

Schmid, principal; G. Fred Stein, Emmanuel Luick, sureties.

William & Oscar Goetz, principals; Frederick S. Chapin, J. Herman Goetz, sureties.

And the following principals with The Michigan Bonding and Surety Company, of Detroit, Michigan, as surety for each: George & Wm. Frey, Fred G. Haas, Wm. C. Nowlin, Burt A. Townsend, Staebler & Johnson, Joseph S. Parker, Albert H. Walz, Wm. C. Hoppe, Henry C. Mayer, Frank Marz, John George Walz, Richard Kearns, Jr., George Heibein, Erle D. Ross, Wm. Corson, Fred Dupper, Wm. F. & Chas. A. Kapp, Oswald Dietz, George A. Schaible, J. August & Ernest W. Waidelich, Fred Brown, Gauss & Wagner, Alber & Horning, Lawrence J. Damm, Thomas E. Rogers, Haas & Heibein, Chas. F. Klais.

Brewers' Liquor Bond—Michigan Brewing company, principal; The Michigan Bonding and Surety company, of Detroit, Michigan, surety.

Respectfully submitted, Thomas Hanselman, Albert Fiegel, T. F. Prochnow, Bond Committee.

Ald. Hanselmann moved the adoption of the report.

Adopted as follows: Yeas, Ald. Schultz, Fiegel, Hanselmann, Lutz, Prochnow, Koernke, Pipp, Flynn, Sherk, Hubbard, Rash, Groves, Lutz, Sink, Pres. Schmid, 15. Nays, none.

Cemetery Committee. To the Honorable, the Common Council: Gentlemen—Your cemetery committee have had the following matters under consideration and respectfully recommend:

1. That a Page wire fence with cedar posts be constructed on the south and west sides of Fair View cemetery at once under the direction of the board of public works. (about 40 rods.)

2. That the ordinance regulating Fair View cemetery be amended to take care of the vault, as per recommendation of the cemetery committee, December 16th, 1912.

Respectfully submitted, G. Hubbard, Julius H. Koernke, Cemetery Committee.

Ald. Hubbard moved the adoption of the report.

Adopted as follows: Yeas, Ald. Schultz, Fiegel, Hanselmann, Lutz, Sherk, Hubbard, Rash, Groves, Lutz, Prochnow, Koernke, Pipp, Flynn, Sink, Pres. Schmid 15. Nays, none.

Special Water Committee. By Ald. Geo. Lutz: Resolved, that the special water committee is hereby authorized and directed to investigate the ques-

tions of purchasing and improving the old water plant, installing a new plant, of making a new contract with the present water company, or any other company, and that the special water committee have power to secure options on land, purchase necessary pumps, etc., for testing wells and to employ all necessary experts, assistants, engineers and counsel to properly conduct its investigations, and to do any and all things not herein specially enumerated necessary to be done to secure for the city of Ann Arbor and the inhabitants thereof an adequate supply of pure water.

Adopted as follows: Yeas, Ald. Sherk, Hubbard, Rash, Groves, Lutz, Prochnow, Koernke, Pipp, Flynn, Schultz, Fiegel, Hanselmann, Lutz, Sink, Pres. Schmid, 15. Nays, none.

By Ald. Geo. Lutz: Resolved, that a preferential election be held May 29th, 1913, to permit the electors to express their choice on the water question, and that the city attorney prepare proper resolutions for the holding of such election, and submit the same at the next council meeting.

Adopted as follows: Yeas, Ald. Schultz, Fiegel, Hanselmann, Lutz, Prochnow, Koernke, Pipp, Flynn, Sherk, Hubbard, Rash, Groves, Lutz, Sink, Pres. Schmid, 15. Nays, none.

Ald. George Lutz presented engineer's report on cost of new water plant, which was ordered in the minutes by unanimous vote of council.

To the Special Water Committee of the Hon. Common Council, Ann Arbor, Mich.: Sirs— I submit herewith approximate estimates of the cost of building an entire new water works system for the city of Ann Arbor, of furnishing water from the Steere Farm locality through the present distribution system, and of furnishing filtered river water through the present distribution system, together with additional information relative to these propositions.

Very respectfully submitted, Manley Osgood.

Consumption: The present rate of water consumption in Ann Arbor averages 2,200,000 gallons per day throughout the year and the maximum daily rate is in the neighborhood of 3,000,000 gallons. The present percentage of consumption through meters is about 10 per cent, and the above rates would be very materially reduced if the water was furnished to all consumers through

the amount pumped from the Washington street station, but the cost of pumping would be greater by about \$6.50 per million gallons on the amount pumped from Washington street station. The quantity pumped from Washington street station during 1910 was 309 million gallons, less than one million gallons per day. Assuming the added cost of pumping from a second station was \$6.50 per million gallons, the annual increased cost of pumping from two stations instead of one would be \$2,008.00, which is 5 per cent interest on \$40,160.00, which would exceed the reduction which could be made if the new plant were estimated on a basis of supplying 1,000,000 gallons per day less, without allowing for the maintenance of the second plant.

An item which cannot be computed and set down in dollars and cents is the inconvenience and actual money loss to the people of Ann Arbor which would be caused by digging up all of our streets in the building of a new distribution system. Also the item of 'going concern,' which cannot be overlooked and which Mr. Williams estimates at \$34,879.00.

Acknowledgements. To Gardner S. Williams a great part of the credit for this estimate is due, for many of the items and much information are taken directly from his report to the common council, made in January, 1912.

Ald. George Lutz presented the following communication from the Ann Arbor Water Company relative to proposed new contract, which was ordered printed in the minutes and filed by unanimous vote of council.

April 28, 1913.

To the Special Water Committee of the Common Council of the City of Ann Arbor, Michigan:

Gentlemen—In accordance with your request for the terms of new contract to be submitted to your committee by The Ann Arbor Water Company, we have the following preliminary

outline for a thirty year contract and franchise to offer:

Said new contract to provide that the company will charge such rates for service as the common council shall by ordinance from time to time determine; provided, however, that such rates shall be sufficient to pay interest on bonded indebtedness, operating expenses, maintenance, repairs, a reasonable sinking fund and a dividend of seven per cent upon the capital stock. The capital stock is now \$100,000, and it is not to be increased without the consent of the common council.

For the purpose of fixing rates, representatives of the common council are to have access to the books of the company at all reasonable times. The company to make within a reasonable time such extensions and improvements to the present plant as shall be necessary to enable it to furnish suitable service to meet the growth of the city.

The city to have the right to purchase the property at the end of any five year period at the sum of \$450,000 and the actual cost of all new construction and additional water supply added after April 12th, 1913.

If the common council in its investigation of the water supply upon the so-called Steere farm, is now or shall hereafter be satisfied that there is sufficient water there to warrant the expenditure of the sum necessary to bring it into the present system, that the company will rent from the city for such period of time as the city desires to lease it, the right to use said water, at a yearly rental equal to seven per cent per annum upon the actual expense that the city has been or may hereafter be put to in securing said water and in testing the sufficiency thereof, the terms of the lease to be mutually agreed upon.

The Ann Arbor Water Co., By A. K. Hale, Secretary.

The Council adjourned.

ROSS GRANGER, Clerk.

Council Chamber, Ann Arbor, Mich.,
April 28, 1913, Adjourned Regular
Session.

Meeting called to order by the
president. Present: Ald. Schultz,
Fiegel, Hanselmann, Lutz, Prochnow,
Koernke, Pipp, Flynn, Sherk, Hub-
bard, Rash, Groves, Lutz, Sink, Pres.
Schmid, 15.

Petitions.

Petition of Christian Schlenker, et
al, to raise grade on W. Liberty st.
just east of the Ann Arbor Railroad
track, received and referred to Street
committee.

Committee Reports—Ordinance Com- mittee.

Ald. Schultz presented an ordin-
ance entitled, "An ordinance to
amend 'An ordinance relative to the
management and control of Fair
View Cemetery'" passed January 9,
1905; approved January 17, 1905;
which was given its first reading by
title.

Moved by Ald. Schultz, that the or-
dinance be referred to Ordinance
committee.

Adopted as follows: Yeas, Ald.
Schultz, Fiegel, Hanselmann, Lutz,
Prochnow, Koernke, Pipp, Flynn,
Sherk, Hubbard, Rash, Groves, Lutz,
Sink, Pres. Schmid, 15. Nays, none.

Ald. Shultz presented an ordinance
to terminate and declare void an or-
dinance passed May 27, 1901; and
approved May 28, 1901; which was
given its first reading by title, pass-
ed to and given its second reading
and referred to the ordinance com-
mit by following vote: Yeas, Ald.
Schultz, Fiegel, Hanselmann, Lutz,
Prochnow, Koernke, Pipp, Flynn,
Sherk, Hubbard, Rash, Groves, Lutz,
Sink, Pres. Schmid, 15. Nays, none.

Sidewalk Committee.

To the Honorable, the Common
Council: Gentlemen—Your sidewalk
committee have had the matter of
construction of sidewalks and cross-
walks under consideration, and re-
spectfully recommend that the ac-
companying resolution regarding
same be adopted.

Respectfully submitted, Chas. R.
Rash, Albert Lutz, Julius Koernke,
Wm. Schultz, Geo. Lutz, I. L.
Sherk, Sidewalk Committee.

By Ald. Rash: Resolved, that the
grading and construction of the side-
walks hereinafter mentioned is deem-
ed and declared to be a necessary
public improvement

Therefore, it is hereby ordered that
tar sidewalks be graded, built and
constructed in the city of Ann Arbor
on and along the south side of W.

Madison st., beginning at east side of
No. 515 W. Madison st., and thence
to Seventh st.

On north side of Hill st., from east
line of No. 143 Hill st. to Fifth av.,
except where walk is now built.

On the east side of Olivia av., from
Minerva road to Cambridge road.

On the east side of Vinewood bou-
levard, from west line of lot 19, Col-
lege Hill add., to Washtenaw av.

On the north side of Cambridge
road between property owned by H.
M. Bates and J. S. P. Tatlock in block
between Washtenaw av. and Hill st.

Crosswalks.

Resolved, further, that crosswalks
be constructed as follows:

On the east side of 5th st., across
Madison st.; on east side of 7th st.,
across Madison st.; on the north side
of Hill st., across Fifth av., and on
the west side of Fourth av., across
Hill st.

Adopted as follows: Yeas, Ald.
Schultz, Fiegel, Hanselmann, Lutz,
Prochnow, Koernke, Pipp, Flynn,
Sherk, Hubbard, Rash, Groves, Lutz,
Sink, Pres. Schmid, 15. Nays, none.

Police Committee.

To the Common Council: Gentle-
men—Your police committee, after
due consideration, have come to the
conclusion that the purchase of a
light automobile, cost not to exceed
\$500.00 over and above what may be
realized from the sale of old motor-
cycle, would be much better than the
purchase of a new motor-cycle, as a
light car can be used to stop speed-
ing and also as a light patrol wagon.
The committee therefore recommends
that they be authorized to make such
purchase at once.

Respectfully submitted, Chas. R.
Rash, Wm. Schultz, Theo. F.
Prochnow, Police Committee.

Ald Prochnow moved the adoption
of the report.

Adopted as follows: Yeas, Ald.
Schultz, Fiegel, Hanselmann, A. Lutz,
Prochnow, Koernke, Pipp, Flynn,
Hubbard, Rash, Groves, 11. Nays,
Ald. Sherk, G. Lutz, Sink, Pres.
Schmid, 4.

License Committee.

To the Honorable, the Common
Council: Gentlemen—Your license
committee respectfully reports that
the following applications for saloon
licenses comply with the requirements
of the ordinance and we recommend
that, upon the filing of the proper
bonds, licenses be issued to the appli-
cants: J. G. Fred Schmid, William
and Oscar Goetz, George & Wm. Frey,
Fred G. Haas, Wm. C. Nowlin, Burt

A. Townsend, Staebler & Johnson, Joseph S. Parker, Albert H. Walz, Wm. C. Hoppe, Henry J. Mayer, Frank Marz, John George Walz, Richard Kearns, Jr., George Heibein, Erle D. Ross, Wm. Corson, Fred Dupper, Wm. F. & Chas. A. Kapp, Oswald Dietz; George A. Schaible, J. August & Ernest W. Waidelich, Fred Brown, Gauss & Wagner, Alber & Horning, Lawrence J. Damm, Thomas E. Rogers, Haas & Heibein, Chas. F. Klais; and also the Michigan Brewing Company for brewers' license.

Respectfully submitted, Charles A. Sink, Geo. Lutz, Chas. R. Rash, License Committee.

Ald. Sink moved the adoption of the report.

Adopted as follows: Yeas, Ald. Schultz, Fiegel, Hanselmann, Lutz, Prochnow, Koernke, Pipp, Flynn, Sherk, Hubbard, Rash, Groves, Lutz, Sink, Pres. Schmid, 15. Nays, none.

Bond Committee.

To the Honorable, the Common Council: Gentlemen—Your committee on bonds have had the following bonds under consideration and respectfully recommend their approval:

City Official Bond. Ross Granger, city clerk, principal; Sid W. Millard, Jno. R. Miner, sureties.

Constables' Bonds. Charles M. King, principal; Wm. L. Walz, Gottlob Luick, sureties.

Frederick G. Lutz, principal; Wm. Frey, John W. Illi, sureties.

Archie C. Nowak, principal; Geo. W. Wagner, J. A. Shetterly, sureties.

Thomas Hession, principal; Richard Kearns, Wm. D. Vogel, sureties.

Lewis Nowland, principal; James E. Elliott, August W. Dorow, sureties.

Joseph Gauntlet, principal; Andrew J. Sawyer, Jr. surety.

Peter Hines, principal; Alp. Lemble, Jr., E. J. Hines, sureties.

Plumbers' Bonds. Hutzel & Co., principal; Carl F. Braun, Michael J. Fritz, sureties.

Schumacher & Backhaus, principals; Jas. E. Harkins, Phil Schumacher, sureties.

Eman. L. Schneider, principal; Oswald Dietz, G. F. Stein, sureties.

Wm. R. Schneider, principal; John Volz, Jno. C. Fischer, sureties.

C. Ludwig Schneider, principal; F. W. Bigalke, J. G. Fred Schmid, sureties.

Geo. W. Lake, principal; C. P. Bancroft, F. D. Forsythe, sureties.

Hochrein & Reimold, principals; Arthur Brown, James W. Robison, sureties.

Veach & Bishop, principals; Geo. P. Geisendorfer, E. J. Helber, sureties.

Sam C. Andres, principal; John Ferne, Frederick Heusel, sureties.

Druggists' Bonds. Herman F. Miller, principal; Michael J. Fritz, John Schmid, sureties.

Dawson Bros., principals; Edwin C. Krapf, Chas. Esslinger, sureties.

Ray J. Van Doren, principal; James W. Finnell, Rebecca Van Doren, sureties.

Arthur E. Crippen, principal; David A. Killins, Frank Pardon, sureties.

Mann and Walker, principals; Henry J. Mann, Geo. Walker, sureties.

Goulding & Wikel, principals; Hudson T. Morton, Alphonse Lemble, sureties.

J. J. Quarry, principal; Jno. R. Miner, Fred T. McOmber, sureties.

E. E. Calkins, principal; J. J. Goodyear, Arthur E. Mummery, sureties.

J. J. Goodyear, principal; E. E. Calkins, Arthur E. Mummery, sureties.

Arthur E. Mummery, principal; J. J. Goodyear, E. E. Calkins, sureties.

Ottmar Everbach, principal; Martin Haller, Edward Eberbach, sureties.

Sugden Drug Co., principal; Fred W. Lamb, Ella Sugden, sureties.

Edgar C. Edsill, principal; Southern Surety company, of St. Louis, Mo., surety.

LaVerne O. Cushing, principal; O. W. Cushing, Fred Lamb, sureties.

Saloon Bonds—J. G. Fred Schmid, principal; G. Fred Stein, Emmanuel Luick, sureties.

William & Oscar Goetz, principals; Frederick S. Chapin, J. Herman Goetz, sureties.

George & Wm. Frey, principals; Frederick Frey and John W. Illi, sureties.

And the following principals with The Michigan Bonding and Surety company, of Detroit, Michigan, as surety for each: Fred G. Haas, Wm. C. Nowlin, Burt A. Townsend, Staebler & Johnson, Joseph S. Parker, Albert H. Walz, Wm. C. Hoppe, Henry J. Mayer, Frank Marz, John George Walz, Richard Kearns, Jr., George Heibein, Erle D. Ross, Wm. Corson, Fred Dupper, Wm. F. & Chas. A. Knapp, Oswald Dietz, George A. Schaible, J. August & Ernest W. Waidelich, Fred Brown, Gauss & Wagner, Alber & Horning, Lawrence J. Damm, Thomas E. Rogers, Haas & Heibein, Chas. F. Klais. Liquor Dealers' Bonds. J. G. Fred

meters. On the other hand, if the water works was owned by the city, the amount used for flushing sewers, cleaning streets, etc., would be increased. The total consumption, however, would be decreased by the installation of meters much more than it would be increased by the increased public use. A supply of 5,000,000 gallons per day would then be sufficient for the city for many years to come, and the following estimated costs are based on a plant with distribution system and fixed parts adequate for such supply.

Cost of a new plant, complete, to furnish water from the Steere farm locality:

Costs of lands needed and wells	\$ 60,000.00
Cost of auxiliary station and piping at Steere farm	15,000.00
Cost of pipe line from Steere farm to main station near city	60,000.00
Main pumping station...	50,000.00
Storage tank and reservoir	25,000.00
Distribution system	365,000.00
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	\$575,000.00
Engineering and contingencies	\$ 40,000.00
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	\$615,000.00

To this should be added the cost of transferring the service connections from the present to the new system, which Garduer S. Williams estimates would cost about \$18,000.00. There should also be added the cost of office furniture, fixtures, books, etc., which would bring the total estimated cost up to about \$635,000.00.

Gardner S. Williams, in his letter dated January 7th, 1912, estimated the cost of a new plant to furnish filtered river water at \$618,000.00, which, with office furniture and fixtures, books, etc., as above, would be \$620,000.00. The cost of operation of filter is estimated at \$3.50 per million gallons or \$2,555.00 for filtering an average daily supply of 2,000,000 gallons for one year. This amount is 5 per cent interest of an investment of \$51,100.00.

Cost of a plant to furnish water from the Steere farm locality through the present distribution system, including the cost to make the present distribution system adequate for present needs and future extensions:

Cost of lands needed and wells	\$ 60,000.00
Cost of auxiliary station and piping at Steere farm	15,000.00
Cost of pipe line from Steere farm to main station near city	60,000.00
Main pumping station...	35,000.00
Changes in present distribution system, including force mains and present necessary extensions	60,000.00
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	\$230,000.00
Engineering and contingencies	\$ 20,000.00
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	\$250,000.00

This contemplates the use of the Steere farm locality as the only source of supply and the use of some of the machinery and equipment at the present stations in a new station south of the city. The river station building and piping would be maintained for a possible future emergency use.

Cost of plant to furnish filtered river water through the present distribution system, including the cost to make the present distribution system adequate for present needs and future extensions:

Cost of water and filtration plant	\$100,000.00
New force main to supply new elevated tank and Fifth ward	40,000.00
Changes in present distribution system, including present necessary extensions	40,000.00
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	\$180,000.00
Engineering and contingencies	\$ 15,000.00
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	\$195,000.00

This contemplates the abandoning of the station on West Washington street and furnishing the entire supply, from the river station, where practically the whole supply would need filtration. As shown above, the cost of filtration would be interest on considerable investment. If the station on West Washington street were continued, the immediate changes in distribution system could be reduced to about \$30,000.00 and the filtration charges could be reduced by \$3.50 per million gallons on