35.00

35.00 35.00

35.00

Harley Wise, salary

George Isbel, salary

Recapitulation.

Police 324.16

6		COMM	ION (COUNCII	۔ ر
Bridge,	Cul. and	Crosswa	ılk	310.32	S
Total	City fund Sewe	s r Fund		\$1,383.04	a
Labor ac	ecounts— 50 56			\$ 84.23	g
					V
	Sewer fun				V
Grand Ann	total Arbor, M inance Co	ich., Ja	nuary	.\$2,389.10 19,1914.	I.
Council	•				
C +1	non I ho	ve exan	nined t ne cit v	the fore- of Ann	r
Arbor, a	counts ag	y certif	y that	they are	S
correct I	o the best	OT HIN	KIIO WIC	U, S	t
	ROSS G	the Co	m, City	Conneil:	t
To the	Honorable, nen—Your	, the Co Fina	nce c	om:nittee	A
have rev	iewed the	foregon	ig repo	ort. war	2
rants for	· salaries	were dra	awn Jai	nuary 16,	8
1914. V	Ve recomm	nend the	at sam	e be ap-	•
day rring f	and that or the for	COLLUGA	accomm	S.	6
GEO LI	TTZ, ALB	ERT F	IEGEL	, THEO.	8
F. P	ROCHNOV	V. Fina	nce Co	mmittee.	8
Ald. (Geo. Lutz	moved	the a	adoption	ŧ
of the	report.	e - 11 - rrra :	Voo	ng A1d	(
Adop	ted as t Fiegel	.awonoj Har	reelma	nn A	(
Schultz,	Prochno	$\mathbf{x} = \mathbf{K}_0$	ernke.	Pipp.	
Sherk	Hubbard	. Rash	. Gro	ves, G.	Ĩ
Lutz, P	Prochnov Hubbard res. Schr Street	nid, 13.	Nay	rs, none.	
To the	Honor	able.	the (Common	t
Counc	oil:				
Gentl	emen—Y om was	our Str	eet co	mmittee	
to who	om was	refer	red tl	ne peti-	
tion of	John O)'Mara	et al.,	asking	
that Ty	velfth str o Cather	reet ire	on An	n street	
north t	o Cather	art that	we h	ave had	•
the ma	fully repo	er cons	siderat	ion and	(
recomm	nend that	t the p	etition	be not	
granted					
Respect	fully su	ıbmitte	$\mathbf{d}, \mathbf{H} \epsilon$	enry G.	
Pipp,	Theo. elmann,	F. Pro	chnow.	Thos.	
Hans	elmann, oard, Ch	Albert	Pack	I, G. W.	
Huok	Street	Commi	ttee	1, aco.	3
Ald	Pipp mo	oved th	e ado	ption of	
the rer	oort.				
Adop	ted as	follows	: Yea	as, Ald.	
Schultz	, Fiege	I, Ha	nselma	nn, A.	
Lutz,	Prochno	W, K(етике	, ripp,	
Snerk,	Hubbard Pres. Sch	nid 12	i, Gre	vs. none	
LITTEZ, I		Comn		, .,	
To the	Honor	able,	the	Common	

Council.

lows:

Gentlemen—Your

whom was referred the matter

Your committee finds that

city, have had the same under consideration and beg to report as fol-

working tramp prisoners in

committee,

to

of

this

-JANUARY 19, 1914. state law probbits the city working its prisoners in streets or alleys within the city, but your committee have been advised that by getting permission from the Board of Supervisors we may be able to work prisoners on our streets, and whereas, the Board of Supervisors passed the necessary resolution Octoper 24th, 1913, we recommend the adoption of the following resolution: Resolved. that the Sheriff Washtenaw county be and is hereby requested by this Council to appoint special deputies to take charge tramp prisoners while at work on the streets or alleys of the City of Ann Arbor, the city to pay for the services of said special deputies; but at no time shall there be a deputy appointed for less than five prisoners, or more than one deputy for The city to pay each ten prisoners. all expenses connected with working said prisoners and enter into an agreement with the proper county officials to protect the county in case of any injury to any of said prisoners so worked. Respectfully submitted, I. L. Sherk, Albert S. Lutz, E. W. Groves, Com-Ald. Sherk moved the adoption of the report. Adopted as follows: Yeas. Schultz, Fiegel, Hanselmann, Lutz, Prochnow, Koer Sherk, Hubbard, Rash, Koernke, Pipp, Groves, Lutz, Pres. Schmid, 13. Nays, none. CITY FUNDS—Treasurer's Report month ending Dec., 1913: Contingent Fund--Junk sold\$ 4.90
 City scale money
 13.40

 Milk licenses
 2.00
 Peddler's licenses Fees on taxes collected 938.89. Total Police Fund-City fees (chief) Fine money (Justice Doty) 75.00 From City Clerk Total B. C. and C. W. Fund-From City Clerk 154.93

Total

001111011 00011012	10, 1011
County Tax Fund— Taxes collected	Fire Department Fund 2,411.11
Taxes collected	Poor Fund
Total\$32,947.53	Street Fund 23.77
School Tax Fund— Taxes collected	Park Fund 122.58 Street Light Fund 4.469.17
	Sidowalk Fund
Uncellected City Blow Fund	State Tax Fund
Taxes collected	School Tax Fund
Total\$17,971.38	
B. C. and C. W. Fund—	City Hall Tax 20 00
Transfered from Lab. Acc. Pav.	Total\$158,777.30
20	Overdrawn 22,382.02
28	On hand Jan. 1, 1914\$136,395.28
Transfered from Lab. Acc. Pav.	Overdrawn-
	Water Fund 723.65 Sidewalk Building Fund 285.68
Total\$ 6,661.89	Bridge, Culvert and Crosswalk
Cemetery Fund— From City Clerk	Fund
	Delinquent Tax Fund 4 C19.81
Total\$ 35.00	Sprinkling District No. 11 211.03
Sprinkling Dist. No. 11— Taxes collected	Sprinkling District No. 12 91.78 Sprinkling District No. 13 93.43
	Teachers' M. Tax 242.38
Total	Total\$22,382.02
Taxes collected	Warrants Outstanding—
Contract to the second of the	Contingent Fund 320.63
Total	Fire Department Fund 101.16 Poor Fund 10.00
Taxes collected	Police Fund 254.16
Total\$ 21.80	Park Fund
Rejected Tay Fund—	Fund 216.07
Taxes collected	SEWER FUNDS-Treasurer's Report
Total\$ 24.32	for month ending Dec., 1913: Tax Acc. Sewer Districts—
m	Taxes collected Sewer No. 32\$ 65.79
Taxes collected	Taxes collected Sewer No. 33 3.32
Total\$ 757.62	Taxes collected Sewer No. 34 161.08 Taxes collected Sewer No. 36 34.59
Total\$184,379.32	Taxes collected Sewer No. 38 7.71
Total	Taxes collected Sewer No. 39 15.05 Taxes collected Sewer No. 40 11.50
	Taxes collected Sewer No. 41 59.28
Total	Taxes collected Sewer No. 44 6.63 Taxes collected Sewer No. 46 5.28
	Taxes collected Sewer No. 47 3.28
On hand Jan. 1, 1914\$136,395.28	Taxes collected Sewer No. 48 149.69
Condition of City Funds on the first day of Jan. 1, 1914:	Total\$ 524.16
Warrants Paid-	On hand Dec. 1 11,364.50
Contingent Fund	Total\$11,888.66
Fire Department Fund 2 264.71	Warrants paid 3,654.53
Poor Fund 129.91	On hand Jan. 1, 1914\$ 8 234.13
Police Fund	Condition of Sewer Funds on the first
Water Fund 5,068.12	day of Jan., 1914:
Park Fund 214.14 Street Light Fund 1,300.89	Warrants Paid— Labor Acc. Lateral Sewer No. 49 13.93
Sidewalk Fund 12.12	Labor Acc. Lateral Sewer No. 55 1,176.49
Bridge, Culvert and Crosswalk	Labor Acc. Lateral Sewer No. 56 1,163.25 Labor Acc. Lateral Sewer No. 61 1,300.86
Fund	
	Total\$ 3,654.53
Total\$30 750.59 On Hand—	On Hand— Labor Acc. Lateral Sewer No. 49 43.18
Contingent Fund 2.495.79	Labor Acc. Lateral Sewer No. 51 480.52
City Cemetery Fund 586.73 Dog License Fund 433.06	Labor Acc. Lateral Sewer No. 52 69.72 Labor Acc. Lateral Sewer No. 53 891.88
State Dog Tax Fund 100.00	Labor Acc. Lateral Sewer No. 55 303.25

Labor Acc. Lateral Sewer No. 60 2,6 Labor Acc. Lateral Sewer No. 61 2,6 Tax Acc. Lateral Sewer No. 27 Tax Acc. Lateral Sewer No. 35 Tax Acc. Lateral Sewer No. 41 Tax Acc. Lateral Sewer No. 42 Tax Acc. Lateral Sewer No. 43	096.90 311.62 310.55 13.06 252.52 375.02 246.05 121.82	On hand Jan. 1, 1914
Tax Acc. Lateral Sewer No. 45 2 Tax Acc. Lateral Sewer No. 46 2 Tax Acc. Lateral Sewer No. 47 3	167.77 218.23 290.04 308.63 146.47	Total \$ 6,690.51 On Hand— Tax Acc. Pavement No. 5 1,079.01 Tax Acc. Pavement No. 6 76.20 Tax Acc. Pavement No. 8 591.62 Tax Acc. Pavement No. 11 789.70
Total	013.10	Tax Acc. Pavement No. 13 422.41 Tax Acc. Pavement No. 14 952.10 Tax Acc. Pavement No. 15 1,130.07
Overdrawn— Labor Acc. Lateral Sewer No. 42 Labor Acc. Lateral Sewer No. 43 Labor Acc. Lateral Sewer No. 44 Labor Acc. Lateral Sewer No. 45 Labor Acc. Lateral Sewer No. 46 Labor Acc. Lateral Sewer No. 47 Labor Acc. Lateral Sewer No. 47 Labor Acc. Lateral Sewer No. 48 Labor Acc. Lateral Sewer No. 50 Labor Acc. Lateral Sewer No. 54 Labor Acc. Lateral Sewer No. 57 Labor Acc. Lateral Sewer No. 57 Labor Acc. Lateral Sewer No. 58 Labor Acc. Lateral Sewer No. 58 Labor Acc. Lateral Sewer No. 59	170.03 161.63 204.26 247.32 538.53 532.71 199.27 14.12 17.44 52.91 52.91 52.7.98 101.49	Tax Acc. Pavement No. 16. 967.72 Tax Acc. Pavement No. 17. 582.79 Tax Acc. Pavement No. 18. 2,363.26 Tax Acc. Pavement No. 19. 1,490.76 Tax Acc. Pavement No. 20. 37.81 Tax Acc. Pavement No. 21. 1,898.56 Tax Acc. Pavement No. 22. 167.09 Tax Acc. Pavement No. 23. 668.22 Tax Acc. Pavement No. 24. 140.78 Tax Acc. Pavement No. 25. 224.25 Tax Acc. Pavement No. 26. 72.16 Tax Acc. Pavement No. 27. 2,703.47 Tax Acc. Pavement No. 28. 3,546.59 Tax Acc. Pavement No. 29. 2,410.41 Labor Acc. Pavement No. 20. 254.34
Tax Acc. Lateral Sewer No. 33 Tax Acc. Lateral Sewer No. 34 2,1 Tax Acc. Lateral Sewer No. 36 1 Tax Acc. Lateral Sewer No. 37 Tax Acc. Lateral Sewer No. 38 Tax Acc. Lateral Sewer No. 39 2	58.68 61.45 39.79 53.04 29.42 283.14	Labor Acc. Pavement No. 30 12,526.20 Total
Tax Acc. Lateral Sewer No. 49 Tax Acc. Lateral Sewer No. 50	25.93 15.24 19.91	Overdrawn— Tax Acc. Pavement No. 7 198.69 Tax Acc. Pavement No. 9 1,282.28 Tax Acc. Pavement No. 10 799.80
Total	15,54	Tax Acc. Pavement No. 12
Tax Acc. Paving District No. 7. Tax. Acc. Paving District No. 8. Tax Acc. Paving District No. 12 Tax Acc. Paving District No. 14 Tax Acc. Paving District No. 15 Tax Acc. Paving District No. 16	11.91 37.92 14.15 14.65 35.83 43.72	Gentlemen—This is to certify that there was on deposit to the credit of Chas. L. Miller, Treasurer of the city of Ann Arbor, on the 1st day of January, 1914 the sum of One Hundred Twenty-seven Thousand, Seven Hundred Forty and 79-100 (\$127, 740.79).
Tax Acc. Paving District No. 18 Tax Acc. Paving District No. 19 Tax Acc. Paving District No. 20 Tax Acc. Paving District No. 21 Tax Acc. Paving District No. 24	35.92 28.57 42.73 87.12 51.08 27.09	Very Respectfully, EDW. L. SEYLER, Cashier. City furds on hand\$136 395.28 Sewer funds on hand\$234.13 Pavement funds on hand\$2,660.47
Tax Acc. Paving District No. 27 Tax Acc. Paving District No. 28 3,5	37.85 16.29 10.41	Total
Paying District No. 28—	43.40 97.44 79.81	Total
Total	25,48 90,51	Hon. Board of Public Works, Wirt Cornwell. Esq., President: GentlemenThe following is a report of the work done by the Street Department during the month of December,
On hand Dec. 1	15.50	1913:

	COMMON COUNCIL-	_
	Nov. 27-Dec. 10 Dec. 11-31: cleaning	1
	paved streets, labor\$422.94	Ī
	Nov. 27-Dec. 10, Dec. 11-31; cleaning paved streets, labor	-
	Repairs inlets, spills and gutter boxes,	
	labor	i
	Thayer, at sidewalk Ashley and Huron;	(
	Thayer, at sidewalk Ashley and Huron; Cambridge road and Lincoln; Spring st; lowering inlet alley, Liberty and Ashley	1
,	and First north side; putting in gutter	•
	hov east end Philip st instead of tile.	
	laying tile in gutter south side Madison bet. Main and Fourth ave.; repairs gut-	
	ter boxes: Catherine and Clark; Kings- ley and Ashley; Catherine and Detroit	,
	st.)	j
	Repairs Broadway sidewalk between bridges, labor	1
	City know Dent Acct '	1
	Work on sanitary sewers laying tile.	(
	labor\$108.11 Flushing sanitary sewers, labor 4.05	5
	Repairs E. Washington st. storm sewer, labor	
		j
	Total\$118.91	1
	Cleaning gutters on dirt streets, labor 3.61	
	(Oakland: Detroit.)	1
	Miscellaneous work and repairs, labor	1
	(Driver city team, \$6.00—work on snow	
	(Driver city team, \$6.00—work on snow plows, \$2.98—work on street sweeper	
	brooms, \$54.39—filling power house cut N. University and Washtenaw, \$2.42—re-	97
	moving ashes city hall, \$1.75 — handling coal and hay, \$1.34—removing ashes en-	
	ging house \$1 45—renairs sidewalk Ann	
	and Main and removing water barrel Mosely st., 0.84—clearing up, \$3.03.) Grading, graveling and patching dirt streets, labor	
	Grading, graveling and patching dirt	
	streets, labor	
	(Graveling: Cambridge road and Forest; Fountain; Madison; William; Fairoaks Parkway; Forest; Oakland; filling with cinders: Felch; east end Philip; Bald- win; S. Main; Depot; Hill east of	
	Parkway; Forest; Oakland; filling with	
	win; S. Main; Depot; Hill east of	
	Oswego; E. Huron; Beakes; Elm; Geddes ave.; grading: Hill bet. Forest and	
	Church; McKinley ave.; cor. Washtenaw	
	ave. and Fairoaks Parkway; patching	
	holes in various streets.) Extensions and crosswalks, labor 2.17	
	(Repairs crosswalk Summit; leveling ex-	
	tension Washtenaw and Fairoaks Parkway.)	
	Grading sidewalks, labor	
	7th sts.: filling cinders Catherine bet.	
	Ingalls and Glen avenue.)	
	Taking care of snow, labor— Cleaning snow from crosswalks, gutters,	
	etc\$ 41.11	
	Plowing snow from gutters 1.00 Cleaning snow from Park walks 2.18	
	Cleaning snow from Park walks 2.18 Plowing snow from sidewalks 51.50	
	Total \$ 95.79	
	Manufacture accounts Patrick Control Control	
	Respectfully submitted, J. WISNER,	
	Street Commissioner.	

ANNUAL REPORT OF BOARD OF PUBLIC WORKS.

To the Hon. Board of Public Works, Ann Arbor, Mich.

Sirs:—I beg to submit the following report of work done, under your direction, in the Engineer's Department during the year ending Dec. 31st, 1913.

Very respectfully,
MANLEY OSGOOD.
PAVING.

All of the paving laid this year was tarred-concrete pavement, seven inches thick. The bottom five inches were mixed eight parts of bank run gravel to one part of cement. top two inches were mixed two parts of bank run gravel, with the larger stones screened out, or of washed sand, to one part of cement. washed sand was used in the top two inches on W. Liberty st., only, and on that street only from the Ann Arbor Railroad to Fifth st. and from Sixth st. to Seventh st. Expansion joints three-quarters of an inch wide were left along each curb and one-half inch wide transversely every fifty feet along the pavement. These were mostly filled with filler asphalt to the full depth of the pavement. Two transverse joints and about one hundred and fifty feet along the curb on the south side of W. Huron st., west of Third st., were filled, in construction, with an asphalt soaked felt filler which would save considerable in the cost of construction if it proves of merit.

Cement cost \$1.14 per bbl. net. f. o. Ann Arbor; b. cars in bank run gravel cost \$1.15 per load of about 11-3 cu. yds. delivered on W. Huron st. and W. Liberty st. and \$1.40 per load of the same size on Hill and. Oswego sts.; water cost 25 cents per two hundred square feet of paving: the cheapest day labor was 25c per hour and much of it cost \$2.50 per nine hour day; teams cost 50c per hour; tar for surfacing cost five cents per gallon delivered in the City Tank; asphalt Storage filler \$23.00 per ton f. o. b. cars at Ann Arbor; washed sand for the top two inches of concrete and torpedo gravel for the wearing surface cost 45c per ton, or about 63c per cu. yd., f. o. b. cars in Ann Arbor.

HILL AND OSWEGO STS.—District No. 20, from Washtenaw av. to Geddes av. was completed this year. This district was started in 1911, the curbing being completed the entire length of the improvement and

line of Oxford Road. In 1912, the expansion joints are all filled with remaining excavation was completed asphalt filler. The slopes from remaining excavation was completed and the pavement built to about seventy-five feet east of Cambridge Road. After the completion of the excavation last year, the Common Council ordered the grade on Oswego st. raised, in part, and that portion of the street refilled. This refilling was done and the district completed this year. The itemized cost of that portion of this district completed each year, together with the itemized cost of the district as a whole, was given in my report to you dated Nov. 11, 1913. From that report, the following information is repeated:

1388 sq. yds. laid in 1912 at a cost of per sq. yd...... 1.00 2373 sq. yds. laid in 1913 at a

cost of per sq. yd...... 1.15 These costs are for pavement only, and exclusive of the cost of curbing and grading. The cost of changing the grade on Oswego st. after the excavating done in 1912 was \$775.89. There are a total of 5681.6 sq. yds. of pavement in this district and the total cost was \$7,726.41, both exclusive of work done in paving driveways from curb to sidewalk. The costs for the entire district were as

Cost per sq. yd. complete.....\$1.36 Cost per sq. yd. for grading and

paving 1.16 Cost per sq. yd. for concrete paving, filling joints and wearing surface Cost per sq. yd. for filling joints

and wearing surface Cost per sq. yd. for concrete

pavement, only The cost for engineering, only, on that portion of the improvement which was built in 1913 was \$79.58 or a unit price of 31-3c per sq. yd. This includes the engineering cost for changing the grade on Oswego st. as well as all that for the paving.

driveways this in district which were paved from the curb to the sidewalk contain 83.3 sq. yds. for which, together with the curbing and grading in same, the City will collect

\$99.22.

W. LIBERTY ST.—District No. 28, from Ashley st. to the City Limits. was started about May 8th and finished early in October. As noted above, the top two inches of concrete from the Ann Arbor Railroad to Fifth st. and from Sixth st. to Seventh st. is

the pavement completed to the east made with a sharp washed sand. The Ashley st. to First st. and from Second st. to the Ann Arbor Railroad were corrugated to give horses a foot hold.

There are 15,612.5 sq. yds. of pavement and 8,562.7 lin. ft. of curbing in this district. The total cost, as shown in my report to you dated Nov. 17th, was \$20,836.90 and the unit costs were as follows:

Cost per sq. yd. complete\$1.335

Cost per sq. yd. for grading and paving 1.19 Cost for concrete pavement, joints and wearing filling

.984 surface, per sq. yd..... Cost per sq. yd. for filling

joints and wearing surface.. .082 Cost per sq. yd. for concrete

pavement, only The cost for engineering, only, in this district was \$380.06 or a unit This incost of \$0.024 per sq. yd. cludes all preliminary surveys, plans. profiles, estimates, staking out, reports and boundaries for assessment district, and includes all portion of my own time properly chargable to this account.

The driveways in this which were paved from the curb to the sidewalk contain 516.3 sq. yd. of paying and 697.3 lin. ft. of curbing for which, together with the grading in same, the City will collect \$680.98.

W. HURON ST.—District No. 29, from Ashley st. to the Junction of Huron st. with Jackson av. and Dexter av., was started about May 3d and finished shortly after the middle The work in this disof October. trict was considerably delayed by the D. J. & C. Ry. who would not proceed with their part of the work at the proper time. Their delay also made it necessary for the City to chop off the end of a majority of their cross ties, which labor imposed an extra expense of \$112.05 on this district. This amount our City Attorney will collect, if possible, from the D. J. & C. Ry.

The expansion joints of this street are mostly filled to their full depth with filler asphalt, except, as noted above, just west of Third st. on the south side where prepared felt was used. The slopes from First st. to the Ann Arbor Railroad and west of Third st. were corrugated to give a foot hold for horses.

There are 14,130.6 sq. yds. pavement and 8,912 lin. ft. of curb-

COMMON COUNCIL	—JANUARY 19, 1914.
ing in this district. The total cost, as shown in my report to you dated Nov. 17th, was \$19,257.61 and the	liam st., District No. 27, built and surface in 1912, Ann Arbor Tarred concrete:
unit costs were as follows: Cost per sq. yd. complete \$1.36	Labor and superintendance\$199.16 Tar, Approx. 2,500 gal. at 5c. 125.03
Cost per sq. yd. for grading and paving 1.205	Sand. 29 loads at 83c 24.07 Wood for heating tar 2.25
Cost per sq. yd. for concrete pavement, filling joints and	Total \$350.43
wearing surface 1.01 Cost per sq. yd. for filling joints	This pavement has a surface of 7,702 sq. yds. and was entirely re-
and wearing surface09 Cost per sq. yd. for concrete	surfaced, making the cost of resurfacing 4.5c per sq. yd. The cost of
pavement, only	labor and superintendance was 2.55c per sq. yd., the cost of tar and heat-
this district was \$380.53 or a unit cost of \$0.0269 per sq. yd., including	ing was 1.65c per sq. yd. and the cost of sand was 0.32c per sq. yd.
all items as above.	Fourth Ave.—Ann st. to Huron st.
The driveways in this district which were paved from the curb to	District No. 13, built and surfaced in 1910, spots repaired in 1911. Ann
the sidewalk contain 830.2 sq. yds. of paving and 730.1 lin. ft. of curbing	Arbor Tarred-Concrete: Labor and superintendance\$34.22
for which, together with the grading in same, the City will collect \$1,-	Tar, approx. 400 gal, at 5c 20.09 Sand, 2 loads at 83c 1.66
043.28. CHURCH ST.—District No. 30,	Wood for heating tar50
from Washtenaw av. to Prospect st. was commenced about Aug. 6th, and	Total \$56.38 This pavement has a surface of
the curbing was completed in Octo-	1,159 sq. yds. and was entirely re-
ber. No excavating or paving was done this season, but extension walks	surfaced, making the cost of resurfacing 4.85c per sq. yd. The cost of
were built and repaired and cross- walks repaired to put the street in	labor and superintendance was 2.95c per sq. yd.
condition for over winter. The cost of this improvement to date has been	East Washington St.—From the Merchant's Delivery Barn to Twelfth
as follows: Curbing\$1,489.11	st. District No. 15, built and surfaced in 1910, spots repaired in 1911. Ann
Setting inlets (chargeable to B. C. & C. fund) 49.93	Arbor tarred-concrete pavement: Labor and superintendance\$180.91
Engineering 133.03	Tar, approx. 2,200 gal. at 5c 110.00 Sand, 11 loads at 83c 9.13
Total \$1,672.07 HILL ST. —District No. 31, from	Wood for heating tar 2.00
State st. to Washtenaw av., was	Total \$302.04
curbed from Church st. to Forest av. at the same time the curbing was	The surface retarred was approximately 5,000 sq. yds., making the
built on Church st. This is in con- formity with a resolution of the Com-	cost of resurfacing about 6c per sq. yd. The cost for labor and superin-
mon Council ordering this block on Hill st. paved at the same time	tendance was about 3.6c per sq. yd. East Liberty St.—State st. to Main
Church st. is paved. The preliminary survey for this entire district was	st., District No. 7, built in 1903, first coated with tar in 1910. Asphalt
also made. The total cost to date for this work has been as follows:	block pavement: Labor and superintendance\$200.97
Curbing	Tar, approx. 3,000 gal. at 5c 150.00
Total \$185.51	Sand, 57 loads at 83c 47.31 Wood for heating tar 3.00
RESURFACING PAVEMENTS	Total \$401.28
The total labor and superintendance cost for resurfacing of pavements	The surface tarred was approximately 8,000 sq. yds., making the
	cost for resurfacing about 5c per square

done under the City Engineer's De- cost for resurfacing about 5c per sq.

yd.

partment was \$615.26. The itemized

and unit costs on the several streets

were as follows:

tendance was about 2.5c per sq. yd. In all of the resurfacing done under Ashley St .- Catherine st., to Wil- the direction of this Department, the

The cost for labor, and superin-

which would drive off all of the water recovered to the City in the ten cents and lighter oils before it was applied per sq. yd. charged against each payto the surface of the pavement. The ing district for engineering superinsurface of the pavement was thoroughly cleaned and all conditions were made as favorable as possible to good results. The labor cost for this work could be very materially reduced by the purchase of modern machinery with which to heat and apply this tar coating.

resurfacing of pavements was done by the Street Commissioners Department and reported upon by

GENERAL—For preliminary engineering work on Division st. pavement \$14.83 was expended and on Jefferson st. pavement \$7.89 was ex-For completing drawings pended. and office records of Mary st. pavement, District No. 26, \$2.70 was expended and for the same work on Ashley st. pavement, District No. 27, \$6.90 was expended this year. cost of relaying asphalt block at the northwest corner of the University of Michigan campus in a way to care for storm water was \$33.75. After the completion of the pavement on the south side of West Huron st. at the First st. intersection, it was necessary to cut out and replace a small section, where forms had been of \$9.18. For tools for paving work, including one ten barrel asphalt kettle. \$312.30 was expended through the bonds redeemable in that year.

tar was heated to a temperature this office but such items are fully tendance, tools, etc.

A summary of paving work done this year is given in table No. 1 on

the following page.

Statement of Kinds of Pavement In Ann Arbor-

Brick on concrete23,265	sq.	yds.
Brick on sand 1,589	sq.	yds.
Asphalt block on sand. 34,846		
Bitulithic 7,519	sq.	yds.
Ann Arbor Tarred-Concrete:	•	•

Laid	in	1909 1,883	sq.	yds.
		191016,557		
Laid	in	191164,089	sq.	yds.
Laid	in	191211,537	sq.	yds.
		191333,463		

Total Ann Arbor Tar-

Concrete 127,529 sq. yds.

Total of all kinds of

paving 194,748 sq. yds.

The total original cost of paving done in Ann Arbor to date, exclusive, as above, of macadamizing Detroit st. and S. University av. is \$311,559.26. The outstanding paving bonds, including those issued for Church st., now practically amount to the \$150,000.00 which, according to a charter provision, may not be exceeded. After set above the stakes, at a total cost the completion of Church st., then, the total cost of paving done in any one year must not exceed the face of

SUMMARY OF PAVING COMPLETED IN 1913.

Streets and Limits	District		Kind o	f Pavement		Nature of Work Done		Total Cost	City to Pay	Property to Pay	Sq. Yds. P'v'nt	Lin. Ft. Curb	Cost of Excavation	Total Cost Per Sq. Yd	Cost Paving only Per Sq. Yd
Hill and Oswego Sts. from Wash- tenaw Av. to Geddes Av	20 24	Ann	Arbor	tar-concret	e New	Paving	7726.	. 41	2681.69	5044.72	5682	3962	1120 30	\$1,36	.93
tenaw Av. to Geddes Av	41	11		bridge to			2762.	.63		1	2373	1279		·····	1.15
W. Huron St., Ashley to Forks	29 38	Ann	Arbor	tar-concret	e New	Paving	19257.	61	6049.60	13208.01	14131	8912	2323.48	1.36	1.01
W. Liberty, Ashley to City Limit	28 30	Ann	Arbor	tar-concret	e New	Paving	20836.	. 90	6409.02	14427.88	15612	8563	2752,60	1.34	.98
Church St., Washtenaw to Prospect Hill St., State to Washtenaw						rbing rbing									
Ashley St., Catherine to William' Fourth Av., Ann St. to Huron St							350. 56.	48			7702 1159			0.045 0.048	
Washington St., W. of State to Twelfth Liberty St., State St. to Main St.	15	Ann	Arbor	tar-concret	e Resu	rfacing	302. 401.	04			5000i			0 06	
Note— Other repairing, resurfacing	ig ai	nd pa	atching	of wearing	g surf	ace on	tar-co	nc	rete an	d aspha	ilt ble	ock	paveme	nts d	lone

by Street Commissioner's Department.

SANITARY SEWERS.

Twelve new sanitary sewer districts were established this year, the plans, profiles and estimates prepared and the work let to contract. Several of these districts have been completed and the work is proceeding on some of those remaining. The districts, with the cost of each to date, are as follows:

District No. 51. Summit st. sanitary sewer from Main st. to Spring st. is an eight inch vitrified tile sewer emptying into the sewer which runs east on Summit st. from Main st. The work in this district was let to Mr. E. L. Schneider and the costs to date

have been as follows:

Amount paid to contractor..\$879.48 Laying tile and inspecting.... 58.10 Engineering, etc. 38.67

District No. 52. Hiscock st. sanitary sewer from Fountain st to Miner st. is an eight inch vitrified tile sewer emptying into the sewer of the same size and material which runs south on Fountain st. The work in this district was let to Mr. E. L. Schneider, who has completed same and was allowed a final estimate on Sept. 2d, 1913. The cost has been distributed as follows:

Amount paid to contractor ..\$274.28 Laying tile and inspecting .. 20.73 Engineering, etc. 8.96

District No. 53. Crest ave. and West Washington st. sanitary sewers furnish sewerage for the entire Huron Crest Subdivision and that part of W. Washington st. between Ninth st. and Huron Crest Subdivision. is an eight inch vitrified tile sewer emptying into the sewer of the same size and material running east Washington st. from Ninth st. work in this district was let to Mr. E. L. Schneider and the costs to date have been as follows: Amount paid to contractor..\$2,296.12

Laying tile and inspecting . 96.40 Engineering, etc. 37.56

District No. 54. W. Liberty sanitary sewer exension from former west end to the west City limits was constructed on account of the building of pavement on that It is an eight inch vitrified street. tile sewer with a four inch connection for each building site extended to the curb line. The work in this district was let to Mr. E. L. Schneider who has completed the same and was allowed a final estimate on Nov. 3d, 1913. The cost has been distributed as follows:

Amounts paid to contractor. \$1,015.44 Laying and cementing tile

 and inspecting
 21.73

 Engineering ,etc.
 10.93

Total\$1,048.10 The 5 per cent retained for one year amounts to \$53.44 and is payable Nov. 3d, 1914.

District. No. 55. Austin ave. and Washtenaw ave. sanitary sewer extends on Washtenaw ave. from 150 ft. northwest of the northwest line of Berkshire Road, where it intersects Washtenaw ave., to the City limits on Washtenaw ave., draining from both directions to Austin ave.; thence down Austin ave. and across the private property of Mr. L. D. Carr to empty into the Granger ave. sewer two hundred feet west of Ferdon Road. is an eight inch vitrified tile sewer with eight by four inch tees in the line of sewer to receive the connection from each building site. sewer on Granger ave. into which this sewer empties is of the same size and The work in this district material. was let to Mr. E. L. Schneider and the costs to date have been as follows:

Amounts paid to contractor. \$2,852.01 Laying tile and inspecting. 121.98 Engineering, etc. 132.33

Total\$3,106.32 This sewer is not yet completed in a condition for final estimate.

District No. 56. This district is in the Third ward and furnishes sewerage for Brooks st. from Miller ave. to Pearl st., for Gott st. and Miner st. from Felch st. to Pearl st., for Felch st. from Fountain st. to Gott st., for Hiscock st. from Miner st. to Engineering, etc. Brooks st., and for Summit st. from Spring st. to Brooks st. The sewer on Felch st. from Fountain st. to Miner st. is ten inch vitrified tile and all of the remainder of this district is eight inch vitrified tile. Plain tees and, more recently, sanitary tees with four inch openings have been placed in the line of these sewers to receive the connection from each building site. Mr. E. L. Schneider was warded the contract for this district and the costs to date have been as follows.

Amounts paid to contractor. \$2,665.03 Laying tile and inspecting.. 145.89 170.25 Engineering

Total\$2,981.17

Work in this district has progressed on Brooks st., Felch st., Gott st., Hiscock st. and Summit st., but the district is not yet completed.

District No. 57. Geddes ave. santitary sewer extension from Oswego st. east as far as possible on account of the slope of the ground, is eight inch vitrified tile sewer with a four inch extension for each building site extended to the curb line. empties into the Geddes are sanitary sewer of the same size and material running west from Oswego st., where the flushtank at its former east end was changed to a manhole. Mr. E. L. Schneider was awarded the contract in this district and the costs to date have been as follows: Amount paid to contractor.. \$349.15 Laying tile and inspecting.. 16.48

Total\$379.83 This sewer is not yet completed in

14.20

Engineering, etc.

condition for final estimate.

District No. 58. W. Huron st. sanitary sewer extension from its former west end, where the flush tank was changed to a manhole, to beyond the end of the pavement at the junction of Jackson ave. and Dexter ave. with W. Huron st. was constructed on account of the building of the pavement on West Huron st. It is an eight inch vitrified tile sewer with a four inch connection for each building site extended to the curb The work in this district was let to Mr. E. L. Schneider, who has completed the work and was allowed a final estimate on Nov. 3, 1913. The

cost has been distributed as follows: Amount paid to contractor .. \$158.51

Laying tile and inspecting.... 11.95

8.26

Total\$178.72 The 5 per cent retained for one year amounts to \$8.34 and is payable on Nev. 3d, 1914.

District No. 59. Ann st. sanitary sewer, between Fourteenth st. Observatory st. is an eight inch vitrified tile sewer with eight by four inch tees placed in the line of the sewer to receive the connection from each building site. It empties into the sewer of the same size and material running west from Fourteenth Mr. E. L. Schneider st. on Ann st. was awarded the contract in this dis-He has completed the work and was allowed a final estimate on The cost has been Nov. 3d, 1913. distributed as follows:

Amount paid to contractor.. \$701.84 Laying tile and inspecting.. 14.18 Engineering, etc. 12.65

Total\$728.67 The 5 per cent retained for one year amounts to \$36.94 and is payable Nov. 3d. 1914.

District No. 60. Plans for an eight inch sanitary sewer on Brown st. and on Fourth av. from Hill st. to Phillip st. and on Phillip st. from Fourth av. to Main st. have been prepared and the contract for luilding same let to Mr. E. L. Schneider. The contractor has done no work this district. The engineering cost to date has been \$31.49.

District No. 61. Plans for eight inch sanitary sewers on Detroit st. from Catherine st. to Division st., on Catherine st. between Fourth av. and First st., and on N. Fourth av. from Ann st. to Catherine st. have been The contract for this disprepared. trict has been let to Mr. Schneider who has completed that part on Detroit st. from Catherine st. to Division st. Connection for each building site in this district will be run to the curb line. The costs to date have been as follows

Amounts paid to contractor..\$2,156.55 Laying tile and inspecting.. 73.33 Engineering, etc.

Total The district is not completed but work has stopped for the winter.

District No. 62. East Catherine st. sanitary sewer extension from Clark st. as far east as possible on account of the slope of Catherine st. to the eastward, is an eight inch vitrified tile sewer emptying into the running west on Catherine st. from Eighth st. between Washington st. Clark st. Eight by four inch Ys were and Liberty st. with an outlet sewer left in the line of the sewer to receive running down the Valley to empty into the connection from each building the sewer on Murray av. This work Reimold Hochrein & awarded the contract in this district liminary report has been made to the and their successors, Hochrein & Co., Sewer Committee of the Council. The have practically completed the work Engineering cost to date has been although it has not yet been inspected \$76.21. The engineering for final estimate. cost to date has been \$4.54.

GENERAL: in 1912 and reported upon in my Ann Arbor Water Co. for water for report for last year, the following ad-flushing and the amounts shown on ditional amounts have been expended: the St. Commissioner's rolls. The dis-District 48, Murray av., 5 per

District 49, Olivia av., 5 per cent retained 13.93 District 50, Myrtle st.— Engineering\$ 2.79

ing tile on Myrtle st. was paid subse- scattered in all parts of the city. quent to my 1912 report.

that plans be prepared for Sanitary the following page:

sewer of the same material and size Sewers on Sixth st., Seventh st., and were has been nearly completed and a pre-

Maintenance of existing sanitary sewers has cost \$349.14 during the On sewers completed year, including amounts paid to the tribution of cost has been as follows: cent retained\$48.46 Flushing\$154.59 Cleaning and repairing..... 194.55

Total\$349.14 The greatest cause for cleaning and Laying tile 17.25— 20.04 repairing has been the entrance of - roots through joints. Such cleaning, Total\$82.43 or repairing, or both, has been neces-The above item of \$17.25 for lay- sary in twenty-two separate places

A summary of sanitary sewer work The Common Council has directed done this year is given in Table 2 on

r e	Contractors	Schneider Schneider Schneider Schneider Schneider Schneider Schneider Schneider Schneider Schneider
	Contractors	고덕덕덕덕덕덕덕덕
	#	H
		2, 191- 3, 191- 3, 191- 3, 191- 1, 191-
1913.	When Due,	Sept. Nov. Nov.
DURING 19	5 Per Cent Retained on Contract	72 14 . 44 888 53 . 44 78 36 . 94 78 36 . 94
DE	Amount of Contract	1068.8. 1668.8. 1668.9.
BUILT	Property to Pay	292.93 1090.61 178 80 695.81 to Date to Date to Date to Date to Date to Date
SEWERS	City to Pay	41 25 48 54 10.93 06 8.26 61 69.80 25 (Cost 20 (Cost 32 (Cost 83) (Cost 84) (Cost 84) (Cost 85 (Cost 86 (Cost 86 (Cost 87 (Cost 88 (Cost 88 (Cost 89 (Cost 80 (
	Total Cost	23.101.57.00 187.00 187.00 2.95.62 2.95.62 2.981.1 2.981.1 2.901.3 3.001.3 4.55.61
SUMMARY OF SANITARY	Light Holes	Hiscock St., Fountain to Miner W. Liberty St. to City Limit W. Liberty St. to City Limit W. Huron St., to end of Pavement St. and St. to Chark to Observatory Summit St., Main to Spring Crest Av. and W. Washington Austin Av. Sanitary Sewers Third Ward, San. Sewers Fig. not completed School Completed Fig. not completed School Completed E. Catherine, Detroit and Fourth Total *Branches only.

STORM STORM WATER.

W. Huron St. and W. Liberty St.: Storm sewers were constructed this year on West Huron st. from Allen's Creek to the junction of W. Huron st. with Jackson av. and Dexter av. and on West Liberty st. from Alien's Creek to the westerly City Lim-Both of these sewers were built by City Force Account and not let to contract. Report on the W. Huron st. storm sewer was made to you under date of Dec. 1st, 1913, showing the total cost to be \$4,420.37, and on the W. Liberty st. storm sewer under date of Dec. 2d, 1913, showing the total cost to be \$4,077.47. Both of these reports are in detail.

Explusive of the cost of these new storm sewers on W. Huron st. and W. Liberty st., the cost of caring for storm water in connection with the paving work on these streets was as follows:

At the corner of W. Liberty st. and First st.\$103.46 On W. Huron st. at the corner of First st. and in the low point under the Ann Arbor R. R 62.75

At the west end of these two streets, where the pavement was built on a clay sub-grade, tile drains were constructed or either side of each street just inside and below the curbing. These empty into storm sewer inlets repaired at a cost of \$13.95. and are to prevent water from standing and freezing underneath the pavement. The cost for this work was: On W. Liberty st......\$ 84.53 On W. Huron st..... 34.50

Total\$119.03 East Washington St. Early in the season, a storm sewer was built on E. Washington st. from the low point in front of the new University Power House to the Cat Hole near the corner of Twelfth st. and Washington st. This sewer was built to care for water which was formerly emptied onto private ground belonging to the University of Michigan and which formstorm water s wer shall be built down ed to \$133.00. Glen av. to care for this district. This

SEWERS AND CARE OF sewer on E. Washington st., also, was built by City Force Account and the cost was az follows:

Labor	\$260.52
Superintendence	20.00
Tile	120.00
Manhole top	5.50
Inlet grates	3.75
Brick	4.00
Cement	
Depreciation on lumber, tools,	
etc.,	10.00
Engineering	9.62

Hill and Oswego Sts. In connection with the paving done on Hill and Ogwego sts. a broken inlet was replaced and other repairs were made to the storm water sewer at a total cost of \$14.74.

Storm Sewer Repairs: The tile in the twenty-four inch storm sewer on W. Huron st. just east of Allen's Creek was found, during the course of paving W. Hu on st., to be badly cracked and broken for a distance of about 150 feet, extending from the Creek to east of the Ann Arbor Railroad. It was repaired, by replacing some of the most badly broken tile and encasing the whole in concrete throughout the length damaged, at a cost of \$118.29.

The storm sewer on W. Jefferson st. just west of the Ann Arbor Railroad was found to be in similar condition for about fourteen feet distance and

The storm sewer constructed this season on E. Washington st. and reported upon above was broken by the contractors in constructing the con-crete tunnel from the new University Power House to the Campus. This was repaired at a cost of \$39.88, for which a bill has been rendered against

the University of Michigan.

General: For the care of storm water in other parts of the city, including the care of water dripping from the standpipe at the corner of Hill st. and .E. University av., \$30.53 was expended through this department. The 5 per cent paid to Hochrein & Relmold one year after the completion of Willard St. Storm Sewed quite a lake in Washington St. ar-ter the former outlet was filled up er amounted to \$8.04. Cleaning stor-by the University in the course of sewer manholes and inlets cost by the power house and before \$15.00. For the completion of Church outlet. The emptying of this storm pended, and the 5 per cent paid to water into the "Cat Hole" is only a Hochrein & Reimold one year after temporary relief to be used unt'l a the completion of this sewer amount-

Under the direction of the Common

Council and the Sewer Committee of for the expense above. the same, surveys and plans and estimates were made for the construction of storm and sanltary sewers across private property \mathbf{and} down Glen av. from the low point in Washington st. between Twelfth st. and Fourteenth st. to the Huron River and the Main Sanitary Sewer, respectively. The total cost of this work was \$60.66.

Under the same direction, surveys and estimates were made for the extending of the storm sever on W. Jefferson st, one, two or three blocks west from Second st. These surveys

and estimates cost \$32.04.

1902

.

Hauling and handling tile which were rejected from those purchased tem has not kept pace with other pubfor storm sewer work cost \$25.53. lic improvements nor with the needs

Lumber and tools bought for use in the construction of storm sewers cost **\$1**68.33. The tools are on hand for further use and the lumber was used for other purposes after the completion of the sewers. An amount was charged against each sewer for depreciation on this lumber and tools.

Table No. 3, on the following page, is a summary of storm sewer work done this year.

NEED FOR STORM **SEWERS:** Many parts of our city are very badly in need of storm water sewerage, for the extension of the storm sewer sys-

These tile were returned to t ican Sewer Pipe Co. at Jacks and a bill was rendered this	on, Mich.,		ld be rem			conditions lly as pos-
SUMMARY OF STO	RM SEW	ERS	BUILT :	DURING	1913	3.
Streets and Limits.	Length of main.	Inlets.	Total cost.		Built	Ву
W. Huron st., Allen's Creek to Forks	.3,435 11	22	\$4,420.3	7 City	Force	Account.
to City L mit E. Washington st., between	.3,773 14		4,077.4		"	"
12th and 14th sts W. Huron st., east of Allen's Creek W. Liberty st., corner of		L 4	439.9 62.7	5 ' '	"	
First st		9	$\frac{103.4}{\$9,104.0}$	_	"	"
SUMMARY OF PUBLIC IMMENTS. The total cost of pavem sewers completed in Ann date is divided among such vents as follows: Pavement:	nents and Arbor to improve-	1906 1907 1908 1909 1910 1911 1912 1913				12,986.96 34,931.94 10,489.40 11,867.30 24,166.12 82.089.30 20,022.31 54,348.50
Total						\$554,445.21 \$13,987.15

In addition to the above, \$13,987.15 was expended this year for public im-The total cost of pavements and sewers completed in Ann Arbor to provements which are not as yet completed. This makes the total expenddate is divided according to the year ed this year for public improvements of completion as follows: Prior to 1900.....\$176,616.21 \$68,335.55.

28,372.81

3,704.93

36,850.85

34,229.39

5,024.40

Using the engineer's approximate estimate of the cost of such public improvements not yet completed and the actual cost of those completed, the total cost of sewers and pavements for 18,744.79 which surveys, designs and estimates

is \$107,623.50. This includes the cost repairing and adjusting instruments. of pavements only on W. Huron st., W. Liberty st. and Church st.

GENERAL.

Exlusive Sidewalks, Curbing, Etc. of work in connection with paving, the Engineering cost of determining grades for and setting stakes for sidewalks, (including the survey for and design of a reinforced concrete sidewalk on Broadway from the bridge over the M. C. R. R. to the bridge over the Huron River); curbing, etc., has been \$446.60. This work has been scattered quite generally over all parts of the city south of the Huron River.

Sprinkling Streets. Mr. John Gute-kunst was awarded all contracts for sprinkling streets this year. The costs

were as follows:

In addition to the above, Mr. Gutekunst was allowed \$15.00 by your body for the placing of a stand pipe at a point where it would be less conspicuous than if placed where most convenient for him.

Steere Farm: Wells at Testing This work has been fully covered in my report to the Special Water Committee of the Common Council under date of April 10th, 1913, excepting that bills not presented until a later date have raised the total cost of this work to \$4,175.24.

Water Works Statistics have been gathered from other cities, in con-nection with reports and estimates presented to the Common Council, at a cost of \$9.78.

Engineer's Office: chargeable directly to your Engineer's water and gas mains in future be laid office during the year has been \$1,639- out accurately parallel to the center equipment bought and repaired and said centers accurately recorded and all of my own time and that of my reported to this office.

were prepared during the past year assistants spent in numbering houses. attending to correspondence and routine office work, keeping up general office records, rearranging and filing office records in vault, inspecting plumbing, attending Board, Council or Committee meetings, working for the Park Board, etc., etc. This cost has been distributed as follows:

Office equipment\$ Office supplies 127.86 Surveying equipment 63.15 Expenses for telephone tolls,

22.05

street car fare and livery hire

Stakes 101.11 House numbers 46.01 Supplies for sewer work (mit-

7.75 tens) City Engineer's time...... Asst. City Engineer's time... 875.37 180.55 Time of other help employed 195.06

Total\$1,639.96 The greatest need of the Engineer's Department at present is some sort of conveyance. Much time is spent in walking to and from work in the outskirts of the city and a light motor conveyance suitable for carrying four or five men with instruments would save its cost in one season's work and would greatly increase the

efficiency of the Department.

Another matter which would greatly facilitate the work of the Engineer's Department would be to require of the Water Works Department, as soon as practicable, a map showing the location in the streets of all mains (such a map of the Gas Company's mains is at present on file The amount in this office) and to require that all This includes all supplies and of the street and their distance from

SUMMARY OF SANITARY SEWERS IN THE CITY OF ANN ARBOR.

Distric		Main Date .	No Ma Total	No. I.	8 in.	No. of Cont	Length	Flusl C'h'gd	Total
t No	Street		nholes Length	ight Ho lash T	Tile	House lections	of Ho	Tank to Ma	Cost
	•		of .	oles			ouse	nholes	

Main sewer No record......\$ 41,252 83 1 Liberty, E. of main sewer 1894 No record.....

2 Washington, E. of main sewer 13 Hill St. Dist., E. of main sewer 14 Huron, E. of main sewer 15 William, E. of main sewer 1	1895[1895[No No	recor recor	d d d		 	• · • • ·		6,831 27,912 4 303 8,454	80 19
6 Detroit	1897 1897 1900	No 1804 5 631 1370 4	recor 1 5 1 1	d		66 22 50	998 256 988		12,587 1,887 527 2,163	00
10/14th and Volland	1901 1903 1903 1904	1263 3 918 3 1527 4 4204 8	$egin{array}{c c} 1 \ldots \ 1 \ldots \ 7 \ldots \end{array}$	$egin{array}{c c} 1266 & 613 & 583 & 2706 1 & & & & & & & & & & & & & & & & & &$	$305 \\ 944 \\ 1498 $	$egin{array}{c} 27 \ 40 \ 137 \ \end{array}$	630 508 . 678 2316	[$2,083 \\ 5,024$	
14 N. Main, main sewer to Catherine 15 Cambridge, Washtenaw, Vinewood Ferdon	1905 1905 1906	1393 3 1487 4 1352 3	$\begin{vmatrix} 2 \\ 1 \end{vmatrix}$	1393 		28 40	707 726			68
17 3rd, William to Jefferson	1906 1906 1906		1 1	1737	567 487	$\frac{22}{57}$	$ \begin{array}{r} 328 \\ 2056 \\ 376 \\ 987 \end{array} $		590 4,111 574 2,147	52 76 27
21 Spring, Miller to Hiscock	1907 1906 1907	1252 4 2834 8 200 1730 5 3134 9	$\begin{vmatrix} 2 \\ 1 \\ 2 \end{vmatrix}$	688 2834 200 1730 2882	• • • •	*88 8 *30	160		2,369	92 03 00 70 67
26 Broadway and Wall St	1907 1908 1907	5682 20	2 13 3	3571	2111 1930 	*143 *337 *39			4,989 8,035 1,895 632	$\begin{array}{c} 01 \\ 98 \end{array}$
30 E. Catherine and Clark 31 Fuller and Elizabeth 32 S. Main, Mosley, Ashley 33 Arch, White, McKinley	1908 1907 1909	1498 3 1080 2 3679 8 1458 3	2 2 3	1498 1080 3108	571 1458	*38 *22 *98 *58			1,148 943 2,229 513	86 60 03
34 Packard, Granger, Ferdon	1909 1910 1910	$ \begin{array}{c c} 321 \\ 891 2\\ 1200 3 \end{array} $	$\begin{vmatrix} 1 \\ 2 \end{vmatrix}$	$ \begin{array}{c c} 7030 \\ 321 \\ 891 \\ 1200 \\ \end{array} $		*12 *27 *34			911	69 30 39
38 Hill, Division to Main	1910 1910 	$egin{array}{c c} 1320 & 3 \ 1197 & 3 \ \hline 771 & 2 \ & 4070 & 8 \ \end{array}$	1 1	1320 1197 771 3328		*19 *30			1,037 815 667 3,229	93 77
and Cherry 42 No. Main, Summit to A. A. R. R. 43 4th Av., Beakes to Summit 44 Depot, 4th Av. to Main 45 White and McKinley	1911 1911 1911 1911 1911	$egin{array}{c c} 4070 & 8 & 651 & 2 \\ & 651 & 2 & 2 \\ & 869 & 2 & 2 \\ & 335 & 345 & 1 \\ & 733 & 2 & 2 \\ \hline \end{array}$	1 1 1	651 869 335	••••	17 *31 *9 *18	230		5,229 680 646 204 247 538	14 55 26
47 E. Ann, Glen to Ingalls	1911 1912 1912	$egin{array}{c c} 655 & 1 \\ \hline 724 & 4 \\ 157 & \\ \hline \end{array}$	1 	655 738 166		*28 27 8	350 102	••••	532 982 298	71 94 62
50 Myrtle, Oswego to city limits 51 Summit St., Main to Spring 52 Hiscock St., Fountain to Miner		Not	comp	l 668 oleted l 346			370		1,795 288	
53 Crest Av. and W. Washington 54 W. Liberty to City Limit		Not	comp	oleted 420		1	334			• •
55 Austin Av. San. Sewers 56 Third Ward San. Sewers 57 Geddes Av., Oswego to 210		Not	comp	oleted 	• • • • 					::
ft. E. 58 W. Huron St. to end of pav't 59 Ann St., Clark to Observatory 60 Brown St., Phillip St	1913 	75 . 610 1 Not	. 1 : 1 : comp	1 72 1 574 oleted	 	*18	12	1	166 738	85 78
61 E. Catherine, Detroit and Fourth 62 E. Catherine, Clark to 100 ft. E Total		Not Not	comp	oleted oleted 					\$182 370), is

Note—District No. 23 never accepted by the City the above data being from the Engineer's approximate estimate. In District No. 50 one 8 in. house connection, 28 ft. long, is included in above table.

^{*}Branches only

Summary of Pavements In The City of Ann Arbor.

1	building of 2 a	,	· ·		F-2		
		_	.,	T	1		
\Box		When	No.	oʻ	Total Per	Cost Pa	
20		<u>=</u>		₹	0 3	2 4	
7		E	70	==	÷ =	7	
District			$\dot{\mathbf{s}}$	_		e y	
4		Laid	•	Total Cost	Cos Sq.	E 3	
h-4	v v	æ.	_	7.	- Z	- 100	***
No.	Street.	\mathbf{d}	Yds.	\leftarrow		ost Per So Pavement	Kind.
			x	•	Yd.	~ ;	
:		:		:	-	Ξ.	
:		:	:	•	:	ylno Y	
•			•		:	'A D	
:		*	:	:		:	
•		- •					
1-2	Main	1898	12730	31,310.10	\$2.46	\$1.64	Brick on concrete
313	Washington, Ashley to	1					
9	5th Av	1899	5140	11,645.17	2.27.	1.73	Brick on concrete
413	Town Achley to State	1900	10791		2.58	2.171	Asphalt bl'k on sand
4 1	Huron, Ashley to State	11000	12484	31 778 98	2 55	2 16	Asphalt bl'k on sand
5 8	State, Huron to Monroe	1902		2 860 70	1 50	1 20	Driek on good
6 A	Ann, Main to 4th Av	1902	1589	2,860.70	1.00	1.59	Brick on sand
711	Liberty, Ashley to State	1903	9140	24,486.06	2.68	2.19	Apshalt bl'k on sand
811	Fourth Av., Huron to Lib-	1 1		1	1	- 1	
O	erty	1903	2431	6,490.80	2.67	2.19	Asphalt bl'k on sand
0	William		7519	19,092.01	2.54	2 03	Bithulithic
9	William	11005	5045	10,720.16	$\frac{2.01}{2.03}$	1 62	Brick on concrete
10].	N. University	1900				1.00	Brick on concrete
	Alley	1908	350	672.74	1.92	1.50	Brick on concrete
12 1	Maynard	1909	1883	1,930.13	1.03	.78	
13	N. 4th Av., Huron to Ann	1910	1159	1,351.34	1.17	.88	A. A. tar-concrete
	E. Huron and Twelfth		6765	6,685.50	.99	.76	A. A. tar concrete
15	Washington, 5th Av to 12th	1910	8633	8,189.73	.95	.71	
		1011	12092	12,392.81	1.03	.78	A. A. tar-concrete
			2587	2,672 49	1 03	.84	
	State, Packard to Arch						[1] [1] [1] [1] [2] [2] [2] [2] [2] [2] [2] [2] [2] [2
18	S. Main and Packard	1911	20826	23,172.05		.78	A. A. tar-concrete
19	N. Main, Catherine St. N.	1911	10117	11,110.86		.82	
	Hill and Oswego	1913	5682	7,726.41	1.36	.93	A. A. tar-concrete
	Fifth Av	.1911	10483	11678.31	1.12	.84	A. A. tar-concrete
22	Alley	1911	293	314.84	1.07	.84	
		1011	920	1,029.38		.77	
20	Alley	1011	1833	1,747.35			
24	Arch and Thayer	1911				.77	
25	State, Monroe to Packard	1311	3158	3,181.57		.78	
	Mary	1912	2407	2,703.08		.89	
27	Ashley	1912	7711	9 071.92	1.18	.91	A. A. tar-concrete
28	W. Liberty St., Ashley to	•	1			- 1	*
	city limits	1913	15612	20,836.90	1.34	.98	A. A. tar-concrete
20	W. Huron St., Ashley to	1	1				
-0	Forks	1012	14121	19 257 61	1 36	1 01	A. A. tar-concrete
1	Forks Totals	1919	102510	2212 010 42	1.00	1.01	A. a. car-concrete
	Totals	· · · · ·	199910	1012 (1117, 40)	~ 4 4		1
	Note-The pavement between	en 1	the rat	is of the	Street	car	track on Washienaw
Av.	and between the rails and	for	a dista	ance of 18	in. on	ton	either side of the track
00	Packard and Main Sts., is	of t	orick o	n concrete	and	l is	not included in the
	ve statement.						
_							
CITA	IMARY OF STORM SET	WEE	SIN	1911 Pa	·karo	1 et	Hill st. to
BUL							
	THE CITY OF ANN AL	CBU	п.				868.97
D	ate. Sewer.	C	ost.				bridge Rd.
	It prior to 1900			to Os	wego	st	(includes
				work			
	2, State st		67.22				
1903	2, Ann st	5	543.95	1911, N.	Mair	n st.	207.47
	5, N. University av		361.00	1911, Ma	ry st	. and	Benjamin
	William at		111.67				rk done in

THE CITY OF ANN AR	BOR.	Monroe st	868.97
Date. Sewer.	Cost.	1911, Hill st., Cambridge Rd.	
Built prior to 1900\$	26,411.72	to Oswego st. (includes	
1902, State st	1,667.22	work done in 1913)	340.66
1902, Ann st	543.95	1911, N. Main st	207.47
1905, N. University av	361.00	1911, Mary st. and Benjamin	
1905, E. William st	3,014.67	st. (includes work done in	
1906 and 1907, Roosevelt av.		1912)	884.78
and across Judson's land	1,710,41	1911, Church st., Washtenaw	1 201 11
1906, E. Washington st	3,781.82	av. to S. University av	.1,291.44
1909, Hill st. and Washte-		1911. Concrete culvert on	
naw av	653.90		0.400.05
1910, Washington st. east of			3,422.95
State st	536.37	1911. Other storm sewer	
1911, Ann st. and Alley in		work, including the sewer	
B. 1 N., R. 4 E	443.14	on Packard st. at Dewey	1 550 01
1911, Alley in B. 3 S., R. 3	2	av	1,552.01
E	250.92	1912, Church st., S. Univer-	0.776.49
1911, Hill st., Oxford Rd. to	44005	sity av. to Roosevelt av	2,776.43
Cambridge Rd	116.87	1912, Willard st., Church st.,	

		8 1 1 T. C		
		*		
			*	
COMMON	COUNCIL	-JANUARY 19, 1	914.	23
144 ft. W	168.53	point in street t		439.95
1912, Ashley st. in connec-		1913, Liberty st.		
tion with pavement 1912, W. Liberty st., inlet in		st. in connection erty st. pavemen		103.46
alley west of Ashley st.		1913, W. Huron s		103.40
1913, W. Liberty st., Allen's	. 50.15	Allen's Creek, i		
Creek to City Limits		tion with Huror		
1913, W. Huron st., Allen's	(i)	ment		62.75
Creek to Forks	4,420.37			
1913, E. Washington st., low		Total		\$60,406.38
STREET CO	MMISSION	ER'S REPORT.		
Office of Str	act Comm	ssioner, Ann Arbor,	Mich Ton	C 1014
To the Hon. Board of Publ				
Gentlemen—I herewith				
port of the work done by	my depart	ment during the y	ear ending	Decem-
ber 31, 1913, including the	e care of s	treets and sidewall	ts, construc	ction and
repair of culverts, inlets,	etc., sidew	alk extensions and	crosswalk	ks, street
paving, storm water sewer	's (labor a	cct.) and the co	ement, gr	avel and
other materials purchased STREET WORK—	under you	r direction and use	ed during t	ne year:
Cleaning paved streets, lab	or		846.36	
Add city team and driver	9 months	at \$78.5575	707.02	5,553.38
				.,
Cleaning alleys, labor				29.30
Sprinkling paved streets,				2.25
Cleaning leaves from pave		abor		344.71
Taking care of snow, labor Cleaning snow from		iks gutters and		
inlets			434.01	
Plowing snow from s			434.62	
Cleaning snow from			_	
streets			25.01	
Plowing snow from gr	utters		14.50	
Clearing snow, ward p			1.50	
Cleaning snow from p			16.44	
Sanding sidewalks and			4.75	000 00

Sprinkling paved streets, labor	29.30 2.25 344.71
Cleaning snow from crosswalks, gutters and inlets\$ 434.01 Plowing snow from sidewalks	
streets	
Repairs concrete and block street pavements and laying brick at intersections to match with new paving work, labor	
2597 paving blocks at \$20.50 M	3
6 lds sand at \$0.25	
(Includes \$23.50, C. E. Dept. acct. relaying pavement corner campus, N. University and State street.) Tarring concrete pavements, labor—	
City Engr. Dept., abt. 24.000 sq. yds\$ 573.01 Str. Com. Dept., abt. 49,500 sq. yds 646.85	
\$1,219.86 Tar, 11,714.11 gals at \$0.05	
Grading street with scraper, labor	$145.63 \\ 133.52$

24 COMMON COUNCIL—JANUARY 19,	1914.	
several wards, labor\$3	.006.49	
1542 loads gravel	497.80	3,504.23
1465 loads gravel at \$0.25\$472.75		
60 loads gravel at 0.10 6.00 4 loads gravel at 1.25 5.00*		
6 loads gravel at 1.00 6.00*		
7 loads gravel at 1.15 8.05*		
\$497.80		
(*) Includes hauling.		
Cleaning gutters on dirt streets, labor		3,240.54
Cleaning leaves from gutters on dirt streets, labor Deepening gutters west side East University, Monroe		497.60
to Hill street and north side Hill, E. University		
west to stand-pipe, labor		32.58
Cutting weeds in streets and from lawn exten-		0.07.70
sions in the several wards, labor		267.73
streets, labor\$	720.42	
Graveling same, labor	164.67	01001
137 loads gravel at \$0.25	34.25	919.34
Filling Oswego street from Hill to Geddes av., and		
rolling sub-grade, labor		413.41
Total Street Work		\$19,100.67
CULVERTS—		\$13,100.01
Cleaning culverts and Allen's creek, labor\$	14.00	
Cleaning culverts Hill and Division, labor	6.59	*
Cleaning culverts Miner and Hiscock, labor	$\begin{matrix}1.63\\13.63\end{matrix}$	\$ 35.85
Cleaning culverts Madison street, labor	15.05	\$ 35.85
Repairs Culverts—		
Mili road culvert, labor\$	80.43	
66 sacks cement, 16.5 bbl. at \$0.92	15.18	00.00
13 loads gravel at \$0.25	$\begin{array}{c} 3.25 \\ \end{array}$	98.86
Extending wing wall east side culvert Fifth st.		
north and south, labor\$	9.42	
19 sacks cement, 4.75 bbl. at \$1.14	$\begin{array}{c} 5.42 \\ 2.83 \end{array}$	17.67
Posts and railing Seventh street culvert between	0 17	
Miller av. and Huron st., labor\$ 7 sacks cement, 1.75 bbl. at \$1.14	$8.17 \\ 1.99$	
Iron posts	3.50	13.63
matal Calcard Wash		* ***
Total Culvert Work		\$ 166.04
SIDEWALKS—Grading for sidewalks in the several wards, labor		\$ 1,304.23
Repairs sidewalks, labor\$	10.53	ψ 1,001.20
1-2 load gravel at \$1.13	0.57	4
12 1-2 sacks cement, 3.125 bbl. at \$1.14	$\substack{3.56\\1.00}$	15.66
1 load chiders (del.) cor. William and Ashrey	1.00	10.00
Relaying fire engine house sidewalk, labor\$	42.31	
51 sacks cement, 12.75 bbl. at \$1.14	$14.54 \\ 1.50$	
1 load washed gravel	$1.30 \\ 1.13$	59.48
		8
Sidewalks built by city under contract— Property owners Acct.—		
Cement—C. M. Thompson & Son—		
810 E. Huron 57 ft. 8 in by 5 ft., 288.333 sq. ft. at	4	
\$0.10\$	28.83	

COMMON COUNCIL—JANUARY 19,	1914.	25
Tar-C. M. Thompson & Son-		
East side Baldwin bet. Wells and Cambridge road:		
66 ft. front 4 rods at \$5.00	20.00	
50 ft. front 3.0303 rods at \$5.00	15.15	
West side Chapin bet. Huron and Miller ave.—36 ft. 7 in. front, 2.7171 rods at \$5.00	11.00	
West side Cambridge road bet. Hill and Wash-	11.09	
tenaw ave.—		
198 ft. front, 12 rods at \$5.00	60.00	
East side Olivia bet. Minerva and Cambridge rd—		
43.32 ft. front, 2.6254 rods at \$5.00	13.13	
232.8 ft. front, 14.10909 rods at \$5.00	$\begin{array}{c} 13.13 \\ 70.55 \end{array}$	
West side Hill, bet. 4th and 5th ave.—	.0.00	
11 ft. 11 in. front, 0.7222 rods at \$5.00	3.61	
46 ft. 6 in. front, 2.8181 rods at \$5.00	14.09	
66 ft. front, 4 rods at \$5.00	20.00	
South side Madison bet. 5th and 7th St.— 132 ft. front, 8 rods at \$5.00	40.00	
218 ft. 11 1-2 in. front, 13.2702 rods at \$5.00	66.35	
Sidewalks repaired and built for Ann Arbor Rail-	00.00	
road company—		* (
North side Miller ave, 1st to railroad bridge,		
raised, 264 ft. front, 16 rods at \$3.00 South side Miller ave., culvert to railroad	48.00	
bridge, repaired, 109 ft. 6 in. front,		
6.5363 rods at \$1.00	6.64	
New walk: North side Hill bet. 4th and 5th ave-		
60 ft. front, 3.6363 rods at \$5.00	18.18	448.75
Otto Master Company		
City Acct.—Cement— 2 alley frontages, 16 ft. and 46 ft.2 in., Madi-		
son bet. 5th and 7th st	\$ 38.15	
Philip st., south side, 4th ave. east, 327 ft.	, 00.20	
front, (Ordered by council and paid by		
city)	163.50	
Sidewalk raised and relaid on Packard cor- ner Mary street, 22 ft. 11 in. front	111.46	313.11
ner mary street, 22 it. 12 in. front	111.40	313.11
Total Sidewalk Work		\$ 2,141.29
Sidewalk work done during season—		
Total sidewalks laid, tar, 15; cement, 5—20		
For property owners, tar, 15; cement, 1—16 For city Acct., tar, 0; cement, 4—4	20	
For city facts, tar, v, coment, i	20	
CROSSWALKS, SIDEWALK EXTENSIONS, STORM	WATER	GUTTERS.
REPAIRS BRIDGES, ETC.—		GCIIIII,
Building crosswalks, sidewalk extensions, storm		
street intersections in the several wards, including 9		
extensions, 2 crosswalks relaid, 3 storm water gutteraised and rebuilt (west side 1st st. north of Liberty		
repaired and 8 extensions repaired:	street),	Crosswarks
Labor		\$ 963.18
18 loads gravel at \$0.25		4.50
2 loads gravel at 1.10		*2.80
4 loads gravel at 1.15		* 4.60 * 5.75
3 loads gravel at 0.85		*2.55
4 1-5 cars gravel (Chilson)		97.97
(Total gravel acct., \$118.17)		
(*) Includes hauling.		
12 loads filling at \$0.25		$\frac{3.00}{9.23}$
885.5 sacks cement, 221.375 bbls at \$1.14		252.37
Crossing irons and grate, Seybold & Esslinger		20.75
Water Co., bill		13.02

26	COMMON	COUNCI	L—JANUARY 19	, 1914.		•
3203 brick at	\$20.50 M. (C	old brick	from crosswalk balance of work)			0.25 65.66
Sidewalk exten Jno. Coope	sion laid by c	ontract, 4th av. &	Ann	\$ 1 4.5 2	\$	1,445.63
Washi	ngton		cor. Vinewood	13.61		
and W	Vashtenaw		tenaw and Fair-	12.07		
				7.94		48.14
Cleaning cross Unloading cars	walks, labor	vel, brick,	1 bridge) etc., handling s, labor—			$\begin{smallmatrix}0.51\\104.98\end{smallmatrix}$
Unloading Unloading Foreman o	gravel, brick cars cement city yard and	k, etc and hand handling	lingempty cement	3 171.40 396.21 273.78		
Hauling til	le and unload	ding asph	alt (City Engr.	13.64		855.03
Building brick	platform at	standpipe	for sprinkling,			
brick used Cleaning bridge Filling around street and	es, labor house N. E. building cem	corner Li	berty and First at basement			11.42 28.18
windows, la 5 sacks, 1.2 1-2 load gr	abor 25 bbl. cemen ravel at \$0.25	t at \$1 .14		21.31 1.43 0.13 1.05		23.92
INLETS, S Repairs and cle laying tile 16.5 sacks ceme 1-2 load gravel Tile Koch, 4-5, Rohde, 6-3 Rohde, 6-4 Rohde, 10- Rohde, 10-	TORM WAT eaning inlets. in gutters, eent, 4.125 bbl at \$1.13	ER SEW spills an etc., labor at \$1.14 at \$1.21 at \$0.59 m. S.; 1 p in. at \$0.	6.49 c 10 in. L. 2.49 54 8.10 c 8 in. C. 12.60	348.63 4.70 0.57 39.05	\$ 2	392.95
Cleaning inlets,	labor		\$39.05			27.24
Storm water and W Flushing sa Setting inleading	ot. Acct.— er sewers E. '. Huron, labe anitary sewers ets, repairs s drain tile, la	Washing or acct s, labor torm wat ying tile	ton, W. Liberty\$ er sewers,	4,521.68 42.18 882.14	ŏ	.446.00
Total Inlet	s, Etc	DED. **		* :	\$5	,866.19
Repairs and buting street abor	sweeper broom	plaws, rem	pairs and mak- epairs wagons,		\$	161.01

COMMON COUNCIL—JANUARY 19, 1914.	27
\$96.23; repairs and painting wagons and carts,	
\$52.02.) Repairs cement mixers, steam road roller, city tar	20.42
tank, etc., labor	83.66
terials, etc., labor	114.47
Miscellaneous work and repairs at different points in city, labor-	
Various small jobs\$ 25.21	
Digging graves	
Work at Argo dam (search for drowned students)	
Unloading coal for Poormaster	· · · · · · · · · · · · · · · · · · ·
department)	
Removing ashes from basement city hall 14.87 Cleaning up broken trees after storm\$18.65	
Less charged to Park department 15.26 3.39	223.55
Total General Work	\$ 582.69
Paving to the amount of 33,462.72 square yards has been direction of your Honorable Board during the past season as Paving Dist. No. 20, Hill and Oswego\$ 2,762.63	
Paving Dist. No. 28, West Liberty	\$44,651.60
Paving Yardage—	
District No. 28	quare yards quare yards quare yards
District No. 28	quare yards
District No. 28	quare yards quare yards quare yards
District No. 28	quare yards quare yards quare yards \$1,271.40
District No. 28	quare yards quare yards quare yards $\frac{\$1,271.40}{\$1,271.40}$
District No. 28	quare yards quare yards quare yards quare yards $\frac{\$1,271.40}{\$1,271.40}$. \\$19,100.67 \\ 166.04
District No. 28	quare yards quare yards quare yards $\frac{\$1,271.40}{\$1,271.40}$ $. \ \$19,100.67$ 166.04 $2,141.29$ $2,5^{\circ}$ $. \ \$1$
District No. 28	quare yards quare yards quare yards $\frac{\$1,271.40}{\$1,271.40}$ $. \$19,100.67$ 166.04 $2,141.29$ $2,5^{\circ}.81$ $5,866.19$ 582.69
District No. 28	quare yards quare yards quare yards \$1,271.40 \$1,271.40 . \$19,100.67 166.04 . 2,141.29 . 2,5 81. . 5,866.19 . 582.69 . 44,651.60
District No. 28 District No. 29 District No. 29 Total Total SUPPLIES, REPAIRS, ETC.— Supplies, repairs, etc., except as included in foregoing statement Total Supplies, Etc. RECAPITULIATION. Street work Culverts Sidewalks Crosswalks, extensions, bridges, etc. Inlets, storm water sewers, etc. General work Paving Supplie Total	quare yards quare yards quare yards \$1,271.40 \$1,271.40 . \$19,100.67 166.04 . 2,141.29 . 2,5 81. . 5,866.19 . 582.69 . 44,651.60 . 1,271.40 . \$76,297.69
District No. 28 District No. 29 District No. 23462.72 Supplies District No. 29 District No. 24462.72 Supplies District No. 29 District No. 24462.72 Supplies D	quare yards quare yards quare yards quare yards \$1,271.40 \$1,271.40 \$1,271.40 \$19,100.67 166.04 2,141.29 2,5 81. 5,866.19 582.69 44,651.60 1,271.40 \$76,297.69
District No. 28 District No. 29 District No. 23462.72 Street RECAPITULATION RECAPITULATION RECAPITULATION RECAPITULATION Street work Culverts Sidwalks Crosswalks, extensions, bridges, etc. District No. 20 District No. 23462.72 Street RECAPITULATION RECAPITULATION Street work Culverts Sidwalks Crosswalks, extensions, bridges, etc. District No. 24 District N	quare yards quare yards quare yards quare yards $\frac{\$1,271.40}{\$1,271.40}$ $\$19,100.67$ 166.04 $2,141.29$ $2,5^{-}.81$ $5,866.19$ 582.69 $44,651.60$ $1,271.40$ $\$76,297.69$ $$
District No. 28 District No. 29 District No. 29 Total SUPPLIES, REPAIRS, ETC.— Supplies, repairs, etc., except as included in foregoing statement Total Supplies, Etc. RECAPITULIATION. Street work Culverts Sidewalks Crosswalks, extensions, bridges, etc. Inlets, storm water sewers, etc., General work Paving Supplie. Total No. of culverts repaired No. of crosswalks built No. of crosswalks built No. of sidewalk extensions built (City) No. of sidewalk extension built (by contract) No. of sidewalks city property (by city)	quare yards quare yards quare yards quare yards $\frac{\$1,271.40}{\$1,271.40}$ $\$19,100.67$ 166.04 $2,141.29$ $2,5^{-}.81$ $5,866.19$ 582.69 $44,651.60$ $1,271.40$ $\$76,297.69$ $$
District No. 28 District No. 29 District No. 33462.72 Street Supplies, REPAIRS, ETC.— Supplies, repairs, etc., except as included in foregoing statement RECAPITULIATION. Street work Culverts Sidewalks, extensions, bridges, etc. Inlets, storm water sewers, etc. General work Paving Supplies Total No. of culverts repaired No. of crosswalks built No. of crosswalks built No. of crosswalks built No. of sidewalk extensions built (City) No. of sidewalk extensions built (by contract)	quare yards quare yards quare yards \$1,271.40 \$1,271.40 \$19,100.67

28 COMMON COUNCIL—JANUARI 15, 1914.	
No. of crosswalks repaired. No. of extensions repair d. No. of sq. yds. street pavement laid	8 462.72 20 19 24 7 3
Total number of notices served	61
ACCIDENT INSURANCE. For several seasons previous to 1913 you. board had carried accinsurance on the men engaged in paving work. By the passage of Ac 10, of Public Acts, Extra Sessions, 1912, known as the workmen's consation law, all employes of the city came automatically und its passage and the board decided to take out accident insurance for all vene, including street and sewer men.	cident et. No. npen- provi-
There were 9 accidents reported during the past season, of wh	
were slight and 4 serious, one of the latter resulting in death, as followed, allowed and payment made:	llows:
Street cleaning	3
Paving (grading)	
The payments made were as follows, the amount 1 no determined by the act and the city reimbursed by the accident insurance company when the payments were made by it Wages of men, 21 weeks, 2 days	
*Doctor's bills, including hospital and X-ray, (partly estimated)	
	016.11
(*) Doctor's bills were frequently sent direct to insurance co. and	d sot
tled by them, without passing through this office.	u set-
GRAVEL ACCOUNT. Streets:	ADS.
Graveling and patching in the several vards 1,525	ADS.
Graveling and patching (including hauling)	1,542
Crosswalk and extension work	143.5
Payement repairs	52
Culverts	15.5 1
W. Huron paving and sewer repairs 2	
W. Huron paving and sewer (including hauling) 10	12
Tarring old pavements4	179
	245
Paving work: Dist. No. 20	
D st. No. 29	6,189
Total number of loads	8,434

COST OF GRAVEL. Cost of gravel (not including paving work) 1542 loads of streets		
703 loads extensions, paving repairs, culverts, si ewalk repairs, inlets, tarring old pavements, etc.,	S,	\$1,099.26
CEMENT ACCOUNT. Following is a detailed statement of the cement bo the Board and the purposes for which it was used: On hand Jan. 1, 1913		r order of BBLS. 25
April May June July August September		
Bought locally	12,645 16	
Deduct short and injured by water	12,661 8.25	12,652.75
		12,677.75
Us.d as follows: BBLS. Paving— BBLS. No. 20, Hill and Oswego	BBLS.	
No. 29, W. Huron 5,089.75	11,187.25	
Curbing— No. 29, Richmond 262.5 No. 28, Thompson 126.25 No. 28, Richmond 162. No. 30, (Church) Richmond 221.5 No. 31, (Hill) Richmond 22.5 No. 20, Thompson 39.25	834	
SACKS. Storm sewers, etc., (City Engr. Dept.)		
2,528 sks On hand Jan. 1, 1914	632 24.5	
Respectfully submitted,		12,677.75
J. WISNER Street	Commissi	ioner.
INVENTORY—STREET DEPARTMEN	Control of the contro	• 10.00
2 pumps		$\begin{array}{c} \cdot & 20.00 \\ \cdot & 350.00 \\ \cdot & 1.00 \end{array}$
2 road scrapers 18 snow plows 1 steel snow plow 1 team horses		$\begin{array}{c} . & 100.00 \\ . & 270.00 \\ . & 25.00 \end{array}$
1 double harness, \$20.00; blankets, \$4.00		. 24.00

30	COMIMON	COCHOIL	0111101111	110, 10.	LT.	
1 50-gal. gasoline	e can					4.00
1 60-gal, oil can						4.00
5-gal, and 2	gal. oil and	gasoline ca	ans	 .		1.00
5 1-gal oil car.s						1.00
Tools for filling	brooms for	sweepers.				9.00
4 pails						1.00
1 sidewalk build						8.00
1 large tar tank	on wheels	• • • • • • • •	• • • • • • •	• • • • • • • • •	• • • • • •	45.00
1 sand wagon .					• • • • • • •	25.00
1 small tar tank	cn necs	D		• • • • • • • • • • • • • • • • • • • •	• • • • • • •	225.00
1 tar tank and e						
1 stone fork 2 paving hamme						$\begin{smallmatrix} .60\\1.00\end{smallmatrix}$
150 feet hose						$1.00 \\ 12.00$
1 street drag						20.00
12 wood horses	for blocking	streets				$\begin{array}{c} 20.00 \\ 12.00 \end{array}$
1 lot sewer jack						25.00
1 rooter						8.00
6 bdls. bamboo						13.50
7 street brushes						6.65
5 steel trowels.						2.50
7 wood trowels						2.00
1 stencil for ma	rking cement	t, and lett.				6.00
1 lot empty barr	rels					20.00
2 la lders						2.00
11 street sweepe						110.00
3 canvass for c						$\boldsymbol{11.25}$
20 lbs. bolts						1.00
Paint b ishes a	nd paint	• • • • • • • •				
1 spindle for str						3.00
1 large plow						14.00
2 sand screens						4.00
1 cross cut saw, 1 sprinkling was	1 one-man sa	aw				$\begin{smallmatrix}2.50\\150.00\end{smallmatrix}$
1 sprinkling was 3 carts						90.00
2 dump wagons						200.00
1 bolt cutter						1.00
2 bits and brac						3.00
17 red lanterns						11.05
3 levels (1 iron;						1.50
Bag carrier						2.50
12 steel wheelba	rrows					48.00
17 grub hoes						8.50
4 scythes and h						4.00
10 handles for se						2.50
1 sidewalk rolle						5.00
1 ron vice and						3.00
1 set platform						150.00
1 lot sewer rods						75.00
1 tool box on w						$\begin{smallmatrix}20.00\\25.00\end{smallmatrix}$
1 batch cement 2 slip scrappers						$\frac{25.00}{10.00}$
7 mauls						3.50
5 old pails						.50
1 two-wheeled s						25.00
1 mixing board						3.00
2 hand saws						2.00
3 tool boxes						9.00
1 mortar box						1.50
5 scoop shovels						2.50
5 cement shovel	s					3.75
4 tamps (iron)						3.50
9 iron crow bar	s			• • • • • • •		4.50
5 hammers, \$2.5	ou; two wren	cnes, 75c.		,		3.25
3 hatchets, \$2.2						3.25
23 shovels						13.80

COMMON COUNCIL—JANUARY 19, 1914.	31
27 picks and handles 2 Foote continuous cement mixers. 1 grindstone, \$2.00; 4 closets, \$16.00 9 street shovels 1 lot rope, \$4.00; tar can; \$7.50 1 lot 3-4-in. and 1-in. gal. iron pipe and fittings 3 garbage wagons 2 Knowell's street scrapers 3 steel ice cleaners, \$1.50; 3 Berry str. brushes, 50 1 tar kettle 1 lot wire fence 5 bbl. t. r or pitch 1 20th century grader 2 injectors for steam mixers. 1 tar wagon, distributor attachment 3 large lose nozzles 6 lanterns frames 3 rakes 4 iron rods for red lights. 2 cold chisels, \$1.00; 2 small crowbars, 75c 4 pliers 2 long handled shovels 2 post hole diggers 1 pitchfork, 50c; 2 bent forks, \$1.00 1 lot casting for steam mixers. Total Correct.	$\begin{array}{c} 1,200.00\\ 18.00\\ 18.00\\ 4.50\\ 11.50\\ 50.00\\ \hline\\ 5.00\\ 10.00\\ 5.00\\ 10.00\\ 5.00\\ 135.00\\ 10.00\\ 200.00\\ 5.00\\ 10.00\\ 200.00\\ 1.75\\ 3.00\\ 1.75\\ 3.00\\ 1.00\\ 1.50\\ 1.50\\ \hline\\ \end{array}$
J. WISNER,	
Street Commiss	sioner.
Street Commiss INVENTORY, BUILDING MATERIAL—STREET DEPARTM 24.5 bbl. cement	IENT.
Street Commiss INVENTORY, BUILDING MATERIAL—STREET DEPARTM 24.5 bbl. cement	IENT. \$ 27.93 40.00
Street Commiss INVENTORY, BUILDING MATERIAL—STREET DEPARTM 24.5 bbl. cement	IENT\$ 27.93 40.00 7.50 17.00
Street Commiss INVENTORY, BUILDING MATERIAL—STREET DEPARTM 24.5 bbl. cement 6,000 ft. old bridge timbers 15 turned posts 50 12 ft. wing bars for culverts 1 1-2 kegs nails and spikes	MENT\$ 27.93 40.00 7.50 17.00 4.00
Street Commiss INVENTORY, BUILDING MATERIAL—STREET DEPARTM 24.5 bbl. cement 6,000 ft. old bridge timbers 15 turned posts 50 12 ft. wing bars for culverts 1 1-2 kegs nails and spikes 400 ft. 4-in. by 4-in. pinc lumber	1ENT. \$ 27.93 \$ 40.00 \$ 7.50 \$ 4.00 \$ 6.00
Street Commiss INVENTORY, BUILDING MATERIAL—STREET DEPARTM 24.5 bbl. cement 6,000 ft. old bridge timbers 15 turned posts 10 12 ft. wing bars for culverts 10 1-2 kegs nails and spikes 10 ft. 4-in. by 4-in. pinc lumber	1ENT. \$ 27.93 \$ 40.00 \$ 7.50 \$ 4.00 \$ 6.00
Street Commiss INVENTORY, BUILDING MATERIAL—STREET DEPARTM 24.5 bbl. cement 6,000 ft. old bridge timbers 15 turned posts 50 12 ft. wing bars for culverts 1 1-2 kegs nails and spikes 400 ft. 4-in. by 4-in. pinc lumber 35 old iron crosswalk grates 1 lot old sewer pipe, 30-in, 20-in, 23-in, 18-in, and 15-in.	IENT. \$ 27.93 \$ 40.00 \$ 7.50 \$ 17.00 \$ 6.00 \$ 70.00 \$ 50.00
Street Commiss INVENTORY, BUILDING MATERIAL—STREET DEPARTM 24.5 bbl. cement 6,000 ft. old bridge timbers 15 turned posts 50 12 ft. wing bars for culverts 1 1-2 kegs nails and spikes 400 ft. 4-in. by 4-in. pinc lumber 35 old iron crosswalk grates 1 lot old sewer pipe, 30-in, 20-in, 23-in. 18-in. and 15-in. 1 lot new 12-in, 15-in, 18-in, etc., tile (abt.) 1 lot 4-in, 6-in, etc., tile.	MENT. \$ 27.93 \$ 40.00 \$ 7.50 \$ 17.00 \$ 6.00 \$ 70.00 \$ 65.00 \$ 20.00
Street Commiss INVENTORY, BUILDING MATERIAL—STREET DEPARTM 24.5 bbl. cement 6,000 ft. old bridge timbers 15 turned posts 50 12 ft. wing bars for culverts 1 1-2 kegs nails and spikes 400 ft. 4-in. by 4-in. pinc lumber 35 old iron crosswalk grates 1 lot old sewer pipe, 30-in, 20-in, 23-in. 18-in. and 15-in. 1 lot new 12-in, 15-in, 18-in, etc., tile (abt.) 1 lot 4-in, 6-in, etc., tile. 300 wood paving blocks	MENT. \$ 27.93 \$ 40.00 \$ 7.50 \$ 17.00 \$ 6.00 \$ 70.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00
Street Commiss INVENTORY, BUILDING MATERIAL—STREET DEPARTM 24.5 bbl. cement 6,000 ft. old bridge timbers 15 turned posts 50 12 ft. wing bars for culverts 1 1-2 kegs nails and spikes 400 ft. 4-in. by 4-in. pinc lumber 35 old iron crosswalk grates 1 lot old sewer pipe, 30-in, 20-in, 23-in. 18-in. and 15-in. 1 lot new 12-in, 15-in, 18-in, etc., tile (abt.) 1 lot 4-in, 6-in, etc., tile. 300 wood paving blocks One-half ton old bridge iron	MENT. \$ 27.93 \$ 40.00 \$ 7.50 \$ 17.00 \$ 6.00 \$ 70.00 \$ 50.00 \$ 20.00 \$ 3.00 \$ 4.00
Street Commiss INVENTORY, BUILDING MATERIAL—STREET DEPARTM 24.5 bbl. cement 6,000 ft. old bridge timbers 15 turned posts 50 12 ft. wing bars for culverts 1 1-2 kegs nails and spikes 400 ft. 4-in. by 4-in. pinc lumber 35 old iron crosswalk grates 1 lot old sewer pipe, 30-in, 20-in, 23-in. 18-in. and 15-in. 1 lot new 12-in, 15-in, 18-in, etc., tile (abt.) 1 lot 4-in, 6-in, etc., tile. 300 wood paving blocks One-half ton old bridge iron 3 pc. 8-in, iron pipe.	IENT. \$ 27.93 \$ 40.00 \$ 7.50 \$ 17.00 \$ 6.00 \$ 70.00 \$ 50.00 \$ 20.00 \$ 100 \$ 100
INVENTORY, BUILDING MATERIAL—STREET DEPARTM 24.5 bbl. cement 6,000 ft. old bridge timbers 15 turned posts 50 12 ft. wing bars for culverts 1 1-2 kegs nails and spikes 400 ft. 4-in. by 4-in. pine lumber 35 old iron crosswalk grates 1 lot old sewer pipe, 30-in, 20-in, 23-in. 18-in. and 15-in. 1 lot new 12-in, 15-in, 18-in, etc., tile (abt.) 1 lot 4-in, 6-in, etc., tile. 300 wood paving blocks One-half ton old bridge iron 3 pc. 8-in, iron pipe. 14 old manhole frames	MENT. \$ 27.93 \$ 40.00 \$ 7.50 \$ 17.00 \$ 6.00 \$ 70.00 \$ 50.00 \$ 6.00 \$ 10.00 \$ 10.00 \$ 10.00 \$ 70.00
Street Commiss INVENTORY, BUILDING MATERIAL—STREET DEPARTM 24.5 bbl. cement 6,000 ft. old bridge timbers 15 turned posts 50 12 ft. wing bars for culverts 1 1-2 kegs nails and spikes 400 ft. 4-in. by 4-in. pinc lumber 35 old iron crosswalk grates 1 lot old sewer pipe, 30-in, 20-in, 23-in. 18-in. and 15-in. 1 lot new 12-in, 15-in, 18-in, etc., tile (abt.) 1 lot 4-in, 6-in, etc., tile 300 wood paving blocks One-half ton old bridge iron 3 pc. 8-in, iron pipe 14 old manhole frames 1 inlet frame and grate	MENT. \$ 27.93 \$ 40.00 \$ 7.50 \$ 17.00 \$ 6.00 \$ 70.00 \$ 50.00 \$ 20.00 \$ 5.00 \$ 10.00 \$ 70.00 \$ 4.00 \$ 10.00 \$ 4.50
Street Commiss INVENTORY, BUILDING MATERIAL—STREET DEPARTM 24.5 bbl. cement 6,000 ft. old bridge timbers 15 turned posts 50 12 ft. wing bars for culverts 1 1-2 kegs nails and spikes 400 ft. 4-in. by 4-in. pine lumber 35 old iron crosswalk grates 1 lot old sewer pipe, 30-in, 20-in, 23-in. 18-in. and 15-in. 1 lot new 12-in, 15-in, 18-in, etc., tile (abt.) 1 lot 4-in, 6-in, etc., tile 300 wood paving blocks One-half ton old bridge iron 3 pc. 8-in, iron pipe 14 old manhole frames 1 inlet frame and grate 1 lot cobble and fence ston 2,500 ft. oak plank	HENT. \$ 27.93 \$ 40.00 \$ 7.50 \$ 17.00 \$ 6.00 \$ 70.00 \$ 50.00 \$ 50.00 \$ 10.00 \$ 70.00 \$ 10.00 \$ 65.00
Street Commiss INVENTORY, BUILDING MATERIAL—STREET DEPARTM 24.5 bbl. cement 6,000 ft. old bridge timbers. 15 turned posts 50 12 ft. wing bars for culverts. 1 1-2 kegs nails and spikes. 400 ft. 4-in. by 4-in. pinc lumber. 35 old iron crosswalk grates 1 lot old sewer pipe, 30-in, 20-in, 23-in. 18-in. and 15-in. 1 lot new 12-in, 15-in, 18-in, etc., tile (abt.) 1 lot 4-in, 6-in, etc., tile. 300 wood paving blocks One-half tom old bridge iron 3 pc. 8-in, iron pipe. 14 old manhole frames 1 inlet frame and grate 1 lot cobble and fence ston 2,500 ft. oak plank 800 brick	HENT. \$ 27.93 \$ 40.00 \$ 7.50 \$ 17.00 \$ 6.00 \$ 70.00 \$ 50.00 \$ 50.00 \$ 10.00 \$ 70.00 \$ 10.00 \$ 10.00 \$ 65.00 \$ 10.00 <
Street Commiss INVENTORY, BUILDING MATERIAL—STREET DEPARTM 24.5 bbl. cement 6,000 ft. old bridge timbers 15 turned posts 50 12 ft. wing bars for culverts 1 1-2 kegs nails and spikes 400 ft. 4-in. by 4-in. pinc lumber 35 old iron crosswalk grates 1 lot old sewer pipe, 30-in, 20-in, 23-in. 18-in. and 15-in. 1 lot new 12-in, 15-in, 18-in, etc., tile (abt.) 1 lot 4-in, 6-in, etc., tile. 300 wood paving blocks One-half ton old bridge iron 3 pc. 8-in, iron pipe. 14 old manhole frames 1 inlet frame and grate. 1 lot cobble and fence ston 2,500 ft. oak plank	HENT. \$ 27.93 \$ 40.00 \$ 7.50 \$ 17.00 \$ 6.00 \$ 70.00 \$ 50.00 \$ 50.00 \$ 10.00 \$ 70.00 \$ 10.00 \$ 10.00 \$ 65.00 \$ 10.00 <
Street Commiss INVENTORY, BUILDING MATERIAL—STREET DEPARTM 24.5 bbl. cement 6,000 ft. old bridge timbers 15 turned posts 50 12 ft. wing bars for culverts 1 1-2 kegs nails and spikes 400 ft. 4-in. by 4-in. pinc lumber 35 old iron crosswalk grates 1 lot old sewer pipe, 30-in, 20-in, 23-in. 18-in. and 15-in. 1 lot new 12-in, 15-in, 18-in, etc., tile (abt.) 1 lot 4-in, 6-in, etc., tile. 300 wood paving blocks One-half ton old bridge iron 3 pc. 8-in, iron pipe 14 old manhole frames 1 inlet frame and grate 1 lot cobble and fence ston 2,500 ft. oak plank 800 brick 1,000 ft. 10-in, pine plank.	MENT. \$ 27.93 \$ 40.00 \$ 17.00 \$ 6.00 \$ 70.00 \$ 50.00 \$ 20.00 \$ 5.00 \$ 10.00 \$ 65.00 \$ 10.00 \$ 10.00 \$ 20.00 \$ 20.00
INVENTORY, BUILDING MATERIAL—STREET DEPARTM 24.5 bbl. cement 6,000 ft. old bridge timbers 15 turned posts 50 12 ft. wing bars for culverts 1 1-2 kegs nails and spikes 400 ft. 4-in. by 4-in. pinc lumber 35 old iron crosswalk grates 1 lot old sewer pipe, 30-in, 20-in, 23-in. 18-in. and 15-in. 1 lot new 12-in, 15-in, 18-in, etc., tile (abt.) 1 lot 4-in, 6-in, etc., tile. 300 wood paving blocks One-half ton old bridge iron 3 pc. 8-in, iron pipe. 14 old manhole frames 1 inlet frame and grate 1 lot cobble and fence ston 2,500 ft. oak plank 800 brick 1,000 ft. 10-in, pine plank Total	MENT. \$ 27.93 \$ 40.00 \$ 17.00 \$ 6.00 \$ 70.00 \$ 50.00 \$ 20.00 \$ 5.00 \$ 10.00 \$ 65.00 \$ 10.00 \$ 10.00 \$ 20.00 \$ 20.00
Street Commiss INVENTORY, BUILDING MATERIAL—STREET DEPARTM 24.5 bbl. cement 6,000 ft. old bridge timbers 15 turned posts 50 12 ft. wing bars for culverts 11-2 kegs nails and spikes 400 ft. 4-in. by 4-in. pinc lumber 35 old iron crosswalk grates 1 lot old sewer pipe, 30-in, 20-in, 23-in. 18-in. and 15-in. 1 lot new 12-in, 15-in, 18-in, etc., tile (abt.) 1 lot 4-in, 6-in, etc., tile 300 wood paving blocks One-half ton old bridge iron 3 pc. 8-in, iron pipe 14 old manhole frames 1 inlet frame and grate 1 lot cobble and fence ston 2,500 ft. oak plank 800 brick 1,000 ft. 10-in, pine plank Total Correct,	MENT. \$ 27.93 \$ 40.00 \$ 17.00 \$ 6.00 \$ 70.00 \$ 50.00 \$ 20.00 \$ 5.00 \$ 10.00 \$ 65.00 \$ 10.00 \$ 10.00 \$ 20.00 \$ 20.00
INVENTORY, BUILDING MATERIAL—STREET DEPARTM 24.5 bbl. cement 6,000 ft. old bridge timbers 15 turned posts 50 12 ft. wing bars for culverts 1 1-2 kegs nails and spikes 400 ft. 4-in. by 4-in. pinc lumber 35 old iron crosswalk grates 1 lot old sewer pipe, 30-in, 20-in, 23-in. 18-in. and 15-in. 1 lot new 12-in, 15-in, 18-in, etc., tile (abt.) 1 lot 4-in, 6-in, etc., tile. 300 wood paving blocks One-half ton old bridge iron 3 pc. 8-in, iron pipe. 14 old manhole frames 1 inlet frame and grate 1 lot cobble and fence ston 2,500 ft. oak plank 800 brick 1,000 ft. 10-in, pine plank Total	MENT. \$ 27.93 \$ 40.00 \$ 17.00 \$ 6.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 10.00 \$ 10.00 \$ 10.00 \$ 511.73

Justice Thomas' quarterly reports ending October 4th, 1913, and January 4th, 1914, received and ordered on file. Street Commissioner's report for month of December, 1913; Treasurer's report for month of December, 1913; and Board of Public Works annual report received, ordered printed and filed. City At-

torney presented report on abstracts of title to water works property and also on outside stairway for Goodspeed building which were ordered on file.

By Ald. Sherk:

Resolved, that the City Attorney prepare an amendment to the city charter to be submitted to the electors at our next charter election,

providing for a municipal court.

Adopted as follows: Yeas, Ald.
Schultz, Fiegel, Hanselmann, A.
Lutz, Prochnow, Koernke, Pipp,
Sherk, Hubbard, Rash, Groves, G.
Lutz, Pres. Schmid, 13. Nays, none.
By Ald. Schultz:

Resolved, that George J. Mann be and he is hereby appointed to the office of water commissioner to fill vacancy caused by the resignation of Joseph Wellman

Adopted as follows: Yeas, Ald. Schultz, Fiegel, Hanselmann, A. Lutz, Prochnow, Koernke, Pipp, Sherk, Hubbard, Rash, Groves, G. Lutz, Pres. Schmid, 13. Nays, none. The Council adjourned.

ROSS GRANGER, Clerk.