Sept. 15, 1920	Sept. 15, 1922	124	5½%	1,000.00
11269B	" "	"	Sept. 15, 1923	125	5½%	1,000.00
11269B	" "	"	Sept. 15, 1924	126	5½%	1,000.00
11269B	" "	"	Sept. 15, 1925	127	5½%	1,000.00
11269B	" "	"	Sept. 15, 1926	128	5½%	1,000.00
11269B	" "	"	Sept. 15, 1927	129	5½%	1,000.00
<i>Amount up</i>						\$132,850.00

REPORT OF CITY TREASURER

PERMANENT LOAN NOTES—OUTSTANDING—Continued

Order Number	Purpose	Date	Due	No.	Rate	Amount
<i>Amount forward</i>						\$132,850.00
11269B	" "	"	Sept. 15, 1928	130	5½%	1,000.00
11269B	" "	"	Sept. 15, 1929	131	5½%	1,000.00
11269B	" "	"	Sept. 15, 1930	132	5½%	1,000.00
11787	Orient Place	Oct. 15, 1920	Oct. 15, 1922	134	4¾%	500.00
11748	Benson Property	Jan. 12, 1921	Jan. 12, 1922	135	6½%	1,000.00
11748	" "	"	Jan. 12, 1923	136	6½%	1,000.00
11748	" "	"	Jan. 12, 1924	137	6½%	1,000.00
11748	" "	"	Jan. 12, 1925	138	6½%	1,000.00
11748	" "	"	Jan. 12, 1926	139	6½%	1,000.00
11748	" "	"	Jan. 12, 1927	140	6½%	1,000.00
11748	" "	"	Jan. 12, 1928	141	6½%	1,000.00
11748	" "	"	Jan. 12, 1929	142	6½%	1,500.00
11357B	Orient Pk. macadam	Feb. 24, 1921	Feb. 24, 1922	135	4½%	1,540.00
12021	Appleton St. mac.	Feb. 24, 1921	Feb. 24, 1922	136	4½%	1,900.00
12021	" "	"	Feb. 24, 1923	137	4½%	1,000.00
12021	" "	"	Feb. 24, 1924	138	4½%	1,000.00
11173B	Cor. Main and Porter Streets	Feb. 24, 1921	Feb. 24, 1922	139	4½%	325.00
11502	E. Foster St.	Mar. 6, 1921	Mar. 6, 1922	140	4½%	1,600.00
11502	" "	"	Mar. 6, 1923	141	4½%	1,000.00
11502	" "	"	Mar. 6, 1924	142	4½%	1,000.00
11502	" "	"	Mar. 6, 1925	143	4½%	1,000.00
11502	" "	"	Mar. 6, 1926	144	4½%	1,000.00
11502	" "	"	Mar. 6, 1927	145	4½%	1,000.00
11502	" "	"	Mar. 6, 1928	146	4½%	1,000.00
11502	" "	"	Mar. 6, 1929	147	4½%	1,000.00
11811B	Waverly Place	Aug. 1, 1921	Aug. 1, 1922	148	5½%	2,000.00
11811B	" "	"	Aug. 1, 1923	149	5½%	1,000.00
11811B	" "	"	Aug. 1, 1924	150	5½%	1,000.00
11811B	" "	"	Aug. 1, 1925	151	5½%	1,000.00
11811B	" "	"	Aug. 1, 1926	152	5½%	1,000.00
11811B	" "	"	Aug. 1, 1927	153	5½%	1,000.00
11811B	" "	"	Aug. 1, 1928	154	5½%	1,000.00
11811B	" "	"	Aug. 1, 1929	155	5½%	1,000.00
11811B	" "	"	Aug. 1, 1930	156	5½%	1,000.00
11811B	" "	"	Aug. 1, 1931	157	5½%	1,000.00
11000F	Rogers Street	Aug. 1, 1921	Aug. 1, 1922	158	5½%	2,000.00
11000F	" "	"	Aug. 1, 1923	159	5½%	2,000.00
11000F	" "	"	Aug. 1, 1924	160	5½%	2,000.00
11000F	" "	"	Aug. 1, 1925	161	5½%	2,000.00
11000F	" "	"	Aug. 1, 1926	162	5½%	2,000.00
11000F	" "	"	Aug. 1, 1927	163	5½%	2,000.00
9659B	Warwick Road	Sept. 1, 1921	Sept. 1, 1922	164	5¼%	2,000.00
9659B	" "	"	Sept. 1, 1923	165	5¼%	2,000.00
9659B	" "	"	Sept. 1, 1924	166	5¼%	2,000.00
9659B	" "	"	Sept. 1, 1925	167	5¼%	2,000.00
9659B	" "	"	Sept. 1, 1926	168	5¼%	2,000.00
9659B	" "	"	Sept. 1, 1927	169	5¼%	2,000.00
9659B	" "	"	Sept. 1, 1928	170	5¼%	2,000.00
9659B	" "	"	Sept. 1, 1929	171	5¼%	2,000.00
9659B	" "	"	Sept. 1, 1930	172	5¼%	2,000.00
<b>Total</b>						<b>\$199,215.00</b>



## CITY OF MELROSE

## BONDS OUTSTANDING DEC. 31, 1921

## WATER BONDS

Date	No.	Due	Rate	Amount
July 1, 1895	400 to 437	July 1, 1925	4%	\$38,000.00
Aug. 1, 1907	473 to 482	Aug. 1, 1922	4%	10,000.00
Feb. 1, 1908	483 to 487	Feb. 1, 1923	4%	5,000.00
June 1, 1909	512 to 532	June 1, 1922 to 1931, serially, \$2,000 each year, \$1,000 in 1922	3½%	21,000.00
July 1, 1912	562	July 1, 1922	4%	1,000.00
Dec. 1, 1913	571 to 572	serially \$500 each year, Dec. 1., 1922 to 1923	4%	1,000.00
Sept. 1, 1913	581 to 582	serially, \$1,000 each year, Sept. 1, 1922 to 1923	4%	2,000.00
May 1, 1914	590 to 592	serially, \$1,000 each year, May 1, 1922 to 1924	4%	3,000.00
June 1, 1916	608 to 612	serially \$1,000 each year, June 1, 1922 to 1926	4%	5,000.00
Apr. 1, 1917	622	Apr. 1, 1922	4%	2,000.00
June 1, 1918	7 to 10	serially \$2,000 each year, June 1, 1922 to 1923	4½%	4,000.00
Aug. 1, 1919	636 to 637	serially \$1,000 each year, Aug. 1, 1922 to 1923	4½%	2,000.00
Dec. 1, 1918	644 to 645	serially \$1,000 each year, Dec. 1, 1922 to 1923	4½%	\$2,000.00
May 1, 1919	648 to 655	serially \$1,000 each year, May 1, 1922 to 1929	4½%	8,000.00
Apr. 1, 1921	656 to 665	serially \$1,000 each year, Apr. 1, 1922 to 1931	5½%	10,000.00
Dec. 1, 1921	666 to 675	serially \$1,000 each year, Dec. 1, 1922 to 1931	4½%	10,000.00
			Total	\$124,000.00



## SEWER BONDS

Date	No.	Due	Rate	Amount
June 1, 1894	1 to 100	June 1, 1924	4%	\$100,000.00
June 1, 1895	101 to 200	June 1, 1925	4%	100,000.00
July 1, 1896	201 to 250	July 1, 1926	4%	50,000.00
July 1, 1905	351 to 360	July 1, 1935	4%	10,000.00
June 1, 1907	361 to 370	June 1, 1937	4%	10,000.00
July 1, 1907	371 to 380	July 1, 1937	4%	10,000.00
June 1, 1908	381 to 390	June 1, 1938	4%	10,000.00
June 1, 1909	391 to 400	June 1, 1939	3½%	10,000.00
Apr. 1, 1910	401 to 410	Apr. 1, 1940	4%	10,000.00
May 1, 1911	411 to 415	May 1, 1941	4%	5,000.00
Nov. 1, 1911	416 to 420	Nov. 1, 1941	4%	5,000.00
July 1, 1912	421 to 430	July 1, 1942	4%	10,000.00
Sept. 1, 1913	439 to 450	serially \$500 each year, Sept. 1, 1922 to 1933	4%	6,000.00
May 1, 1914	458 to 470	serially \$500 each year, May 1, 1922 to 1934	4%	6,500.00
May 1, 1915	477 to 490	serially \$500 each year, May 1, 1922 to 1935	4%	7,000.00
Aug. 1, 1916	496 to 500	serially \$1,000 each year, Aug. 1, 1922 to 1926	4%	5,000.00
Sept. 1, 1917	505 to 510	serially \$1,000 each year, Sept. 1, 1922 to 1927	4%	6,000.00
Dec. 1, 1918	514 to 515	serially, \$1,000 each year Dec. 1, 1922 to 1923	4½%	2,000.00
May 1, 1919	518 to 525	serially \$1,000 each year, May 1, 1922 to 1929	4½%	8,000.00
June 1, 1921	526 to 535	serially \$1,000 each year, June 1, 1922 to 1931	5¼%	10,000.00
				<b>\$380,500.00</b>

## SCHOOL BONDS

Date	No.	Due	Rate	Amount
Mar. 1, 1909	201 to 278	Mar. 1, 1929	3¼%	\$78,000.00

## CITY OF MELROSE

## SURFACE DRAINAGE

Date	No.	Due	Rate	Amount
\$100,000.00				
All dated July 15, 1902 but issued				
Aug. 1, 1903	1 to 20	July 15, 1932	4%	\$20,000.00
Dec. 31, 1903	20 to 40	July 15, 1932	4%	20,000.00
Nov. 5, 1904	41 to 60	July 15, 1932	4%	20,000.00
Jan. 28, 1907	61 to 80	July 15, 1932	4%	20,000.00
June 20, 1907	81 to 100	July 15, 1932	4%	20,000.00
Sept. 1, 1913	126 to 135	Sept. 1, 1923	4%	10,000.00
May 1, 1914	143 to 155	serially \$500 each year, May 1, 1922 to 1934	4%	6,500.00
Apr. 1, 1915	162 to 175	serially \$500 each year, April 1, 1922 to 1935	4%	7,000.00
Nov. 1, 1915	182 to 185	serially \$500 each year, Nov. 1, 1922 to 1931	4%	2,000.00
June 1, 1916	191 to 200	serially \$1,000 each year, June 1, 1922 to 1931	4%	10,000.00
Jan. 1, 1917	5 to 14	serially \$500 each year, Jan. 1, 1922 to 1931	4%	5,000.00
Apr. 1, 1917	219 to 224	serially \$500 each year, Apr. 1, 1922 to 1927	4%	3,000.00
Sept. 1, 1917	229 to 234	serially \$500 each year, Sept. 1, 1922 to 1927	4%	3,000.00
Aug. 1, 1918	238 to 244	serially \$500 each year, Aug. 1, 1922 to 1928	4%	3,500.00
Dec. 1, 1918	249 to 250	serially \$500 each year, Dec. 1, 1922 to 1923	4%	1,000.00
May 1, 1919	253 to 260	serially \$500 each year, May 1, 1922 to 1929	4½%	4,000.00
May 1, 1919	263 to 270	serially \$1,000 each year, May 1, 1922 to 1929	4½%	8,000.00
Aug. 1, 1920	272 to 280	serially, \$1,000 each year, Aug. 1, 1922 to 1930	4%	9,000.00
Dec. 1, 1920	282 to 290	serially \$1,000 each year, Dec. 1, 1922 to 1930	5½%	9,000.00
Sept. 1, 1921	291 to 300	serially \$1,000 each year, Sept. 1, 1922 to 1931	5¼%	10,000.00
Dec. 1, 1921	301 to 310	serially \$1,000 each year, Dec. 1, 1922 to 1931	4½%	10,000.00
				\$201,000.00

## AUDITORIUM BONDS

Date	No.	Due	Rate	Amount
July 1, 1911	26 to 45	serially \$2,000 each year, July 1, 1922 to 1931	4%	\$20,000.00
				\$20,000.00

# Report of Sinking Fund Commission

Edw. J. Kitching, Franklin P. Shumway, Everett L. Fuller, *Commissioners*

## SEWER LOAN SINKING FUND

Balance, Cash in Bank, Jan. 1, 1921..... \$692.29

### Receipts

Interest:

Coupons.....	\$10,400.65	
Registered.....	740.00	
On Bank Deposits.....	14.94	
Accrued on Bonds sold.....	1.98	
City of Melrose, Sewer Assessments collected.....	2,467.55	
Bonds sold.....	1,500.00	15,125.12
		<hr/>
		\$15,817.41

### Payments

Bonds bought.....	15,453.40	
Interest accrued on Bonds bought.....	178.93	
Expenses:		
Melrose Trust Co., part rent safe de- posit box.....	12.00	
George E. Damon Co., Account Book...	4.00	15,648.33
		<hr/>
Balance, on deposit Melrose Trust Co.....		\$169.08

Examined and found correct as of January 1st.

WILLIAM T. WOLLEY, *Auditor*

## LIST OF SECURITIES OWNED BY SEWER LOAN SINKING FUND

December 31, 1921

14 Melrose Sewer Bonds, 4%, June 1, 1924, 1-3, 10, 76-77, 81-85, 88, 90, 97.....	\$14,000.00
52 Melrose Sewer Bonds, 4%, June 1, 1925, 101-145, 154-160.....	52,000.00
7 Melrose Sewer Bonds, 4%, July 1, 1926, 208, 244-246, 242, 248-249.....	7,000.00
1 Melrose Sewer Bond, 4%, July 1, 1926, 220.....	1,000.00
10 Melrose Sewer Bonds, 4%, June 1, 1935, 351-360.....	10,000.00
10 Melrose Sewer Bonds, 4%, June 1, 1937, 361-370.....	10,000.00
10 Melrose Sewer Bonds, 4%, July 1, 1937, 371-380.....	10,000.00
61 Melrose Surface Drainage Bonds, 4%, July 15, 1932, 4-60, 76-79.....	61,000.00
6 Wakefield Mass. Bonds, 3½%, Nov. 1, 1925, 90-95....	6,000.00
1 Wakefield Mass. Bond, 3½%, Nov. 1, 1926, 96.....	1,000.00
10 Town of Clinton Bonds, 3½%, July 1, 1930, 132-141..	10,000.00
1 Los Angeles, Cal., Bond, 4½%, June 1, 1932, 1518.....	1,000.00
1 Los Angeles, Cal., Bond, 4½%, June 1, 1942, 2511.....	1,000.00
3 Chicago, Burl. & Quincy R. R. Bonds, 3½%, July 1, 1949, 7895-97.....	3,000.00
8 Boston & Maine R. R. Bonds, 4½%, April 1, 1929, 5166-5169, 5171-5174.....	8,000.00
15 Fitchburg R. R. Bonds, 4½%, May 1, 1928, 2367-2373, 3468-3489, 3341-3345, 3353.....	15,000.00
3 Conn. River R. R. Bonds, 3½%, Jan. 1, 1923, 841-843	3,000.00
3 Boston & Albany R. R. Bond, 4%, May 1, 1933, 2492-2494.....	3,000.00
1 Boston Elevated R. R. Bond, 4%, May 1, 1935, 21.....	500.00
2 Boston Elevated R. R. Bonds, 4½%, Oct. 1, 1937, 100, 101, Registered.....	2,000.00
1 Boston Elevated R. R. Bond, 4½%, Nov. 1, 1941, 39, Registered.....	5,000.00
1 Boston Elevated R. R. Bond, 4½%, Nov. 1, 1941, 35, Registered.....	1,000.00
2d Convert. Liberty Bond, 4¼%, Nov. 15, 1942, Reg.....	10,000.00
3d Liberty Bond, 4¼%, Sept. 15, 1928, Registered.....	32,600.00
4th Liberty Bond, 4¼%, Oct. 15, 1938, Registered.....	10,000.00
5 Victory Bonds, 4¾%, May 20, 1923, 129370-129373, 1000704.....	5,000.00
Cash on Deposit Melrose Trust Co.....	169.08

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 \$282,269.08

## SURFACE DRAINAGE LOAN SINKING FUND

Balance, Cash in Bank Jan. 1, 1921..... \$454.85

## Receipts

## Interest:

Coupons.....	\$2,174.94	
Registered.....	280.02	
On deposits.....	3.64	
Bonds sold.....	500.00	
	<hr/>	
	\$2,958.60	2,958.60
City of Melrose Appropriation for 1921.....		2,502.71
		<hr/>
		\$5,916.16

## Payments

Bonds bought.....	\$5,702.00	
Interest accrued on Bonds bought.....	67.05	
Expenses:		
Melrose Trust Co., part rent for Safe		
Deposit Bos.....	\$3.00	
Geo. E. Damon Co., Account Book...	1.50	4.50
	<hr/>	
	\$5,773.55	5,773.55
		<hr/>
Balance, on deposit Melrose Trust Company...		\$142.61

LIST OF SECURITIES OWNED BY SURFACE DRAINAGE LOAN  
SINKING FUND

December 31, 1921

39 Melrose Surface Drainage Bonds, 4%, Jan. 15, 1932, 1-3, 61-75, 80-100.....	\$39,000.00
1 Wakefield Bond, 3½%, Nov. 1, 1926, 97.....	1,000.00
2 Fitchburg R. R. Bonds, 4½%, Mar. 1, 1928, 2394, 3854..	2,000.00
1 Boston & Albany R. R. Bond, 4%, May 1, 1933, 2499....	1,000.00
1 Baltimore & Ohio R. R. Bond, 3½%, July 1, 1925, B44, Registered.....	500.00
3 Boston Elevated R. R. Bonds, 4½%, Nov. 1, 1941, 43-45, Registered.....	3,000.00
2d Convertible Liberty Bond, 4¼%, Nov. 15, 1942, Reg.....	3,000.00
3d Liberty Bond, 4¼%, Sept. 15, 1928, Registered.....	11,700.00
2 Victory Bonds, 4¾%, May 20, 1923, 1000705, 1000706...	2,000.00
Cash in Melrose Trust Co., Dec. 31, 1921.....	142.61
	<hr/>
	\$63,342.61



## WATER LOAN SINKING FUND

Balance, Cash in Bank Jan. 1, 1921.....		\$92.31
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## Receipts

Interest, Coupons.....	\$1,987.94	
Accrued on Bonds sold.....	10.03	
On Bank Deposit.....	10.11	
	<hr/>	
	\$2,008.08	
Bonds sold.....	1,500.00	3,508.08
	<hr/>	
		\$3,600.39

## Payments

Bonds bought.....	\$3,523.80	
Expenses:		
Melrose Trust Co., part of rent Safe		
Deposit Box.....	\$3.00	
Geo. E. Damon Co., Account Book....	1.00	4.00
Interest accrued on Bonds bought.....		32.68
	<hr/>	
	\$3,560.48	3,560.48
Balance, on deposit Melrose Trust Company.....		\$39.91

## LIST OF SECURITIES OWNED BY WATER LOAN SINKING FUND

December 31, 1921

34 Melrose Water Bonds, 4%, July 1, 1925, Nos. 400, 403-408, 410-426, 428-437.....	\$34,000.00
1 Bath, Maine, Bond, 4%, July 1, 1927, No. 14.....	500.00
2 Boston & Maine R. R. Bonds, 4½%, April 1, 1929, Nos. 5165-5170.....	2,000.00
Part 4th Liberty Bond, 4¼%, Oct. 15, 1938, Registered.....	8,000.00
Part 3d Liberty Bond, 4¼%, Sept. 15, 1928, Registered.....	4,700.00
1 Victory Bond, 4¾%, May 20, 1923.....	1,000.00
Cash in Melrose Trust Co.....	39.91
	<hr/>
	\$50,239.91



DIVISION OF REGISTERED LIBERTY BONDS, DEC. 31, 1921

	2d Convertible	3d	4th
Water.....		\$4,700.00	\$8,000.00
Sewer.....	\$10,000.00	32,600.00	10,000.00
School.....	2,000.00	10,000.00	5,000.00
Surface Drainage.....	3,000.00	11,700.00	
	<hr/>	<hr/>	<hr/>
	\$15,000.00	\$59,000.00	\$23,000.00

SCHOOL LOAN SINKING FUND

Balance, Cash in Bank Jan. 1, 1921..... \$29.73

Receipts

Interest, Coupons.....	\$682.98	
Registered.....	677.48	
On deposit.....	10.87	
Bonds sold.....	none	
	<hr/>	
	\$1,371.33	
City of Melrose 1921 Appropriation.....	2,992.56	
	<hr/>	
	\$4,363.89	\$4,363.89
		<hr/>
		\$4,393.62

Payments

Expenses:

Melrose Trust Co., Part of Rent Safe		
Deposit Box.....	\$2.00	
Geo. E. Damon, Account Book.....	1.50	
	<hr/>	
	\$3.50	
Bonds bought.....	3,872.90	
Interest accrued on Bonds bought.....	36.89	3,913.29
	<hr/>	<hr/>
Balance, on deposit Melrose Trust Co.....		\$480.33

## LIST OF SECURITIES OWNED BY SCHOOL LOAN SINKING FUND

December 31, 1921

1 Melrose Sewer Bond, 4%, July 1, 1926, No. 247 . . . . .	\$1,000.00
4 Boston & Albany R. R. Bonds, 4%, May 1, 1933, Nos. 2495-2498 . . . . .	4,000.00
5 Portland Terminal R. R. Bonds, 4%, July 1, 1951, M 1-4, 7, Registered . . . . .	5,000.00
2 Baltimore & Ohio R. R. Bonds, 3½%, July 1, 1925, M 531- 532, Registered . . . . .	2,000.00
3 Baltimore & Ohio R. R. Bonds, 3½%, July 1, 1925, B 42, 43, 49, Registered . . . . .	1,500.00
1 Boston Elevated R. R. Bond, 4½%, Nov. 1, 1941, 36 Reg.	5,000.00
1 Boston Elevated R. R. Bond, 4½%, Nov. 1, 1941, 34, Reg.	1,000.00
2d Convertible Liberty Bond, 4¼%, Nov. 15, 1942, 2419, Registered . . . . .	2,000.00
3d Liberty Bond, 4¼%, Sept. 15, 1928, Registered . . . . .	10,000.00
4th Liberty Bond, 4¼%, Oct. 15, 1938, Registered . . . . .	5,000.00
Cash on deposit in Melrose Trust Co., Dec. 31, 1921 . . . . .	480.33
	<hr/>
	\$36,980.33

WILLIAM R. LAVENDER  
*Treasurer*

# Report of City Auditor

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To His Honor The Mayor, and the Board of Aldermen.  
Gentlemen:—

I have the honor to submit herewith a statement of the receipts and expenditures of the City of Melrose, beginning on the first day of January 1921, and ending of the financial year on the thirty-first day of December, 1921, with a detailed statement of each department, a statement of assets and liabilities, a table showing the funded debt, the dates on which the notes and bonds were payable, together with a schedule of the City property.

In accordance with the requirements of Chapter 322, Acts of 1904, I have examined the several trust funds, under the control of the trustees of the public library, and find proper vouchers for, and bank books showing balances as stated by them in their report.

Respectfully submitted,

WILLIAM T. WOLLEY,  
*City Auditor*

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## FINANCES

The assessed valuation of the City, April 1, 1921, was:

Real Estate.....	\$19,871,300.00
Personal Estate.....	2,606,050.00
	<hr/>
	\$22,477,350.00

Increase in valuation from April 1, 1920 to April 1, 1921...	\$1,391,050.00
Number of dwelling houses April 1, 1921.....	4,010
Number of polls assessed.....	4,661
Population.....	18,670
Rate of taxation for \$1,000 April 1, 1921, \$30.80.	

Appropriations:

State Tax.....	\$57,174.00
County Tax.....	31,197.18
Sewer Tax.....	23,447.16
Park Tax.....	13,576.76
Highway Tax.....	545.34
Charles River Basin Tax.....	2,254.37

## CITY OF MELROSE

Fire Prevention Tax .....	182.54	
Eastern Mass. Street Railway Tax .....	541.78	
War Bonus Poll Tax .....	13,983.00	
City Budget .....	623,903.04	
Overlays .....	10,671.21	
	<u>\$777,502.38</u>	
Less Receipts .....	61,895.00	
	<u>\$715,607.38</u>	
Bonded Debt, Dec. 31, 1920 .....		\$771,000.00
Increase: 1921, Sewer Bonds .....	10,000.00	
Surface Drainage Bonds .....	30,000.00	
Water Bonds .....	20,000.00	60,000.00
		<u>\$831,000.00</u>
Decrease:		
Sewer Bonds .....	5,500.00	
Surface Drainage Bonds .....	8,000.00	
Water Bonds .....	15,000.00	
Park Bonds .....	2,000.00	
Auditorium Bonds .....	2,000.00	32,500.00
		<u>\$798,500.00</u>
Total Bonded Debt Dec. 31, 1921 .....		\$798,500.00
Increase \$27,500.00		

## MUNICIPAL DEBT NOTES

Total outstanding Dec. 31, 1920 .....		\$191,250.00
Increase 1921 .....		62,865.00
		<u>\$254,115.00</u>
Decrease 1921 .....		49,900.00
		<u>\$204,215.00</u>
Total outstanding Dec. 31, 1921 .....		\$204,215.00
Increase \$12,965.00		
Municipal Notes due 1922 .....	\$50,165.00	
1923 .....	34,050.00	
1924 .....	30,000.00	
1925 .....	19,000.00	
1926 .....	16,000.00	
1927 .....	16,000.00	
1928 .....	14,000.00	
1929 .....	13,500.00	
1930 .....	10,000.00	
1931 .....	1,500.00	\$204,215.00

**BONDED DEBT DEC. 31, 1921**

**Auditorium Bonds**

Due July 1, 1922 to 1931 at 4%, \$2,000.00 due each year . . . \$20,000.00

**School House Bonds**

Due March 1, 1929 at 3½% . . . . . \$78,000.00

**Sewer Bonds**

Melrose Sewer Loans:

Due June 1, 1924, at 4% . . . . .	\$100,000.00	
June 1, 1925, at 4% . . . . .	100,000.00	
July 1, 1926, at 4% . . . . .	50,000.00	
July 1, 1935, at 4% . . . . .	10,000.00	
June 1, 1937, at 4% . . . . .	10,000.00	
July 1, 1937, at 4% . . . . .	10,000.00	
July 1, 1938, at 4% . . . . .	10,000.00	
July 1, 1939, at 3½% . . . . .	10,000.00	
April 1, 1940, at 4% . . . . .	10,000.00	
May 1, 1941, at 4% . . . . .	5,000.00	
Nov. 1, 1941, at 4% . . . . .	5,000.00	
May 1, 1942, at 4% . . . . .	10,000.00	
May 1, 1922, to 1934, at 4%, serial \$500, due each year . . . . .	6,500.00	
May 1, 1922 to 1935, at 4%, serial \$500 due each year . . . . .	7,000.00	
Aug. 1, 1922 to 1926, at 4%, serial \$1,000 due each year . . . . .	5,000.00	
Sept. 1, 1922 to 1927, at 4%, serial \$1,000 due each year . . . . .	6,000.00	
Sept. 1, 1922 to 1933, at 4%, serial \$500 due each year . . . . .	6,000.00	
May 1, 1922 to 1929, at 4½%, serial \$1,000 due each year . . . . .	8,000.00	
Dec. 1, 1922 to 1923, at 4½%, serial \$1,000 due each year . . . . .	2,000.00	
June 1, 1922 to 1931, at 5¼, serial \$1,000 due each year . . . . .	10,000.00	\$380,500.00

**Surface Drainage Bonds**

Melrose Surface Drainage Loans:

Due Sept. 1, 1923, at 4% . . . . .	\$10,000.00
July 1, 1932, at 4% . . . . .	100,000.00
April 1, 1922 to 1927, at 4%, serial \$500 due each year . . . . .	3,000.00

Due April 1, 1922 to 1935, at 4%, serial \$500 due each year . . . . .	\$7,000.00	
May 1, 1922 to 1934, at 4%, serial \$500 due each year . . . . .	6,500.00	
June 1, 1922 to 1931, at 4%, serial \$1,000 due each year . . . . .	10,000.00	
Aug. 1, 1922 to 1928, at 4%, serial \$500 due each year . . . . .	3,500.00	
Aug. 1, 1922 to 1930, at 4%, serial \$1,000 due each year . . . . .	9,000.00	
Sept. 1, 1922 to 1927, at 4%, serial \$500 due each year . . . . .	3,000.00	
Nov. 1, 1922 to 1925, at 4%, serial \$500 due each year . . . . .	2,000.00	
Dec. 1, 1922 to 1923, at 4%, serial \$500 due each year . . . . .	1,000.00	
May 1, 1922 to 1929, at 4½%, serial \$1,500 due each year . . . . .	12,000.00	
Sept. 1, 1922 to 1931, at 5½%, serial \$1,000 due each year . . . . .	10,000.00	
Dec. 1, 1922 to 1930, at 5½%, serial \$1,000 due each year . . . . .	9,000.00	
Dec. 1, 1922 to 1931, at 4½%, serial \$1,000 due each year . . . . .	10,000.00	\$196,000.00

#### Water Bonds

##### Melrose Water Loans:

Due Aug. 1, 1922, at 4% . . . . .	\$10,000.00
Feb. 1, 1923, at 4% . . . . .	5,000.00
July 1, 1925, at 4% . . . . .	38,000.00
April 1, 1922, at 4% . . . . .	2,000.00
May 1, 1922 to 1924, at 4%, serial \$1,000 due each year . . . . .	3,000.00
June 1, 1922 to 1923 at 4½% . . . . .	4,000.00
June 1, 1922 to 1926, at 4%, serial \$1,000 due each year . . . . .	5,000.00
June 1, 1922 to 1932, at 3½%, serial \$2,000 due each year . . . . .	21,000.00
July 1, 1922, at 4% . . . . .	1,000.00
Aug. 1, 1922 to 1923, at 4½%, serial \$1,000 due each year . . . . .	2,000.00
Aug. 1, 1922 to 1923, at 4%, serial \$1,000 due each year . . . . .	2,000.00



Dec. 1, 1922 to 1923, at 4%, serial \$500 due each year . . . . .	1,000.00	
Dec. 1, 1922 to 1923, at 4½%, serial \$1,000 due each year . . . . .	2,000.00	
May 1, 1922 to 1929, at 4¼%, serial \$1,000 due each year . . . . .	8,000.00	
Aug. 1, 1922 to 1931, at 5½%, serial \$1,000 due each year . . . . .	10,000.00	
Dec. 1, 1922 to 1931, at 4½%, serial \$1,000 due each year . . . . .	10,000.00	\$124,000.00
Total Bonded Debt . . . . .		<u>\$798,500.00</u>
Less Sinking Funds.		
Sewer Loan . . . . .	\$282,269.08	
Surface Drainage Loan . . . . .	63,342.61	
Water Loan . . . . .	36,980.33	
School House Loan . . . . .	50,239.91	\$432,831.93
Net Bonded Debt . . . . .		<u>\$365,668.07</u>

## RECAPITULATION OF CITY DEBT

Municipal Notes . . . . .	\$204,215.00
Net Bonded Debt . . . . .	365,668.07
Total Net Debt, Dec. 31, 1921 . . . . .	<u>\$569,883.07</u>
Total Net Debt, Dec. 31, 1920 . . . . .	555,680.82
Increase 1921 . . . . .	\$14,202.25
Increase in Bonds . . . . .	\$27,500.00
Increase in Notes . . . . .	12,965.00
	<u>\$40,465.00</u>
Less Increase in Sinking Funds . . . . .	26,262.75
Total Increase . . . . .	<u>\$14,202.25</u>

## CASH ACCOUNT FGR 1921

Cash on hand Dec. 31, 1920 . . . . .	\$76,560.02
Receipts:	
January . . . . .	\$57,747.02
February . . . . .	54,646.20
March . . . . .	165,609.43
April . . . . .	97,174.99

May . . . . .	112,965.47	
June . . . . .	125,457.03	
July . . . . .	87,788.43	
August . . . . .	69,681.69	
September . . . . .	131,968.99	
October . . . . .	319,992.98	
November . . . . .	\$244,237.01	
December . . . . .	242,674.58	\$1,709,943.82
		<hr/>
		\$1,786,503.84
<b>Payments:</b>		
January . . . . .	\$39,412.45	
February . . . . .	60,788.02	
March . . . . .	155,455.38	
April . . . . .	109,009.85	
May . . . . .	104,379.67	
June . . . . .	152,437.72	
July . . . . .	73,182.77	
August . . . . .	74,757.11	
September . . . . .	152,875.68	
October . . . . .	170,860.78	
November . . . . .	406,264.36	
December . . . . .	185,079.23	1,684,503.02
		<hr/>
Cash on hand Dec. 31, 1921 . . . . .		\$102,000.82

## ESTIMATED RECEIPTS

## Receipts

Transferred from sundry accounts . . . . .		\$54,410.38
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## Expended

Budget Appropriations . . . . .	\$50,627.00	
Transferred to Excess and Deficiency . . . . .	3,783.38	
	<hr/>	
	\$54,410.38	\$54,410.38

## EXCESS AND DEFICIENCY

## Receipts

Balance from 1920 . . . . .		\$19,111.53
Transferred from Sundry Accounts . . . . .		9,261.29

**Expended**

Budget Appropriation.....	\$15,862.00	
Sundry Transfer Orders.....	6,774.13	
Balance to 1922.....	5,736.69	
	<hr/>	<hr/>
	\$28,372.82	\$28,372.82

**ASSETS AND LIABILITIES****Assets**

Amount invested in bldgs., lands, parks, and other property:	\$2,515,378.23	
Invested in Sinking Funds.....	\$432,831.93	
"    Sewer System.....	519,016.90	
"    Surface Draniage System.....	273,364.56	
"    Water System.....	534,702.02	
	<hr/>	<hr/>
	\$4,275,293.64	

**Liabilities**

Municipal Indebtedness:		
Bonds.....	\$798,500.00	
Notes.....	204,215.00	
Trust Funds.....	74,707.93	1,077,422.93
	<hr/>	<hr/>
Assets exceed liabilities.....		\$3,197,570.71

**REVENUE**

Taxes of 1918, balance from 1920.....	\$1,744.67	
Collected 1921.....	\$809.44	
Abated 1921.....	460.46	
Takings 1921.....	33.93	
City Possessions 1921.....	457.47	1,761.30
	<hr/>	<hr/>
Overpaid Dec. 31, 1921.....	\$16.63	
Taxes 1919, balance from 1920.....	\$56,149.99	
Collected 1921.....	\$46,769.97	
Abated 1921.....	2,114.46	
Takings 1921.....	5,831.75	
City Possessions 1921....	1,023.75	55,739.93
	<hr/>	<hr/>
Balance Dec. 31, 1921.....		\$410.06

Taxes 1920, balance from 1920.....	\$228,449.51	
Additional.....	849.15	
	<hr/>	
	\$229,298.66	
Collected 1921.....	\$156,311.56	
Abated 1921.....	5,840.17	162,151.73
	<hr/>	
Balance Dec. 31, 1921.....		\$67,146.93
Taxes 1921, Warrant.....	\$715,607.38	
Collected 1921.....	\$437,946.07	
Abated 1921.....	7,037.61	444,983.68
	<hr/>	
Balance Dec. 31, 1921.....		\$270,623.70
Tax Titles, balance from 1920.....		57.89
Tax Takings, balance from 1920.....	\$16,295.83	
Additional 1921.....	6,154.50	
	<hr/>	
	\$22,450.33	
Collected 1921.....	3,350.39	
	<hr/>	
Balance Dec. 31, 1921.....		\$19,099.94

#### Real Estate Taken by City

Balance from 1920.....	\$5,610.27	
Additional 1921.....	1,558.72	
	<hr/>	
	\$7,168.99	
Collected 1921.....	29.21	
Balance Dec. 31, 1921.....		\$7,139.78

#### STREET SPRINKLING ASSESSMENTS

1918—Balance from 1920.....	\$289.39	
Collected 1921.....	4.27	
	<hr/>	
Balance Dec. 31, 1921.....		285.12
1919—Balance from 1920.....	\$1,559.54	
Collected 1921.....	\$1,211.41	
Takings 1921.....	268.04	
Possessions 1921.....	42.09	1,521.54
	<hr/>	
Balance Dec. 31, 1921.....		38.00

REPORT OF CITY AUDITOR

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1920—Balance from 1920.....	\$4,593. 59	
Collected 1921.....	2,990. 26	
	<hr/>	
Balance Dec. 31, 1921.....		1,603. 33
1921—Warrants.....	\$23,485. 42	
Collected 1921.....	14,298. 95	
	<hr/>	
Balance Dec. 31, 1921.....		9,186. 47

MOTH ASSESSMENTS

1919—Balance from 1920.....	\$4. 00	
Collected 1921.....	4. 00	
	<hr/>	
1920—Balance from 1920.....	\$31. 50	
Collected 1921.....	20. 50	
	<hr/>	
Balance Dec. 31, 1921.....		11. 00
1921—Warrant.....	\$127. 15	
Collected 1921.....	80. 25	
	<hr/>	
Balance Dec. 31, 1921.....		46. 90

SEWER ASSESSMENTS

1918—Balance from 1920.....	\$313. 93	
Collected 1921.....	47. 97	
	<hr/>	
Balance Dec. 31, 1921.....		\$265. 96
1919—Balance from 1920.....	33. 39	
Collected 1921.....	\$194. 55	
City Possessions 1921....	22. 67	
	<hr/>	
Overpaid.....	\$183. 83	
1920—Balance from 1920.....	751. 44	
Collected 1921.....	654. 72	
	<hr/>	
Balance Dec. 31, 1921.....		96. 72
1921—Balance from 1920.....	1,990. 37	
Assessments.....	1,412. 35	
	<hr/>	
	\$3,402. 72	

Collected 1921 . . . . .	1,192.55	
Apportioned . . . . .	339.21	1,531.76
	<hr/>	<hr/>
Balance Dec. 31, 1921 . . . . .		1,970.96
1922—Balance from 1920 . . . . .	1,958.88	
Assessments . . . . .	40.41	
	<hr/>	<hr/>
	\$1,999.29	
Collected 1921 . . . . .	82.28	
	<hr/>	<hr/>
Balance Dec. 31, 1921 . . . . .		1,917.01
1923—Balance from 1920 . . . . .	1,867.29	
Assessments . . . . .	40.41	
	<hr/>	<hr/>
	\$1,907.70	
Collected 1921 . . . . .	82.28	
	<hr/>	<hr/>
Balance Dec. 31, 1921 . . . . .		1,825.42
1924—Balance from 1920 . . . . .	\$1,599.23	
Assessments . . . . .	40.42	
	<hr/>	<hr/>
	\$1,639.65	
Collected 1921 . . . . .	82.28	
	<hr/>	<hr/>
Balance Dec. 31, 1921 . . . . .		\$1,557.37
1925—Balance from 1920 . . . . .	\$1,328.89	
Assessments . . . . .	41.79	
	<hr/>	<hr/>
	\$1,370.68	
Collected 1921 . . . . .	82.28	
	<hr/>	<hr/>
Balance Dec. 31, 1921 . . . . .		1,288.40
1926—Balance from 1920 . . . . .	\$1,040.52	
Assessments . . . . .	26.09	
	<hr/>	<hr/>
	\$1,066.61	
Collected 1921 . . . . .	82.20	
	<hr/>	<hr/>
Balance Dec. 31, 1921 . . . . .		984.41
1927—Balance from 1920 . . . . .	\$713.28	
Assessments . . . . .	26.09	
	<hr/>	<hr/>
	\$739.37	
Collected 1921 . . . . .	20.23	
	<hr/>	<hr/>
Balance Dec. 31, 1921 . . . . .		719.14



REPORT OF CITY AUDITOR

1928—Balance from 1920.....	\$538.14	
Assessments.....	26.09	
	<hr/>	
	\$564.23	
Collected 1921.....	20.23	
	<hr/>	
Balance Dec. 31, 1921.....		544.00
1929—Balance from 1920.....	\$432.02	
Assessments.....	26.09	
	<hr/>	
	\$458.11	
Collected 1921.....	20.23	
	<hr/>	
Balance Dec. 31, 1921.....		\$437.88
1930—Balance from 1920.....	\$195.39	
Assessments.....	25.98	
	<hr/>	
	\$221.37	
Collected 1921.....	20.26	
	<hr/>	
Balance Dec. 31, 1921.....		201.11

SIDEWALK ASSESSMENTS

1912—Balance from 1920.....	\$86.40	
Collected 1921.....	6.89	
	<hr/>	
Balance Dec. 31, 1921.....		\$79.51
1913—Balance from 1920.....	\$100.24	
Collected 1921.....	6.89	
	<hr/>	
Balance Dec. 31, 1921.....		93.35
1914—Balance from 1920.....		498.17
1915—Balance from 1920.....		171.10
1917—Balance from 1920.....		266.72
1918—Balance from 1920.....	\$441.01	
Collected 1921.....	5.60	
	<hr/>	
Balance Dec. 31, 1921.....		435.41
1919—Balance from 1920.....	\$495.65	
Collected 1921.....	\$337.92	
Takings 1921.....	6.25	
	<hr/>	
	344.17	
	<hr/>	
Balance Dec. 31, 1921.....		151.48

1920—Balance from 1920.....	\$5,763.25	
Collected 1921.....	\$2,450.60	
Apportioned.....	2,836.52	5,287.12
	<hr/>	<hr/>
Balance Dec. 31, 1921.....		476.13
1921—Balance from 1920.....	\$3,351.90	
Assessments 1921.....	11,376.20	
	<hr/>	<hr/>
		\$14,728.10
Collected 1921.....	\$3,185.04	
Apportioned 1921.....	1,831.00	5,016.04
	<hr/>	<hr/>
Balance Dec. 31, 1921.....		9,712.06
1922—Balance from 1920.....	\$3,048.38	
Assessments 1921.....	759.73	
	<hr/>	<hr/>
		\$3,808.11
Collected 1921.....	206.26	
	<hr/>	<hr/>
Balance Dec. 31, 1921.....		3,601.85
1923—Balance from 1920.....	\$2,720.14	
Assessments.....	566.74	
	<hr/>	<hr/>
		\$3,286.88
Collected 1921.....	143.18	
	<hr/>	<hr/>
Balance Dec. 31, 1921.....		3,143.70
1924—Balance from 1920.....	\$2,467.65	
Assessments.....	566.70	
	<hr/>	<hr/>
		\$3,034.35
Collected 1921.....	143.19	
	<hr/>	<hr/>
Balance Dec. 31, 1921.....		\$2,891.16
1925—Balance from 1920.....	\$2,230.41	
Assessments.....	480.91	
	<hr/>	<hr/>
		\$2,711.32
Collected 1921.....	119.08	
	<hr/>	<hr/>
Balance Dec. 31, 1921.....		2,592.24

REPORT OF CITY AUDITOR

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1926—Balance from 1920.....	\$1,908.86	
Assessments.....	364.26	
	<hr/>	
	\$2,273.12	
Collected 1921.....	84.19	
	<hr/>	
Balance Dec. 31, 1921.....		2,188.93
1927—Balance from 1920.....	\$1,549.51	
Assessments.....	315.67	
	<hr/>	
	\$1,865.18	
Collected 1921.....	84.19	
	<hr/>	
Balance Dec. 31, 1921.....		1,780.99
1928—Balance from 1920.....	\$1,099.77	
Assessments.....	301.86	
	<hr/>	
	\$1,400.63	
Collected 1921.....	73.98	
	<hr/>	
Balance Dec. 31, 1921.....		1,326.65
1929—Balance from 1920.....	\$586.97	
Assessments.....	275.76	
	<hr/>	
	\$862.73	
Collected 1921.....	54.84	
	<hr/>	
Balance Dec. 31, 1921.....		\$807.89
1930—Balance from 1920.....	168.35	
Assessments.....	276.19	
	<hr/>	
	\$444.54	
Collected 1921.....	47.49	
	<hr/>	
Balance Dec. 31, 1921.....		397.05

STREET BETTERMENT ASSESSMENTS

1919—Balance from 1920.....	\$155.78	
Collected 1921.....	\$142.61	
Takings.....	27.27	169.88
	<hr/>	<hr/>
Balance Dec. 31, 1921.....		85.90

## CITY OF MELROSE

1920—Balance from 1920.....	1,351.83	
Collected 1921.....	815.21	
Apportioned.....	266.60	1,081.81
	<hr/>	<hr/>
Balance Dec. 31, 1921.....		270.02
1921—Balance from 1920.....	1,555.82	
Assessments.....	7,762.99	
	<hr/>	<hr/>
	\$9,318.81	
Collected 1921.....	1,219.35	
Apportioned.....	181.10	1,400.45
	<hr/>	<hr/>
Balance Dec. 31, 1921.....		7,918.36
1922—Balance from 1920.....	\$1,367.64	
Assessments.....	75.23	
	<hr/>	<hr/>
	\$1,442.87	
Collected 1921.....	40.96	
	<hr/>	<hr/>
Balance Dec. 31, 1921.....		\$1,401.91
1923—Balance from 1920.....	\$1,294.94	
Assessments.....	75.26	
	<hr/>	<hr/>
	\$1,370.20	
Collected 1921.....	33.70	
	<hr/>	<hr/>
Balance Dec. 31, 1921.....		\$1,336.50
1924—Balance from 1920.....	\$1,178.33	
Assessments.....	44.93	
	<hr/>	<hr/>
	\$1,223.26	
Collected 1921.....	33.70	
	<hr/>	<hr/>
Balance December 31, 1921.....		\$1189.56
1925—Balance from 1920.....	1,013.67	
Assessments.....	29.52	
	<hr/>	<hr/>
	\$1,043.19	
Collected 1921.....	33.72	
	<hr/>	<hr/>
Balance Dec. 31, 1921.....		1,009.47
1926—Balance from 1920.....	916.10	
Assessments.....	29.52	
	<hr/>	<hr/>
Balance Dec. 31, 1921.....		945.62

REPORT OF CITY AUDITOR

1927—Balance from 1920.....	\$646.36	
Assessments.....	29.52	
	<hr/>	
Balance Dec. 31, 1921.....		\$675.88
1928—Balance from 1920.....	\$381.89	
Assessments.....	29.52	
	<hr/>	
Balance Dec. 31, 1921.....		411.41
1929—Balance from 1920.....	\$128.21	
Assessments.....	29.54	
	<hr/>	
Balance Dec. 31, 1921.....		157.75
1930—Balance from 1920.....	11.04	
Assessments.....	29.45	
	<hr/>	
Balance Dec. 31, 1921.....		40.49

WATER RATES

1915—Balance from 1920.....	\$420.43	
Collected 1921.....	12.99	
	<hr/>	
Balance Dec. 31, 1921.....		407.44
1916—Balance from 1920.....	\$507.68	
Collected 1921.....	9.94	
	<hr/>	
Balance Dec. 31, 1921.....		497.74
1917—Balance from 1920.....	\$633.04	
Collected 1921.....	9.00	
	<hr/>	
Balance Dec. 31, 1921.....		624.04
191 —Balance from 1920.....	693.45	
Collected 1921.....	12.53	
	<hr/>	
Balance Dec. 31, 1921.....		680.92
1919—Balance from 1920.....	\$313.75	
Collected 1921.....	127.98	
	<hr/>	
Balance Dec. 31, 1921.....		185.77

1920—Balance from 1920.....	1,718.80	
Rates Committed.....	8,632.07	
	<hr/>	
	\$10,350.87	
Collected 1921.....	9,582.34	
	<hr/>	
Balance Dec. 31, 1921.....		768.53
1921—Rates Committed.....	\$47,736.12	
Collected 1921.....	44,742.84	
	<hr/>	
Balance Dec. 31, 1921.....	•	2,993.28

## WATER INCOME

## Receipts:

Balance from 1920.....		8,363.55
From Water Rates.....	\$54,497.62	
From Summonses.....	112.40	
From Accrued Interest on Bonds Sold..	33.75	54,643.77
	<hr/>	

## Payments:

Appropriation.....	\$28,363.55	
Interest on Bonds.....	5,000.00	
Metropolitan Water Charges.....	24,093.56	
City of Malden, Water Rates.....	53.71	
Refunds.....	83.89	
	<hr/>	
	\$57,594.71	
Balance to 1922.....	5,412.61	
	<hr/>	
	\$63,007.32	\$63,007.32

## COMMONWEALTH OF MASSACHUSETTS

Balance Dec. 31, 1921.....	\$2,696.00	
Pay Rolls, State Aid, Civil War.....	2,064.00	
Pay Rolls State Aid German War.....	30.00	
Pay Rolls Military Aid German War...	340.00	
Soldiers' Burials.....	120.00	
	<hr/>	
	\$5 250.00	
Cash received from Commonwealth Nov. 1921.....	2 668.50	
	<hr/>	
Balance Dec. 31 1921.....		2 581.50



**Commissioner of Taxes**  
**Income Tax Collected by Commonwealth**

Balance from 1920.....		\$10 485.10
Received 1921.....		65 672.06
Assessors' Warrants.....	\$60 668.00	
Transferred to Revenue of 1921.....	10 485.10	
Transferred to Cemetery Department...	1 800.00	
Balance Dec. 31 1921.....	3 204.06	
	\$76 157.16	\$76 157.16

**Grants and Gifts**

Receipts:		
From Middlesex County Dog Tax.....		\$1 152.58
From Individuals.....		481.44
<hr/>		
Expended:		
Transferred to Estimated Receipts.....	\$1,152.58	
Transferred to Park Department.....	481.44	
	\$1 634.02	\$1 634.02

**Bank and Corporation Tax**

Receipts:		
From Commonwealth.....		\$21 873.37
<hr/>		
Expended:		
Transferred to Highway Div. repairing	\$91.83	
Transferred to Estimated Receipts.....	21 781.54	
	\$21 873.37	\$21 873.37

# General Government

## ALDERMEN—Salaries and Wages

Receipts:		
Appropriation . . . . .		\$800.00
Expended:		
Salary of Clerk of Committees . . . . .	\$800.00	
	\$800.00	\$800.00
Other Expenses:		
Appropriation . . . . .		\$500.00
Transfer Order No. 13377 from Excess and Deficiency . . . . .		500.00
Transfer Order No. 13474 from Excess and Deficiency . . . . .		200.00
Expended		
Inaugural . . . . .	\$186.62	
Advertising, Printing and Postage . . . . .	301.67	
Flowers . . . . .	53.00	
Auto Hire . . . . .	90.95	
Telephone . . . . .	19.22	
Miscellaneous . . . . .	159.16	
Sundry Aldermanic Orders for Portraits	375.00	
Balance to Excess and Deficiency . . . . .	14.38	
	\$1 200.00	\$1 200.00

## Special Committee School Building Program

Receipts		
Appropriation, Transfer Order 13172 . . .		\$300.00
Expended:		
Stenographer . . . . .	\$48.89	
Printing . . . . .	9.00	
Advertising . . . . .	20.00	
Balance to 1922 . . . . .	222.11	
	\$300.00	\$300.00

Sub Committee on Memorial Building for World War Veterans

Receipts:

Appropriation. Transfer Order No. 13224	\$200.00
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Expended:

Services of Professional Adviser . . . . .	\$150.00	
3 Sketches of Proposed Building . . . . .	150.00	
	<hr/>	<hr/>
	\$300.00	\$300.00

MAYOR—Salaries and Wages

Receipts:

Appropriation . . . . .	\$1,720.00
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Expended:

Salary of Mayor . . . . .	\$1,000.00	
Salary of Secretary . . . . .	720.00	
	<hr/>	<hr/>
	\$1,720.00	\$1,720.00

Other Expenses

Appropriation . . . . .	\$200.00
-------------------------	----------

Expended:

Printing, Stationery and Supplies . . . . .	\$54.70	
Postage . . . . .	15.00	
Telephone . . . . .	50.95	
Miscellaneous . . . . .	21.67	
Balance to Excess and Deficiency . . . . .	57.68	
	<hr/>	<hr/>
	\$200.00	\$200.00

Entertainment of Visitors 4th of July

Appropriation Transfer Order No. 13353.	\$50.00
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Expended:

For Refreshments . . . . .	\$43.12	
Balance to Excess and Deficiency . . . . .	6.88	
	<hr/>	<hr/>
	\$50.00	\$50.00

## Printing Inaugural Address 1921

Appropriation Transfer Order No. 13330		\$50.00
No Expenditures		
Balance to 1922	\$50.00	
	<hr/>	<hr/>
	\$50.00	\$50.00

## AUDITOR—Salaries and Wages

Appropriation		\$2,000.00
Expended:		
Salary of Auditor	\$2,000.00	
	<hr/>	<hr/>
	\$2,000.00	\$2,000.00

## Other Expenses

Balance from 1920		\$118.29
Appropriation		250.00
Expended:		
Books, Stationery and Printing	\$117.82	
Postage and F. C. Box Rent	13.35	
Miscellaneous	9.83	
Balance to Excess and Deficiency	227.29	
	<hr/>	<hr/>
	\$368.29	\$368.29

## TREASURER—Salaries and Wages

Appropriation		\$2,800.00
Transfer Order No. 11487		100.00
Expended:		
Salary of Treasurer	\$1,800.00	
Salary of Clerk	961.50	
Balance to Excess and Deficiency	138.50	
	<hr/>	<hr/>
	\$2,900.00	\$2,900.00

## Other Expenses

Balance from 1920		\$103.87
Appropriation		750.00

Expended:

Official Bonds.....	155.00	
Books, Stationery, Printing, etc.....	164.38	
Postage and P. O. Box Rent.....	100.99	
Telephone.....	35.11	
Furnishings.....	131.63	
Use of Auto Pay Days.....	8.00	
Miscellaneous.....	93.60	
Transfer Order No. 11487.....	100.00	
Balance to Excess and Deficiency.....	65.16	
	\$853.87	\$853.87

Certification of Bonds and Notes

Balance from 1920.....	\$300.00
Appropriation.....	1,000.00

Expended:

Paid Old Colony Trust Co.....	1,035.00	
Balance to 1922.....	265.00	
	1,300.00	\$1,300.00

COLLECTOR—Salaries and Wages

Appropriation.....	\$3,780.00
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Expended:

Salary of Collector.....	\$1,200.00	
Salary of Clerks.....	2,580.00	
	\$3,780.00	\$3,780.00

Other Expenses

Appropriation.....	\$1,600.00
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## Expended:

Official Bond.....	\$250.00	
Recording Takings, etc.....	153.38	
Books, Stationery, Printing, etc.....	202.17	
Postage and Box Rent.....	140.64	
Advertising.....	195.91	
Telephone.....	30.68	
Clerical Assistants.....	00.00	
Distributing Tax Bills.....	100.00	
Miscellaneous.....	81.98	
Balance to Excess and Deficiency.....	345.24	
	<hr/>	<hr/>
	\$1,600.00	\$1,600.00

## Administration of Invested Funds

Appropriation.....		\$200.00
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## Expended:

Salary of Treasurer of Sinking Funds...	\$200.00	
	<hr/>	<hr/>
	\$200.00	\$200.00

## ASSESSORS—Salaries and Wages

Appropriation.....		\$3,500.00
Transfer Order No. 13300.....		150.00

## Expended:

Salaries of Assessors.....	\$1,500.00	
Salaries of Assistant Assessors.....	450.00	
Salary of Clerk.....	1,700.00	
	<hr/>	<hr/>
	\$3,650.00	\$3,650.00

## Other Expenses

Appropriation.....		\$2,000.00
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Expended

Overdraft from 1920.....	\$ .04	
Abstracts of Deeds and Transfers.....	139.05	
Use of Auto.....	150.00	
Books, Stationery, Printing, etc.....	139.50	
Clerical Assistants.....	287.60	
Printing Poll Books.....	1,134.00	
Telephone.....	26.14	
Postage.....	12.99	
Advertising.....	15.55	
Miscellaneous.....	95.08	
Balance to Excess and Deficiency.....	.05	
	\$2,000.00	\$2,000.00

CITY CLERK—Salaries and Wages

Appropriation.....		\$2,650.00
Expended:		
Salary of City Clerk.....	\$1,800.00	
Salary of Assistant Clerk.....	850.00	
	\$2,650.00	\$2,650.00

Other Expenses

Appropriation.....		\$400.00
Expended:		
Official Bond.....	\$4.00	
Books, Stationery, Printing and Supplies.....	141.04	
Clerical Services.....	8.00	
Car Fares and Court Expenses.....	36.60	
Telephone.....	90.42	
Recording Papers.....	29.26	
Postage and Box Rent.....	36.08	
Miscellaneous.....	48.00	
Balance to Excess and Deficiency.....	6.60	
	\$400.00	\$400.00

CITY SOLICITOR—Salaries and Wages

Appropriation.....		\$1,000.00
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## CITY OF MELROSE

## Expended:

Salary of Solicitor.....	\$1,000.00	
	<hr/>	<hr/>
	\$1,000.00	\$1,000.00

## Other Expenses

Appropriation.....		\$25.00
No Expenditures.....		
Balance to Excess and Deficiency.....	\$25.00	
	<hr/>	<hr/>
	\$25.00	\$25.00

## CITY PLANNING BOARD

Appropriation.....		\$50.00
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## Expended:

Dues to Massachusetts Federation of Planning Boards.....	\$10.00	
Balance to Excess and Deficiency.....	\$40.00	
	<hr/>	<hr/>
	\$50.00	\$50.00

## Board of Survey

Appropriation.....		\$50.00
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## Expended:

Advertising.....	\$5.00	
Pay Rolls.....	44.80	
Balance to Excess and Deficiency.....	.20	
	<hr/>	<hr/>
	\$50.00	\$50.00

## CITY PHYSICIAN—Salaries and Wages

Appropriation.....		\$630.00
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## Expended:

Salary of Physician.....	\$630.00	
	<hr/>	<hr/>
	\$630.00	\$630.00

**ELECTION AND REGISTRATION—Salaries and Wages**

Appropriation . . . . . \$1,100.00

Expended:

Salaries of Registrars . . . . .	\$400.00	
Salaries of Election Officers . . . . .	435.00	
Salaries of Police Officers . . . . .	55.20	
Clerical Services . . . . .	50.00	
Janitors' Services . . . . .	31.65	
Labor on Booths . . . . .	58.00	
Balance to Excess and Deficiency . . . . .	70.15	
	\$1,100.00	\$1,100.00

**Other Expenses**

Appropriation . . . . . \$1,000.00

Expended:

Advertising . . . . .	\$139.50	
Books, Stationery, Printing, etc. . . . .	392.43	
Postage . . . . .	107.98	
Rent of Polling Places . . . . .	20.00	
Posting Notices . . . . .	20.00	
Miscellaneous . . . . .	43.52	
Balance to Excess and Deficiency . . . . .	276.57	
	\$1,000.00	\$1,000.00

**PUBLIC WORKS DEPARTMENT**

(For details see Report of Engineer and Superintendent)

**PUBLIC WORKS OFFICE—Salaries and Wages**

Appropriation . . . . . \$4,500.00

Expended:

Salary of Engineer and Superintendent . . . . .	\$2,700.00	
Clerical Assistants . . . . .	1,341.25	
Transfer Order No. 13560A . . . . .	450.00	
Balance to Excess and Deficiency . . . . .	8.75	
	\$4,500.00	\$4,500.00

## Other Expenses

Appropriation . . . . .		\$800.00
Cash . . . . .		25.66
Transfer Order No. 13560A . . . . .		200.00

## Expended:

Pay Rolls and Bills Paid . . . . .	\$907.77	
Balance to Excess and Deficiency . . . . .	117.89	
	<hr/>	<hr/>
	\$1,025.66	\$1,025.66

## VACATIONS

Appropriations . . . . .		\$4,500.00
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## Expended:

Pay Rolls . . . . .	\$3,977.95	
Transfer Order No. 13471 . . . . .	450.00	
Balance to Excess and Deficiency . . . . .	72.05	
	<hr/>	<hr/>
	\$4,500.00	\$4,500.00

## ENGINEERING—Salaries and Wages

Appropriation . . . . .		\$6,000.00
Transfer Order No. 13560A . . . . .		250.00

## Expended:

Pay Rolls . . . . .	\$6,092.41	
Transfer Order No. 13568 . . . . .	97.11	
Balance to Excess and Deficiency . . . . .	60.48	
	<hr/>	<hr/>
	\$6,250.00	\$6,250.00

## Other Expenses

Appropriation . . . . .		\$850.00
Cash . . . . .		1.60

## Expended:

Bills . . . . .	\$468.76	
Transfer Bills . . . . .	382.93	
	<hr/>	<hr/>
	\$851.69	\$851.60
Overdraft to 1922 . . . . .		.09
	<hr/>	<hr/>
	\$851.69	\$851.69

REPORT OF CITY AUDITOR

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CITY HALL—Salaries and Wages

Appropriation . . . . .		\$2,500.00	
Expended:			
Pay Rolls and Transfer Bills . . . . .	\$2,380.20		
Balance to Excess and Deficiency . . . . .	119.80		
	<hr/>	<hr/>	
	\$2,500.00	\$2,500.00	

Other Expenses

Appropriation . . . . .		\$4,000.00	
Cash . . . . .		1.92	
Expended:			
Pay Rolls and Bills Paid . . . . .	\$3,746.50		
Balance to Excess and Deficiency . . . . .	255.42		
	<hr/>	<hr/>	
	\$4,001.92	\$4,001.92	

PROTECTION OF LIFE AND PROPERTY

POLICE DEPARTMENT—Salaries and Wages

Appropriation . . . . .		\$34,184.00	
Expended:			
Pay Rolls . . . . .	\$33,908.96		
Balance to Excess and Deficiency . . . . .	275.14		
	<hr/>	<hr/>	
	\$34,184.00	\$34,184.00	

Equipment and Repairs

Appropriation . . . . .		\$750.00	
Cash . . . . .		35.00	
Expended:			
Equipment . . . . .	\$164.12		
Repairs to Equipment . . . . .	547.69		
Miscellaneous . . . . .	28.25		
Balance to Excess and Deficiency . . . . .	44.94		
	<hr/>	<hr/>	
	\$785.00	\$785.00	

## Expended:

Books and Stationery.....	\$108.42	
Oil and Gasoline.....	195.66	
Storage Autos and Vehicles.....	484.00	
Postage and Box Rent.....	4.07	
Auto Hire.....	11.00	
Auto Insurance.....	38.50	
Telephone.....	156.39	
Miscellaneous.....	52.53	
Balance to Excess and Deficiency.....	49.43	
	<hr/>	<hr/>
	1,100.00	\$1 100.00

**Signal Box Maintenance**

Appropriation..... \$1 000.00

## Expended:

Pay Rolls.....	\$286.88	
Equipment, Supplies and Repairs.....	494.82	
Team Hire.....	170.50	
Miscellaneous.....	39.75	
Balance to Excess and Deficiency.....	8.05	
	<hr/>	<hr/>
	\$1 000.00	\$1 000.00

**Police Ambulance Fund**

Balance from 1920.....		\$60.16
Cash Receipts 1921.....		38.00
No Expenditures:		
Balance to 1922.....	98.16	
	<hr/>	<hr/>
	\$98.16	\$98.16

**Fines and Forfeits**

Balance from 1920.....		\$91.00
Receipts from 1st District Court.....		400.36

## Expended:

Expense of Committing Prisoners to E. Cambridge Jail.....	\$11.25	
Transferred to Excess and Deficiency...	412.42	
Balance to 1922.....	67.69	
	<hr/>	<hr/>
	\$491.36	\$491.36



REPORT OF CITY AUDITOR

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**FIRE DEPARTMENT—Salaries and Wages**

Appropriation.....		\$30 550.00
Transfer Order No. 13592.....		269.50

Expended:

Pay Rolls.....	\$30 488.94	
Transfer Order No. 13465.....	200.00	
Transfer Order No. 14604.....	87.58	
Transfer Order No. 13659.....	20.02	
Balance to Excess and Deficiency.....	22.96	
	<hr/>	
	\$30 819.50	\$30 819.50

**Fuel and Light**

Appropriation.....		\$1 500.00
Cash.....		5.00
Transfer Order No. 13518.....		200.00
Transfer Order No. 13604.....		20.46

Expended:

Coal and Wood.....	\$1,136.39	
Electric and Gas Lights.....	287.53	
Gasoline and Oil.....	\$276.27	
Miscellaneous.....	25.27	
	<hr/>	
	\$1 725.46	\$1,725.46

**Equipment and Repairs**

Appropriation.....		\$1,000.00
Transfer Order No. 13604.....		9.95

Expended:

Equipment.....	\$135.96	
Parts and Repairs.....	711.31	
Miscellaneous.....	62.68	
Transfer Order No. 13515.....	100.00	
	<hr/>	
	\$1,009.95	\$1,009.95

**Repairs on Buildings**

Balance from 1920.....		\$48.41
Appropriation.....		500.00
Transfer Order No. 13604.....		57.17
Transfer Order No. 13659.....		20.02

**Expended:**

Hardware, Stock, and Labor.....	\$469.55	
Lumber.....	35.49	
Transfer Order No. 13515.....	100.00	
Bills contracted but not paid.....	20.02	
Balance to Excess and Deficiency.....	.54	
	<hr/>	<hr/>
	\$625.60	\$625.60

**Other Expenses**

Balance from 1920.....		\$15.18
Appropriation.....		800.00
Transfer Order No. 13465.....		200.00
Transfer Order No. 13592.....		70.50

**Expended:**

Stationery, Printing, Advertising, etc....	\$36.93	
Bedding and Furnishings.....	156.08	
Laundry.....	170.14	
Supplies.....	304.71	
Postage.....	2.00	
Telephone.....	159.23	
Chauffeurs' Licenses and Renewals....	32.00	
Water Rates.....	120.50	
Miscellaneous.....	93.40	
Bills Contracted but not paid.....	.94	
Balance to Excess and Deficiency.....	9.75	
	<hr/>	<hr/>
	\$1,085.68	\$1,085.68

**Purchase of Hose**

Appropriation.....		\$500.00
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**Expended:**

Advertising.....	\$3.60	
Purchase of Hose.....	495.00	
Balance to Excess and Ddiciency.....	1.40	
	<hr/>	<hr/>
	\$500.00	\$500.00

**Fire Alarm Maintenance**

Appropriation.....		\$1,600.00	
Transfer Order No. 13592.....			2,000.00
Expended:			
Pay Rolls.....	\$829.20		
Equipment, Supplies and Repairs.....	1,171.17		
Team Hire.....	118.00		
Telephone.....	38.10		
Miscellaneous.....	31.72		
Transfer Order No. 13520.....	\$250.00		
Balance to 1922.....	1,161.81		
		<hr/>	<hr/>
	\$3 600.00		\$3 600.00

**Fire Alarm Box—Porter and East Streets**

Transfer Order No. 13285.....			\$220.00
Expended:			
Pay Rolls.....	\$22.00		
Stock and Supplies.....	142.90		
Team Hire.....	5.00		
Balance to Excess and Deficiency.....	50.10		
		<hr/>	<hr/>
	\$220.00		\$220.00

**Fire Alarm Box—East Emerson Street and Stratford Road**

Transfer Order No. 13520.....			\$250.00
Expended:			
Pay Rolls.....	\$26.00		
Stock and Supplies.....	209.52		
Team Hire.....	6.00		
Balance to Excess and Deficiency.....	8.48		
		<hr/>	<hr/>
	\$250.00		\$250.00

**INSPECTOR OF BUILDINGS—Salaries and Wages**

Appropriation.....			\$600.00
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## Expended:

Salary of Inspector .....	\$600.00	
	<hr/>	<hr/>
	\$600.00	\$600.00

## Other Expenses

Appropriation.....		\$35.00
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## Expended:

Printing.....	\$13.00	
Balance to Excess and Deficiency.....	\$22.00	
	<hr/>	<hr/>
	\$35.00	\$35.00

## INSPECTOR OF WIRES—Salaries and Wages

Appropriation.....		\$1,500.00
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## Expended:

Salary of Inspector.....	\$1,500.00	
	<hr/>	<hr/>
	\$1,500.00	\$1,500.00

## Other Expenses

Appropriation.....		\$150.00
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## Expended:

Stationery, Printing, Postage, etc.....	\$38.10	
Telephone.....	45.94	
Miscellaneous.....	25.91	
Balance to Excess and Deficiency.....	40.05	
	<hr/>	<hr/>
	\$150.00	\$150.00

## SEALER OF WEIGHTS AND MEASURES—Salaries and Wages

Appropriation.....		\$840.00
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## Expended:

Salary of Sealer.....	\$770.00	
Balance to Excess and Deficiency.....	70.00	
	<hr/>	<hr/>
	\$840.00	\$840.00

Other Expenses

Appropriation.....		\$75.00
Expended:		
Stationery and Printing.....	\$26.27	
Trucking.....	38.00	
Miscellaneous.....	5.10	
Balance to Excess and Deficiency.....	5.63	
	<hr/>	<hr/>
	\$75.00	\$75.00

FORESTRY

Gypsy and Brown Tail Moth

Appropriation.....		\$2,000.00
Transfer from Other Expenses.....		140.00
Expended:		
Pay Rolls.....	\$1,877.15	
Supplies.....	180.00	
Storage.....	30.00	
Postage and Telephone.....	4.92	
Team Hire.....	23.00	
Miscellaneous.....	10.10	
Balance to Excess and Deficiency.....	14.83	
	<hr/>	<hr/>
	\$2,140.00	\$2,140.00

Other Insect Pests

Appropriation.....		\$1,500.00
Transfer from Other Expenses.....		180.00
Expended:		
Pay Rolls.....	\$995.59	
Supplies.....	183.60	
Team Hire.....	87.00	
Storage.....	30.00	
Miscellaneous.....	2.25	
Transfer Order No. 13560.....	180.00	
Balance to Excess and Deficiency.....	201.56	
	<hr/>	<hr/>
	\$1,680.00	\$1,680.00

## Work on Private Estates

Appropriation .....		\$250.00
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## Expended:

Pay Rolls .....	\$148.50	
Balance to Excess and Deficiency .....	101.50	
	<hr/>	<hr/>
	\$250.00	\$250.00

## Care of Trees

Transfer Order No. 13560 .....	\$180.00
From Highway Division .....	138.00

## Expended:

Pay Rolls .....	\$138.00	
Team Hire .....	30.00	
Telephone .....	1.84	
Bills contracted for but not paid .....	3.34	
Balance to Excess and Deficiency .....	144.82	
	<hr/>	<hr/>
	\$318.00	\$318.00

## Other Expenses

Appropriation .....	\$320.00
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## Expended

Transfer to Gypsy and Brosn Tail Moth ..	\$140.00	
Transfer to Other Insect Pests .....	180.00	
	<hr/>	<hr/>
	\$320.00	\$320.00

## Care of Trees in Highways

Appropriation .....	\$1,500.00
Transfer Order No. 13370 .....	500.00
Transfer Order No. 13473 .....	300.00
Loan Authorized .....	3,000.00
Cash received .....	86.21



Expended:		
Pay Rolls . . . . .	\$1,888.44	
Men and Teams . . . . .	30.50	
Transfer Bills . . . . .	3,025.31	
Tools and Supplies . . . . .	38.54	
Loam . . . . .	102.90	
Miscellaneous . . . . .	.53	
Balance to 1922 . . . . .	299.99	
	<hr/>	<hr/>
	\$5,386.21	\$5,386.21

**Planting New Trees**

Appropriation . . . . .	\$550.00
Cash received . . . . .	120.00

Expended:		
Pay Rolls . . . . .	\$183.13	
Trees . . . . .	150.00	
Loam . . . . .	75.95	
Transfer Bills . . . . .	20.03	
Transfer to Excess and Deficiency . . . . .	240.89	
	<hr/>	<hr/>
	\$670.00	\$670.00

**HEALTH AND SANITATION**

(For detail see report of Board of Health)

**Health Department, General Administration**

Appropriation . . . . .	\$1,850.00
Transfer Order No. 13559 . . . . .	50.00

Expended:		
Salaries, Pay Rolls and Bills Paid . . . . .	\$1,854.33	
Balance to Excess and Deficiency . . . . .	45.67	
	<hr/>	<hr/>
	\$1,900.00	\$1,900.00

**Quarantine and Contagious Diseases**

Appropriation . . . . .	\$2,000.00
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## Expended:

Bills Paid . . . . .	\$1,585.43	
Transfer Order No. 13601 . . . . .	120.00	
Balance to Excess and Deficiency . . . . .	294.57	
	<hr/>	<hr/>
	\$2,000.00	\$2,000.00

**Tuberculosis**

Appropriation . . . . .		\$1,200.00
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## Expended:

Bills Paid . . . . .	\$767.78	
Transfer Order No. 13559 . . . . .	50.00	
Balance to Excess and Deficiency . . . . .	382.22	
	<hr/>	<hr/>
	\$1,200.00	\$1,200.00

**Vital Statistics**

Balance from 1920 . . . . .		\$239.25
Appropriation . . . . .		290.00

## Expended:

For Return of Births and Deaths . . . . .	\$186.75	
Printing, etc. . . . .	21.00	
Balance to 1922 . . . . .	321.50	
	<hr/>	<hr/>
	\$529.25	\$529.25

**Other Expenses**

Appropriation . . . . .		\$1,700.00
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## Expended:

Bills Paid . . . . .	1,599.97	
Burial of Dead Animals . . . . .	81.00	
Balance to Excess and Deficiency . . . . .	19.03	
	<hr/>	<hr/>
	\$1,700.00	\$1,700.00

**Inspection of School Children**

Appropriation . . . . .		\$450.00
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Expended:

Salaries of Inspectors.....	\$450.00	
	<u>450.00</u>	<u>450.00</u>

**Inspection of Animals and Slaughtering**

Appropriation.....	\$200.00
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Expended:

Salary of Inspector.....	\$200.00	
	<u>200.00</u>	<u>200.00</u>

**Inspection of Milk**

Appropriation.....	\$100.00
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Expended:

Salary of Inspector.....	\$100.00	
	<u>100.00</u>	<u>100.00</u>

**Inspection, Milk Analysis**

Appropriation.....	\$400.00
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Expended:

Salary of Inspector.....	\$400.00	
	<u>400.00</u>	<u>400.00</u>

**Public Health Nurse**

Appropriation.....	\$700.00
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Expended:

Salary of Nurse.....	\$700.00	
	<u>700.00</u>	<u>70.00</u>

## SANITATION

(For details see report of Engr. and Supt. Public Works)

## Sewer Division Maintenance

Appropriation.....	\$2,000.00
Cash Received.....	202.94

## Expended:

Pay Rolls.....	\$1,598.31	
Bills and Transfer Bills Paid.....	355.83	
Balance to Excess and Deficiency.....	248.80	
	<hr/>	<hr/>
	\$2,202.94	\$2,202.94

## Surface Drainage Maintenance

Appropriation.....	\$5,000.00
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## Expended:

Pay Rolls and Transfer Bills Paid.....	\$4,400.00	
Transfer Order No. 13560B.....	600.00	
	<hr/>	<hr/>
	\$5,000.00	\$5,000.00

## Collection of Ashes and Rubbish

Appropriation.....	\$11,000.00
Transfer Order No. 13560B.....	600.00

## Expended:

Pay Rolls.....	\$8,167.07	
Bills and Transfer Bills Paid.....	3,450.93	
Overdraft to 1922.....		18.00
	<hr/>	<hr/>
	\$11,618.00	\$11,618.00

## Refuse and Garbage Disposal

Appropriation.....	\$5,640.00
Transfer Order No. 13601.....	120.00

Expended:		
Pay Rolls .....	\$5,760.00	
		<hr/>
	\$5,760.00	\$5,760.00

**Street Cleaning**

Appropriation.....		\$6,500.00
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Expended:		
Pay Rolls .....	\$6,196.55	
Transfer Bills .....	303.15	
Balance to Excess and Deficiency .....	.30	
		<hr/>
	\$6,500.00	\$6,500.00

**Cleaning Brooks**

Appropriation.....		\$2,000.00
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Expended:		
Pay Roll .....	\$1,942.82	
Transfer .....	56.17	
Balance to Excess and Deficiency .....	1.01	
		<hr/>
	\$2,000.00	\$2,000.00

**HIGHWAYS**

(For details see report of Engr. and Supt. Public Works)

**General Administration**

Appropriation.....		\$3,000.00
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Expended:		
Pay Rolls .....	\$2,630.00	
Use of Auto .....	370.00	
		<hr/>
	\$3,000.00	\$3,000.00

**Maintenance and Repairing**

Balance from 1920 .....		\$482.07
Appropriation.....		40,000.00
Street Railway Tax.....		91.83
Cash Received.....		1,089.53
Transfer Order No. 13470.....		2,434.03

## Expended:

Pay Rolls and Bills.....	\$42,267.78	
Transfer Bills.....	283.65	
Transfer to Excess and Deficiency.....	1,454.20	
Balance to 1922.....	91.83	
	<hr/>	<hr/>
	\$44,097.46	\$44,097.46

**Individual Walks**

Balance from 1920.....		\$780.45
Appropriation.....		1,000.00
Cash, Estimates Received.....		1,562.53

## Expended:

Pay Rolls and Bills Paid.....	\$2,516.30	
Estimates Refunded.....	425.58	
Balance to 1922.....	401.10	
	<hr/>	<hr/>
	\$3,342.98	\$3,342.98

**Sidewalk Repairs**

Appropriation.....		\$6,000.00
Transfer Order No. 13942.....		400.00

## Expended:

Pay Rolls and Bills Paid.....	\$6,299.78	
Transfer Order No. 13527.....	45.00	
Balance to Excess and Deficiency.....	55.22	
	<hr/>	<hr/>
	\$6,400.00	\$6,400.00

**Street Sprinkling**

Appropriation.....		\$1,000.00
Assessments Collected.....		18,504.89

## Expended:

Overdraft from 1920.....	\$3,547.46	
Pay Rolls and Bills.....	23,732.00	
Overdraft to 1922.....		7,774.57
	<hr/>	<hr/>
	\$27,279.46	\$27,279.46



**Street Lighting**

Appropriation . . . . .		\$24,000.00	
Park Department Bill . . . . .			270.00

## Expended:

Bills Paid . . . . .	\$22,431.53		
Transfer to Excess and Deficiency . . . . .	88.47		
Balance to 1922 . . . . .	1,750.00		
		<hr/>	
	\$24,270.00		\$24,270.00

**Street Signs and Numbers**

Appropriation . . . . .		\$500.00	
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## Expended:

Pay Rolls and Bills . . . . .	\$500.00		
		<hr/>	
	\$500.00		\$500.00

**Removal of Snow and Sanding Walks**

Appropriation . . . . .		\$3,000.00	
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## Expended:

Pay Rolls and Bills . . . . .	\$2,999.14		
Balance to Excess and Deficiency . . . . .	.86		
		<hr/>	
	\$3,000.00		\$3,000.00

**CHARITIES**

(For details see report of Overseers of the Poor)

**General Administration**

Appropriation . . . . .		\$1,250.00	
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## Expended:

Bills Paid . . . . .	\$1,215.88		
Balance to Excess and Deficiency . . . . .	34.12		
		<hr/>	
	\$1,250.00		\$1,250.00

**Outside Relief by City**

Appropriation.....		\$5,000.00	
Transfer Order No. 13548.....		600.00	
Expended:			
Cash Orders and Bills Paid.....	\$5,595.00		
Balance to Excess and Deficiency.....	5.00		
	<hr/>	<hr/>	
	\$5,600.00	\$5,600.00	

**Relief by Other Cities and Towns**

Appropriation.....		\$4,500.00	
Cash (Reimbursements).....		168.01	
Expended:			
Bills Paid.....	\$4,601.30		
Balance to Excess and Deficiency.....	66.71		
	<hr/>	<hr/>	
	\$4,668.01	\$4,668.01	

**Mothers' Aid**

Appropriation.....		\$5,500.00	
Expended:			
Cash Orders and Bills Paid.....	\$4,107.33		
Transfer Order No. 13548.....	600.00		
Balance to Excess and Deficiency.....	792.67		
	<hr/>	<hr/>	
	\$5,500.00	\$5,500.00	

**Maintenance in Hospital**

Appropriation.....		\$1,000.00	
Expended:			
Melrose Hospital.....	\$958.30		
Balance to Excess and Deficiency.....	41.70		
	<hr/>	<hr/>	
	\$1,000.00	\$1,000.00	

**E. Toothaker Fund**

Balance from 1920.....		\$1,434.20	
Interest on Fund.....			118.84
Expended:			
Bills Paid.....	\$24.84		
Balance to 1922.....	1,528.20		
		<hr/>	<hr/>
	\$1,553.04	\$1,553.04	

**A. C. Marie Currier Fund**

Balance from 1920.....		\$1,395.81	
Received from Trustees.....			2,000.00
Expended:			
Bills Paid.....	\$1,257.72		
Balance to 1922.....	2,138.09		
		<hr/>	<hr/>
	\$3,395.81	\$3,395.81	

**Community Civics Fund****Melrose High School, Class of 1918**

Balance from 1920.....		\$4.99	
Interest on Liberty Bonds.....			2.12
Balance to 1922.....	7.11		
		<hr/>	<hr/>
	\$7.11	\$7.11	

**SOLDIERS' BENEFITS****General Administration**

Appropriation.....		\$300.00	
Expended:			
Salary of Agent.....	\$300.00		
		<hr/>	<hr/>
	\$300.00	\$300.00	

**Other Expenses**

Appropriation.....		\$75.00	
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## Expended:

Stationery and Printing.....	\$11.50	
Typewriting.....	42.00	
Postage.....	9.92	
Car Fares.....	4.26	
Balance to Excess and Deficiency.....	7.32	
	<hr/>	<hr/>
	\$75.00	\$75.00

**Soldiers' Relief**

Appropriation.....	\$4,000.00
Reimbursements.....	85.00
Cash.....	9.50
Transfer Order No. 13472.....	60.00
Transfer Order No. 13469.....	600.00

## Expended:

Cash Orders.....	\$3,055.00	
Rent.....	120.00	
Fuel.....	650.00	
Medical Attendance and Medicine.....	171.31	
Nursing.....	695.00	
Dry Goods, Clothing.....	3.00	
Balance to Excess and Deficiency.....	\$60.19	
	<hr/>	<hr/>
	\$4,754.50	\$4,754.50

**State Aid**

(Due from Commonwealth November, 1922)

## Expended:

Pay Rolls—Civil War.....	\$2,064.00	
Pay Rolls—German War.....	30.00	
	<hr/>	<hr/>
	\$2,094.00	

**Soldiers' Burial**

(Due from Commonwealth November 1922)

Bills Paid.....	\$120.00
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**Military Aid**

(One-half due from Commonwealth, 1922)

Balance from 1920.....		\$375.00	
Appropriation.....		500.00	
Due from Commonwealth 1922.....		340.00	
Expended:			
Pay Rolls.....	\$680.00		
Transfer Order No. 13472.....	60.00		
Balance to 1922.....	475.00		
		<hr/>	<hr/>
	\$1,215.00		\$1,215.00

**SCHOOL DEPARTMENT**

(For details see report of School Committee)

**Administration, Salaries**

Appropriation.....		\$4,000.00	
Expended:			
Salary of Superintendent.....	\$4,000.00		\$4,000.00
		<hr/>	<hr/>
	\$4,000.00		\$4,000.00

**Other General Salaries**

Appropriation.....		\$1,800.00	
Expended:			
Salary of Attendance Officer.....	\$500.00		
Salary of Clerks.....	1,244.50		
Balance to Excess and Deficiency.....	55.50		
		<hr/>	<hr/>
	\$1,800.00		\$1,800.00

**Other General Expenses**

Appropriation.....		\$1,200.00	
Transfer Order No. 13563.....		100.00	
Transfer Order No. 13629.....		84.00	

## Expended:

Bills Paid .....	\$1,276.68	
Bills contracted but not paid .....	107.32	
	<hr/>	<hr/>
	\$1,384.00	\$1,384.00

**Teachers' Salaries**

Appropriation .....		\$169,000.00
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## Expended:

Salaries .....	\$168,065.73	
Transfer Order No. 13563 .....	900.00	
Transfer Order No. 13629 .....	34.00	
Balance to Excess and Deficiency .....	.27	
	\$169,000.00	\$169,000.00

**Text Books and Supplies**

Appropriation .....		\$11,000.00
Transfer Order No. 13563 .....		1,050.00
Cash .....		30.92

## Expended:

Bills Paid .....	\$11,993.66	
Balance to 1922 .....	\$87.26	
	<hr/>	<hr/>
	\$12,080.92	\$12,080.92

**Tuition**

Appropriation .....		\$3,000.00
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## Expended:

Bills Paid .....	\$1,466.33	
Transfer Order No. 11486 .....	450.00	
Transfer Order No. 13563 .....	1,050.00	
Balance to 1922 .....	33.67	
	<hr/>	<hr/>
	\$3,000.00	\$3,000.00



**Transportation**

Appropriation.....		\$1,100.00	
Expended:			
For Barge Service.....	\$1,100.00		
	<u>\$1,100.00</u>	<u>\$1,100.00</u>	

**Support of Truants**

Appropriation.....		\$800.00	
Expended:			
Middlesex County Training School.....	\$249.71		
Transfer Order No. 13563.....	550.00		
Balance to Excess and Deficiency.....	.29		
	<u>\$800.00</u>	<u>\$800.00</u>	

**Janitor Service**

Appropriation.....		\$15,250.00	
Expended:			
Pay Rolls.....	\$15,067.89		
Transfer Order No. 13563.....	100.00		
Transfer Order No. 13629.....	80.00		
Balance to 1922.....	\$2.11		
	<u>\$15,250.00</u>	<u>\$15,250.00</u>	

**Fuel and Lights**

Appropriation.....		\$14,000.00	
Expended:			
Bills Paid.....	\$13,985.42		
Balance to 1922.....	14.58		
	<u>\$14,000.00</u>	<u>\$14,000.00</u>	

**Maintenance of Buildings and Grounds**

Appropriation.....		\$18,250.00	
Transfer Order No. 13563.....			1,450.00

**Expended:**

Bills Paid.....	\$19,602.09		
Transfer Order No. 13629.....		90.00	
Balance to 1922.....		7.91	
		<hr/>	<hr/>
	\$19,700.00		\$19,700.00

**Furniture and Furnishings**

Appropriation.....		\$1,500.00	
Transfer Order No. 11486.....			150.00
Transfer Order No. 13563.....			200.00
Transfer Order No. 13629.....			170.00

**Expended:**

Bills Paid.....	\$1,554.91		
Bills contracted for but not paid.....		462.60	
Balance to 1922.....		2.49	
		<hr/>	<hr/>
	\$2,020.00		\$2,020.00

**Other Expenses**

Appropriation.....		\$800.00	
Transfer Order No. 13629.....			55.00

**Expended:**

Bills Paid.....	\$777.32		
Bills contracted for but not paid.....		71.75	
Balance.....		5.93	
		<hr/>	<hr/>
	\$855.00		\$855.00

**School Nurse**

Appropriation.....		\$900.00	
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Expended:

Salary of Nurse . . . . .	\$900.00	
	<u>900.00</u>	<u>900.00</u>

**Athletic Department**

Appropriation . . . . .		\$1,000.00
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Expended:

Bills Paid . . . . .	\$994.32	
Balance . . . . .	5.68	
	<u>1,000.00</u>	<u>1,000.00</u>

**Science Department**

Balance from Physical Laboratory 1920 . . .		\$946.86
Appropriation . . . . .		1,890.00

Expended:

Bills paid . . . . .	\$2,831.31	
Balance . . . . .	5.55	
	<u>2,836.86</u>	<u>2,836.86</u>

**Music Department**

Appropriation . . . . .		\$500.00
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Expended:

Bills Paid . . . . .	\$446.10	
Balance to 1922 . . . . .	53.90	
	<u>500.00</u>	<u>500.00</u>

**Commercial Department**

Appropriation . . . . .		\$1,500.00
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Expended:

Bills Paid . . . . .	\$1,459.17	
Balance to 1922 . . . . .	40.83	
	<u>1,500.00</u>	<u>1,500.00</u>

## Americanization Work

Appropriation.....		\$300.00
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## Expended:

Bills Paid.....	\$49.28	
Transfer Order No. 13563.....	200.00	
Transfer Order No. 13629.....	50.00	
Balance to 1922.....	.72	
	<hr/>	<hr/>
	\$300.00	\$300.00

## Office of Director of Physical Education

Transfer Order No. 11486.....	\$300.00
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## Expended:

Bills Paid.....	\$265.58	
Balance.....	34.42	
	<hr/>	<hr/>
	\$300.00	\$300.00

## LIBRARIES

## Salaries and Wages

Appropriation.....	\$6,440.00
--------------------	------------

## Expended:

Pay Rolls.....	\$6,337.67	
Transfer Order No. 13608.....	100.74	
Balance to Excess and Deficiency.....	1.59	
	<hr/>	<hr/>
	\$6,440.00	\$6,440.00

## Books and Magazines

Appropriation.....	\$2,900.00
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## Expended:

Books.....	\$2,491.02	
Magazines.....	388.90	
Balance to Excess and Deficiency.....	20.08	
	<hr/>	<hr/>
	\$2,900.00	\$2,900.00

**Binding**

Appropriation.....		\$600.00
Transfer Order No. 13608.....		46.16

Expended:

Bills Paid.....	\$646.15	
Balance to Excess and Deficiency.....	.01	
	<hr/>	<hr/>
	\$646.16	\$646.16

**Fuel and Lights**

Appropriation.....		\$924.00
Transfer Order No. 13608.....		7.05

Expended:

Coal and Wood.....	\$682.75	
Electric Lighting.....	247.84	
Balance to Excess and Deficiency.....	.46	
	<hr/>	<hr/>
	\$931.05	\$931.05

**Building, Janitors' Supplies, etc.**

Appropriation.....		\$400.00
Transfer Order No. 13608.....		54.58

Expended: Overdrafts of 1920.....	\$6.76	
Repairs.....	211.76	
Rent.....	100.00	
Water Rates.....	9.00	
Supplies.....	76.26	
Miscellaneous.....	50.60	
Balance to Excess and Deficiency.....	.20	
	<hr/>	<hr/>
	\$454.58	\$454.58

**Other Expenses**

Appropriation.....		\$750.00
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## Expended:

Stationery, Printing, etc.....	\$124.49	
Postage and Telephone.....	48.37	
Stock and Labor on Repairs.....	440.90	
Miscellaneous.....	11.25	
Transfer Order No. 13608.....	7.05	
Excess and Deficiency.....	1.94	
Balance to 1922.....	16.00	
	<hr/>	<hr/>
	\$750.00	\$750.00

## RECREATION

## Pine Banks Park

Appropriation.....		\$1,900.00
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## Expended:

Paid Treasurer Pine Banks Park Trustees	\$1,900.00	
	<hr/>	<hr/>
	\$1,000.00	\$1,900.00

## PARK DEPARTMENT

(For details see report of Park Commission)

## General Administration

## Salaries and Wages

Appropriation.....		\$100.00
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## Expended:

Salary of Clerk.....	\$100.00	
	<hr/>	<hr/>
	\$100.00	\$100.00

## Other Expenses

Balance from 1920.....		\$69.11
Appropriation.....		150.00



Expended:

Bills Paid .....	\$127.77	
Balance to 1922.....	91.3	
	<u>219.11</u>	<u>\$219.11</u>

**Parks and Gardens—Salaries and Wages**

Appropriation.....		\$2,500.00
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Expended:

Pay Rolls .....	\$1,651.03	
Transfer Order No. 13466.....	750.00	
Transfer Order No. 13579.....	98.97	
	<u>2500.00</u>	<u>\$2,500.00</u>

**Improvements**

Appropriation.....		\$250.00
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Expended:

Transfer Order No. 13466.....	\$250.00	
	<u>250.00</u>	<u>\$250.00</u>

**Other Expenses**

Appropriation.....		\$500.00
Transfer Order No. 13388.....		102.00

Expended:

Bills paid.....	\$594.94	
Transfer Order No. 13.....	7.06	
	<u>602.00</u>	<u>\$602.00</u>

**Ell Pond Lighting**

Appropriation.....		\$432.00
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## Expended:

Bills Paid . . . . .	\$270.00	
Transfer Order No. 13466 . . . . .	162.00	
	<hr/>	<hr/>
	\$432.00	\$432.00

**Development Ice House Property**

Transfer Order No. 13466 . . . . .		\$2,722.00
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## No Expenditures:

Balance to 1922 . . . . .	\$2,722.00	
	<hr/>	<hr/>
	\$2,722.00	\$2,722.00

**Removing Snow**

Balance from 1920 . . . . .		\$156.70
Appropriation . . . . .		300.00

## Expended:

Pay Rolls . . . . .	\$100.68	
Balance to Excess and Deficiency . . . . .	356.02	
	<hr/>	<hr/>
	\$456.70	\$456.70

**Hockey Rink Construction and Maintenance**

Appropriation . . . . .		\$500.00
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## Expended:

Pay Rolls and Bills Paid . . . . .	\$495.83	
Balance to Excess and Deficiency . . . . .	4.17	
	<hr/>	<hr/>
	\$500.00	\$500.00

**PLAY GROUNDS—Salaries and Wages**

Appropriation . . . . .		\$1,000.00
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Expended:

Pay Rolls . . . . .	\$602.55	
Transfer Order No. 13466 . . . . .	335.00	
Transfer Order No. 13579 . . . . .	50.08	
Balance to Excess and Deficiency . . . . .	12.37	
	\$1,000.00	\$1,000.00

**Improvements**

Appropriation . . . . .		\$100.00
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Expended:

Transfer Order No. 13466 . . . . .	\$100.00	
	\$100.00	\$100.00

**Other Expenses**

Balance from 1920 . . . . .		\$434.36
Appropriation . . . . .		400.00
Transfer Order No. 13579 . . . . .		156.97

Expended:

Bills Paid . . . . .	\$952.87	
Balance to 1922 . . . . .	38.46	
	\$991.33	\$991.33

**MESSENGERS' MEADOWS—Salaries and Wages**

Appropriation . . . . .		\$700.00
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Expended:

Pay Rolls . . . . .	\$699.63	
Transfer Order No. 13579 . . . . .	.37	
	\$700.00	\$700.00

**Other Expenses**

Appropriation . . . . .		\$800.00
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## Expended:

Bills Paid . . . . .	\$799.98	
Transfer Order No. 13579 . . . . .	.02	
	<hr/>	<hr/>
	\$800.00	\$800.00

**BATHHOUSES—Salaries and Wages**

Appropriation . . . . . \$750.00

## Expended:

Transfer Order No. 13466 . . . . .	\$750.00	
	<hr/>	<hr/>
	\$750.00	\$750.00

**Improvements**

Appropriation . . . . . \$150.00

## Expended:

Transfer Order No. 13466 . . . . .	\$150.00	
	<hr/>	<hr/>
	\$150.00	\$150.00

**Other Expenses**

Appropriation . . . . . \$300.00

## Expended:

Bills Paid . . . . .	\$74.53	
Transfer Order No. 13466 . . . . .	225.00	
Transfer Order No. 13579 . . . . .	.47	
	<hr/>	<hr/>
	\$300.00	\$300.00

**CELEBRATION AND ENTERTAINMENTS**

Fourth of July, 1919

## Received:

Cash Programs, 1919 . . . . .	\$5.00
Transfer Order No. 13338 . . . . .	12.00

Expended:

Bills Paid . . . . .	\$12.00	
Balance to Excess and Deficiency . . . . .	5.00	
	<hr/>	<hr/>
	\$17.00	\$17.00

Fourth of July, 1921

Decorating City Buildings

Appropriation . . . . .		\$75.00
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Expended:

Bills Paid . . . . .	\$75.00	
	<hr/>	<hr/>
	\$75.00	\$75.00

All Others, Ringing Bells

Appropriation . . . . .		\$50.00
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Expended:

Bills Paid . . . . .	\$40.00	
Balance to Excess and Deficiency . . . . .	10.00	
	<hr/>	<hr/>
	\$50.00	\$50.00

PENSIONS

Appropriation:

Fire Department . . . . .	\$200.00
Public Works Department . . . . .	4,000.00
Sealer Weights and Measures Dept. . . . .	416.00
Cemetery Department . . . . .	280.00
Library Department . . . . .	600.00

Expended:

Fire Department . . . . .	\$200.00	
Public Works Department . . . . .	3,600.00	
Transfer Order No. 13492 . . . . .	400.00	
Sealer Weights and Measures Dept. . . . .	312.00	
Cemetery Department . . . . .	231.41	
Library Department . . . . .	415.00	
Balance to Excess and Deficiency . . . . .	337.59	
	<hr/>	<hr/>
	\$5,496.00	\$5,496.00

## UNCLASSIFIED—Claims

Balance from 1920 . . . . .		\$447.54
Transfer Order No. 12014 . . . . .		125.00
Transfer Order No. 13386 . . . . .		40.00
Transfer Order No. 13527 . . . . .		45.00

## Expended:

Claims Paid . . . . .	\$210.00	
Balance to 1922 . . . . .	447.54	
	<hr/>	<hr/>
	\$657.54	\$657.54

## Memorial Day

Appropriation—G. A. R. . . . .		\$400.00
Transfer Order No. 13387 . . . . .		45.13
Appropriation . Veteran Firemens' Asso. . . . .		50.00
Appropriation—Amer. Legion Post, No. 90 . . . . .		200.00

## Expended:

Bills Paid—G. A. R. . . . .	\$445.13	
Bills Paid—Veteran Firemens' Asso. . . . .	50.00	
Bills Paid—Amer. Legion Post, No. 90 . . . . .	187.56	
Balance to Excess and Deficiency— American Legion Post, No. 90 . . . . .	12.44	
	<hr/>	<hr/>
	\$695.13	\$695.13

## Printing City Report

Appropriation . . . . .		\$1,100.00
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## Expended:

Bills Paid . . . . .	\$941.68	
Balance to Excess and Deficiency . . . . .	158.32	
	<hr/>	<hr/>
	\$1,100.00	\$1,100.00

## Ice for Drinking Fountains

Appropriation . . . . .		\$50.00
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## Expended

Bills Paid . . . . .	\$50.00	
	<hr/>	<hr/>
	\$50.00	\$50.00



**Insurance**

Appropriation . . . . .		\$900.00
Cash—Refund . . . . .		1.46
Transfer Order No. 13688 . . . . .		97.11

Expended:

Bills Paid . . . . .	\$934.57	
Balance to 1922 . . . . .	64.00	
	<hr/>	<hr/>
	\$998.57	\$998.57

**Portraits**

Balance from 1920 . . . . .		\$210.00
Transfer Order No. 13116 . . . . .		75.00
Transfer Order No. 13160 . . . . .		75.00
Transfer Order No. 13046 . . . . .		75.00
Transfer Order No. 11686 . . . . .		75.00
Transfer Order No. 11717 . . . . .		75.00

Expended:

Bills Paid . . . . .	\$150.00	
Balance to 1922 . . . . .	435.00	
	<hr/>	<hr/>
	\$585.00	\$585.00

**Soldiers' Compensation, Equalization of Pay**

Transfer Order No. 13468 . . . . .		\$536.00
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Expended:

Paid C. J. Moylan . . . . .	\$536.00	
	<hr/>	<hr/>
	\$536.00	\$536.00

**County Aid to Agriculture**

Appropriation . . . . .		\$100.00
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Expended:

Paid to Middlese County Bureau of Agriculture . . . . .	\$100.00	
	<hr/>	<hr/>
	\$100.00	100.00

## CITY OF MELROSE

**Municipal Organ Concerts**

Appropriation . . . . .		\$1,000.00
Expended:		
Bills Paid . . . . .	\$797.07	
Bills contracted but not paid . . . . .	29.94	
Balance to Excess and Deficiency . . . . .	172.99	
	<u>\$1,000.00</u>	<u>\$1,000.00</u>

**American Legion Headquarters**

Appropriation . . . . .		\$850.00
Expended:		
Rent of Rooms . . . . .	\$850.00	
	<u>\$850.00</u>	<u>\$850.00</u>

**Rentals Tremont Street Property**

Balance from 1920 . . . . .		\$32.00
Received from Sundry Individuals . . . . .		176.00
Balance to Excess and Deficiency . . . . .	\$208.00	
	<u>\$208.00</u>	<u>\$208.00</u>

**Bronze Tablet in G. A. R. Hall**

Balance from 1920 . . . . .		\$500.00
No Expenditures:		
Balance to 1922 . . . . .	\$500.00	
	<u>\$500.00</u>	<u>\$500.00</u>

**Melrose Safety Council**

Transfer Order No. 13438 . . . . .		\$25.00
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Expended:

Bills Paid . . . . .	\$16.41	
Balance to Excess and Deficiency . . . . .	8.59	
	<hr/>	<hr/>
	\$25.00	\$25.00

**Water Division, Maintenance**

(For details see report of Engineer and Superintendent Public Works)

Appropriation . . . . .	\$20,000.00
Received from Sundry Sources . . . . .	46.55

Expended:

Pay Rolls and Bills Paid . . . . .	\$18,941.66	
Balance to Water Income . . . . .	1,104.89	
	<hr/>	<hr/>
	\$20,046.55	\$20,046.55

**Inside Service**

Balance from 1920 . . . . .	\$214.71
Cash Receipts, Estimates, etc. . . . .	4,060.67

Expended:

Pay Rolls and Bills Paid . . . . .	\$3,646.04	
Refunds of Estimates . . . . .	626.78	
Balance to 1922 . . . . .	2.56	
	<hr/>	<hr/>
	\$4,275.38	\$4,275.38

**Public Scales**

Cash Received (Fees) . . . . .	\$33.00
Transferred to Excess and Deficiency . . . . .	\$33.00
	<hr/>
	\$33.00
	<hr/>
	\$33.00

## Cemetery Department

(For details see report of Cemetery Committee)

## Maintenance

Appropriation . . . . .		\$12,800.00	
Charity Department Bill . . . . .		10.00	
Transfer Order No. 13489 . . . . .		1,800.00	
Expended:			
Pay Rolls and Bills . . . . .	\$14,607.57		
Balance to Excess and Deficiency . . . . .	2.43		
	\$14,610.00	\$14,610.00	

## Care of Soldiers' Graves

Appropriation . . . . .		\$200.00	
Expended:			
Pay Rolls . . . . .	\$200.00		
	\$200.00	\$200.00	

## Interest

Balance from 1920 . . . . .		\$2,041.35	
Appropriation . . . . .		45,000.00	
Received on Bank Deposits . . . . .		2,558.14	
Received on Taxes and Assessments . . . . .		14,038.98	
Accrued on Bonds and Notes Sold . . . . .		363.85	
Expended:			
On Revenue Loans . . . . .	\$20,841.59		
On Municipal Loans . . . . .	8,492.36		
On School House Loans (Coupons) . . . . .	2,730.00		
On Sewer Loans (Coupons) . . . . .	15,881.25		
On Surface Drainage Loans (Coupons) . . . . .	7,976.25		
On Auditorium Loans (Coupons) . . . . .	880.00		
On Park Loans (Coupons) . . . . .	250.00		
On Toothaker Fund . . . . .	118.84		
Balance to 1922 . . . . .	6,832.03		
	\$64,002.32	\$64,002.32	

AGENCY, TRUST AND INVESTMENT TRANSACTIONS

Agency

Guarantee Deposits:

Certified Checks . . . . .		\$150.00
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Expended:

Checks returned . . . . .	\$150.00	
	<hr/>	<hr/>
	\$150.00	\$150.00

Taxes

State . . . . .		\$57,174.00
County . . . . .		31,197.18
Metropolitan Sewer . . . . .		23,447.16
Metropolitan Park . . . . .		13,576.76
Charles River Basin . . . . .		2,254.37
State Highway . . . . .		545.34
Fire Prevention . . . . .		182.54
Eastern Mass. Street Railway . . . . .		541.78
War Bonus . . . . .		13,983.00

Expended:

Paid County Treasurer . . . . .	\$31,197.18	
Paid State Treasurer . . . . .	111,704.95	
	<hr/>	<hr/>
	\$142,902.13	\$142,902.13

Trusts

Sarah E. Fitch School Fund:

Balance from 1920 . . . . .		\$87.80
Interest for 1921 . . . . .		30.00
Balance to 1922 . . . . .	\$117.80	
	<hr/>	<hr/>
	\$117.80	\$117.80

Levi S. Gould School Medal Fund:

Balance from 1920 . . . . .		\$122.27
Interest for 1921 . . . . .		42.50
Balance to 1922 . . . . .	\$164.77	
	<hr/>	<hr/>
	\$164.77	\$164.77

## N. F. Hesseltine Fund for Promotion of

## Interest in Wild Animals:

Balance from 1920.....		\$5.97
Interest for 1921.....		4.25

## Expended:

Bills Paid.....	\$5.00	
Balance to 1922.....	5.22	
	<hr/>	
	\$10.22	\$10.22

## NON-REVENUE

## Loans Authorized

Order No. 12021	Appleton Street.....	\$3,900.00
11357-B	Orient Park.....	1,540.00
13013	Surface Drainage Construction.....	10,000.00
13114	Sewer Construction.....	10,000.00
11009-F	Rogers Street.....	12,000.00
13302	Water Construction.....	10,000.00
13352	Surface Drainage Construction.....	10,000.00
9659-B	Warwick Road.....	18,000.00
13401	Surface Drainage Construction.....	10,000.00
13402	Water Construction.....	10,000.00
13488	Purchase School Land—11th Street..	400.00
13493	Purchase Motor Truck.....	1,850.00
		<hr/>
		\$97,690.00
Loans Issued.....		95,440.00
		<hr/>
		\$2,250.00

## SEWER DIVISION—Private Sewers

(For details see report of Engineer and Superintendent Public Works)

Balance from 1920.....	\$335.24
Cash received (Estimates, etc.).....	6,223.72

## Expended:

Fay Rolls and Transfer Bills.....	\$4,362.67	
Refunded from Estimates.....	1,592.28	
Balance to 1922.....	604.01	
	<hr/>	
	\$6,558.96	\$6,558.96



**Sewer Division—Construction**

(For details see report of Engineer and Superintendent Public Works)

Balance from 1920 . . . . .		\$598.43	
Loans Authorized . . . . .		10,000.00	
Cash . . . . .		32.72	
Expended:			
Pay Rolls, Bills, and Transfer Bills . . . . .	\$3,969.43		
Balance to 1922 . . . . .	6,661.72		
	\$10,631.15		\$10,631.15

**Surface Drainage Construction**

(For details see report of Engineer and Superintendent of Public Works)

Balance from 1920 . . . . .		\$353.03	
Loans Authorized . . . . .		30,000.00	
Cash . . . . .		39.71	
Expended:			
Pay Rolls, Bills, and Transfer Bills . . . . .	\$27,080.70		
Balance to 1922 . . . . .	3,312.04		
	\$30,392.74		\$30,392.74

**Highways**

(For details see report of Engineer and Superintendent Public Works)

Balance from 1920 . . . . .		\$13,469.05	
Expended:			
Pay Rolls, Bills, and Transfer Bills . . . . .	\$10,749.49		
Balance to 1922 . . . . .	2,719.56		
	\$13,469.05		\$13,469.05

**Laying Crosswalks and Gutters**

Balance from 1920 . . . . .		\$2,946.80	
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## Expended:

Pay Rolls, Bills, and Transfer Bills . . . . .	\$1,413.58	
Balance to 1922 . . . . .	1,533.22	
	<hr/>	<hr/>
	\$2,946.80	\$2,946.80

**Rounding Corner Main and Essex Streets**

Balance from 1920 . . . . .		\$21.92
Transfer Order No. 13470 . . . . .	\$21.92	
	<hr/>	<hr/>
	\$21.92	\$21.92

**Main Street Paving**

Balance from 1920 . . . . .		\$1,825.32
Transfer Order No. 13186 . . . . .	\$790.00	
Balance to 1922 . . . . .	1,125.32	
	<hr/>	<hr/>
	\$1,825.32	\$1,825.32

**Warwick Road Construction**

Balance from 1920 . . . . .		\$272.75
Transfer Order No. 13186 . . . . .	\$272.75	

**Argyle Street Extension**

Balance from 1920 . . . . .		\$47.64
Transfer Order No. 13186 . . . . .	\$47.64	

**Malvern Street Macadam**

Balance from 1920 . . . . .		\$339.70
Transfer Order No. 13186 . . . . .	\$339.70	

**Pleasant Street Macadam**

Balance from 1920 . . . . .		\$63.70
Transfer Order No. 13329 . . . . .	\$63.70	

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Pleasant Street Improvement

Balance from 1920 . . . . .		\$958.68
Transfer Order No. 13329 . . . . .	\$958.68	

Hopkins Street Construction

Balance from 1920 . . . . .		\$83.20
Transfer Order No. 13186 . . . . .	\$83.20	

Mrytle Street Macadam

Balance from 1920 . . . . .		\$16.45
Transfer Order No. 13186 . . . . .	\$16.45	

Folsom Avenue Construction

Balance from 1920 . . . . .		\$134.23
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Expended:

Pay Rolls, Bills, and Transfer Bills . . . . .	\$134.23	
	<hr/>	<hr/>
	\$134.23	\$134.23

Linwood Avenue Macadam

Balance from 1920 . . . . .		\$7.89
Transfer Order No. 13470 . . . . .	\$7.89	
	<hr/>	<hr/>
	\$7.89	\$7.89

Geneva Road Cgnstruction

Balance from 1920 . . . . .		\$53.86
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Expended:

Bills Paid . . . . .	\$53.86	
	<hr/>	<hr/>
	\$53.86	\$53.86

## East Foster Street Macadam

Balance from 1920 . . . . .		\$8,600.00
Expended:		
Pay Rolls, Bills, and Transfer Bills . . . . .	\$6,408.47	
Transfer Order No. 13470 . . . . .	2,191.53	
	<hr/>	<hr/>
	\$8,600.00	\$8,600.00

## Garden Street Construction

Balance from 1920 . . . . .		\$347.36
Transfer Order No. 13186 . . . . .	\$347.36	
	<hr/>	<hr/>
	\$347.36	\$347.36

## Sanford Street Construction

Balance from 1920 . . . . .		\$238.17
Transfer Order No. 13329 . . . . .		1,022.38
Expended:		
Pay Rolls and Bills . . . . .	\$1,047.86	
Transfer Order No. 13470 . . . . .	212.69	
	<hr/>	<hr/>
	\$1,260.55	\$1,260.55

## Rounding Corner Main and Porter Streets

Balance from 1920 . . . . .		\$320.32
Expended:		
Bills Paid . . . . .	\$57.00	
Balance to 1922 . . . . .	263.32	
	<hr/>	<hr/>
	\$320.32	\$320.32

## Sears Avenue Construction

Balance from 1920 . . . . .		\$1,523.36
Transfer Order No. 13186 . . . . .		1,807.10

Expended:

Pay Rolls, Bills, and Transfer Bills . . . . .	\$2,598.21	
Awards . . . . .	724.75	
Balance to 1922 . . . . .	7.50	
	<hr/>	<hr/>
	\$3,330.46	\$3,330.46

**Orient Place Construction**

Balance from 1920 . . . . .	\$1,500.00
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Expended:

Pay Rolls, Bills, and Transfer Bills . . . . .	\$1,455.55	
Balance to 1922 . . . . .	44.45	
	<hr/>	<hr/>
	\$1,500.00	\$1,500.00

**Waverly Place Construction**

Balance from 1920 . . . . .	\$11,000.00
-----------------------------	-------------

Expended:

Pay Rolls, Bills, and Transfer Bills . . . . .	\$8,559.36	
Balance to 1922 . . . . .	2,440.64	
	<hr/>	<hr/>
	\$11,000.00	\$11,000.00

**Appleton Street Macadam**

Loan Order No. 12021 . . . . .	\$3,900.00
--------------------------------	------------

Expended:

Pay Rolls, Bills, and Transfer Bills . . . . .	\$1,795.01	
Balance to 1922 . . . . .	2,104.99	
	<hr/>	<hr/>
	\$3,900.00	\$3,900.00

**Orient Park Construction**

Loan Order No. 11357-B . . . . .	\$1,540.00
Transfer Order No. 13560-A . . . . .	89.63

## Expended:

Pay Rolls, Bills, and Transfer Bills . . . . .	\$1,629.63	
	<u>1,629.63</u>	<u>\$1,629.63</u>

**Rogers Street Construction**

Loan Order No. 11009-F . . . . .		\$12,000.00
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## Expended:

Pay Rolls, Bills, and Transfer Bills . . . . .	\$5,937.16	
Balance to 1922 . . . . .	6,062.84	
	<u>12,000.00</u>	<u>\$12,000.00</u>

**Warwick Road Construction**

Loan Order No. 9659-B . . . . .		\$18,000.00
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## Expended:

Pay Rolls, Bills, and Transfer Bills . . . . .	\$5,429.30	
Balance to 1922 . . . . .	12,570.70	
	<u>18,000.00</u>	<u>\$18,000.00</u>

**School Department**

Purchase of Land adjoining Winthrop School, Loan Order No. 13488 . . . . .		\$400.00
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## Expended:

Bill Paid . . . . .	\$400.00	
	<u>400.00</u>	<u>\$400.00</u>

**Water Division Construction**

(For details see report of Engineer and Superintendent of Public Works)

Balance from 1920 . . . . .		\$4,295.40
Loan Authorized . . . . .		20,000.00



Expended:

Pay Rolls, Bills, and Transfer Bills . . . . .	\$22,914.68	
Balance to 1922 . . . . .	1,380.72	
	<hr/>	<hr/>
	\$24,295.40	\$24,295.40

**Pay Roll Tailings**

Balance from 1920 . . . . .		\$541.80
Additional, 1921 . . . . .		39.41
Balance to 1922 . . . . .	\$581.21	
	<hr/>	<hr/>
	\$581.21	\$581.21

**Reserve Fund (15%)**

Balance from 1920 . . . . .		\$145.40
Expended:		
Bills Paid . . . . .	\$145.40	
	<hr/>	<hr/>
	\$145.40	\$145.40

**PREMIUM FUNDS**

**Water Loan**

Balance from 1920 . . . . .		\$31.65
Cash received . . . . .		108.50
Balance to 1922 . . . . .	\$140.15	
	<hr/>	<hr/>
	\$140.15	\$140.15

**Sewer Loan**

Balance from 1920 . . . . .		\$7.50
Cash received . . . . .		19.00
Balance to 1922 . . . . .	\$26.50	
	<hr/>	<hr/>
	\$26.50	\$26.50

## CITY OF MELROSE

## Surface Drainage Loan

Balance from 1920 . . . . .		\$7. 50
Cash received . . . . .		108. 50
Balance to 1922 . . . . .	\$116. 00	
	<hr/>	<hr/>
	\$116. 00	\$116. 00

## Municipal Loan

Balance from 1920 . . . . .		\$414. 67
Cash received . . . . .		188. 50
Balance to 1922 . . . . .	\$603. 17	
	<hr/>	<hr/>
	\$603. 17	\$603. 17

## SINKING FUNDS

## Sewer Loan Sinking Fund

Balance from 1920 . . . . .	\$267,792. 29
Assessments Collected . . . . .	2,467. 55
Interest on Investments . . . . .	11,157. 57
Gain on Bonds bought . . . . .	1,046. 60

## Payments:

Interest Accrued on Bonds bought . . . .		\$178. 93
Expenses . . . . .		16. 00
Balance to 1922 . . . . .		282,269. 08
	<hr/>	<hr/>
	\$282,464. 01	\$282,464. 01

## Surface Drainage Loan Sinking Fund

Balance from 1920 . . . . .	\$58,154. 85
Appropriation . . . . .	2,502. 71
Interest on Investments . . . . .	2,458. 60
Gain on Bonds bought . . . . .	298. 00

## Payments:

Interest Accrued on Bonds bought.....		\$67.05
Expenses.....		4.50
Balance to 1922.....		63,342.61
	<hr/>	
	\$63,414.16	\$63,414.16

**School House Loan Sinking Fund**

Balance from 1920.....	\$32,529.73
Appropriation.....	2,992.56
Interest on Investments.....	1,371.33
Gain on Bonds bought.....	127.10

## Payments:

Interest Accrued on Bonds bought.....		\$36.89
Expenses.....		3.50
Balance to 1922.....		36,980.33
	<hr/>	
	\$37,020.72	\$37,020.72

**Water Loan Sinking Fund**

Balance from 1920.....	\$48,092.31
Interest on Investments.....	2,008.08
Gain on Bonds bought.....	176.20

## Payments:

Interest Accrued on Bonds bought.....		\$32.68
Expenses.....		4.00
Balance to 1922.....		50,239.91
	<hr/>	
	\$50,276.59	\$50,276.59

**Trust Funds**

## Cemetery (Perpetual Care):

Balance from 1920.....	\$66,835.25
Received for Care of Lots.....	6,020.00
Received for Care of Single Graves.....	690.00
	<hr/>
Balance to 1922.....	\$73,545.25

## SCHEDULE OF CITY PROPERTY

**Fire Department:**

Central Fire Station.....	\$20,000.00	
Hose No. 3, Building and Land.....	4,275.00	
Hose No. 4, Building and Land.....	2,350.00	
Personal Property.....	41,095.00	
Fire Alarm System.....	16,250.00	
	<hr/>	\$83,970.00

**Health Department:**

Personal Property.....		\$100.00
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**Police Department:**

Personal Property.....	\$7,715.25	
Police Signal System.....	5,398.80	
	<hr/>	\$13,114.05

**Park Department:**

Land and Buildings.....	\$87,075.00	
Personal Property.....	1,300.00	
	<hr/>	\$88,375.00

**Cemetery Department:**

Land and Buildings.....	\$36,100.00	
Personal Property.....	404.00	
Water System.....	900.00	
	<hr/>	\$37,404.00

**School Department:**

Buildings and Land.....	\$430,396.00	
Heating Apparatus.....	21,509.00	
Personal Property.....	48,293.00	
	<hr/>	\$500,198.00

**Public Library:**

Buildings and Land.....	\$40,600.00	
Personal Property.....	61,000.00	
	<hr/>	\$101,600.00

**Forestry Department:**

Personal Property.....		\$1,270.25
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Sealer of Weights and Measures:

Personal Property . . . . . \$613.45

Public Works Department:

City Hall, Building, and Land . . . . . \$142,400.00  
 Personal Property . . . . . 10,000.00  


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 \$152,400.00

Auditorium:

Building, Land and Personal Property . . . . . \$180,450.00

Highway Division:

Land . . . . . \$12,000.00  
 Crusher Plant . . . . . 4,800.00  
 Personal Property . . . . . 12,000.00  


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 \$28,800.00

Sewerage System:

Cost of Construction Dec. 31, 1920 . . . . . \$512,002.97  
 Additional, 1921 . . . . . 7,013.93  


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 \$519,016.90

Surface Drainage System:

Cost of Construction Dec. 31, 1920 . . . . . \$246,283.86  
 Additional, 1921 . . . . . 27,080.70  


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 \$273,364.56

Water System:

Cost of Construction Dec. 31, 1920 . . . . . \$514,464.37  
 Additional, 1921 . . . . . 20,237.65  


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 \$534,702.02

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 \$2,515,378.23

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