

Council Chamber, Sept. 17, 1900.

Regular meeting.

Called to order by Pres. Seabolt.

Roll call: Present—Ald. Hamilton, Koch, Schlenker, Rohde, Vandawarker, Brown, Grose, Coon, Jenney, Fischer, Pres. Seabolt—11. Absent—Ald. Richards, Kearns, Weeks, Bliton—4.

Minutes of previous meeting read and approved.

Enter Ald. Weeks.

The petition of J. A. Brown and several others for a light on Lawrence street was received and referred to the lighting committee.

The report and estimate from the board of public works for the work done and material furnished on the Huron street pavement, amounting to \$4,577.63, was received and Ald Hamilton moved that rule 21 be suspended.

Carried.

By Ald. Brown:

That the report of board be concurred in and the warrant ordered drawn.

Adopted as follows:

Yeas—Ald. Hamilton, Koch, Schlenker, Rohde, Vandawarker, Brown, Grose, Weeks, Coon, Jenney, Fischer, Pres. Seabolt—12.

Nays—None.

Enter Ald. Bliton.

The report from the board asking the council to take some action in regard to using the city hydrants for getting water for sprinkling purposes was received, and Ald. Koch moved that the report be concurred in.

Ald. Hamilton moved as a substitute that the matter be referred to the street committee to report at next meeting.

Carried.

The following bids for lighting the city were received:

PROPOSAL FOR STREET LIGHTING.

The Ann Arbor Gas Company herewith proposes to light the streets, alleys and public places of the city of Ann Arbor for the term of five years, beginning January 1st, 1901, as advertised under date of August 10th, 1900, as follows:

First. We will furnish double Wels-

bach street lights of two hundred candle power, erected on iron posts, using the latest and most improved pattern lanterns of handsome design, furnishing all gas, repairs, and labor on the same, to be lighted on moonlight schedule of two thousand two hundred and twenty-two hours per annum, according to the Philadelphia standard, for the sum of twenty-two dollars (\$22.00) per lamp per annum.

Second. Single Welsbach street lamps, lighted same as above, for the sum of seventeen dollars (\$17.00) each per annum.

Third. Gasolene single Welsbach lamps of same design and lighted same hours as the gas lamps, for outlying districts, for the sum of twenty-four dollars (\$24.00) each per annum.

Fourth. Double Welsbach lamps, same as above, to be lighted on dark nights when there is no moon, to be extinguished at 12:30 o'clock, for eighteen dollars (\$18.00) each per annum.

Fifth. Single Welsbach lamps, same as above, for the sum of fifteen dollars (\$15.00) each per annum.

Sixth. Gasolene Welsbach lamps, same as above, for the sum of twenty-two dollars (\$22.00) each per annum.

Our estimate of the number of lamps required to give light equivalent to and better than the present system of lighting is as follows:

For all night lighting:
 150 double gas lamps at \$22.00..\$3,300
 150 single gas lamps at \$17.00... 2,550
 30 gasolene lamps at \$24.00..... 720

Total.....\$6,570

For 12:30 o'clock lighting:
 150 double gas lamps at \$18.00..\$2,700
 150 single gas lamps at \$15.00... 2,250
 30 gasolene lamps at \$22.00..... 660

Total.....\$5,610

Respectfully submitted,
ANN ARBOR GAS COMPANY.
 Henry W. Douglas, Manager.

Ann Arbor, Mich., Sept. 15, 1900.
 To the Honorable the Common Council
 of the City of Ann Arbor:
 Gentlemen—Referring to your invitation and specifications for lighting the

streets, alleys and public places of the city of Ann Arbor, by electricity, the undersigned company begs to make you the following propositions:

For furnishing and maintaining not less than 120 2,000-candle power arc lamps for 265 nights, moonlight schedule, extinguishing same at 12:30 a. m., local time, \$58.00 per lamp per year.

For furnishing and maintaining not less than 120 2,000-candle power arc lamps 265 nights, moonlight schedule, all night, \$65.00 per lamp per year.

If we furnish the city arc lights we will furnish the 65-candle power incandescent lamps to 12:30 a. m., local time, for \$30.00 per annum; or we will furnish the 65-candle power incandescent lamps to daybreak, moonlight schedule, for \$36.00 per annum.

Respectfully submitted,

ANN ARBOR ELECTRIC CO.

By J. E. Beal, Sec'y and Treas.

On motion of Ald. Hamilton the above bids were referred to the lighting committee.

The city assessor certified the assessment roll of sewer district No. 8 to the council, whereupon Ald. Schlenker offered the following resolution:

By Ald. Schlenker:

Resolved, That Friday, September 28, 1900, at 9 o'clock a. m., at the council chambers, be fixed as the time and place for the sitting of this council as a board of review for the consideration of the special assessment roll of sewer district No. 8, and that the notice of this time and place of sitting be given by publication in the Washtenaw Times and the official newspapers of said city at least seven days before said date; that on the above date, time and place above mentioned said board of review shall proceed without adjournment to review said special assessment roll.

Adopted as follows:

Yeas—Ald. Hamilton, Koch, Schlenker, Rohde, Vandawarker, Brown, Grose, Weeks, Coon, Jenney, Bliton, Fischer, Pres. Seabolt—13.

Nays—None.

Ald. Schlenker made a verbal report on the fifth ward sewer, and not being

able to get his committee together was given further time.

STREET COMMITTEE'S REPORT.

Sept. 17th, 1900.

To the Common Council:

Gentlemen—Your committee has had the matters referred to them under consideration and beg to report the following:

We have gone over the south end of Division street and would recommend that this portion of the street be completed as soon as possible.

The matter of cutting down Fourteenth street and filling in on Huron street between 13th and 14th streets we ask for further time to consider.

Respectfully submitted,

John Koch.

Geo. H. Fischer.

Emmett Coon.

L. D. Grose.

Wilhelm H. L. Rohde.

Arthur Brown.

F. M. Hamilton.

On motion the above report was adopted.

By Ald. Koch:

Resolved, That an appropriation of one hundred and fifty dollars (\$150) be made for the purpose of completing the work on South Division street.

Adopted as follows:

Yeas—Ald. Hamilton, Koch, Schlenker, Rohde, Vandawarker, Brown, Grose, Weeks, Coon, Jenney, Bliton, Fischer, Pres. Seabolt—13.

Nays—None.

By Ald. Vandawarker:

Resolved, that the grading and constructing of the sidewalks hereinafter mentioned is deemed and declared to be a necessary public improvement.

Therefore, it is hereby ordered that the following sidewalks be graded, built and constructed on and along the following streets, in the city of Ann Arbor, Mich., namely a tar or asphaltum walk on and along the south side of Miller avenue in front of the property of Mrs. Miller at 539 Miller avenue; on the north side of Miller avenue, side of the Beal block at 301 N. Main and in front of 408 N. Ashley street; along side of 420 N.

Main on Kingsley street; in front of 1441, 1435, 1427 and in front of the lot south of 1427 Broadway.

Adopted as follows:

Yeas—Ald. Hamilton, Koch, Schlenker, Rohde, Vandawarker, Brown, Grose, Weeks, Coon, Jenney, Bliton, Fischer, Pres. Seabolt—13.

Nays—None.

BOND COMMITTEE'S REPORT.

Ald. Bliton submitted the bond of Contractor Kneal for labor and material with John R. Miner and Chas. H. Bushnell as sureties. On motion of Ald. Brown the same was accepted and approved as follows:

Yeas—Ald. Hamilton, Koch, Schlenker, Rohde, Vandawarker, Brown, Grose, Weeks, Coon, Jenney, Bliton, Fischer, Pres. Seabolt.—13.

Nays—None.

SPECIAL COMMITTEE.

Ald. Coon offered the following:
To the Common Council,

Gentlemen:—Your special committee to whom was referred the matter of investigating the charges of the Ann Arbor Water Company for its service to private consumers beg leave to report that they have carefully investigated the subject and are of the opinion that the rates charged for water for domestic use in this city are excessive and unreasonable and that these rates should be reduced.

To the end that the committee might act intelligently in the premises, Chas. A. Ward was employed to visit 17 cities in this state and gather data for the use of the committee in determining a reasonable charge for water service in the city of Ann Arbor. His report is complete and exhaustive upon the subject of rates and the details of the operation, receipts and expenditures of the plants visited and we submit it to the council as a part of this report.

We also submit an ordinance fixing the rates to be charged for water service by the Ann Arbor Water Company and recommend its passage.

EMMETT COON,
E. M. HAMILTON,
JOHN KOCH,

To the Water Committee of the Common Council:

Gentlemen:—Pursuant to instructions from your committee I have visited the cities of Flint, Saginaw, W. Bay City, Owosso, Lansing, Jackson, Grand Rapids, Muskegon, Traverse City, Cadillac, Ionia, Adrian, Monroe, Kalamazoo, Battle Creek and Albion, in the order named, for the purpose of obtaining accurate data concerning the price for which water is furnished to private consumers, in those cities, the cost of furnishing such water and such other data as may be of service to your committee in determining reasonable water rates for private consumers in the city of Ann Arbor.

My investigations have been conducted with the view of ascertaining the relative conditions under which water is furnished in the several cities visited, the cost and extent of plants, the cost of operation and maintenance, the comparative number of water consumers and consumption of water, all of which data is necessary to a fair comparison of rates.

For the purpose of ready reference I have tabulated so much of the data as is common to all plants and which should enter into a comparison of rates. These tables relating to public and private plants are marked exhibits "A" and "B" respectively and made a part of this report. They show pumping capacity, miles of mains, number of water takers, number of water takers per mile of main, cost of construction, average consumption of water per tap, revenue, expenses, net earnings and percentage of net earnings on cost of construction.

In the case of public plants the item of cost represents in some instances, not only the cost of the plant which is furnishing water at the present time, but of plants replaced by those now in use. This is notably true of Saginaw, Grand Rapids and Kalamazoo. But even under these circumstances the municipal water plants of all the cities visited are making a very creditable financial showing. In no case have the earnings of these municipal plants fail-

dend upon the cost of construction, when a proper allowance for fire protection is credited to the water fund. In only two instances was it necessary to levy a tax last year for the payment of interest on water bonds. In East Saginaw the levy for this purpose last year was \$3,888—against fire protection worth \$16,000 at the rate we are paying in Ann Arbor for that service and \$8,000 of the earnings of the plant invested in extensions and permanent improvements.

In Owosso the city pays by tax \$4,750 interest on water bonds for fire protection worth \$5,480 at the Ann Arbor rate.

In estimating the revenues of public plants I have added to the receipts from other sources an allowance of \$40 for each fire hydrant, for in making a comparison with public plants it is but just to allow a fair compensation for a service which private plants are paid for.

The comparison of rates is made on the basis of the four principal uses to which water is put in all modern dwellings, viz.: domestic use, bath, closet and lawn sprinkling. These tables show that the highest price paid for this service is \$16, at Adrian, and the lowest is \$10.50 at Cadillac. You will note that both of these plants are owned by private corporations. You will

CITY.	Kind of Plant.	Daily pumping Capacity in gall's.	Miles of Mains.	Number of Takers.	No. of Takers per Mile of Mains
Saginaw.....	Public..	18,000,000	55	2,000	36.3
Owosso.....	Public..	.....	23	934	40.5
Lansing.....	Public..	8,000,000	40	2,500	62.5
Jackson.....	Public..	12,000,000	48	3,300	68.75
Grand Rapids.....	Public..	28,000,000	141.65	12,133	86.5
Muskegon.....	Public..	8,000,000	42	2,300	54.7
Ionia.....	Public..	2,000,000	20	900	45
Kalamazoo.....	Public..	.....	45	3,000	66%
Battle Creek.....	Public..	4,000,000	34.3	2,277	72.
Albion.....	Public..	.....	12	.....	.....
Ann Arbor.....	Private	.....	33	2,300	70.

Cost of Plant.	Supply.	Fuel.	Cost of Fuel per Ton.	Average Yearly consumption per Tap.	No. of Fire Hydrants.	Revenue from City.	Total Revenue.	Operating Expenses.	Maintenance and Taxes.	Net Earnings.	Per Cent. of Earn- ing %	Dom-estic.	Bath.	Closet.	Sprink-ling.	To- tals.	Meter
\$ 600,000	River..	Coal..	\$ 2.32	740,000	400	\$16,000—Est.	\$48,900.00	\$12,153.00	\$ 4,200.00	\$32,547.00	5.3	\$ 4.00	\$ 2.00	\$3.00	\$ 3.00	\$12.50	6-10c.
103,000	Wells..	"	2.35	157,000	137	4,750	12,327.89	4,554.00	2,272.58	15,500.00	5.3	5.00	2.00	4.00	4.00	13.00	Min. \$10
288,466	Wells..	"	2.60	176,000	301	6,000	29,762.00	7,825.00	.....	21,937.00	7.6	4.00	2.50	2.50	2.00	14.00	10-15c
360,000	Wells..	"	1.95	261,000	450	18,000—Est.	47,000.00	10,000.00	.....	37,000.00	10.28	5.00	2.00	2.00	5.00	5.20	5-10c.
1,432,087	River..	"	3.05	717,000	1,324	52,960	178,906.00	48,653.00	.....	130,253.00	9.	4.00	2.00	4.00	2.00	12.00	4½-13c
444,000	Lake..	"	2.55	565,000	471	18,840	37,650.00	10,283.00	.....	27,357.00	6.1	5.00	2.00	1.00	3.00	11.00	5-13c.
125,000	Wells..	"	3.15	247,000	116	4,640	10,298.00	5,635.61	.....	4,662.39	3.7	4.00	2.00	3.00	4.00	13.00	8-13c.
485,000	Wells..	"	3.12	203,000	400	16,000	37,000.00	7,667.00	.....	29,333.00	6.	4.00	2.00	4.00	4.00	14.00	Min. \$3
273,415	Lake..	"	.....	135,000	338	13,520	17,909.00	8,112.00	1,888.11	21,228.89	7.7	5.00	2.00	3.00	4.00	14.00	8-13c.
55,000	Wells..	"	.....	.....	80	3,200	7,108.65	3,294.80	.....	3,813.85	7.	4.00	2.00	2.50	3.00	11.50	10-25c.
.....	Wells..	"	.....	.....	143	6,540	.....	.....	.....	.....	.....	8.00	4.00	3.50	5.00	20.50	Min. \$40

also note that the cheap water of Cadillac is universally used while the high priced water of Adrian is used very sparingly by private consumers.

The 4527 patrons of the five private companies to whose books I had access paid last year \$63,220 for water, an average of \$13.95 per tap. This includes large private consumers as well as dwelling houses.

The average schedule rate for these companies proportioned to the number of patrons is \$13.10.

The 29,360 patrons of the 11 public plants visited paid \$284,560 for the same service, an average of \$9.59.

The cities supplied by private companies included in this report are smaller than Ann Arbor, with the exception of Grand Rapids where a private plant is doing business in competition with a public plant and at the same rates. It follows that the relative expense of furnishing water must be greater in these small towns than in Ann Arbor and as we are paying from 25 to 90 per cent more for the same service we are forced to the conclusion that we are paying too much.

As the average price received by these private companies for large and small consumers is \$13.95 it would seem that such an adjustment of rates that would yield a revenue of \$14.00 for the domestic use, bath, closet and lawn sprinkling of an ordinary family would not be an unreasonable restriction upon the Ann Arbor company. I would recommend that the rates be fixed as follows: domestic use, \$5.00; bath, \$3.00; closet, \$2.00; sprinkling, \$4.00. The consumer should also be allowed the privilege of using a meter at a maximum charge of not more than 20 cents per 1000 gallons and a minimum yearly consumption of \$5.00 per year.

Though I am not charged with that duty I take the liberty of suggesting to your committee that the practical experience of the 11 public and five private water plants whose statistics are included in this report warrant the conclusion that a municipal water works system in Ann Arbor could furn-

ish water to the private consumer at one-half the rates charged at present and pay all expenses of operation and maintenance, make necessary extensions and pay the interest on the cost of construction.

A system with a pumping capacity of 4,000,000 gallons per day can be constructed in Ann Arbor for \$200,000. The interest on \$200,000 at four per cent would be \$8,000. Add to this sum \$8,000 for operating expenses and you have \$16,000. From evidence in the possession of your committee we are safe in estimating the revenue of the water company from private consumers at considerably over \$30,000. Cutting the rates in two the revenue from private sources would be not less than \$15,000. Add to this \$6,540 which the city now pays for public water and you have \$21,540 annual revenue, leaving \$5,540 for making necessary repairs and extensions.

Respectfully submitted,

CHAS. A. WARD.

Ald. Jenney moved that the report be adopted.

By Ald Coon:

As substitute, that the report be adopted and printed with the exception of that portion in tabulated form referring to private plants or companies.

Adopted as follows:

Yeas—Ald. Hamilton, Koch, Schtenker, Rohde, Vandawarker, Grose, Weeks, Coon, Bliton, Fischer,—10.

Nays. Ald. Brown, Jenney and Pres. Seabolt—3.

ORDINANCE.

The following ordinance was offered for its first reading by title:

An ordinance to determine, define and fix the rate to be charged the inhabitants of the City of Ann Arbor for water for domestic use by the inhabitants of the city of Ann Arbor.

On motion of Ald. Coon the ordinance passed to and received its second reading section by section.

The expense bill of Senator Ward employed by the special water committee to Kalamazoo, etc., amounting

to \$28.75 was, on motion, allowed and warrant ordered drawn.

Adopted as follows:

Yeas—Ald. Hamilton, Koch, Schlenker, Rohde, Vandawarker, Brown, Grose, Weeks, Coon, Jenney, Bliton, Fischer, Pres. Seabolt—13.

Nays—None.

Ald. Weeks:

Moved that the notices served on the property owners on east side of South First street be withdrawn.

Ald. Hamilton moved as a substitute that the matter be referred to a committee of five appointed by the chair. Carried.

The chair appointed the following: Ald. Koch, Schlenker, Rohde, Brown, Jenney.

By Ald. Coon:

That the Board of Public Works be instructed to give Mr. Hamilton the

street and sidewalk grade on his new street. Carried.

By Ald. Brown:

Resolved, that the sidewalks in the city of Ann Arbor heretofore ordered to be built by the Council and which have not been built, be built at once by the Board of Public Works, provided however that notices to build said walks have been already properly served.

Adopted as follows:

Yeas—Ald. Hamilton, Schlenker, Rohde, Vandawarker, Brown, Grose, Weeks, Coon, Jenney, Bliton, Fischer, Pres. Seabolt—12.

Nays—None.

The contract of the Abbott Voting Machine Co. was submitted and approved.

On motion the council adjourned.

JAS. E. HARKINS, Clerk.