Council Chamber, Ann Arbor, Mich., Regular session. Jan. 18, 1915.

Meeting called to order by the president. Present: Ald. Fiegel. Heusel, A. Lutz, Hanselmann, Koernke, Prochnow Flynn, Markey, Hubbard, Sherk, Groves, McGregor, Pres. Schmid, Sink. G. Lutz, -bsent, none.

Minutes of previous meeting approved.

Communications.

From the Mayor-

To the Honorable, the Common Council of the City of Ann Arbor: Gentlemen-I hereby notify you that I have this day revoked the license heretofore granted to Leo Peters to conduct a billiard and pool room at 122 E. Huron street. My reason for revoking the license is that gambling has been permitted in the place. Small boys have been allowed to bring intoxicants into the place and come intoxicated, and he has generally catered to the trade of minor boys. On last Saturday night a fight occurred in the place and a young man was severely injured. The officers have been called to the place on several occasions.

I feel certain that you will agree with me that Ann Arbor is not in

need of a place so conducted. Very truly yours, R. G. MacKenzie, Mayor.

Dated January 18th, 1915.

Ordered on file.

From Board of Public Works-

The Engineer asked for more pay. Moved by Mr. Reule, that the board recommend to the council that the \$150.00 per salary of engineer be month, commencing with month of February, 1915. Adopted by board.

(Council action.)

Moved by Ald. G. Lutz, that the recommendation of the board of pub-Adopted lic works be concurred in. by unanimous vote of those present,

(From Board of Public Works.)

Moved by Mr. Rehberg, that Alfred J. Paul be employed as Street Commissioner for the city, to commence Adopted by February 1st, 1915. Moved by Mr. Rehberg, that the salary of Street Commissioner be placed at \$125.00 per month. Adopted by board.

(Council action.)

Moved by Ald. Fiegel, that action of the board of public works be concurred in. Adopted by unanimous vote of council, 15.
(From Water Works Department.)

Ann Arbor, Mich., Dec. 22, 1914.

To the Honorable Common Council of the City of Ann Arbor, Mich.: Gentlemen-The following resolution was offered by Mr. Lindenschmitt, and supported by Mr. Cornwell, that commencing Jan. 1st, 1915, the salaries of the following persons shall be as follows: Geo. S. Vandawark-

er, Mngr.\$2,200.00 per year R. Spokes, Supt.... 2,000.00 per year C. Shetterly, Cashier 1,000.00 per year A. E. Hawkes, In-

spector 950.00 per year

Louise Malloy, Asst.

Cashier 60.00 per mo. Ayes-Mann, Lindenschmitt Cornwell.

Water Works Department of the City

of Ann Arbor. By Geo. S. Vanda-warker, Manager. Moved by Ald. Prochnow, be consurred in. Adopted by unanimous vote of council, 15.

(From Health Officer.)

Ann Arbor, Mich., Jan. 12th, 1915. To the Honorable Common Council: Gentlemen-In 1907 the salary of the Health Officer of the City of Ann Arbor was raised by your honorable body to \$600.00 per annum. Since that time the work has quadrupled so that at the present time I am obliged to make from four to six calls per day to investigate matters that the health officer must see, if the work is properly done. To meet this I have put in extra equipment, in the way of conveyance, so that I can travel faster and with greater certainty. Even with all this I am obliged to sacrifice some of my private practice. I do not feel that I should longer for the city at a loss to myself. I therefore ask your honorable body to raise the salary of your health officer to \$1,200.00 per annum. Sincerely yours, John A. Wessinger, M. D., Health Officer. Moved by Ald. Markey, that the

communication from Health Officer be referred to the special charter Adopted. committee.

Ann Arbor, Mich., Jan. 14, 1915. To the Common Council of the City of Ann Arbor: In accordance with your request, I submit for your consideration the following proposition:

I am serving for the third year as bacteriologist and chemist to the Board of Health. You will note that the duties have been steadily increasing, to the extent that the work of the past year increased 100 per cent. over that of the preceding year. For the year 1914 the compensa-

tion for the above services amounted to \$773.00, or about \$65.00 per mo. These charges were based on the regularly accepted standard prices charged for bacteriological work of the above nature.

Now instead of the generally unsatisfactory piece work method I am asked to offer my services at a Owing to the better straight salary. Board of equipped laboratory the Health has recently been provided with, and the other advantages derived from the later methods, I will agree to do the work under the direction of the City Health Officer, which service includes all bacteriological examinations and chemical analyses which the Health Officer sees fit to work out. This service I will give to the expiration of his term of office for \$50.00 per mo.

Very truly yours, U. G. Rickert, Chemist.

Moved by Ald. Groves, that communication be referred to the finance

committee. Adopted.

Communications and petitions from Zion Lutheran Congregation, First Presbyterian Church, Baptist Church Young People's Guild, The Federation of Ministers, The First Baptist Church, The Woman's Christian Temperance Union, The Wesleyan Guild, representing the Young People of the Methodist Episcopal Church, Mothers, Sisters and Wives (43); H. F. Smith, et al. (54); George W. Sample, et al. (34); L. D. Wines, et al. (37), requesting the members of the common council to pass the ordinance prohibiting the opening of the theaters on Sunday, received and ordered on file.

Petitions.

Of Albert Benz, et al., asking that Sprinkling District No. 11 be discontinued, received.

Moved by Ald. Groves, that it be referred to street committee. Adopted by unanimous vote of council.

Committee Reports. FINANCIAL REPORT Fire Fund,

Chas. J. Andrews, salary\$	50.00
Eugene Williams, salary	38.50
George Hoelzle, salary	38.50
Ralph Edwards, salary	38.50
Henry McLaren, salary	36.50
Jacob Gwinner, salary	36.50
Arthur Clark, salary	35.00
Harley Wise, salary	35.00
Martin Noll, salary	35.00
George Isbel, salary	35.00
Mat Heininger, salary	35.00
Frank Markey, salary	35.00
Thomas Shamp, salary	35.00
Clyde Carpenter, salary	35.00

Mich.

Harold Darling, salary	30.00
Herman Krause, salary	30.00
Ed. Kleinschmidt, salary	30.00
Fred Horton, salary Chas. Carroll, salary	30.00
Chas. Carroll, salary	23.00
Frank Kapp, salary	23.00
Total salaries for 1-2 month of	201 -2
Jan \$	684.50
Police Fund.	
John T. Kenny, salary\$	41.66
Thos. O'Brien, salary	40.00
Wm. J. Aprill, salary	35.00
Gustave Meyer, salary Rex Burnett, salary Ruben Armbruster, salary Ruben Armbruster, salary	35.00
Rex Burnett, salary	35.00
Ruben Armbruster, salary	35.00
Edward Mulli, Salary	00.00
Wm. Blackburn, salary	25 00
Edward Blumhardt, salary Frank J. Keihl, salary	35.00
Frank J. Reini, Salary	34.00
Total salaries for 1-2 month of	1268
Jan \$	250 16
	000.10
Contingent Fund.	00 00
M. C. Ryan, salary 1-2 month\$ Washtenaw Gas Co., city hall and	30.00
washtenaw Gas Co., city hall and	01 12
garage	21.45
Mich. State Telephone Co., rentals	10 70
and tolls	40.78
The Boyer-Campbell Co., supplies	3.19
The Brown Drug Store, supplies	7.50
Cousins & Hall, supplies	2.25
Eberbach & Son Co., supplies	7.09
The Mayer-Schairer Co., supplies	2.35
Geo. W. Weeks, wood, election	3.75
W. C. Russell labor	17.00
F. E. Williams, labor	18.45
Davis & Ohlinger, printing	17.50
Washtanam Dost printing	
Washtenaw Post, printing	3.64
The Times News Co., printing	
The Times News Co., printing	3.64 201.60
Total supplies, etc	3.64 201.60
Total supplies, etc	$ \begin{array}{r} 3.64 \\ 201.60 \\ \hline 346.55 \end{array} $
Total supplies, etc	$ \begin{array}{r} 3.64 \\ 201.60 \\ \hline 346.55 \end{array} $
Total supplies, etc	3.64 201.60 346.55 376.55
Total supplies, etc	3.64 201.60 346.55 376.55
Total supplies, etc\$ Contingent fund total, including salary\$ Police Fund Harvey Stofflet, subscriptions\$	3.64 201.60 346.55 376.55 8.50
Total supplies, etc	3.64 201.60 346.55 376.55 8.50 3.25
Total supplies, etc\$ Contingent fund total, including salary\$ Police Fund Harvey Stofflet, subscriptions\$ City Garage, labor and supplies. Total supplies, etc\$	3.64 201.60 346.55 376.55 8.50 3.25
Total supplies, etc	3.64 201.60 346.55 376.55 8.50 3.25 11.75
Total supplies, etc	3.64 201.60 346.55 376.55 8.50 3.25 11.75
Total supplies, etc	3.64 201.60 346.55 376.55 8.50 3.25 11.75 370.91
Total supplies, etc	3.64 201.60 346.55 376.55 8.50 3.25 11.75 370.91
Total supplies, etc	3.64 201.60 346.55 376.55 8.50 3.25 11.75 370.91 3.00
Total supplies, etc	3.64 201.60 346.55 376.55 8.50 3.25 11.75 3.00 37.50
Total supplies, etc	3.64 201.60 346.55 376.55 8.50 3.25 11.75 3.00 37.50 37.50
Total supplies, etc	3.64 201.60 346.55 376.55 8.50 3.25 11.75 3.00 37.50
Total supplies, etc	3.64 201.60 346.55 376.55 8.50 3.25 11.75 3.00 37.50 37.50
Total supplies, etc	3.64 201.60 346.55 376.55 8.50 3.25 11.75 3.00 37.50 37.50 37.50
Total supplies, etc	3.64 201.60 346.55 376.55 8.50 3.25 11.75 370.91 3.00 37.50 37.50 37.50 30.00 30.00 20.00
Total supplies, etc	3.64 201.60 346.55 376.55 8.50 3.25 11.75 3.00 37.50 37.50 37.50 30.00 30.00 20.00 10.00
Total supplies, etc	3.64 201.60 346.55 376.55 8.50 3.25 11.75 370.91 3.00 37.50 37.50 30.00 30.00 20.00 10.00 32.50
Total supplies, etc	3.64 201.60 346.55 376.55 8.50 3.25 11.75 370.91 3.00 37.50 37.50 30.00 30.00 20.00 10.00 32.50 30.00
Total supplies, etc	3.64 201.60 346.55 376.55 8.50 3.25 11.75 370.91 37.50 37.50 37.50 30.00 20.00 10.00 32.50 30.00 30.00
Total supplies, etc	3.64 201.60 346.55 376.55 8.50 3.25 11.75 370.91 37.50 37.50 37.50 30.00 30.00 10.00 32.50 30.00 39.60
Total supplies, etc	3.64 201.60 346.55 376.55 8.50 3.25 11.75 370.91 37.50 37.50 37.50 37.50 30.00 30.00 30.00 32.50 30.00 39.60 41.59
Total supplies, etc	3.64 201.60 346.55 376.55 8.50 3.25 11.75 370.91 37.50 37.50 37.50 30.00 30.00 10.00 32.50 30.00 39.60
Total supplies, etc	3.64 201.60 346.55 376.55 8.50 3.25 11.75 370.91 3.00 37.50 37.50 37.50 30.00 20.00 10.00 32.50 30.00 30 30.00 30 30 30 30 30 30 30 30 30 30 30 30 3
Total supplies, etc	3.64 201.60 346.55 376.55 8.50 3.25 11.75 370.91 3.00 37.50 37.50 37.50 30.00 20.00 10.00 32.50 30.00 30 30.00 30 30 30 30 30 30 30 30 30 30 30 30 3
Total supplies, etc	3.64 201.60 346.55 376.55 8.50 3.25 11.75 370.91 3.00 37.50 37.50 30.00 20.00 10.00 32.50 30.00 39.60 41.50 30.00
Total supplies, etc	3.64 201.60 346.55 376.55 8.50 3.25 11.75 370.91 3.00 37.50 37.50 37.50 30.00 20.00 10.00 32.50 30.00 30 30.00 30 30 30 30 30 30 30 30 30 30 30 30 3
Total supplies, etc	3.64 201.60 346.55 376.55 8.50 3.25 11.75 370.91 3.00 37.50 37.50 30.00

State Telephone Co., tele-

34.50

phones	01.00
Jno. Fischer Co., supplies	2.77
Staebler & Co., supplies	2.53
Staebler & Co., supplies Mich. Central R. R. Co., freight	159.28
Ann Arbor Garage, supplies	2.20
Jno. J. Sauer, supplies	35.82
Crane Co., supplies	51.15
George Wahr, supplies	8.10
omo & Mich. Coal Co., supplies	163.51
J. T. Wing & Co., supplies	19.45
Total supplies, etc	542 35
F. Rhodenbecker, labor	8 90
L. Hazelschwerdt, labor	5.00
Total labor\$	13.98
Water Works fund total	962.50
Street Fund	
John Dalgliest labor	3 .75
G J Mack labor	12.89
James Mason, labor	9.00
Ernest Rapp labor	0 00
	2.88
W. H. Romig labor	.75
W. H. Romig labor	$.75 \\ .50$
James Mason, labor Ernest Rapp labor W. H. Romig labor Geo. Schaible labor E. Schlanderer labor	.75 $.50$ 2.75
E. Schlanderer labor	$.75 \\ .50$
W. H. Romig labor Geo. Schaible labor E. Schlanderer labor Fred Ulrich, labor Joe Youngbauer, labor	.75 $.50$ 2.75
Fred Ulrich, labor	$ \begin{array}{r} .75 \\ .50 \\ 2.75 \\ 21.34 \\ 1.00 \end{array} $
F. Schlanderer labor Fred Ulrich, labor Joe Youngbauer, labor Street fund total	$ \begin{array}{r} .75 \\ .50 \\ 2.75 \\ 21.34 \\ 1.00 \end{array} $
F. Schlanderer labor Fred Ulrich, labor Joe Youngbauer, labor Street fund total Recapitulation	$\begin{array}{r} .75 \\ .50 \\ 2.75 \\ 21.34 \\ 1.00 \\ \hline \$51.85 \end{array}$
E. Schlanderer labor Fred Ulrich, labor Joe Youngbauer, labor Street fund total Recapitulation Contingent fund\$.75 .50 2.75 21.34 1.00 \$51.85
E. Schlanderer labor Fred Ulrich, labor Joe Youngbauer, labor Street fund total Recapitulation Contingent fund\$.75 .50 2.75 21.34 1.00 \$51.85 376.57 684.50
E. Schlanderer labor Fred Ulrich, labor Joe Youngbauer, labor Street fund total Recapitulation Contingent fund Fire Police	.75 .50 2.75 21.34 1.00 \$51.85 376.57 684.50 370.97
E. Schlanderer labor Fred Ulrich, labor Joe Youngbauer, labor Street fund total Recapitulation Contingent fund \$ Fire Police Dog License	.75 .50 2.75 21.34 1.00 \$51.85 376.55 684.50 370.95
E. Schlanderer labor Fred Ulrich, labor Joe Youngbauer, labor Street fund total Recapitulation Contingent fund Fire Police	.75 .50 2.75 21.34 1.00 \$51.85 376.57 684.50 370.97

.....\$2,449.31 Ann Arbor, Mich., Jan. 18, 1915. Total

To the Finance Committee of the Common Council: Gentlemen—I have examined the foregoing accounts against the city of Ann Arbor, and I hereby certify that they are correct to the best of my knowledge.

ROSS GRANGER, City Clerk.
To the Honorable, the Common Council: Gentlemen-Your Finance committee has reviewed the foregoing report. Warrants for salaries were drawn Jan. 16, 1915. We recommend that same be approved and that warrants be ordered drawn for the foregoing accounts.

GEO. LUTZ, E. W. GROVES, ALBERT FIEGEL, Finance Committee.

Ald. G. Lutz moved the adoption of the report, which was adopted by unanimous vote of the council, 15.

Ald. G. Lutz presented the follow-

ing bill:

The City of Ann Arbor to Robert Martin, Dr., To damage done to seed corn and other farm products by squirrels, \$10.00.

The undersigned submits the foregoing for allowance by the Common Robert Martin. Council.

Dated January 4th, 1915.

Ald. G. Lutz moved that bill be not allowed, which was adopted by unanimous vote of council, 15.

Ordinance Committee.

Ald. Sink presented the following ordinance which was given its third reading:

AN ORDINANCE TO PROHIBIT AND PUNISH THE OPERATING OF THEATERS AND SHOWS, FOR WHICH AN ADMISSION FEE IS CHARGED, IN VIOLATION THE SABBATH, WITHIN THE LIMITS OF THE CITY OF ANN ARBOR, MICHIGAN.

The Common Council of the City of

Ann Arbor ordain:

Section 1. No owner, proprietor or lessee of any theater, or opera house, located within the limits of the City of Ann Arbor, Michigan, shall put on or conduct any performance, motion picture show or other theatrical exhibition or amusement for which an admission fee shall be charged, upon the first day of the week commonly called Sunday.

Section 2. Any person violating any of the provisions of this ordinance upon conviction thereof be punished by a fine not to exceed one hundred dollars for the first offense, and in imposing such fine the Court may make a further sentence that in default of the payment of such fine the offender may be confined in the county jail of Washtenaw County until the payment thereof, for period not exceeding thirty days, and upon a second conviction for a violation of the provisions of this ordinance a like fine may be imposed, and in addition thereto the person so convicted shall forfeit his license to conduct a theater within the City of Ann Arbor.

Section 3. All ordinances or parts of ordinances inconsistent herewith are hereby repeated.

Section 4. This ordinance shall take effect and be in force from and after ten days from legal publication.

The Chair put the question, "Shali

this ordinance pass?"

Passed by following vote: Yeas, Ald. Fiege', Heusel. Sherk, Groves, Gregor, Sink, G. Lutz, Pres. Schmid. Nays, Ald. A. Lutz, Hanselmann. Koernke, Prochnew, Flynn, Markey, Hubbard, 7.

Water Committee.

To the Council: Gentlemen-Your water committee, to whom the proposal of Mr. Fred Weinberg to furnish water for fountain and maintain same at South Fifth ave. for \$20.09 per year, was referred, recommend that offer be accepted.

Thos. Hanselmann, Wm. P. Flynn,

Water Committee.

Ald. Hanselmann moved the adop-

tion of the report.

Adopted as follows: Yeas Ald. Fiegel, Heusel, A. Lutz, Hanselmann, Koernke, Prochnow, Flynn, Markey, Hubbard, Groves, McGregor, Sink, Pres. Schmid, 13. Nays, Ald. Sherk, G. Lutz, 2.

Bond Committee.

The official city bond of Alfred J. Paul, as street commissioner, with Frank I. Cornwell and William L. Dawson as sureties, was presented, and Ald. Sink moved that it be accepted. Adopted by unanimous vote, 15.

Special Charter Committee.

To the Honorable, the Common Council: Gentlemen—We, the undersigned members of your committee, to whem was referred the matter of the adoption of a commission form of government for our City, would re-

spectfully report:

That, upon making inquiries, we find that both the commission and managerial forms of government are varied, the systems are still so new and in many instances have not had a thorough trial, and our present form of government having given on the whole the best of satisfaction that for the present at least we would not recommend any change in the city's form of government.

Your committee would, however, recommend that the Council meet as a committee of the whole to consider the advisability of making certain minor changes in our present charter. Geo. Lutz, I. L. Sherk, Albert Fiegel

Theo. Prochnow, Special Charter Committee.

Ald. G. Lutz moved that report be accepted and adopted. Adopted by

unanimous vote of council, 15.

To the Honorable, the Common Council: Gentlemen—We, the undersigned members of the committee to whom was referred the advisability of presenting to the voters the proposition of electing by popular vote the members of the Water Works Com-

mission, beg leave to report:

That we believe the members of the Commission, and the mode by which they were elected, have given the very best of satisfaction to a very large majority of our citizens. We also believe that it is the only sane and safe way to keep these positions free from politics and that the people as a whole do not demand a change in the way by which the Commissioners are elected, and for these reasons we do

not recommend any change for the present.

Geo. Lutz, I. L. Sherk, Theo. Prochnow, Special Charter Committee.

Ald. G. Lutz moved that report be accepted and adopted. Adopted by unanimous vote of council, 15.

Officers' Reports.

CITY FUNDS—Treasurer's Report for Month Ending Dec., 1914:

Money Received—
Contingent Fund—
Transient traders' tax \$ 2.23
Milk license
Scale moley 8.00
Rent. 2nd Ward bldg 5 00
Skating rink license 24.50
Peddler's license 2.50
Peddler's license
Sale of paper
Dray license 1.50 Int. on bank balance 214.96
Fees on Taxes Col
Total
Police Fund—
City fees (Chief)\$ 19.85
City fines (Doty) 114.00
Total \$133.85 Sprinkling Districts— Sprinkling District No. 11 \$92.75 Sprinkling District No. 12 68.02 Sprinkling District No. 13 59.27 Sprinkling District No. 14 38.24 Sprinkling District No. 15 25.74 City Tax Fund— Taxes collected \$17,801.97
Total \$133.85
Sprinkling Districts-
Sprinkling District No. 11\$ 92.75
Sprinkling District No. 12 68.02
Sprinkling District No. 15 59.21
Sprinkling District No. 17 95.24
City Tax Fund—
Taxes collected
State Tax Fund— Taxes collected
Taxes collected 29,189.56
County Tax Fund— Taxes collected
Taxes collected 14,530.33
School Tax Fund-
Taxes collected
Taxes collected
Water Works Fund—
Received from Mgr. Vandawalker 3,710.68
Dog License Fund—
Dog License Fund— Dog licenses sold
Burial permits 6.00
Poor Fund
Coal sold 6.20
Street Fund—
Repairing pavement, alley
Driveways paid, pav. No. 30 37.68
Driveways paid, pav. No. 30 37.68 Received fr. Titus Hutzel alley
pavement 82.77
Total \$131.09
Total
On hand Dec. 1, 1914 3,888.95
Matal 914= 000 00
Total
Warrants paid 25,887.40
On hand Jan. 1st. 1915 \$122,032 60
On hand Jan. 1st, 1915\$122,032,60 Condition of the City Funds on the first
day of Jan, 1915:
Warrants Daid

.....\$3,365.88

Warrants Paid-

Water works fund

State street repaying fund

Steere farm fund 104.51 Contingeent fund 5,017.85 City cemetery fund 53.75 Dog license fund 4.00 Fire department fund 1,759.48	Tax Acc. Sewer Dist. No. 53 9.22 Tax Acc. Sewer Dist. No. 56 37.88 Tax Acc. Sewer Dist. No. 60 118.03 Tax Acc. Sewer Dist. No. 63 231.29
Poor fund 80.28 Police fund 865.52 Street fund 1,142.10 Park fund 133.70 Street light fund 1,355.33 School tax fund 12,000.00	Total
Total \$25,887.40 On Hand— \$7,438.55 Water works fund \$7,438.55 Steere farm fund 601.59 Detention hospital fund 60.80 Contingent fund 254.7 City cemetery fund 450.84 twense fund 700.31 State dog tax fund 100.00	Warrants Paid— Labor Acc. Lateral Sewer No. 54\$ 53.44 Labor Acc. Lateral Sewer No. 58 8.34 Labor Acc. Lateral Sewer No. 65 225.71 Labor Acc. Lateral Sewer No. 66 362.98 Labor Acc. Lateral Sewer No. 67 554.08
State dog tax fund 100.00 Fire department fund 4,311.80 Poor fund 1,817.66 Police fund 4,711.16 Water fund 4,521.43 Park fund 714.10 Street light fund 5,453.25 Sidewalk fund 5.71	Total
Bridge culvert and crosswalk 274.83 fund 29,189.56 County tax fund 14,530.33 School tax fund 63,990.57 Rejected tax fund 171.76	Tax Acc. Lateral Sewer No. 44 188.64 Tax Acc. Lateral Sewer No. 45 237.68 Tax Acc. Lateral Sewer No. 46 414.05 Tax Acc. Lateral Sewer No. 47 414.55 Tax Acc. Lateral Sewer No. 48 165.73 Tax Acc. Lateral Sewer No. 51 68.78 Tax Acc. Lateral Sewer No. 52 41.14
Total	Tax Acc. Lateral Sewer No. 58 60.25 Tax Acc. Lateral Sewer No. 60 102.50 Tax Acc. Lateral Sewer No. 61 92.90 Tax Acc. Lateral Sewer No. 62 3.80 Tax Acc. Lateral Sewer No. 63 765.66 Labor Acc. Lateral Sewer No. 49 43.18
Street fund \$ 5,546.3° Sidewalk building fund 372.55 Uncollected city tax fund 6,202.81 Delinquent tax fund 4,148.32 Sprinkling District No. 11 217.81 Sprinkling District No. 12 134.27	Labor Acc. Lateral Sewer No. 52 55.28 Labor Acc. Lateral Sewer No. 53 889.15 Labor Acc. Lateral Sewer No. 56 449.24 Labor Acc. Lateral Sewer No. 60 60.27 Labor Acc. Lateral Sewer No. 63 781.13
Sprinkling District No. 13 99.09 Spirnkling District No. 14 74.81 Sprinkling District No. 15	Total\$5,791,59 Overdrawn
Warrants Outstanding— Water works fund \$ 167.31 Contingent fund \$58.48 Fire department fund \$0.00 Street fund 60 Park fund 60 SEWER FUNDS—Treasurer's Reeport for Month Ending Dec., 1914: Money Received— Tax of Sewer Districts—	Tax Acc. Lateral Sewer No. 33 58.68 Tax Acc. Lateral Sewer No. 34 1,463.02 Tax Acc. Lateral Sewer No. 36 264.75 Tax Acc. Lateral Sewer No. 37 176.55 Tax Acc. Lateral Sewer No. 38 163.40 Tax Acc. Lateral Sewer No. 39 494.90 Tax Acc. Lateral Sewer No. 40 524.04 Tax Acc. Lateral Sewer No. 50 21.60 Tax Acc. Lateral Sewer No. 53 409.70 Tax Acc. Lateral Sewer No. 54 158.61
Taxes Collected— Tax Acc. Sewer Dist. No. 32. \$ 20.79 Tax Acc. Sewer Dist. No. 34. 122.97 Tax Acc. Sewer Dist. No. 36. 16.24 Tax Acc. Sewer Dist. No. 38. 12.96 Tax Acc. Sewer Dist. No. 39. 14.49 Tax Acc. Sewer Dist. No. 40. 6.24 Tax Acc. Sewer Dist. No. 43. 4.92 Tax Acc. Sewer Dist. No. 46. 23.10 Tax Acc. Sewer Dist. No. 49. 20.04 Tax Acc. Sewer Dist. No. 50. 82.69 Tax Acc. Sewer Dist. No. 51. 6.62 Tax Acc. Sewer Dist. No. 52. 6.44	Tax Acc. Lateral Sewer No. 55 536.42 Tax Acc. Lateral Sewer No. 56 124.02 Tax Acc. Lateral Sewer No. 57 32.31 Tax Acc. Lateral Sewer No. 59 135.90 Labor Acc. Lateral Sewer No. 42 170.00 Labor Acc. Lateral Sewer No. 43 161.62 Labor Acc. Lateral Sewer No. 44 204.26 Lab. Acc. Lateral Sewer No. 45 247.32 Labor Acc. Lateral Sewer No. 46 538.53 Labor Acc. Lateral Sewer No. 47 532.71 Labor Acc. Lateral Sewer No. 48 199.27 Labor Acc. Lateral Sewer No. 50 98.35 Labor Acc. Lateral Sewer No. 54 270.88

306 COMMON COUNCIL	
Labor Acc Listeral Sewer No. 55. 276.99	Tax Acc. Pavement No. 14 737.10
Labor Acc. Daterar Server 110.	Tax Acc. Pavement No. 15 799.14
	Tax Acc. Pavement No. 16 585.46
	Tax Acc. Pavement No. 17 454.00
Labor Acc. Lateral Sewer No.59. 164.92 Labor Acc. Lateral Sewer No. 61. 501.76	Tax Acc. Pavement No. 18 2,043.55
Labor Acc. Lateral Sewer No. 62. 143.07	Tax Acc. Pavement No. 19 1,218.30
Labor Acc. Lateral Sewer No. 64. 651.54	Tax Acc. Pavement No. 21 1,578.09
Labor Acc. Lateral Sewer No. 65 225.71	Tax Acc. Pavement No. 22 240.01
Labor Acc. Lateral Sewer No. 66 362.98	Tax Acc. Pavement No. 23 858.75
Labor Acc. Lateral Sewer No. 67 554.0	Tax Acc. Pavement No. 24 105.82
Mabot Met, Editeral Sener Months	Tax Acc. Pavement No. 25 135.35
Total\$11,271.36	Tax Acc. Pavement No. 26 12.45
PAVING FUNDS-Treasurer's Report for	Tax Acc. Pavement No. 27 2,177.90
Month Ending Dec., 1914:	Tax Acc. Pavement No. 28 3,377.59
Money Received—	Tax Acc. Pavement No. 29 2,422.80
Tax Acc. Paving Districts—	Tax Acc. Pavement No. 30 1,000.28
Taxes Collected—	
Tax Acc. Paving Dist. No. 10\$ 33.37	Total\$20,967.95
Tax Acc. Paving Dist. No. 12 34.91	Overdrawn 3,786.07
Tax Acc. Paving Dist. No. 13 6.06	
Tax Acc. Paving Dist. No. 14 34.94	On hand Jan. 1st, 1915\$17,181.88
Tax Acc. Paving Dist. No. 15 66.56	Overdrawn—
Tax Acc. Paving Dist. No. 16 35.55	Labor Acc. Pavement No. 30\$ 202.41
Tax Acc. Paving Dist. No. 17 22.60	Labor Acc. Pavement No. 31 126.15
Tax Acc. Paving Dist. No. 18 142.00	Labor Acc. Pavement No. 32 235.28
Tax Acc. Paving Dist. No. 19 40.90	Tax Acc. Pavement No. 9 1,370.12
Tax. Acc. Paving Dist. No. 20 55.41	Tax Acc. Pavement No. 10 1,447.97
Tax Acc. Paving Dist. No. 21 29.10	Tax Acc. Pavement No. 12 165.51
Tax Acc. Paving Dist. No. 22 2.09	Tax Acc. Pavement No. 20 238.63
Tax Acc. Paving Dist. No. 23 5.90	Total\$3,786.07
Tax Acc. Paving Dist. No. 24 45.46 Tax Acc. Paving Dist. No. 25 29.06	Warrants Outstanding-
The fact, Thirting Diet.	Labor Acc. Pavement No. 30\$63.48
Tax Acc. Paving Dist. No. 26 81.18 Tax Acc. Paving Dist. No. 27 6.99	To the Honorable Common Council, of the
Tax Acc. Paving Dist. No. 28 380.29	City of Ann Arbor;
Tax Acc. Paving Dist. No. 29 862.12	This is to certify that there was on de-
Tax Acc. Taying Dist. No. 25 002.12	posit in this bank to the credit of Chas.
Total\$1,914.42	L. Miller, city treasurer, the sum of Nine-
Warrants paid 22.61	ty-Five Thousand Seven Hundred Seventy-
Balance	Seven and 29-100 (\$95,777.29) Dollars at the
On hand Dec. 1st, 1914\$15,290.07	close of business December 31st, 1914.
on hand beer 18th 1911	WILLIAM I WALZ Aggit Conhise
1889 II P. C.	WILLIAM L. WALE, ASSI, Casher.
On hand Jan. 1st, 1915\$17,181.88	WILLIAM L. WALZ, Ass't. Cashier. January 11th, 1915.
On hand Jan. 1st, 1915\$17,181.88 Condition of Paving Funds on the First	January 11th, 1915. Recapitulation
Condition of Paving Funds on the First	January 11th, 1915.
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid—	January 11th, 1915. Recapitulation City funds on hand\$122,032.60
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid—	January 11th, 1915. Recapitulation City funds on hand\$122,032.60 Pavement funds on hand 17,181.88
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid— Labor Acc. Pavement No. 30\$22.61	January 11th, 1915. Recapitulation City funds on hand
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid— Labor Acc. Pavement No. 30\$22.61	January 11th, 1915. Recapitulation City funds on hand
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid— Labor Acc. Pavement No. 30\$22.61 Total\$22.61 On Hand—	January 11th, 1915. Recapitulation City funds on hand \$122,032.60 Pavement funds on hand 17,181.88 Total \$139,214.48 Sewer funds overdrawn 5,479.77
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid— Labor Acc. Pavement No. 30\$22.61 Total	January 11th, 1915. Recapitulation City funds on hand \$122,032,60 Pavement funds on hand 17,181,88 Total \$139,214,48 Sewer funds overdrawn 5,479,77 Palance \$133,734,71
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid— Labor Acc. Pavement No. 30\$22.61 Total	January 11th, 1915. Recapitulation City funds on hand \$122,032,60 Pavement funds on hand 17,181,88 Total \$139,214,48 Sewer funds overdrawn 5,479,77 Palance \$133,734,71 Bank balance \$ 95,777,29
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid— Labor Acc. Pavement No. 30\$22.61 Total	January 11th, 1915. Recapitulation City funds on hand \$122,032,60 Pavement funds on hand 17,181,88 Total \$139,214,48 Sewer funds overdrawn 5,479,77 Palance \$133,734,71 Bank balance \$95,777,29 Cash on hand 37,957,42
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid— Labor Acc. Pavement No. 30\$22.61 Total	January 11th, 1915. Recapitulation City funds on hand \$122,032.60 Pavement funds on hand 17,181.88 Total \$139,214.48 Sewer funds overdrawn 5,479.77 Palanca \$133,734.71 Bank balance \$ 95,777.29 Cash on hand 37,957.42
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid— Labor Acc. Pavement No. 30. \$22.61 Total \$22.61 On Hand— Labor Acc. Pavement No. 20. \$254.34 Tax Acc. Pavement No. 5. 1,079.01 Tax Acc. Pavement No. 6. 76.20 Tax Acc. Pavement No. 7. .05 Tax Acc. Pavement No. 8. 641.09	January 11th, 1915. Recapitulation City funds on hand \$122,032.60 Pavement funds on hand 17,181.88 Total \$139,214.48 Sewer funds overdrawn 5,479.77 Palance \$133,734.71 Bank balance \$ 95,777.29 Cash on hand 37,957.42 Total \$133,734.71
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid— Labor Acc. Pavement No. 30. \$22.61 Total \$22.61 On Hand— Labor Acc. Pavement No. 20. \$254.34 Tax Acc. Pavement No. 5. 1,079.01 Tax Acc. Pavement No. 6. 76.20 Tax Acc. Pavement No. 7. .05 Tax Acc. Pavement No. 8. 641.03 Tax Acc. Pavement No. 11. 789.70	January 11th, 1915. Recapitulation City funds on hand \$122,032.60 Pavement funds on hand 17,181.88 Total \$139,214.48 Sewer funds overdrawn 5,479.77 Palance \$133,734.71 Bank balance \$95,777.29 Cash on hand 37,957.42 Total \$133,734.71 Respectfully submitted: CHAS. H. MIL-
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid— Labor Acc. Pavement No. 30. \$22.61 Total \$22.61 On Hand— Labor Acc. Pavement No. 20. \$254.34 Tax Acc. Pavement No. 5. 1,079.01 Tax Acc. Pavement No. 6. 76.20 Tax Acc. Pavement No. 7. .05 Tax Acc. Pavement No. 8. 641.09	January 11th, 1915. Recapitulation City funds on hand \$122,032.60 Pavement funds on hand 17,181.88 Total \$139,214.48 Sewer funds overdrawn 5,479.77 Palance \$133,734.71 Bank balance \$ 95,777.29 Cash on hand 37,957.42 Total \$133,734.71
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid— Labor Acc. Pavement No. 30. \$22.61 Total \$22.61 On Hand— Labor Acc. Pavement No. 20. \$254.34 Tax Acc. Pavement No. 5. 1,079.01 Tax Acc. Pavement No. 6. 76.20 Tax Acc. Pavement No. 7. .05 Tax Acc. Pavement No. 8. 641.09 Tax Acc. Pavement No. 11. 789.70 Tax Acc. Pavement No. 13. 380.91	January 11th, 1915. Recapitulation City funds on hand \$122,032,60 Pavement funds on hand 17,181,88 Total \$139,214,48 Sewer funds overdrawn 5,479,77 Palance \$133,734,71 Bank balance \$95,777,29 Cash on hand 37,957,42 Total \$133,734,71 Respectfully submitted: CHAS. H. MIL- LER, City Treasurer.
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid— Labor Acc. Pavement No. 30\$22.61 Total	January 11th, 1915. Recapitulation City funds on hand \$122,032,60 Pavement funds on hand 17,181,88 Total \$139,214,48 Sewer funds overdrawn 5,479,77 Palanca \$133,734,71 Bank balance \$95,777,29 Cash on hand 37,957,42 Total \$133,734,71 Respectfully submitted: CHAS. H. MILLER, City Treasurer. igan, Jan. 2, 1915.
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid— Labor Acc. Pavement No. 30. \$22.61 Total \$22.61 On Hand— Labor Acc. Pavement No. 20. \$254.34 Tax Acc. Pavement No. 5. 1,079.01 Tax Acc. Pavement No. 6. 76.26 Tax Acc. Pavement No. 7. 05 Tax Acc. Pavement No. 8. 641.09 Tax Acc. Pavement No. 11. 789.76 Tax Acc. Pavement No. 13. 380.91 Engineer's Department, Ann Arbor, Mich. To the Board of Public Works, Ann Arbor	January 11th, 1915. Recapitulation City funds on hand \$122.032.60 Pavement funds on hand 17,181.88 Total \$139,214.48 Sewer funds overdrawn 5,479.77 Palanca \$133,734.71 Bank balance \$95,777.29 Cash on hand 37,957.42 Total \$133,734.71 Respectfully submitted: CHAS. H. MIL- LER, City Treasurer. igan, Jan. 2, 1915. rbor, Michigan: Sirs—I present berewith
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid— Labor Acc. Pavement No. 30	January 11th, 1915. Recapitulation City funds on hand \$122,032,60 Pavement funds on hand 17,181,88 Total \$139,214,48 Sewer funds overdrawn 5,479,77 Palanca \$133,734,71 Bank balance \$95,777,29 Cash on hand 37,957,42 Total \$133,734,71 Respectfully submitted: CHAS. H. MILLER, City Treasurer. igan, Jan. 2, 1915.
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid— Labor Acc. Pavement No. 30. \$22.61 Total \$22.61 On Hand— Labor Acc. Pavement No. 20. \$254.34 Tax Acc. Pavement No. 5. 1,079.01 Tax Acc. Pavement No. 6. 76.26 Tax Acc. Pavement No. 7. 05 Tax Acc. Pavement No. 8. 641.09 Tax Acc. Pavement No. 11. 789.76 Tax Acc. Pavement No. 13. 380.91 Engineer's Department, Ann Arbor, Mich To the Board of Public Works, Ann A the following report of expenditures for we month of December, 1914:	January 11th, 1915. Recapitulation City funds on hand \$122.032.60 Pavement funds on hand 17,181.88 Total \$139,214.48 Sewer funds overdrawn 5,479.77 Palanca \$133,734.71 Bank balance \$95,777.29 Cash on hand 37,957.42 Total \$133,734.71 Respectfully submitted: CHAS. H. MILLER, City Treasurer. igan, Jan. 2, 1915. rbor, Michigan: Sirs—I present herewith ork done under my direction during the
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid— Labor Acc. Pavement No. 30	January 11th, 1915. Recapitulation City funds on hand \$122,032,60 Pavement funds on hand 17,181.88 Total \$139,214.48 Sewer funds overdrawn 5,479.77 Palance \$133,734.71 Bank balance \$95,777.20 Cash on hand 37,957.42 Total \$133,734.71 Respectfully submitted: CHAS. H. MIL- LER, City Treasurer. igan, Jan. 2, 1915. rbor, Michigan: Sirs—I present herewith ork done under my direction during the Chargeable To Amount
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid— Labor Acc. Pavement No. 30\$22.61 Total	January 11th, 1915. Recapitulation City funds on hand \$122,032,60 Pavement funds on hand 17,181.88 Total \$139,214.48 Sewer funds overdrawn 5,479.77 Palance \$133,734.71 Bank balance \$95,777.20 Cash on hand 37,957.42 Total \$133,734.71 Respectfully submitted: CHAS. H. MIL- LER, City Treasurer. igan, Jan. 2, 1915. rbor, Michigan: Sirs—I present herewith ork done under my direction during the Chargeable To Amount
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid— Labor Acc. Pavement No. 30	January 11th, 1915. Recapitulation City funds on hand \$122,032.60 Pavement funds on hand 17,181.88 Total \$139,214.48 Sewer funds overdrawn 5,479.77 Pelance \$133,734.71 Bank balance \$95,777.29 Cash on hand 37,957.42 Total \$133,734.71 Respectfully submitted: CHAS. H. MIL-LER, City Treasurer. igan, Jan. 2, 1915. rbor, Michigan: Sirs—I present berewith ork done under my direction during the Chargeable To Amount General work of the department\$195.67 North Division st. storm sewer 1.62 Madison, Jefferson, and Division st.
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid— Labor Acc. Pavement No. 30	January 11th, 1915. Recapitulation City funds on hand \$122.032.60 Pavement funds on hand 17,181.88 Total \$139,214.48 Sewer funds overdrawn 5,479.77 Palarca \$133,734.71 Bank balance \$95,777.29 Cash on hand 37,957.42 Total \$133,734.71 Respectfully submitted: CHAS. H. MIL-LER, City Treasurer. igan, Jan. 2, 1915. rbor, Michigan: Sirs—I present herewith ork done under my direction during the Chargeable To Amount General work of the department \$195.67 North Division st. storm sewer 1.62 Madison, Jefferson, and Division st. storm sewer 33.50
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid— Labor Acc. Pavement No. 30. \$22.61 Total	January 11th, 1915. Recapitulation City funds on hand \$122.032.60 Pavement funds on hand 17,181.88 Total \$139,214.48 Sewer funds overdrawn 5,479.77 Palance \$133,734.71 Bank balance \$95,777.29 Cash on hand 37,957.42 Total \$133,734.71 Respectfully submitted: CHAS. H. MILLER, City Treasurer. igan, Jan. 2, 1915. rbor, Michigan: Sirs—I present berewith ork done under my direction during the Chargeable To Amount General work of the department \$195.67 North Division st. storm sewer 1.62 Madison, Jefferson, and Division st. storm sewer 33.50 First st. sanitary sewer 21
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid— Labor Acc. Pavement No. 30	Total \$133,734.71 Respectfully submitted: CHAS. H. MILLER, City Treasurer. Chargeable To Chargeable To General work of the department \$195.67 Chargeable To Amount General work of the department \$195.67 North Division st. storm sewer 1.62 Madison, Jefferson, and Division st. storm sewer 21 Moore st. sanitary sewer 32 Mily funds on hand \$122,032.60 \$122,032.60 \$139,214.48 \$139,214.48 \$133,734.71 \$133,734.71 Respectfully submitted: CHAS. H. MILLER, City Treasurer. Igan, Jan. 2, 1915. Chargeable To Amount General work of the department \$195.67 North Division st. storm sewer 1.62 Madison, Jefferson, and Division st. storm sewer 33.50 First st. sanitary sewer 32
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid— Labor Acc. Pavement No. 30	January 11th, 1915. Recapitulation City funds on hand \$122.032.60 Pavement funds on hand 17,181.88 Total \$139,214.48 Sewer funds overdrawn 5,479.77 Palanca \$133,734.71 Bank balance \$95,777.29 Cash on hand 37,957.42 Total \$133,734.71 Respectfully submitted: CHAS. H. MILLER, City Treasurer. igan, Jan. 2, 1915. rbor, Michigan: Sirs—I present herewith ork done under my direction during the Chargeable To Amount General work of the department \$195.67 North Division st. storm sewer 1.62 Madison, Jefferson, and Division st. storm sewer 33.50 First st. sanitary sewer 32 Seventh st. sanitary sewer 32 Seventh st. sanitary sewer, Miller
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid— Labor Acc. Pavement No. 30	January 11th, 1915. Recapitulation City funds on hand \$122,032,60 Pavement funds on hand 17,181,88 Total \$139,214,48 Sewer funds overdrawn 5,479,77 Bank balance \$95,777,29 Cash on hand 37,957,42 Total \$133,734,71 Respectfully submitted: CHAS. H. MILLER, City Treasurer. igan, Jan. 2, 1915. rbor, Michigan: Sirs—I present berewith ork done under my direction during the Chargeable To Amount General work of the department \$195,67 North Division st. storm sewer 1.62 Madison, Jefferson, and Division st. storm sewer 33,50 First st. sanitary sewer 32 Seventh st. sanitary sewer 32 Seventh st. sanitary sewer, Miller to Huron st. 29,30
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid— Labor Acc. Pavement No. 30	Recapitulation City funds on hand \$122,032,60 Pavement funds on hand 17,181,88 Total \$139,214,48 Sewer funds overdrawn 5,479,77 Pelance \$133,734,71 Bank balance \$95,777,29 Cash on hand 37,957,42 Total \$133,734,71 Respectfully submitted: CHAS. H. MILLER, City Treasurer. igan, Jan. 2, 1915. rbor, Michigan: Sirs—I present herewith ork done under my direction during the Chargeable To Amount General work of the department \$195,67 North Division st. storm sewer 1.62 Madison, Jefferson, and Division st. storm sewer 33,50 First st. sanitary sewer 21 Moore st. sanitary sewer 32 Seventh st. sanitary sewer, Miller to Huron st. 29,30 Municipal lighting 2,17
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid— Labor Acc. Pavement No. 30	Recapitulation City funds on hand \$122,032,60 Pavement funds on hand 17,181,88 Total \$139,214,48 Sewer funds overdrawn 5,479,77 Pelanca \$133,734,71 Bank balance \$95,777,29 Cash on hand 37,957,42 Total \$133,734,71 Respectfully submitted: CHAS. H. MIL-LER, City Treasurer. igan, Jan. 2, 1915. rbor, Michigan: Sirs—I present herewith ork done under my direction during the Chargeable To Amount General work of the department \$195,67 North Division st. storm sewer 1.62 Madison, Jefferson, and Division st. storm sewer 33,50 First st. sanitary sewer 21 Moore st. sanitary sewer 32 Seventh st. sanitary sewer, Miller to Huron st. 29,30 Municipal lighting 2,17 Steep's farm, gauging wells 2,17
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid— Labor Acc. Pavement No. 30	Recapitulation City funds on hand \$122,032.60 Pavement funds on hand 17,181.88 Total \$139,214.48 Sewer funds overdrawn 5,479.77 Pelanca \$133,734.71 Bank balance \$95,777.29 Cash on hand 37,957.42 Total \$133,734.71 Respectfully submitted: CHAS. H. MILLER, City Treasurer. igan, Jan. 2, 1915. rbor, Michigan: Sirs—I present berewith ork done under my direction during the Chargeable To Amount General work of the department \$195.67 North Division st. storm sewer 1.62 Madison, Jefferson, and Division st. storm sewer 33.50 First st. sanitary sewer 21 Moore st. sanitary sewer 32 Seventh st. sanitary sewer, Miller to Huron st. 29.30 Municipal lighting 2,17
Condition of Paving Funds on the First Day of Jan., 1915: Warrants Paid— Labor Acc. Pavement No. 30	City funds on hand \$122,032,60 Pavement funds on hand 17,181,88 Total \$139,214,48 Sewer funds overdrawn 5,479,77 Calanca \$133,734,71 Bank balance \$95,777,29 Cash on hand 37,957,42 Total \$133,734,71 Respectfully submitted: CHAS. H. MILLER, City Treasurer. igan, Jan. 2, 1915. rbor, Michigan: Sirs—I present berewith ork done under my direction during the Chargeable To Amount General work of the department \$195,67 North Division st. storm sewer 1.62 Madison, Jefferson, and Division st. storm sewer 33,50 First st. sanitary sewer 32 Seventh st. sanitary sewer 32 Seventh st. sanitary sewer, Miller to Huron st. 29,30 Municipal lighting 2,17 Steere farm, gauging wells 2,17 Steere farm, shaft 35,17

	COMMON	COUNCIL	-JANUAR	1 18, 1915.	50	1
St. Com. Roll St. Com. Roll Total Total Expend	er work— e	19.30 31.17 \$130.47 \$430.70	North Divis Madison, Je storm sew Vault equip Total	ion st. storm sefferson, and ser :	Bewer Division	.50 66.53 7.64
STREET CO Office of Stree Mich, Jan. Hon. Board Scott, Presider ing is a report	MMISSIONER'S t Commissioner,	REPORT Ann Arbor, as, Evart H. The follow- by the Street	Cost of \$1.14 per h Arbor; ban load of abo yards deliv	PAVING. Materials. obl. net f. o. ik run gravel out one and o wered on the	Cement b. cars in cost \$1.25 one-third of street; w	Ann per cubic vater

Dec. 3-16, 17-30; taking care of snow, labor Cleaning snow from crosswalks,

Plowing snow from gutters\$365.23 Cleaning paved streets, labor, (Dec. 3-8)\$102.48

Miscellaneous work and repairs,

Miller ave.)

labor (Making street sweeper brooms, \$36.59—cinders on sidewalk, Division, between Washington and Liberty, \$1.08—handling materials at city yard, \$2.63—handling coal for poor master, \$1.67—removing ashes basement city hall, \$1.47) Repairs culverts, labor 9.81(Railings culverts Fountain st. and

Grading, graveling and patching dirt streets, labor 9.75 (Filling holes Geddes ave.; cinders alley south of Catherine between Main and 4th av.; einders 14th and Volland) City Engineer Dep't., acct., labor...

(Flushing sanitary sewers, work on storm sewers, etc.)

Cleaning crosswalks, labor Repairs and cleaning inlets, gutter boxes, etc., labor

Tile east side Glen ave. between Catherine and Fuller)

\$583.72 Total Respectfully submitted, WISNER, Street Commissioner.

Reports of treasurer, clerk. engineer and street commissioner for month of December, and the annual report of board of public works, received and ordered to take course and filed.

\mathbf{OF} ANNUAL REPORT BOARD OF PUBLIC WORKS 1914-15.

Arbor, Michigan:

Sirs-I submit the following report and completed in August. of work done, under your direction, in the Engineer's Department during the year ending D . . 31st, 1914. It is, Very respectfully submitted, MANLEY

OSGOOD, City Engineer.

cost 25 cents per one hunder cubic feet of completed concrete; day labor was twenty-five cents per hour; teams cost 50c per hour; tar for surfacing cost five cents per gallon delivered into the city's storage tank or tank wagon at the Gas Company's plant; washed sand and torpedo gravel cost forty-five cents per ton, or about sixty-three cents per cu. yd. f. o. b. cars in Ann Arbor.

Church St., District No. 30: The only pavement completed this year was on Church st. from Washtenaw ave. to Prospect st. This was the Ann Arbor tarred Concre'e type and seven inches The bottom five inches were thick. mixed eight parts of bank run gravel to one part of cement. The top two inches were mixed two parts of washed sand, or washed gravel screenings, to one part of cement. After spacing expansion joints fifty feet apart, in 1913, it was found advisable to space them closer together to deecrease the number of intermediate cracks and on Church st. these joints were left one along each cure and transversely every thirty feet along the pavement.

The expansion joints along the curb are three-quarters of an width and those transverse to the center line of the pavement are threeeeights of an inch wide. The spec!fications for this pavement required that the j ints be filled with filler asphalt but this was changed, after construction commenced, by a resolution of the Common Council to require tarand sand for the filler. Tar bought from the local Gas Company was used both for filing joint; and for surfacing but the surfacing was very poorly ap-The curbing in this district was built in 1913 and the grading and To the Board of Public Works, Ann paving were commenced this season as soon as the weather would permit

> This pavement is thirty feet wide between Washtenaw ave. and Hill st. and twenty-eight feet wide between Hill st. and Prospect st. there being 11.-832.46 sq. yds. of pavement and 6,-

follows:

Cost per sq. yd. for grading and

Cost per sq. yd. for concrete

Cost per sq. yd. for filling joints

Cost per sq. yd. for concrete pavement, only 0.923 lows:

The cost for engineering only in this Curbing\$229.57 \$0.21 per sq. yd. This includes all preliminary surveys, plans, profiles, estimates, staking out, report and bounincludes all portion of the time of men working on a monthly salary properly chargeable to this account.

The driveways in this district which were paved or curbed contains 420.66 sq. yds. of pavement and 630.6 lin. ft. of curbing in addition to the totals given above. For this curbing, grading and paving in drives the city will structed between the existing curb

collect \$593.04.

in this district 674.7 lin. ft. of curbtng which conformed to the specifications for curbing and to line grade of the pavement, and which had been built and paid for by the respective property owners several years previous to 1913, was not re-No allowance was made for this at the time of assessing the district, but afterwards a total of \$86.09 was refunded to these property own-

Hill St., Dist. 31, State St. to Wash-Street Committee Report on June 15, 1914, the Common Council resolved and which was removed in excavating that "no storm sewers or pavement for the concrete foundation of the be built on this street at present." new pavement. This district therefore remains in the same conditions as a year ago, with the curbing built in that block be- The total cost was \$4,572.98 tween Church st. and Forest ave. The unit costs were as follows: total costs to date in this district have been as follows:

Curbing\$151.80 Engineering 55.64

W. Ann St., Dist. 32, from Main St. to First St.: On Sept. 7, 1914, the Cost per. sq. yd. for grouting... 0.09 Common Council ordered the paving Cost per sq. yd. for filling joints of this district according to plans and specifications as recommended by you. These specifications call for a two-this district was \$94.32, or a unit cost course concrete payement with mesh of \$0.04 per square yard. This in-

015.7 lin. ft. of curbing in this dis-reinforcing placed between the two trict. The total cost, as shown in my courses and steel plates for protecting report to you dated Sept. 21, 1914, was the edges at expansion joints. No sur-\$14,802.93 and the unit costs were as facing will be put over the concrete. follows:

The curbing was built in this dis-Cost per sq. yd. complete.....\$1.251 trict at once upon your order to proceed with the construction but when paving 1.127 same was completed it was your deost per sq. yd. for concrete cision that the weather had become pavement and wearing surface 0.984 too uncertain to proceed with the grading and concrete construction and wearing surface $\dots \dots 0.061$ this year. The total cost to date for work in this district has been as fol-

Total\$262.86 State St., Repaving from William daries ir assessment districts, and St. to Liberty St.: On July 20, 1914, the Common Council instructed the board to proceed with the repaving of the above described portion of State st. On August 17th, the Council, on your recommendation changed the specifications so that a cement grout filler was used in place of pitch. The pavement was according y conlines with a six inch concrete base In the construction of the curbing mixed eight parts of bank run gravel to one part of cement. On top of this was placed a sand cushion compacted to one and one-half inches thick by rolling. The brick were wire cut lug A cement grouting mixed blocks. one-half sand and one-half cement was thoroughly flushed into the spaces between the brick and much care was taken to leave same in all cases flush A one inch with the brick surface. expansion joint was left along each curb and filled with paving pitch. The sand used for the sand cushion was tenaw Ave: By the adoption of the salvaged by screening the gravel on which the old asphalt blocks were laid

There were 2,351.62 sq. yds. pavement constructed in this block. The total cost was \$4,572.98 and the

Cost per sq. yd. complete.....\$1.945 Cost per sq. yd. exclusive of

grading and curbing 1.75 Cost per sq. yd. for concrete

foundation 0.48 Cost per sq. yd. for sand curh-

ion and brick in place.....

along curb 0.04

The cost for engineering only in

cludes all items, as for Church st. above, together with a considerable amount of personal supervision dur-ing the progress of the work Some items of toos have been charged directly to this work are still on hand for future use.

for the four following kinds of pave- City at large. Pavements, like evment: Ann Arbor Tarred Concrete, as erything else, will wear out in time laid in the past; Reinforced Concrete, and the expense of maintenance and to be used on these two strets you study. still have under advisement.

The costs for engineering on these

follows:

ment during the past year.

Inches outside of their rails from Seventh st., where they left off in 1913, to the west end of the pavement on W. Huron st., at the junction of cent has been retained until a year Huron st. with Dexter ave. and after acceptance. This five percent

Brick on Concrete25,617 sq.yds.
Brick on Sand 1.589 sq. yds.
Asphalt Block on Sand 32,494 sq. yds.
Bitu ithic 7,519 sq. yds.
Ann Arbor Tarred Concrete-
Laid in 1909 1,883 sq. yds.

Laid	in	1911				.64,089	sq. yds.
Laid	in	1912.	 			.11,537	sq. yds.
Laid	in	1913 .				.33,463	sq. yds.
Laid	in	1914.				.11,832	sq. yds.

139,361 sq yds.

Original Cost and Reconstruction: as specified for Ann st.: Asphaltic reconstruction will increase in the fu-Concrete, similar to William st. and ture until the annual cost for same Vitrified Brick, as that constructed becomes quite large. The maintenon State st. and above reported upon, ance of our pavements is a matter for The selection of the type of pavement careful consideration and scientific

SANITARY SEWERS.

Five new sanitary sewer distric's two pavements to date have been as were established this year, the plans, profiles and estimates prepared and Division st.\$100.73 the work let to contract. All of the E. Jefferson st. 49.67 districts which were uncompleted at the time of my report a year ago have taken care of by the Street Depart- cement the tie as well as the necessary inspection has been followed

General: For changes and completion of the plans for office record, \$12.15 was spent on W. Liberty st. Main st. to Spring st. was commenced pavement, District 28, and \$21.41 on in 1913 (see report for 1913) and W. Huron st. pavement, District 29, completed this year. The cost has been distributed as follows:

Total\$1,158.57 Of the above contract cost, five per-Jackson ave. Care of City monuments amounts to \$53.09 and is payabe Feb. in connection with the work cot 16th, 1915. The cost for engineer\$7.72.

Statement of Kinds of Pavement in per cent of the contract cost.

Ann Arbor:

District No. 53: West Washington

st. west of Ninth st. and Crest ave. was commenced in 1913 and completed in an acceptable condition, this The cost has been distributed as follows:

310 COMMON COUNCIL	
Engineering 37.56	
Total\$2,432.81 No percentage of the contract cost	
No percentage of the contract cost was retained on this district, the con-	
tractor having been paid the full	1
amount of same The cost for engi-	
neering, laying tile and inspecting is 5.8 per cent of the contract cost.	(
District No. 55: From Granger ave.	1
and Ferdon rd. across private prop-	
erty to Austin ave., thence to Washtenaw ave. and in each direction on	
Washtenaw from Austin. This sewer	1
was commenced in 1913 and complet-	
ed in acceptable condition this year. The cost has been distributed as fol-	
lows:	1
Contract cost\$3,607.98	1
Contract cost	
Engineering 152.55	1
Total\$3,862.29	8
Of the above contract cost, \$93.48	1
was for extra work and five per cent of the remaining \$3,514.50 has been	1
retained until a year after acceptance.	t
This five percent amounts to \$175.73	t
and is payable Feb. 16, 1915. The cost for engineering, laying tile and in-	2
specting is 8.3 percent and for engi-	i
neering alone is only 4.3 percent of	(
the contract cost although a preliminary survey of considerable extent	f
was necessary in order to determine	i
the most feasible route from Austin	1
ave. to Granger ave.	8

District No. 56: Includes the following streets in the Third Ward: tributed as follows:
Brook st. from Miller ave. to Pearl Contract price\$2,682.34
st., Gott st. and Miner st. from Felch Laying tile and inspecting.. 157.39 st. to Pearl st., Felch st. from Foun- Engineering tain st. to Gott st., Hiscock st. from Miner st. to Brook st., and Summit st. from Spring st. to Brook st. This sewer was commenced in 1913 and five completed this year. The costs have been been as follows:

Engineering

.....\$7,655.78 countered. of the above contract cost, five per-

Oswego st. eart as far as possible, was ative to the district was given in my commenced in 1913 and completed in report last year. The distribution of

Laying tile and inspecting.... 16.48 Engineering $\dots 14.20$\$574.29

Of the above contract cost, five percent or \$27.18 has been retained until one year after acceptance. This is due on Feb. 16th, 1915. The cost for engineering, laying tile and inspecting

Es 5.8 percent of the contract cost.

District No. 60: Furnishes sewerage for Brown st. from Hill st. to Philip st., Fourth ave. from Hill st. to the south end, and Philip st. from Fourth ave. to Main st. The plans and specifications for this district were prepared and the contract let to Mr. E. L. Schneider in 1913 but the work of construction was all done this After the work contracted for year by the City was commenced and well under way, Mr. G. F. Allmendinger arranged privately with Mr. Schneider care for storm water on Jefferson st. between Division st. and State st. to extend the Fourth ave. sewer through his property under the direction of this department. All sewers in this district are eight inch vitrified tile sewers with eight by four inch sanitary tees placed in the line of the sewer to receive the connection from each building site. All of the sewage from this district is emptied into the eight inch sanitary sewer on Hill st. Mr. Schneider was allowed a final estimate on this district on July 6th, 1914. The cost has been dis-

....\$2,902 70 Total Of the above contract or \$134.12 percent has retained until Ju y 6th. one year after acceptance. 1915, Contract cost\$7,159.59 The cost for engineering, laying tile Laying tile and inspecting... 267.15 and inspecting is 8 percent of the 229.04 contract cost. The laying of tile was delayed by quicksand and water en-

District 61: Furnishes sewerage cent has been retained until a year af- for Detroit st. from Division st. to ter acceptance. This five percent re- Catherine st., Catherine st. from the tained amounts to \$357.98 and is due Main sewer to Detroit st., and Fourth July 6, 1915. The cost for engineer- ave. from Catherine st. to Ann st. The ing, laying tile and inspecting is 6.9 Detroit st. part of this district was percent of the contract cost. completed in 1913 and the remainder District No. 57: Geddes ave. from this year. General information rel-

Engineering	94.99
Total Of the above contract cost,	
cent was retained until one ter acceptance. This five	
amounts to \$232.06 and becoming for July 6, 1915. The cost of	mes due
ing, laying tile and inspecting percent of the contract cost.	ng is 4.8

As shown in my report to you dated June 17, 1914, during the costruction of the sewer in this district the old Beal sever which carried sewage from the Times News and Old Post Office buildings was broken and stopped. In connecting this sewer to the new sewer constructed in this district, the city furnished labor to the amount of \$95.75 and in keeping water from Times the basement of the News building prior to such conection \$8.40. Bills have been rendered for amounts.

District 62: East Catherine from Clark st. 100 feet east, was practically completed in 1913 but the final estimate was not allowed until General information Feb. 2, 1914. relative to this district was given in my report for 1913. The distribution of costs has been as follows: Contract cost\$150.60

Engineering 4.54

Total\$155.14

Of the above contract cost, five percent or \$7.53 has been retained until Feb. 2, 1915. The cost for engineering is 3 percent of the contract cost.

Furnishes sewerage District 63: for that portion of Sixth st., Seventh st. and Eight st. lying between Liberty st, and Washington st. It was or five percent has been retained unnecessary to run a sewer from Mur- til Oct. 5, 1915, which is one year afray ave. to Eighth st. through the val- ter acceptance. The cost for engiley which lies between Liberty st. and neering, laying tile and inspecting is Washington st. A right of way for 9.5 percent of the contract cost. this sewer from Murray ave. to the Water Works property now belonging Granger to the city of Ann Arbor, was given is by Mr. Wm. H. Murray. From Sixth sewer with eight by four inch sanst. to Eighth st., through the Water itary tees placed in the line of the class "B' cast iron water pipe sew- each building site. tI empties into the trict is of eight inch vitrified tile. A running northwesterly along Packard four inch connection for each build- st. from Granger ave. ing site was extended to the curb line the sewer built in this district is only on the respective streets. This sewer four feet deep and at Brooklyn ave. empties into the eight inch san'tary the sewer is only three feet deep to sewer on Murray ave., District No. 48. the flow line or bottom of the invert. The work in this district was let to This district was established and the Messrs. Dederich and Eddy of Sagi-plans, and specifications all prepared naw, Michigan, who have completed this year. The work was let to Messrs. the same and were allowed a final Dederich & Eddy who have completed

estimate	on A	ugust	17th.	1914	The
cost was	distr:	buted	as fo	llows	:
Contract	cost			\$4.	358.81
Laying til	le and	inspe	ecting		145.61
Engineeri	ng				161.36

Total\$4,665.78 Of the above contract cost, \$217.94. of five percent, has been retained one year after acceptance and is due August 17, 1915 The cost for engineering, laying tile and inspecting is 7 percent of the contract cost and the cost for engineering alone is only 3.7 percent, although a preliminary survey of considerable extent was necessary to determine the proper route through the valley from Murray ave.

to Eighth st.

District 64: Third st. and Fourth st. from Liberty st. to William st. and Fifth st. from Liberty st. to the north line of the Michigan Union Brewing company's property are all eight inch vitrified tile sewers emptying into sewers of the same size and material. Eight inch by four inch sanitary tees were placed in the line of each sewer to receive the connection from each building site. This district was established and plans and specifications all prepared this year. The work in this district was let to Mr. E. L. Schneider who has completed the same and was allowed a final estimate on Oct. 5th, 1914. The cost has been distributed as follows:

Contract cost\$685.83 Laying tile and inspecting... 24.12 Engineering 41.03

Total\$750.98 Of the above contract cost, \$34.29

District 65: Packard ave. to Brooklyn ave., eight inch vitrified an tile Works property, this is an eight inch, sewer to receive the connection from The rest of the sewer in this dis- sewer of the same size and material The oulet of has been distributed as follows: Contract cost\$237.59

cent has been retained for one year after acceptance. This five percent Fair Oaks Parkway and Norway amounts to \$11.88 and is due on Dec. Road: Eight inch sanitary sewers

percent of the contract cost.

District 66: First st. from Ann st. year and all plans, specifications, etc., No. 55. These sewers were were prepared. The contract was let to Messas. Dederich & Eddy of Sag-inaw who have completed the work and were allowed a final estimate on Dec. 7, 1914. This is an eight inch vitrified tile sewer with eight inch by four inch sanitary tees placed in the line of the sewer to receive the connection from each building site. It empties into the eight inch vitrified tile sewer on Catherine st., Dist. 61. The distribution of cost has been as follows:

Contract cost\$382.08 Laying tile and inspecting... 30.13 11.59 Engineering

Total\$423.80 Five percent of the above contract cost, \$19.10, has been retained until one year after acceptance and becomes due on Dec. 7, 1915. The cost for engineering, laying tile, and inspecting is 10.9 percent of the contract cost, the cost of layng tile and inspecting comprising 7.9 percent of it. This high cost for laying tile and inspecting is due to large stones and water encountered which delayed the tile laying.

District No. 67: Moore st. from Broadway to Pontiac st., was established been \$13.80. Similarly I am now prethis year and all plans, specifications, paring plans for a sanitary sewer to etc., were prepared. It is an eight run from Chapin st. to Seventh st. inch vitrified til sewer with eight by through he valley lying between Milfour inch sanitary tees placed in the ler ave. and Huron st. and to furnish line of the sewer to receive the con- the sewerage for Seventh st. between nection from each building site. It Miller ave. and Huron st. and for empties into the ten inch vitrified tile Bath st., Mineral st., and other Moore st. 7, 1914. The cost has been distribut- cil and built at some future date. ed as follows:

Total\$634.22 Five percent of the above contract Laying tile and inspecting.... 12.63 cost, or \$29.16 has been retained un-Engineering \$20.93 til one year after acceptance, becoming due on Dec. 7, 1915. The cost for engineering, laying tile, and in-Total\$271.15 for engineering, laying tile, and in-Of the above contract cost five per-specting is 8.7 percent of the contract cost.

7, 1914. The cost for engineering, were built on the above streets this laying 12e, and in pecting is 14.1 year in what is now "Scottwood addition to the city of Ann Arbor," each emptying into the eight inch sanitary to Catherine st. was established this sewer on Austin ave. built in District structed by Aessrs. Schumacher and Backhaus of this city workingg on a cost plus percentage basis for the property owners. The city furnished part of the engineering labor and the labor for laying and cementing the tile which together amounted to \$43.54. The city will be reimbursed the full amount of this cost by Mr. C. W. Spooner. Four inch connections tion was run to the curb line for each building site in this district.

Brookwood Place Sanitary Sewer: The sanitary sewer on Brookwood Place was extended by private parties and in order to insure that the same be properly laid the city paid \$5.12 for engineering labor and labor for laying tile and inspecting. This short extension was made by Messrs. Raab and Robbins of this city. Eight by four inch branches were left to receive the connection from each build-

ing site. Future Construction: Acting under the direction of the Sewer Committee of the Common Council I have prepared plans for a sanitary sewer on Jones and Mill streets to empty into the Broadway sewer. The cost to date for engineering on this sewer has sewer on Broadway at the foot of streets lying west of Seventh st. This The contract was let to sewer will empty into the sewer on Messrs. Dederich & Eddy of Saginaw Chapin st. The cost to date for enwho have completed the work and gineering has been \$125.42. These were allowed a final estimate on Dec. sewers are to be ordered by the Coun-

Sewer Connections: The records in

curb line for the house at the north- year has cost \$768.32, including all west corner of Liberty st. and Ashley labor, material, and tools, and the st., but when excavation was made at amount paid to the Ann Arbor Water the point of recorded location same department for water for flushing. could not be found. Acting under The trunk sewer from Edwin and your direction, I had a connection State along State, Packard, E. Univerbuilt to replace the one which could sity, Prospect, across private ground, not be located at a cost of \$41 32.

termined that there was no sanitary versity again was cleaned throughout sewer connection available for the its length. In addition it was necesproperty of the Seventh Day Adventist sary to clean sewers in forty-eight Church, which is located on Church separate places scattered in all parts st. near Prospect st. Acting under the of the city. This is more than doudirection of the Common Council, a ble the number of such cleanings in four inch connection was extended 1913. In five places it was impossible from the Prospect st. sanitary sewer to clean the sewer between existing to the east curb line on Church st. in manholes and it was necessary to dig front of this property. The total cost down to and break open the sewer. of same was \$37.24.

Ave.: After the construction of the and it will be necessary to clean again heating tunnel from the new Univer- from the same place. This cost has sity power house to the Campus, arbeen distributed as follows: rangement; were made whereby the Cleaning city was to repair the sanitary sewer and pavement at the above intersection and be reimbursed for the cost of The repairs to the sanitary sewer were made under my direction at a cost of \$90.84 which was refunded to the city by the Jas. Stewart & Co. together with the cost of repair- been the entrance of roots through ing the pavement.

Street Raising Manhole at Wall During the high water in ed: the Huron river last spring, the wa- and reported in mr report for last ter flowed over the top of and into year, the following amounts, being the manhole on the east bank of the the five percent which was retained Huron river just south of the Wall for one year, have been expended: St. Bridge, raising the elevation of the Dist. 52, Hiscock st.......\$ 14.44 water in the Wall st. sewer to that in Dist. 54, W. Liberty st....... 53.44 the Huron river. In order to pre- Dist. 58, W. Huron st....... 8.34 yent a reoccurrance of this, and act- Dist. 59, East Ann st....... 36.94 ing under the direction of the Council, this manhole was raised to put the top on the same elevation as that of the manhole on Wall st. west of the bridge and thoroughly waterproofed. A lamphole on the west bank of the river at this point was also made water tight. The total cost of this work was \$12.86.

Tapping Sanitary Sewers: your action in July ordering that all the house branch and into the main sanitary sewer tapping, or making sewer and of the Y and curve, in that connection at places other than where the sewage from the house branch has a regular opening is provided for such a velocity in the direction of flow in connection, be done by a man in the the main at and time of entering the employ of this department, the total main. cost of making such connections has been \$12.41.

isting sanitary sewers during the past page:

Forest ave., Oakland, Church, and Before paving Church st., it was de- Willard in the order named to E. Uni-In all these places a manhole was Repairing Sewer and Pavement at built because the roots which were Washtenaw Ave. and North University cut off will undoubtedly grow again

Cleaning															\$364.82
Five new	1	m	12	ır	11	1	o.	le	S				٠.		197.74
Flushing															173.88
Repairing													•		18.82
Inspecting															

Total\$768.32

. The greatest cause for cleaning has joints.

Payments of Five Percent Retain-Cn sewers completed in 1913

Total\$113.16

Sanitary Tees: All of the eight by four inch branches p'aced in the line of sanitary sewers built by the city this year to receive the four inch house connections have been "sanitary tees." There combine the advantages of the ordinary tee, in that rods in Since cleaning may be pushed clear through

Summary: A summary of the sanitary sewers completed this year is Maintenance: Maintenance of ex-shown on the table on the following

		Contractors	E. L. Schneider Tochrein & Co. Dederick & Eddy Toderick & Eddy Dederick & Eddy Dederick & Eddy
		When Due	16, 1915 ained 16, 1915 6, 1915 6, 1915 7, 1915 7, 1915 7, 1915 7, 1915 7, 1915
	VG 1914	5 Per Cent Retained on Contract	53.09 Feb. not ret. 175.73 Feb. 357.98 July 27.18 Feb. 134.12 July 232.06 July 7.53 Feb. 217.94 Aug. 34.29 Oct. 11.88 Dec. 19.10 Dec. 29.16 Dec.
	DURING	Amount of Contract	1061.80 2298.85 3607.98 7159.59 7159.59 748.61 4641.18 150.60 4358.81 885.83 237.15 382.08 583.24 583.24
	BUILT	Property to Pay	1024.41 22554.41 3290.71 69390.71 511.91 139.93 33.65.11 228.60 3 69.52 4 99.52 259 31.85
	SEWERS	City to Pay	57 134.16 81 178.40 29 571.58 78 716.18 70 261.55 19 830.73 14 15.21 78 1293.17 98 116.48 15 42.55 16 42.55 17 42.55 18 42.55 19 54.71 10 54.71 11 54.71 12 54.71 13 54.71 14 54.71 15 54.71 16 54.71 17 54.71 18 54.71 19 54.71 10 54.71
	SANITARY SE	Total Cost	1158 2432 3862 3862 7656 774 4863 4665 1550 634 8365 83
		Light Holes	104000 10 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0
	OF	Length of Main Total Length House Connections	80 2486 2486 7186 7186 7186 2551 101 330 3146 647 255 255 2428 742 23282
	SUMMARY	No. House Connections	
	DMM	District	51 *41 53 66 55 *78 56 *244 57 6 60 *93 62 *5 62 *5 63 *11 66 *10 66 *10 67 *16
	S		and W. Washington 2. and Washtenaw rd e., Oswego to 210 ft. E. 4th Ave., Philip St. ne, Detroit and Fourth ne, Clark to 100 ft. E. enth and Eighth trth and Fifth Sts. rth Str. Catherine to Ann St. Str. St
		Streets and Limits	St., Main to Spring Ve. and W. Washington Ave. and Washtenaw Ward Ave., Oswego to 210 ft. St., 4th Ave., Philip St. Lerine, Detroit and Fourth lerine, Clark to 100 ft. E. Seventh and Eighth Fourth and Fifth Sts frourth and Fifth Sts t., Catherine to Ann St. St., Broadway to Pontiae Stannches only.
		s	d W. ind W. Osweg b Ave., Detroi Clark n and n and merine oadway
		Street	Ave. Ave. Ave. Ave. St., St., St., St., St., St., St., St.
		-	Summit Crest A Austin Third Ceddes Brown S E. Cath E. Cath E. Cath Sixth, S Third, J Packard First St Moore S

STORM SEWERS AND CARE OF er was let to Mr. E. L. Schneider who STORM WATER.

The only radical change in storm sewer construction this year has been the letting of all such work to contract while in 1913 all storm sewers were built by city labor. This is due to the fact that this year sewers have been ordered and built on streets to be paved in the future while last year the sewers were ordered in connection with the pavements and built the same year as the pavements.

Cambridge Road: The Council, on August 17th, 1914, ordered that t enty-four inch storm sewer be built on Cambridge road from Forest ave. to Lincoln ave. Plans, specifications and estimates were prepared and the contract was awarded to Mr. E. L. Schneider who has completed the work and was allowed a final estimate on Nov. 18th, 1914. This is a twenty-four inch vitrified tile sewer emptying into the sewer of the same size and material on Forest ave. at the corner of Cambridge road. In all except three places where the inlet was very close to the main sewer pipe, twelve inch vitrified tile extensions have been made to the inlets from manholes so that they may be easily cleaned. In these three places, where close to the main sewer pipe the inlet was connected directly into the sewer The costs of this work have been distributed as follows: Contract cost\$2,265 26 Laying tile and inspecting... 42.87 89.09 Engineering

Total\$2,397.22 Of the above contract cost, five percent or \$113.26 has been retained until one year after acceptance and becomes due Nov. 18th, 1915. The Laying tile and inspecting... cost for engineering and laying tile Engineering and inspecting is 5.8 percent of the contract cost.

West Jefferson St.: The Council, on August 17th, 1914, also ordered that a twenty-four inch storm sewer to be built on W. Jefferson st. from Second st. to Third st. fications and estimates were prepared contract cost. for a twenty-four inch vitrified tile on Jefferson st. the main sewer pipe, making whole construction accessible cleaning. The contract for this sew- contract for this work was delayed

has completed the contract and was allowed a final estimate on Nov. 18th, The distribution of costs has 1914. been as follows: Contract cost\$1,021.47

Laying tile and inspecting.. Engineering

Total\$1,095.62 Five percent of the above contract cost of \$51.07 was retained until Nov. 18, 1915, which is one year after acceptance. The cost of engineering and laying tile and inspecting is 7.2 percent of the contract cost. The cost for engineering alone, which is 5.5 percent of the contract cost, includes a preliminary survey of and computation of sizes for the whole distrtict lying west of Secon st. and south of the divide between William and Jefferson st.

North Division St.: Storm sewer from Detroit st. to Ann st. was ordered by the Council on Sept. 21, 1914, to care for the storm water on the north end of Division st. Plans, specifications, etc., had been prepared prior to that date and the contract was awarded to Messrs. Dederich & Eddy of Saginaw, who have completed the work and were allowed a final estimater on Dec. 9, 1914. This is a fifteen inch vitrified tile sewer from Detroit st. to Catherine st., and a twelve inch vitrified tile sewer from Catherine st. to Ann st. It empties into the eighteen inch tile drain on Detroit st. All inlets discharge into manholes through twelve inch tile extensions, making the whole easily accessible for cleaning. The costs for this sewer have been distributed as follows: Contract cost\$2,217.76 Laying tile and inspecting.. 42.72

Total\$2,309.81 The customary five percent of the contract cost, being \$110.89, was retained until one year after acceptance. The cost for engineering, laying tile Plans, speci- and inspecting is 4.2 percent of the

Madison St., Division St. and Jefsewer emptying into the twenty inch ferson St.: Storm sewer running sewer running east from Second st. from Allen's creek at Madison st. and The inlets all dis- Fourth ave. to Jefferson st. and State charge into manholes through twelve st. and Fourth ave. to Jefferson st. inch vitrified tile extensions, except in and State st. in the above streets in the case of one inlet which sets very the order named was ordered by the close to and discharges directly into Common Council on Sept, 21, 1914, to the and on Division st. between Jefferson for st. and Packard st. The letting of the

by the Council until Nov. 2d, 1914, when same was let to Messrs. Deder-The work is not yet ich & Eddy. completed but has progressed onMadison st. and on Division st. nearly to Jefferson st. The cost to date has been distributed as follows: Paid to contractors.....\$1,683.37

75.86 Laying tile and inspecting... 66.24 Engineering

Total\$1,825.47 E. Jefferson St.: Storm sewer from Fifth ave. to Hamilton Place, to care for the storm water on Jefferson west of Division st. was ordered on Sept. 21, 1914, and the contract awarded to Dederich & Eddy on Nov. 2d, 1914. No work by the contractors has been the engineering cost to date has been \$5.46.

Hill St. at Church st.: Before paving at the intersection of Hill st. manhole on the south side of the car From inch tile running east. the manho'e on the north side of the car structed. this street. extensions was \$52.71.

Care of Storm Water in Connection with Pavements: the pavement on Church st., a manhole was built in the storm sewer at First flowed over the inlet placed the corner of Church st. and S. Uni- there to receive it and carried mud Enlet was lowered at the corner of freezing in cold weather and making Willard and Church st. at a cost of this steep walk dangerous. with the improvement. sewer on this street had been built in was \$33.84. 1911 and 1912.

to replace one of them. Main st. and Ashley st. cost of \$59.64.

General Care of Storm Water: Due to the building of the new University Power House on property onto which storm water had formerly been discharged, it was necessary to make arrangements for the care of such water at the low point in W. Huron st. between Glen ave. and Fourteenth st This was done by building a large catch basin which receives the discharge from two in ets and overflows into the sanitary sewer at that point. It is intended only as a temporary relief until such time as a storm sewer may be built to relieve the situation. Authority for this construction was given by the Common Council on The cost was \$152,21. Feb. 3, 1913.

On Arch st. at the corner of Packcommenced on this sewer as yet, but ard st., a large catch basin was built, one new inlet extension constructed therefrom and two new inlets placed to care for the water which came down Arch st. and ran west on Packand Church st., extensions were run ard st. covering the pavement with from the storm sewer on Church st. sand and silt. At the corner of State in each direction on Hill st. to the end and Arbor a new inlet was placed of the paving returns. From the and on Packard st. between State and Arch st. two new inlets, one of them tracks the extension is of eighteen requiring an extension of about thirty feet of twelve inch tile were con-This work all had for its track the extension is of twelve inch object the care of water which fortile running west. These are for the merly came to the low point in Packcare of storm water on Hill st. at ard st. between State and Arch st. some future time before the paving of in such volume that it flowed over the The total cost for these curbing and into cellars in this loas \$52.71. Cality. The total cost was \$168.40.

Storm water from the alley run-In connection with ning north and south from Liberty to Washington and between Ashley and versity ave. at a cost of \$21 89 and an and sit onto the walk on Liberty st., These items, in addition to taken care of by extending the inlet \$49.93 spent in 1913 for resetting in- run north in the alley about sixty feet lets makes a total cost of \$74.92 for to receive the roof water from Hertcare of storm water in connection ler's building which caured the major The storm part of the trouble. The total cost

On First st. just north of Washing-On west Ann st. between Main st. ton st. it was necessary to repair and and First st. it was necessary to reset put a cover on the old storm water the two inlets at the corner of First cistern at a cost of \$7.83. At Liberty st, to the new curb line and grade and st, and Third st a low point was form-This was ed in the pavement at the time of done at a cost of \$15.65. It was also building and a small inlet was placed necessary to run an extension from to care for the water which stood the main storm sewer in W. Ann st., there, after every rain, at a cost of which was built in 1902, and place an about \$7.00. Tile was furnished two inlet just south of Ann st. in the al- property owners on Cambridge Rd. ley running north and south between for the construction of driveways This ex- across the open storm water ditch extension and inlet was completed at a isting there at a total cost of \$5.33. The engineering cost of investigating

was \$5.03.

Sewer Maintenance: The Storm largest single item of storm sewer maintenance was necessary repairs to the W. Ann St. Storm Sewer. This sewer empties into Allen's Creek from private property. This private property had been filled and the filling rolled down over the end of the sewer until same was entirely covered up. The end was uncovered and extended north to the line of the nearby culvert under the Ann Arbor Railroad where a small wall of stones from the dump was laid up to prevent the recovering of the sewer end. A manhole at the bend of this same sewer west of has not kept pace with other public First st., which had also been covimprovements. ered in filling, was uncovered and built up above the level of the sur- sewers built this year is given on the rounding ground. The cost of this following page:

storm water conditions not relieved work with the other items of storm sewer maintenance are as follows:

Repairs W. Ann st. (including	
manhole)\$	101.71
Other repairs	31.69
Adjusting inless to curbing (not	
including Church st. or Ann	
st. as given above)	11.91
Replacing broken inlets	2.96
Cleaning	.83
•	

Total

Need for Storm Sewers: Still continues in many parts of our city and should be given consideration. extension of the storm sewer system

Summary: A summary of storm

Contractors	E. L. Schneider E. L. Schneider Dederick and Eddy Dederich and Eddy City Force Account	12,986.96 34,931.94 10,489.40 11,867.30 24,166.12 82,089.30 20,022.31 54,369.77 51,218.16
4	, 1915 , 1915 , 1915	а п
When Due	7. 188 9, 9,	906 907 908 909 910 912 913 914
N I I	Nov. Nov. Dec.	
5 Per Cent Retained on Contract	\$2397.22 \$2265.26 \$113.26 1095.62 1021.47 51.07 2309.81 2217.76 110.89 1825.47 (Cost to Date) 5.46 (Cost to Date) 33.84 59.64 \$5504.49 \$275.22	pavements and Ann Arbor to ing to the year ws: \$\$\text{\$\texit{\$\text{\$\exitit{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{
5 5	\$2265.26 \$1 1021.47 1021.776 17 (Cost to I 6 (Cost t	of pave in Ann cording follows:
M Amount of Contract	6 \$2397.22 1 1095.62 7 2309.81 1825.47 33.84 59.64 59.64	()
Manholes 2 Special Alley	917 4	l cost
	14 4 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	The total cost ers completed a completion as or to 1900 0 1 2 3 4 4 5
Length of Inlet		he errs compound is
	n 987 339 1480 -	The sewer date of co Prior 1900 1901 1902 1904 1905
Length of Main	St., Second to Third Sts	and pave- Arbor to improve- 326,362.19 212,851.54 66,470.91
	Ave. to Lincto Third Sts to Ann Sts Jefferson Sts St.	IMMARYOFSEWERSANDPAVEMENTS.The total cost of sewers and paveents completed in Ann Arbor to the is divided among such improvents as follows:\$326,362.19Ivements\$326,362.19nitary sewers\$6,470.91Total\$605,684.64
Limits	est Ave. to nd to Third it to Ann \$\frac{1}{3}\$ d Jefferson y St.	SEWERS ENTS. sewers an Ann Ang such in \$32\$32
T pu	Forest Second betroit than 3t. Berty Shin St.	
Street and	d, Fo Secondary Detrion at Fifth Liber Ann	OF OF Strong
Z.	Roa St., St., St., St., Son, b of h of s s s s s s s s s s s s s s s s s s	PAVI PAVI L cost pleted alded a sollows:
	ridge sfferson vision on, D Jeffers North South	ARY P total comple divide as follo ents y sewers
	Cambridge Road, Forest A W. Jefferson St., Second to N. Division St., Detroit to Madison, Division and Jeffast Jefferson, Fifth Alley, North of Liberty St. Alley, South of Ann St.	SUMMARY OF SE PAVEMEN The total cost of sevents completed in date is divided among ments as follows: Pavements

PUBLIC IMPROVEMENTS OTHER west side of the sidewalk. THAN PAVEMENTS AND SEWERS.

Additional Rooms in the City Hall: In order to make room on the first floor of the City Hall for the new Water Works Department, the south end of the second floor, which had not heretofore been finished, was plastered and finished for the Board of Public Works and the City Engineer. The arrangement is the same as the former offices on the first floor. These former Board of Works and City Engineer's offices were rearranged and refinished for the Water Works Department. Plans and specifications for the work were prepared by this Department and the contract for same was let to Mr. John Koch who has completed the work and been paid in full. The costs of this work, exclusive of amounts paid by the Water Works Department in moving and fitting up their new offices, have been as follows: Contract cost\$1,763.26

Plans, specifications and sup-

48.01 81.83 Moving Engineer's Dep't... 39.20 149.05 52.26

Total \$2,133.67 Seventh Ward Public Hall: At the Seventh Ward Public Building or Voiing Place, a toilet and washstand was installed and a small room built for sam. Plans and specifications were prepared by this Department last year but the contract was not let nor

10.00 Water tap

Total \$151.30 Broadway Viaduct: On Broadway, between the bridge over the Michigan Central Railroad tracks and the bridge over the Huron River, a concrete sidewalk was constructed along the east side of the roadway. Due The cost to the City of all new and to the topography of the ground, 360 reconstructed improvements comfeet of this walk is reinforced concrete construction with one edge Pavements and sewers as resting on the ground and the other edge supported on posts spaced Repaving State street ... 4,572.98 twelve feet apart. A two-inch iron pipe railing was constructed along Rearranging City Hall ... 2.133.67 each side of this walk and on the Seventh Ward Public Hall ... 151.30 west side of the roadway the old wooden fence was replaced with the roadway that was formerly along the of the above aparts 11.007.55 railing that was formerly along the

plans and specifications for this walk were prepared by this Department. The contract for the walk with the railing along the east edge of same was let to E. R. Schaffer. The contract for the railing along the west edge of the walk was let to Hutzel & Co. and the moving of the old railing to the west side of the roadway was oone by this Department. All of the work is completed and the costs have been as follows:

ing along walk 246.56 Cost of moving old railing to W. side of roadway 37.00 Whitewashing east face of walk (city force acc't)... 7.83 Engineering and inspecting 59.41

Total \$1,757.24 Maintenance: At Broadway Bridge, it was necessary to tighten two eye bars with wedges to strengthen and pre-vent rattling. Also to refasten the post of the hand rail at the southwest corner of the bridge, same having rusted out and left that side of the bridge dangerously unprotected. This work was done at a total cost of \$9.19.

The Wall st. bridge was pointed up and whitewashed at a cost of \$13.60.

The roof of the small garage at the rear of the City Hall was repair-ed with a higher flashing along the building abutting on the west. The cost was \$8.70.

Sidewalk and Curbing Grades: Sidewalks and curbing except in paving district, are built by the property owners by private contract, the City only furnishing the line and grade for same. The cost for Engineering in furnishing these lines and grades this year has been \$564.04, which is an increase of \$117.44 over the cost for the same work a year ago. The work has been scattered in all parts of the City.

SUMMARY OF YEARLY COST OF ALL PUBLIC IMPROVEMENTS.

pleted this year has been as follows:

per previous summary...\$51,218.16

Of the above amount, \$13.987.15

pleted until 1914. In 1914 there has Council has necessitated expenditures been expended \$2,238.73 on This which is not yet completed. This leaves the net amount paid in 1914 for public improvements \$48,084.93. This work has all been designed, laid out, superintended, etc., by this Department. In addition plans specifications and estimates have been prepared for work which is estimated to cost \$33,140.00.

GENERAL.

Street and City Property Surveys: Surveys have been made in several parts of the City and grades determined for streets together with the estimated cost, in some ome cases, of This work has grading accordingly. cost \$61.16. New Signs were placed at all street intersections during the past year in connection with which a list of signs needed was prepared by this Department at a cost of \$26.27 To insure no encroachment of a rebuilding on the cently constructed City Yards, the east line of same was determined and marked at a cost of \$6.88. For the purpose of subdividing an unused portion of Fairview Cemetery into additional lots, a survey was made at a cost of \$3.48 and when the frost goes out of the ground these lots will be laid off on the ground.

Sprinkling Streets: Mr. Gutekunst was awarded all contracts for sprinkling streets again this year, the contract costs being as follows:

District No. 11\$1,796.90 District No. 12 920.00 950.00 696.00 District No. 15 450.00

Total \$4,812.90 In addition to the above, \$48.22 was expended to move the stand pipe from the corner of Hill and East University to Oakland ave. and Tappan sts. and \$13.45 to change the gate valves on all stand pipes to disk globe valves, in order to stop leakage and dripping.

For sprinkling of streets just before sweeping, a new stand pipe was erected at the corner of Liberty st. and Third st. to serve the west side pavements. The cost was \$57.92. The cost of water for sprinkling pavements prior to sweeping was \$191.58.

In this connection I would suggest that the oiling of soms of our graveled roads would be a very great and more lasting benefit than sprinkling with water.

Steere Farm: Further work at the Steere Farm during 1914, done under labor employed during this year, in-

was spent in 1913 on work not com- the direct orders of the Common work as follows:

Map and description for pur-	
chase\$	13.42
Gauging wells	71.75
Cleaning ditches	14.81
Information for survey	5.49
Estimates and specifications	
16-foot well	76.92

Total \$182.39 Municipal Lighting: At the direction of the Common Council I am preparing an estimate of the cost for which the City of Ann Arbor could generate electricity and do the street lighting now contracted for. cost to date of this work has been \$4.75.

Work for Other Boards: For the Park Board and the Board of Water Commissioners, during the past year, we have set stakes measured coal piles, furnished records, etc., at a cost as follows: Park Board\$ 2.14

Water Board 60.98 Total \$63.12 Accidents: During this year only one accident occurred to labor working under this Department. In this

case a heavy pump dropped on Mr. Loehrke's to,e breaking it. Loehrke lost no time and his doctor bill was paid by the Insurance Conipany.

Engineer's Office: The amount chargeable directly to your Engineer's office this year, including all equipment and supplies purchased and all that part of my own time and the time of my assistants spent in attending to correspondence and routine office work, office accounting, keeping office maps up to date, compiling records of all work done, indexing and filing records, numbering houses, repairing and adjusting instruments, inspecting plumbing, attending Board or Council meetings, etc., etc., has been distributed as follows:

Office equipment (new and	
repairs)\$	109.37
Office supplies	110.58
Surveying equipment, (new	
and repairs)	47.92
Surveying supplies	49.98
Other tools and supplies	21.36
Express, carfare, livery, tolls	4.90
City Engineer's time	1,001.70
	642.54

Total \$1,988.31 The total cost of all engineering

9	0	1
0	4	1

. Common cooncin	0111.01111. 10, 1010.
	19 loads gravel at \$0.25 4.75
shown by the sum of my twelve monthly reports, was \$3,860.67.	3 loads gravel (delivered) at \$1.25
Needs of Department: If your Engineer's Department could be sup-	11 loads gravel (washed) at \$1.13
plied with a light motor conveyance suitable for carrying four or five men	Total \$ 717.83
with instruments, much time would	Repairs pavement intersec-
be saved. Such a conveyance would	tion east and North Uni- versity avenues, labor and
save its cost in one season's work and would greatly increase the efficiency	materials (paid by the
of the department as well.	University)\$ 317.27
I would again suggest that all gas and water mains be laid out accur-	Grading dirt streets with scraper, labor 129.12
ately with a transit and an accurate	Grading dirt streets with
record of their location kept and	street drag, labor 109.50
furnished to this office. Much annoyance and expense would be saved by	Tarring concrete and block pavements, labor\$ 920.91
such a plan.	12200gals.tar at \$0.05 610.00
	12 3-4 cars washed gravel
Office of Street Commissioner, Ann	(318 loads) 159.38 3 loads washed gravel
Arbor, Mich., Jan. 6, 1915. Hon. Board of Public Works, Evart	(local) at $\$0.25$ 0.75
H. Scott, President: Gentlemen:-	2 loads washed gravel (de-
I herewith submit the annual report	livered) at \$1.25 2.59 Wood
of the Street Defartment for the year ending with December, 1914, includ-	
ing care of streets, and sidewalks,	Total \$ 1,706.39
building and repairs sidewalk ex- tensions, crosswalks, culverts, inlets,	Grading, graveling and patching dirt streets in
etc., paving work, and the amount of	the several wards, labor. \$ 4,481.43
cement, gravel and other materials	Total \$ 4,481.43
used.	Gravel—
STREET WORK—Cleaning paved streets, la-	2617 loads at \$0.25\$ 654.25
bor\$ 5,318.98	442 loads at \$0.10 44.10
(Of above, 503.61 was used for general spring	34 loads at \$0.20 3.40 349 loads at \$0.15 52.35
cleaning of paved strets.)	87 loads at \$0.50 (de-
Cleaning alleys, labor 31.80	livered) 43.50
Sprinkling paved streets, labor 5.00	3529 loads\$ 797.60
Cleaning leaves from paved	
streets, labor 205.04	\$ 5,279.03 Cleaning gutters on dirt
Taking care of snow, labor— Cleaning snow from cross-	streets, labor\$ 2,383.52
walks, gutters and inlets.\$ 658.54	Cleaning leaves from gut-
Plowing snow from side- walks 903.42	ters on dirt streets, labor 290.58 Cutting leaves from streets
walks 903.42 Plowing snow from gutters 37.27	and lawn extensions in
Cleaning snow from park	the several wards, labor. 338.79
walks 8.81 Salt for extensions, inlets,	Setting street signs, labor \$ 146.53
etc 5.65	Use of auto. 5 weeks 10.50
ACCOUNTS AND ADDRESS OF THE PARTY OF THE PAR	Paint, etc. 4.00 Lumber 40.81
Total \$ 1,613.69 Repairs concrete and block	10.51
pavements and laying	Total \$ 201.87
brick at intersections to	Total, Street Work\$18,887.03
match with new paving work, labor \$ 640.16	CULVERTS—
1088 paving blocks at \$19.00	Cleaning culverts, labor-
per M	
123 sacks cement, 30.75 bbl. at \$1.14 35.06	Arch and open ditch Ed- win and Division\$ 119.35
4 loads sand at \$0.25 1.00	Division and Hill 3.06
	•

Madison and 4th avenue 7.1	
5th street and William 6.4	4 gutters in street inter- - sections, 3 brick and
Total \$ 135.9	6 cement platforms for
Repairs culverts, labor— 2d bet. Liberty and William \$ 11.3	sprinkling standpipes, la- bor \$ 767.80
Spring north of Miller ave.	56 loads gravel at \$0.25 14.00
and Chapin 9.6 Spring, bet. Hiscock and	7 5 loads gravel (delivered) at \$1.00 5.00
	2 12 loads gravel (delivered) at \$1.25
Railing Jefferson and A. A. R. R. R	at \$1.25 15.00 4 1 load sand 0.25
Railings Fountain and Mil-	3 loads filling at $\$0.25$ 0.75
ler ave. 9.8	1 Lumber 38.25 - 406 sacks cement, 101.5
Total \$ 49.7	
5 pc 24" tile (Spring st.)\$ 10.5 Lumber for railings 2.5	
16 sacks cement, 4 bbl. at	Total \$ 991.64
\$1.14 4.5 2 loads gravel at \$0.25 05	
	- 7 pieces Thompson & Son\$ 38.85
Total \$ 67.6	
Total, Culvert Work\$ 203.8	
SIDEWALKS— Grading for sidewalks in the	Total \$ 51.81
several wards, labor\$ 481.3	5 Repairs bridges, labor (side-
Sidewalks built by city under contract—	1- walk No. 1 bridge)\$ 0.84 Cleaning crosswalks, labor. 90.30
For property owners:	Unloading cars cement,
Thos. Hession, contractor, 4 pieces, 2 East Huron,	gravel, brick, etc., hand- ling and shipping empty
2 South Fifth ave.,	cement sacks, labor 282.65
248.166 lin. ft., 1315.08 square ft. at \$0.10\$ 131.3	Cleaning bridges, labor 15.17
Thompson & Son, con-	Setting 3 drinking fountains,
tractors, 6 pieces, one East Minerva, Olivia,	labor\$ 35.36 2 loads gravel at \$0.25 0.50
William, 3 East Ann,	1 load gravel (delivered) 1.25
287 lin. ft., 1435.5 sq. ft. at \$0.10	21 1-2 sacks cement, 5.38 6 bbl. at \$1.14 6.14
Thos. Hession, contractor,	Hauling 9.69
2 pieces driveway and curb South Fifth ave.	Total \$ 52.94
(ordered by Council) 23.9	0 Piling block from State st.
Sidewalks for city account: Thompson & Son, con-	repaving at city yard, labor \$83.16
tractors, on east side	Unloading pitch, \$7.56; un-
First, north of Liberty, 118.416 lin. ft., 592.08	loading gravel, \$10.14; la- bor
square ft. at \$0.10 59.	1
Total \$ 358.	Total Crosswalks, etc\$ 1,586.21 INLETS, STORM WATER SEWERS,
Total, Sidewalk Work\$ 839.	ETC.—
CROSSWALKS, SIDEWALK EX	Repairs and cleaning infects,
TENSIONS, STORM WATER GUT	laying tile in gutters, etc.,
TERS, ETC.— Building crosswalks, side-	labor
walk extensions, storm	2 loads gravel at \$0.25 0.50
water gutters, etc., in the several wards; 11 new	13 1-2 sacks cement, 3.38 bbl. at \$1.14 3.86
crosswalks, 54 extensions,	
17 crosswalks relaid or repaired, 10 extensions	Total \$. 376.05 Cleaning catch basins and
TV CATCHS!UHS	creating catch basins and

inlets, labor 132.67	etc 1,447.49
City Engineer's department	General work 324.38
	Paving 20,173.96
acct., labor 938.77	Cumpling 1,007,00
	Supplies 1,397.38
Total Inlets, etc \$ 1,447.49	
GENERAL WORK AND REPAIRS-	Total \$44,859.54
Miscellaneous work and repairs at	No. of culverts repaired 6
	No. of crosswalks built11
dinerent points in the city, labor:	No. of sidewalk extensions built
Various small jobs \$ 17.35	
Filling street sweeper brooms	(by city)54
and repairs sweepers 88.20	No. of sidewalk extensions built
Removing ashes from base-	(by contract) 7
ment of city hali 10.56	No. of crosswalks repaired or re-
	laid
Handling materials 21.56	No of outonsions managed 13
Handing coal for poormaster. 5.36	No. of extensions repaired13
Filling around house N. E.	No. of platforms laid at standpipes
cor. First and Liberty 6.50	for sprinkling 3
Work on sprinkling tank 11.16	Pieces of curb repaired and set 2
Various small repairs side-	No. of storm water cement gutters
	at intersections 7
walks 11.25	
Repairs cement mixers 44.53	(Abt. 238 lineal feet.)
Repairs snow plow and haul-	No. of cement sidewalks built by
ing, \$24.56; iron work on	city under contract for property. 10
snow plows, \$10.95 35.51	No. of sidewalks city acct. (First
Work on tops wells, Broad-	street) 1
	(653.582 lin. ft.; 3342.66 sq feet.)
way, \$9.32; new pumps,	
\$11.80 21.12	No. of sidewalks repaired at cul-
City Engineer Dep't, acct:	verts, alleys, etc 8
Posts, fence, etc., Broadway	No. of square yards of pave-
between briges\$ 20.39	ment laid
Steere farm 6.00	No. of notices served:
Other work 1.26	To repair sidewalks45
Other work 1.20	To remove obstructions in streets.15
m / 1	To fill holes in streets 7
Total \$ 27.65	To bit motes in streets
Repairs tools\$ 1.67	To cut weeds 5
Painting wagons 5.90	To clean snow 3
Repairs steam roller 10.06	
	Total 75
Total \$324.38	GRAVEL ACCOUNT—
2000	Loads
Total, General Work\$324.38	Gravel and patching streets in
PAVING—	the several wards3523
Paving District No. 30,	the several wards3529 Crosswalk and extension work 91
	the several wards
Paving District No. 30, Church street\$15,538.03	the several wards
Paving District No. 30, Church street\$15,538.03 Repaving State street, Lib-	the several wards
Paving District No. 30, Church street\$15,538.03 Repaving State street, Lib- erty to William st 4,500.65	the several wards
Paving District No. 30, Church street\$15,538.03 Repaving State street, Lib- erty to William st 4,500.65 Paving Dist. No. 32, Ann,	the several wards
Paving District No. 30, Church street\$15,538.03 Repaving State street, Liberty to William st 4,500.65 Paving Dist. No. 32, Ann, Main to First, curbing	the several wards
Paving District No. 30, Church street\$15,538.03 Repaving State street, Lib- erty to William st 4,500.65 Paving Dist. No. 32, Ann,	the several wards 3529 Crosswalk and extension work 91 Drinking fountains 3 Pavement repairs 33 Pavement repairs East and North University 35 Culverts 2 Repairs inlets, etc 2
Paving District No. 30, Church street\$15,538.03 Repaving State street, Liberty to William st 4,500.65 Paving Dist. No. 32, Ann, Main to First, curbing and grading 235.28	the several wards
Paving District No. 30, Church street\$15,538.03 Repaving State street, Liberty to William st 4,500.65 Paving Dist. No. 32, Ann, Main to First, curbing and grading 235.28	the several wards
Paving District No. 30, Church street\$15,538.03 Repaving State street, Liberty to William st 4,500.65 Paving Dist. No. 32, Ann, Main to First, curbing and grading 235.28 Total Paving\$20,173.96	the several wards 3529 Crosswalk and extension work 91 Drinking fountains 3 Pavement repairs 33 Pavement repairs East and North University 35 Culverts 2 Repairs inlets, etc 2
Paving District No. 30, Church street\$15,538.03 Repaving State street, Liberty to William st 4,500.65 Paving Dist. No. 32, Ann, Main to First, curbing and grading 235.28 Total Paving\$20,173.96 PAVING YARDAGE—	the several wards 3529 Crosswalk and extension work 91 Drinking fountains 3 Pavement repairs 33 Pavement repairs East and North University University 35 Culverts 2 Repairs inlets, etc. 2 Tarring old pavements 323 Total 4013
Paving District No. 30, Church street\$15,538.03 Repaving State street, Liberty to William st 4,500.65 Paving Dist. No. 32, Ann, Main to First, curbing and grading 235.28 Total Paving\$20,173.96 PAVING YARDAGE— District No. 3012253.12 sq. yds.	the several wards
Paving District No. 30, Church street\$15,538.03 Repaving State street, Liberty to William st 4,500.65 Paving Dist. No. 32, Ann, Main to First, curbing and grading 235.28 Total Paving\$20,173.96 PAVING YARDAGE—	the several wards
Paving District No. 30, Church street\$15,538.03 Repaving State street, Liberty to William st 4,500.65 Paving Dist. No. 32, Ann, Main to First, curbing and grading 235.28 Total Paving\$20,173.96 PAVING YARDAGE— District No. 3012253.12 sq. yds. Repaving State 2351.62 sq. yds.	the several wards
Paving District No. 30, Church street\$15,538.03 Repaving State street, Liberty to William st 4,500.65 Paving Dist. No. 32, Ann, Main to First, curbing and grading 235.28 Total Paving\$20,173.96 PAVING YARDAGE— District No. 3012253.12 sq. yds. Repaving State 2351.62 sq. yds. Total 14604.74 sq. yds	the several wards
Paving District No. 30, Church street\$15,538.03 Repaving State street, Liberty to William st 4,500.65 Paving Dist. No. 32, Ann, Main to First, curbing and grading 235.28 Total Paving\$20,173.96 PAVING YARDAGE— District No. 3012253.12 sq. yds. Repaving State 2351.62 sq. yds.	the several wards
Paving District No. 30, Church street\$15,538.03 Repaving State street, Liberty to William st 4,500.65 Paving Dist. No. 32, Ann, Main to First, curbing and grading 235.28 Total Paving\$20,173.96 PAVING YARDAGE— District No. 3012253.12 sq. yds. Repaving State 2351.62 sq. yds. Total 14604.74 sq. yds SUPPLIES—	the several wards
Paving District No. 30, Church street\$15,538.03 Repaving State street, Liberty to William st 4,500.65 Paving Dist. No. 32, Ann, Main to First, curbing and grading 235.28 Total Paving\$20,173.96 PAVING YARDAGE— District No. 3012253.12 sq. yds. Repaving State 2351.62 sq. yds. Total 14604.74 sq. yds SUPPLIES— Supplies, repairs, etc., ex-	the several wards
Paving District No. 30, Church street\$15,538.03 Repaving State street, Liberty to William st 4,500.65 Paving Dist. No. 32, Ann, Main to First, curbing and grading 235.28 Total Paving\$20,173.96 PAVING YARDAGE— District No. 3012253.12 sq. yds. Repaving State 2351.62 sq. yds. Total	the several wards
Paving District No. 30, Church street\$15,538.03 Repaving State street, Liberty to William st 4,500.65 Paving Dist. No. 32, Ann, Main to First, curbing and grading 235.28 Total Paving\$20,173.96 PAVING YARDAGE— District No. 3012253.12 sq. yds. Repaving State 2351.62 sq. yds. Total	the several wards
Paving District No. 30, Church street\$15,538.03 Repaving State street, Liberty to William st 4,500.65 Paving Dist. No. 32, Ann, Main to First, curbing and grading 235.28 Total Paving\$20,173.96 PAVING YARDAGE— District No. 3012253.12 sq. yds. Repaving State 2351.62 sq. yds. Total 14604.74 sq. yds SUPPLIES— Supplies, repairs, etc., except as included in foregoing \$1,397.38 RECAPITULATION—	the several wards
Paving District No. 30, Church street\$15,538.03 Repaving State street, Liberty to William st 4,500.65 Paving Dist. No. 32, Ann, Main to First, curbing and grading 235.28 Total Paving\$20,173.96 PAVING YARDAGE— District No. 3012253.12 sq. yds. Repaving State 2351.62 sq. yds. Total 14604.74 sq. yds SUPPLIES— Supplies, repairs, etc., except as included in foregoing \$1,397.38 RECAPITULATION— Street work \$18,887.03	the several wards
Paving District No. 30, Church street\$15,538.03 Repaving State street, Liberty to William st 4,500.65 Paving Dist. No. 32, Ann, Main to First, curbing and grading 235.28 Total Paving\$20,173.96 PAVING YARDAGE— District No. 3012253.12 sq. yds. Repaving State 2351.62 sq. yds. Total 14604.74 sq. yds SUPPLIES— Supplies, repairs, etc., except as included in foregoing \$1,397.38 RECAPITULATION— Street work \$18,887.03 Culverts \$203.56	the several wards
Paving District No. 30, Church street	the several wards
Paving District No. 30, Church street\$15,538.03 Repaving State street, Liberty to William st 4,500.65 Paving Dist. No. 32, Ann, Main to First, curbing and grading 235.28 Total Paving\$20,173.96 PAVING YARDAGE— District No. 3012253.12 sq. yds. Repaving State 2351.62 sq. yds. Total 14604.74 sq. yds SUPPLIES— Supplies, repairs, etc., except as included in foregoing \$1,397.38 RECAPITULATION— Street work \$18,887.03 Culverts \$203.56	the several wards
Paving District No. 30, Church street	the several wards

489 loads extensions, cross-	2 old plows	2.00
walks, paving repairs, tar-	1 cross cut saw and 1 one-	
ring old pavements, etc 284.66	man saw	2.50
ing old pavements, etc 201.00	2 dump wagons	200.00
Total \$1,082.26	1 bolt cutter	1.00
	19 red lanterns	11.40
CEMENT ACCOUNT—		
Bbls.	17 steel wheelbarrows	68.00
On hand January 1, 1914 24.5	1 scythe and handle	1.00
Bought:	1 sidewalk roller	5.00
Peerless Portland Cement Co 2240	1 set platform scales	150.00
Michigan Portland Cement Co. 2281	1 batch cement mixer	25.00
Locally 102.5	3 mauls	1.50
	1 2-wheeled scraper	25.00
Total bought	1 mixing board	3.00
Total bought4025.5	3 tool boxes	9.00
1010		
Total 4648	4 scoop shovels	2.00
Deduct injured by water 3	6 iron tampers	3.00
	1 double harness	20.00
Balance 4645	1 steam road roller	1,000.00
Used as follows:	2 pumps	10.00
Bbls.	Stencil and alphabet	1.00
Paving Church St. No. 304021.75	2 road scrapers	100.00
	2 Black snow plows	25.00
Repaying State street 394.25		
Curbing Ann St. No. 32 32.5	1 50-gal gasoline can	4.00
Repairs pavement East and	3 5-gal. oil cans	0.75
North University 24.25	Tools for filling brooms for	
Sacks.	sweepers	9.00
Extension and crosswalk work406	1 sidewalk building outfit	8.00
Paving repairs123	1 sand wagon	25.00
Culvert repairs	1 tar tank and equipment,	
Inlote etc. noneing 125	Broadway and River	1,200.00
Inlets, etc., repairs 13.5		Carried Street Control of the Contro
Storm sewers, etc., City Engi-	100 ft. hose	8.00
neer department 52	1 lot sewer jacks	5.00
Setting drinking fountains 21.5	4 bdl. bamboo splints	9.00
Name and Address of the Control of t	1 stencil for marking cement	
Total	and letters	4.00
Bbls.	1 ladder	1.09
632 sacks equals 158	3 spindles and worn brooms	
	for sweeper	6.00
Total barrels used4630.75	20 lbs. bolts (est.)	1.00
Total parters used4050.15	1 plow	12.00
On hand Tannam 1 1015 14.95		4.00
On hand January 1, 1915 14.25	2 sand screens	
Respectfully submitted, John Wisner,	1 sprinkling wagon	150.00
Street Commissioner.	3 carts	90.00
INVENTORY — STREET DEPART-	1 brace and bit	1.50
MENT:	1 iron, 3 wood, levels	2.00
1 team horses \$ 150.00	15 grub hoes	7.50
Horse blankets 4.00	1 handle for scythe	0.25
2 street sweepers 200.00	1 iron vice and bench	3.00
1 pair bobs	1 tool box on wheels	20.00
	2 slip scrapers	10.00
19 wood snow plows 95.09	3 old pails	
1 steel snow plow 10.00	1 square wood tamper	1.00
1 60-gal. oil can 4.00	3 hand saws	3.00
4 1-gal, oil cans 0.80	1 mortar box	2.00
2 pails 0.50	3 cement shovels	2.25
1 large tar tank on wheels. 45.00	2 wood pounders	1.00
1 small tar tank on wheels. 100.00	8 iron crow bars	4.00
4 paving hammers 2.09	3 hatchets	2.25
1 street drag 10.00	10 shovels	5.00
	2 Foote continuous cement	0.00
1 rooter 5.00	•	00000
29 street brushes 15.85	mixers	
1 lot empty barrels 10.00	2 closets	8.00
6 street sweeper brooms 60.00	1 lot rope	2.00
3 canvass for covering ce-	2 Knowell's street scrapers	4.00
ment 11.25	1 20th century grader	100.00
Paint brushes and paint 2.00	2 large hose nozzles	3.00
TO SEE 1 TO SEE 1		

22.00

50.00

50.00

5.00

4 iron rods for red lights	1.00	11 old crosswalk grates
1 pliers	0.75	1 lot old sewer pipe, 30", 20",
2 post hole diggers	1.00	23" 18" and 15" (est.)
1 lot castings for steam mix-		23", 18" and 15" (est.) I lot new 12", 15" and 18"
ers	5.00	tile (est.)
1 old tar kettle	2.00	300 wood paving blocks
1 lot old fire hose	5.00	500 ft 12" plank and 6 pc
5 Berry street brushes	4.00	500 ft. 12" plank and 6 pc.
1 draw knife	0.40	1-2 ton old bridge iron, \$4.00;
2 pipe spades	0.80	3 pc. 8" iron pipe, \$10.00
3 creasers, 1 edger	2.40	1 lot old manhole and inlet
2 century street scrapers	10.00	frames (est.)
6 hammers	3.00	1 lot cobble and flag stone
	1.00	(oct)
	3.00	(est.)
6 picks	2.00	3000 ft. oak plank
	2.40	Total
6 street shovels	50.00	Total \$
1 lot iron pipe and fittings	10.00	JOHN WISNE
1 tar kettle	1.00	Street Commission
2 pieces wire fence	1.00	Resolutions.
1 tar wagon distributor at-	50.00	By Ald G. Lutz: Resolved,
tachment		\$500.00 be and same is hereby
3 rakes	$\frac{1.00}{2.50}$	ferred from the Dog License f
5 cold chisels		the Contingent fund, and \$15.20
1 long-handled shovel	0.60	the Dog License fund to the
3 pitchforks	1.50	Street re-paving fund. Adopt
2 brick tongs	2.50	unanimous vote of council, 15.
1 stone boat	1.00	By Ald. G. Lutz: Resolved, th
1 hoe	0.40	city clerk be and is hereby auth
1 stone hammer	0.35	to draw warrants for water
1 snow shovel	0.60	coupons when due, February
2 wood trowels	0.65	1915. Adopted by unanimous
3 trowels (steel)	0.75	of council, 15.
	101 00	Moved by Ald Groves, th
Total \$5,	101.20	council meet as committee of
Inventory Building Material-	Street	on Tuesday evening, January
Department:		1315, at 7:30 o'clock. Adopted
1455 paving block (cull, State		Miscellaneous Business.
street paving)\$	14.55	
4630 paving block	99.55	Communication from the P
8000 old asphalt block (est.).	40.00	Grange, protesting against the
3000 old paving brick (est.)	30.00	allowing a large flow of water
59 bbls. pitch	219.00	to waste in the county ditch
14.25 bbl. cement	16.25	Steere farm, as is supposed to h
5000 old bridge timbers (est.)	40.00	templated in the putting down
5 turned posts, \$2.50; 1 keg		large well or shaft, received a
nails and spikes, \$3.00	5.50	motion of Ald. Groves ordered
1 lot 12-ft. wing bars for cul-		The Council adjourned.
verts	17.00	ROSS GRANGER, C

nd 6 pc. 10.00 \$10.00.. 14.00 nd inlet 25.00 ag stone 40.00 65.00 \$762.85 WISNER, Commissioner. ns.

Resolved, that is hereby trans-License fund to and \$15.20 from and to the State d. Adopted by uncil, 15.

esolved, that the ereby authorized or water works February 1st, unanimous vote

roves, that the mittee of whole January 26th, Adopted.

Business.

m the Pomona gainst the City of water to run ity ditch at the posed to be contting down of a received and on s ordered on file.

NGER, Clerk.