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The permits issued in each month were as follows :

January .....	25	July.....	347
February .....	8	August .....	288
March.....	155	September .....	281
April .....	336	October .....	270
May.....	365	November.....	290
June.....	357	December .....	36

The number in each ward :

First .....	48	Eighteenth.....	23
Second .....	38	Nineteenth.....	189
Third.....	25	Twentieth.....	169
Fourth .....	27	Twenty-first.....	84
Fifth.....	41	Twenty-second.....	145
Sixth .....	66	Twenty-third .....	25
Seventh.....	61	Twenty-fourth .....	284
Eighth.....	81	Twenty-fifth .....	96
Ninth .....	60	Twenty-sixth.....	100
Tenth .....	82	Twenty-seventh .....	53
Eleventh.....	21	Twenty-eighth .....	324
Twelfth .....	39	Twenty-ninth .....	218
Thirteenth.....	56	Thirtieth .....	20
Fourteenth .....	76	Thirty-first .....	43
Fifteenth .....	171	Thirty-second.....	9
Sixteenth.....	47	Thirty-third.....	5
Seventeenth.....	32		

The character of the drainage was :

Water closets.....	3,670	Slaughter-houses .....	16
Surface.....	1,015	Ice-houses.....	5
Sinks.....	422	Markets .....	4
Cellars.....	310	Breweries .....	7
Stables.....	32	For future use.....	220
Factories.....	28	Miscellaneous.....	25

The receipts of the bureau from all sources during the year were as follows :

January .....	\$434 82	July.....	\$2,690 08
February .....	950 79	August .....	2,472 90
March .....	2,167 96	September.....	2,384 88
April.....	2,633 33	October .....	1,213 52
May.....	3,316 82	November.....	2,788 58
June.....	3,116 00	December.....	1,066 76

## RECAPITULATION.

For sewer permits .....	\$17,058 00
For searches in Registry Bureau.....	2,617 00
For sewer bills and balances .....	5,384 24
For copies of plans, certificates, etc., etc.....	1,177 21
<b>Total .....</b>	<b>\$26,236 45</b>

*Total Length of Sewers built during the year 1888.*

DESCRIPTION.	FEET.	MILES.
Main sewers.....	11,563.28	2.199
Intercepting sewer and connections.....	2,147.00	407
Branch sewers.....	149,765.83	28.365
Branch sewers (at private cost).....	10,124.00	1.917
<b>Total.....</b>	<b>173,600.11</b>	<b>32.879</b>

*Main Sewer Statement for the Year 1888.*

Location.	Diameter in feet.	Length in feet.	Price per foot.	PAYMENTS.		Total cost.	Inspectors.	Contractors.
				In assess- ment bills.	In warrants.			
Aramingo street, south of Ann street, Twen- ty-fifth Ward.....	6' x 12' 4"	465	\$9 97	\$1,194 98	\$8,541 07	\$4,736 05	H. M. Smith.....	D. A. Kennedy.
Aramingo street, between Ontario and Tioga streets.....	1' 3' x 2'	847	.....	.....	2,040 00	2,040 00	C. P. McCally.....	George S. Corson.
Bridge street, between Melrose street and Frankford creek, Twenty-third Ward... ..	4' 6"	798.88	12 00	.....	8,500 00	8,500 00	H. M. Smith.....	W. H. H. Achuff.
Bridge street, between Melrose and Trenton { avenue, Twenty-third Ward.....	4' 6" 4	525.17 688	10 50 9 50	2,189 20	9,861 05	12,050 25	C. R. Vanborn.....	W. H. H. Achuff.
Bainbridge street, between Schuylkill avenue and Schuylkill river, East Side Railroad....	3' 6"	453	10 55	.....	4,821 45	4,824 45	F. J. Watt.....	H. C. Fyre.
Clearfield street, between Ninth street and { Connecting Railroad.....	8' 6" 8' 2"	56 558	17 75	.....	8,624 00	.....	C. R. Vanborn.....	W. H. H. Achuff.
Clearfield street, from Fifteenth to Seven- teenth streets.....	7	574	20 00	.....	10,534 00	.....	John Able, Jr.....	R.A. Malone & Co.
Centre and Eagle streets, Twenty-second { Ward.....	4 3	256 106	13 75 12 75	.....	4,871 50	4,871 50	S. H. Colborn.....	C. J. Kennedy.
Fifty-second street, between Monroe street and Lancaster ave., Twenty-fourth Ward...	7 1/2	1,541.00	\$16 70	.....	\$17,564 00	.....	H. M. Smith.....	H. F. Sullivan.
Jasper and Clearfield streets, between Allo- gheny and Kensington avenues, Twenty- fifth Ward.....	4' 9" 4	798.88 470.52	8 35 8 35	82,759 52	7,844 79	\$10,595 31	H. M. Smith.....	H. F. Sullivan.

*Main Sewer Statement for the Year 1888.*

Location.	Diameter in feet.	Length in feet.	Price per foot.	PAYMENTS.		Total cost.	Inspectors.	Contractors.
				In assess- ment bills,	In warrants.			
Lombard street, from Eighth street westward.	4' 6" x 6' 0"	571.00	18 00	.....	8,222 40	.....	E. H. Seckel.....	James Deehan.
Meadow street, between Chestnut and Market streets (Mill creek), Twenty-fourth Ward.....	20 x 20	290.00	59 75	882 00	18,852 18	24,437 75	H. M. Smith.....	Peter P. Deehan.
Powelson avenue, between Twenty-fourth street and Schuylkill river.....	8	527.00	75 00 50 00	.....	19,812 00	.....	Salathiel Cox.....	R. A. Malone & Co.
Reed street, between Schuylkill river and the Baltimore and Ohio Railroad.....	4' 6" 4' 0 x 4' 0"	694.05 21.00	18 00	.....	9,587 70	9,587 70	F. J. Watt.....	T. P. Smart
Snyder avenue, between Commercial avenue and Delaware river.....	8	459.00	43 00	.....	6,461 00	.....	Abm. Ruth.....	John S. Dutton.
Westmoreland and Jasper streets, One (1) Chamber, \$1,680, Twenty-fifth Ward.....	8' 6" 7' 0" 4' 9" 3' 0"	582.74 194.40 908.57 63.67	16 50 15 80 8 80 7 80	8,777 60	18,643 18	22,420 78	H. M. Smith.....	W. H. H. Achuff.
Total.....	.....	11,563 28	.....	\$10,794 80	\$157,453 27	.....	.....	.....

*Intercepting Sewer and Connections—Statement for the year 1888.*

Location.	Diameter in feet and inches.	Length in feet.	Price per foot.	PAYMENTS.		Total cost.	Inspectors.	Contractors.
				In assessment bills.	In warrants.			
Section 13, along the Schaykill canal from Leverington northward, one (1) flushing chamber, \$2,300 .....	2' 10" x 3' 7"	465	\$13 00	.....	\$17,366 52	\$32,479 00	C. Y. Lauderbach,	James Sullivan.
Wissahickon Valley sewer, section 2, from Maple Spring Hotel to near Rittenhouse lane.....	2' 4" x 3' 6"	705	9 00	.....	15,523 20	23,109 00	C. R. Van Horn...	W. H. H. Achuff.
Wissahickon Valley sewer, section 3, near Rittenhouse lane.....	2' 4" x 3' 6"	140	9 00	.....	.....	.....	F. J. Watt.....	H. C. Eyre.
Main street between Cedar and Levering streets, Twenty-first Ward.....	20" Pipe	26	5 15	} .....	2,457 60	.....	C. Y. Lauderbach	D. A. Kennedy.
	12" Pipe	287	2 95					
	10" Pipe	275	.....					
	8" Pipe	250	.....					
Total.....	.....	2,147	.....	.....	\$35,347 32	.....	.....	.....



*Detailed Statement of Branch Sewers built by the City  
during the year 1888—Continued.*

SIZE OF SEWERS.	LENGTH IN FEET.
Egg-shaped, 4' 6" x 3'.....	452.00
Egg-shaped, 4' 6" x 2' 8".....	1,403.41
Egg-shaped, 4' 3" x 2' 10".....	332.99
Egg-shaped, 4' 0" x 2' 8".....	2,339.45
Egg-shaped, 3' 6" x 2' 4".....	7,669.50
Egg-shaped, 3' 3" x 2' 2".....	3,547.49
Egg-shaped, 3' x 2'.....	66,857.54
Egg-shaped, 2' 6" x 1' 8".....	17,334.41
Egg-shaped, 2' 3" x 1' 6".....	45,335.18
Circular, 3' 3".....	91.00
Circular, 3'.....	905.09
Circular, 2' 9".....	419.82
Circular, 2' 6".....	2,478.52
Circular, 2'.....	2,044.81
Circular, 15-inch pipe.....	2,245.01
Circular, 12-inch pipe.....	6,634.75
Circular, 8-inch pipe.....	5,589.96
Total.....	165,713.83
Deduct as accounted for in 1887 report.....	15,953.00
Total built during the year 1888.....	149,760.83



*Sewers Built at Private Expense.*

SHAPE.	SIZE.	LENGTH.
Egg-shaped.....	2' x 3'	1,049
Egg-shaped.....	1' 8" x 2' 6"	816
Egg-shaped.....	1' 6" x 2' 3"	2,093
Circular.....	15"	1,105
Circular.....	12"	4,704
Circular.....	10"	38
Circular.....	8"	320
Total length in feet.....		10,124

*Length and Cost of Sewers built during the year 1888.*

Location.	Size.	Length in feet.	INLETS.		MANHOLE'S.		WELLS.		Cost per foot.	PAYMENTS.		Total cost.	Excess bills and balances.	Inspectors.	Contractors.	Date of final estimate.
			No. built.	Cost each.	No. built.	Cost each.	No. feet built.	Per foot.		Total cost.	In assessor's bills.					
Aspen st., from Forty-seventh to Forty-third sts.....	3 ft. 0 in. x 2 ft. 0 in. 2 ft. 6 in. x 1 ft. 8 in. 2 ft. 3 in. x 1 ft. 6 in. 12-inch pipe.....	800 425 389.5 18	2	8	8	\$87 00	8	\$25 00		1 10	\$2918 50	\$4701 90		Jos. Hunter.....	Il. P. McTague.....	1888, May 4
Anglo st., from Germantown ave. to Old York road.....	2 ft. 6 in. x 1 ft. 8 in.	471.75	2	1	87 00	8	25 00		2 20	916 52	283 23	1199 85		Geo. E. Brown.....	Geo. W. Ruch.....	Aug. 8
Almond st., from Dauphin to Norris sts.....	3 ft. 0 in. x 2 ft. 0 in. 12-inch pipe.....	242	2	2	87 00	3	25 00		1 10	461 88	310 72	772 60		Aug. Durr.....	W. H. Yost.....	Dec. 20
Brown st., from Thirty-seventh to Thirty-eighth sts.....	2 ft. 6 in. x 1 ft. 8 in. 12-inch pipe.....	395.5	2	5	87 00	2	25 00		1 10	720 06	730 72	1450 72		C. R. Van Horn.....	J. McParland.....	April 3
Broad st. (west side), from Reed to Morris sts.....	3 ft. 0 in. x 2 ft. 0 in.	1304.5					9	25 00	1 94	1633 38	1067 35	2755 73		Jas. McGill.....	Edw. McCann.....	April 19
Buttonwood st., from Tenth to Eleventh sts.....	3 ft. 0 in. x 2 ft. 0 in.	458					3	25 00	2 27	1114 66		1114 66	47 99	Aug. Durr.....	Jos. Johnson.....	April 23
Baring st., from Thirty-first st. to 100 ft. east of Thirty-second st.....	2 ft. 8 in. x 1 ft. 6 in.	177.5					3	25 00	2 40	353 00	123 90	476 90		Jas. Duffy.....	W. H. H. Achuff.....	April 25
Barns st., from Brown to Parrish sts., from Fairmount ave. to Brown st.....	3 ft. 0 in. x 2 ft. 0 in. 2 ft. 3 in. x 1 ft. 6 in.	404					8	25 00	2 13	935 52		935 52	12 48	Thos. D. Hooper.....	E. F. Shelmdre.....	May 28
Brown st., from Twenty-fifth to Twenty-sixth sts.....	2 ft. 3 in. x 1 ft. 6 in.	358					3	25 00	2 27	811 53	76 18	887 65		W. J. Little.....	H. S. Hong.....	June 23
Backwell st., from Brown to Parrish sts.....	3 ft. 0 in. x 2 ft. 0 in.	448					3	25 00	2 27	999 44	92 52	1091 96		Thos. D. Hooper.....	H. S. Hong.....	July 30
Buttonwood st., from York ave. to Fourth st.....	3 ft. 0 in. x 2 ft. 0 in. 2 ft. 3 in. x 1 ft. 8 in. 12-inch pipe.....	403 834 30	3	1	81 00	3	25 00		2 27	931 00	139 81	1070 81		John Vicary.....	W. H. Yost.....	Aug. 3
			3	1	81 00	2	25 00		2 17	788 47	100 31	888 78		Jas. McGill.....	W. B. M. Conklin.....	Aug. 9

## Length and Cost of Sewers Built during the year 1888—(Continued.)

Location.	Size.	Length in feet.	INLETS.		MANHOLE'S.		WELLSHOES.			Cost per foot.	PAYMENTS.			Total cost.	Excess bills and balances.	Inspectors.	Contractors.	Date of final est- imate.
			No. built.	Cost each.	No. built.	Cost each.	No. feet built.	Per foot.	Total cost.		In assess- ment bills.	In city valuables.						
Brighthelm st., from German- town ave. to Mercer st., and on Mercer st., from Bring- hurst to Ashmead sts.	3 ft. 0 in. x 2 ft. 0 in. 12-inch pipe.	2151 36	2	\$87 00	5	\$245 00	22	5	110 00	\$2 43 1 10	\$5730 52	\$118 01	\$5730 52	\$5730 52	S. H. Collett.....	Deitz & Murray.....	Aug. 21	
Broad st. (east side), from Pan- pahn st. to Susquehanna av. Fairbridge st., from Tenth to Eleventh sts.	2 ft. 3 in. x 1 ft. 6 in. 3 ft. 0 in. x 2 ft. 0 in.	583.5 410	3	81 00	3	25 00	3	25 00	.....	2 25 2 08	720 00 785 31	.....	3674 62	21394 62	S. R. Franklin.....	James Deehan.....	Aug. 23	
Boynton st., from Wister to Wisteria ave.	2 ft. 3 in. x 1 ft. 6 in.	808.5	3	81 00	4	25 00	.....	.....	.....	2 83	2220 20	.....	188 15	2388 85	John Able, Jr.....	John Kerrigan.....	Aug. 30	
Baltimore ave., from Forty- third to Forty-fifth sts.	3 ft. 6 in. x 2 ft. 4 in.	1056	2	87 00	5	25 00	.....	.....	.....	3 19	1826 77	.....	2014 87	3841 64	W. P. Brown.....	John McFarland.....	Sept. 14	
Bainbridge, from Front to Third sts.	2 ft. 6 in. x 1 ft. 8 in. 12-inch pipe.	981 31	3	81 00	6	25 00	.....	.....	.....	2 18 1 10	2246 87	.....	428 13	2675 00	Jno. McCormick	Peter F. Deehan.....	Sept. 21	
Baker st., from sewer in Ger- mantown av. to easterly side of Nice street.	2 ft. 6 in. x 1 ft. 8 in.	262.5	3	81 00	3	25 00	.....	.....	.....	2 19	591 48	.....	114 39	703 87	Abm. Ruth.....	W. H. Yoast.....	Oct. 18	
Broad st. (east side), from Fel- eral to Elsworth sts.	2 ft. 6 in. x 1 ft. 8 in.	360.5	3	87 00	3	25 00	.....	.....	.....	1 96	897 04	.....	362 91	769 95	T. A. Brackney.....	Edw. McCann.....	Oct. 23	
Brandywine st., from Twen- ty-first to Twenty-second sts.	3 ft. 0 in. x 2 ft. 0 in. 12-inch pipe.	434 12	3	79 00	3	25 00	.....	.....	.....	3 79 1 10	1036 16	.....	696 90	1733 06	C. F. Brown.....	W. F. Clement.....	Oct. 30	
Baring st., from Sloan to Stare st.	2 ft. 3 in. x 1 ft. 6 in.	178	1	81 00	1	25 00	.....	.....	.....	1 99	353 65	.....	55 27	408 92	Wm. Yetter.....	John McFarland.....	Dec. 6	
Belgrade st., from Montgom- ery ave. to Vienna sts.	3 ft. 0 in. x 2 ft. 0 in. 12-inch pipe.	27 378	2	87 00	3	25 00	.....	.....	.....	2 13 1 10	683 58	.....	293 86	970 44	F. G. Ballentine	W. E. M. Conklin.	Dec. 8	
Belknap ave., between Han- cock st. and Belknap ave., and Chalkton ave., between Belknap and Wilson avs.	4 ft. 0 in. x 2 ft. 0 in. 2 ft. 8 in. x 1 ft. 6 in.	487.5 869	2	87 00	6	25 00	.....	.....	.....	4 97 2 69	3820 88	.....	1017 40	4838 28	D. J. Davis.....	H. P. McTague.....	April 7	

*Length and Cost of Sewers Built during the year 1888—(Continued.)*

Location.	Size.	Length in feet.	INLETS.			MANHOLES.			WELLSHOLES.			Cost per foot.	PAYMENTS.		Total cost.	Excess bills and balances.	Inspectors.	Contractors.	Date of final estimate.
			No. built.	Cost each.	No. built.	Cost each.	No. built.	Cost each.	No. feet.	Per foot.	Total cost.		In assessment bills.	In city warrants.					
Cumberland st., from Broad to Fifteenth sts.	3 ft. 0 in. x 2 ft. 0 in.	230.54	3	\$81 00	2	\$25 00					\$2 38	\$533 48	\$135 36	\$668 84		D. J. Davis.	H. C. Hong.	April 19	
Cumberland st., from Emerald to Jasper sts.	3 ft. 0 in. x 2 ft. 0 in.	434			3	25 00					2 38	1086 22		1086 22	3 65	John Vicary.	W. B. M. Conklin.	May 12	
Catharine st., from Eloventh st. to Broad st.	3 ft. 0 in. x 2 ft. 0 in.	1402	3	81 00	39	25 00					2 05	3023 84	723 86	3747 10		W. J. Little.	Edw. McCann.	May 21	
Carlisle st., from Dauphin to York st.	2 ft. 3 in. x 1 ft. 6 in.	547			3	25 00					2 25	1305 75		1305 75	88 25	Jos. Hunter.	P. C. & T. McEntee.	June 8	
Castle ave., from Broad to Sixteenth st.	2 ft. 3 in. x 1 ft. 6 in.	448	3	81 00	3	25 00					1 92	952 00	145 16	1097 16		S. Cox.	Henry Smart.	June 12	
Cass st., from the sewer in Twelfth st. to e. c. l. of Thirteenth st., with pipe connection to Thirtieth st.	2 ft. 3 in. x 1 ft. 6 in. 12-inch pipe.	443			3	25 00					2 25								
Current alley, from Spruce to Locust sts.	2 ft. 3 in. x 1 ft. 6 in.	443	3	81 00	3	25 00					2 33	969 51	188 68	1158 19		W. J. Little.	John M. Donnelly.	June 21	
Clearfield st., at Laurence st. to e. c. l. of Fourth st., thence in Fourth to Clearfield, to Indiana ave.	3 ft. 0 in. x 2 ft. 0 in. 15-inch pipe.	266.5	2	87 00	7	25 00					2 19	1695 69	294 35	1990 04		C. R. Van Horn.	John McParland.	July 7	
Charlotte st., from Canal to George st.	2 ft. 3 in. x 1 ft. 6 in.	480	3	81 00	3	25 00					2 17	1248 88	29 72	1278 60		John Vicary.	W. H. Yoast.	July 11	
Callowhill st., from Eighth st. to Ridge avenue.	3 ft. 0 in. x 2 ft. 0 in. 12-inch pipe.	811			8	25 00					2 61	1974 09	397 32	2371 41		T. A. Brackney.	B. F. Shelshire.	July 14	
Cherry st., between Clarendon st. and west side of Twenty-first st.	12-inch pipe.	182	3	81 00	1	25 00					1 70	337 50	77 90	415 40		E. H. Sicker.	H. S. Hong.	July 31	
Crawford st., from the sewer in Ridge avenue northward to the creek.	3 ft. 8 in. cbr. Rubble masonry.	91			1	40 00					9 00		881 50	881 50		C. Y. Lauderbach.	B. J. Sullivan.	Aug. 6	

## Length and Cost of Sewers Built during the year 1888—(Continued.)

Location.	Size.	Length in feet.	INLETS.			MANHOLE'S.			WELLHOLES.			Cost per foot.	PAYMENTS.		Total cost.	Excess bills and balances.	Inspectors.	Contractors.	Date of final estimate.
			No. built.	Cost each.	No. built.	Cost each.	No. built.	Cost each.	No. feet built.	Per foot.	Total cost.		In assessments.	In city warrants.					
Cherry st., from present terminus, to Twentieth st.	12-inch pipe.	40	3	1	\$83 00							\$1 95	\$100 00	\$59 11	\$159 00		E. H. Sickler.	H. Smart.	Aug. 20
Caroline st., from Sixteenth to Seventeenth sts.	3 ft. 0 in. x 2 ft. 0 in.	426										1 33	916 98	\$79 49	916 98		E. H. Sickler.	Ed. McCann.	Aug. 25
Cambridge st., from Nineteenth to Twentieth sts.	2 ft. 3 in. x 1 ft. 6 in.	426				3	25 00	3	25 00			1 98	948 18	85 17	948 18		Wm. Yetter.	Geo. W. Hansell.	Sept. 12
Callowhill st., from Fifth st. to 70 feet east of Fifth st.	2 ft. 3 in. x 1 ft. 6 in.	100				1	25 00					2 00	182 37		182 37		W. J. Little.	J. G. Conklin.	Sept. 25
Cumberland st., from Philip to American sts.	3 ft. 0 in. x 2 ft. 0 in.	164	2	2	87 00	3	25 00					2 34	363 26		363 26		S. R. Franklin.	J. P. Shelburne.	Nov. 10
Cumberland st., from Second to Philip sts., and on Philip northward	3 ft. 0 in. x 2 ft. 0 in.	486				3	25 00					2 27	1,092 00		1,178 22		S. R. Franklin.	C. Smith.	Nov. 12
Coral st., from Ella to York sts.	3 ft. 0 in. x 2 ft. 0 in.	210	2	2	87 00	2	25 00					2 28	388 50		692 30		Geo. Moore.	J. G. Conklin.	Dec. 6
Caroline st., from Eighth to Eleventh sts.	3 ft. 0 in. x 2 ft. 0 in.	1321	3	9	81 00	9	25 00					2 05	2,078 60		3,658 65		T. A. Brackney.	Ed. McCann.	Dec. 11
Cherry st., from Sixth to Seventh sts.	12-in. pipe.	492				2	25 00					1 97	988 88		1,019 24		T. D. Hooper.	Geo. W. Buck.	Dec. 11
Cumberland st., from Coral st. to sewer in Amber st.	3 ft. 0 in. x 2 ft. 0 in.	379	3	1	81 00	3	25 00					2 15	970 85	75 05	970 85		Geo. Moore.	H. H. Daubly.	Dec. 13
De Kalb st., from Brown to Aspen sts.	2 ft. 3 in. x 1 ft. 6 in.	397	2	2	87 00	3	25 00					2 35	930 00		1,191 85		C. R. Van Horn.	J. P. McFarland.	April 3
Dickinson st., from Cedar to Gaul sts.	3 ft. 0 in. x 2 ft. 0 in.	416	2	2	87 00	3	25 00					2 18	1,008 63		1,155 88		John Vicary.	W. H. Yeast.	May 22
Daponeau st., from Walnut to Locust sts.	2 ft. 3 in. x 1 ft. 6 in.	394.07				3	25 00					3 17	925 60		1,326 09		W. J. Little.	H. S. Hong.	June 27
Dehan st., from Forty-eighth to Forty-ninth sts.	2 ft. 6 in. x 1 ft. 8 in.	512.5				3	25 00					4 35	1,171 05		2,304 57		N. E. Beam.	John Noonan.	July 24

*Length and Cost of Sewers Built during the year 1888—(Continued.)*

Location.	Size.	Length in feet.	INLETS.			MANHOLE'S WELLHOLES.			PAYMENTS.		Total cost.	Excess bills and balances.	Inspectors.	Contractors.	Date of final estab- lishment.	
			No. built.	Cost each.	No. built.	Cost each.	No. built.	Per foot.	Total cost.	In city payments.						In assess- ment bills.
Dickinson st., from Ninth st. west 185 ft.	3 ft. 0 in. x 2 ft. 0 in.	222.17				2	25 00			82 87	\$433 44	\$143 00	\$76 53	Wm. May	D. M. Smart	Nov. 9
Diamond st., from Twenty- ninth to Thirtieth sts.	2 ft. 3 in. x 1 ft. 6 in.	282 00				2	25 00			1 87	318 00	225 00	543 00	Jos. Hunter	Fred. Starke	Dec. 15
Eight st., from Christian to Carpenter sts.	2 ft. 6 in. x 1 ft. 8 in.	478	3	81 00		3	25 00	8 3/4	5	2 21	1071 63	481 25	1552 88	John Vicary	W. B. M. Conklin	May 2
Eleventh st., from Nevada to Dauphin sts.	2 ft. 3 in. x 1 ft. 6 in.	214.5				1	25 00			2 98	300 66	470 42	671 68	F. G. Ballentine	Geo. W. Ruch	June 8
Eighteenth st., from Seybert to Cabot sts.	2 ft. 3 in. x 1 ft. 6 in.	210				1	25 00			1 90	381 13	46 17	427 30	Aug. Durr	Burns & Higgins	Aug. 28
Eighteenth st., from Tioga to Venango sts.	2 ft. 3 in. x 1 ft. 6 in.	547.5				3	25 00			2 19	1125 00	149 02	1274 02	John G. Moore	John McFarland	Sept. 26
Eleventh st., from Tenth to Eleventh sts.	3 ft. 0 in. x 2 ft. 0 in.	423.25	3	81 00		3	25 00			1 97	894 52	350 10	1 44 52	T. A. Brackney	Burns & Higgins	Oct. 18
Eleventh st., from Snyder ave. to Emily st.	3 ft. 0 in. x 2 ft. 0 in.	294.25	3	81 00		2	25 00			2 40	523 74	475 46	990 20	T. A. Brackney	James Deehan	Dec. 11
Eighteenth st., from Tioga to Ontario sts.	2 ft. 3 in. x 1 ft. 6 in.	544	3	81 00		4	25 00			1 99	1276 76		3276 76	John G. Moore	Robert Higgins	Dec. 13
Forty-fourth st., from Wal- nut to Spruce sts., and on Loaned st., from Forty- third to Forty-fourth sts.	3 ft. 0 in. x 2 ft. 0 in. 2 ft. 6 in. x 1 ft. 8 in.	850 836	3 3	81 00		6	25 00			2 19 2 49	2594 95	1563 19	4158 14	Wm. Whisonand C. R. Van Horn	John McFarland	Jan. 21
Forty-seventh st., from Woodland to Kingessing aves.	3 ft. 0 in. x 2 ft. 0 in.	723	3	81 00		4	25 00			3 60	1747 43	1198 37	2945 80	John G. Moore	T. P. Smart	May 5

*Length and Cost of Sewers Built during the year 1888—(Continued).*

Location.	Size.	Length in feet.	INLETS.		MANHOLE'S.		WELLHOLES.			Cost per foot.	PAYMENT.		Total cost.	Excess bills and balances.	Inspectors.	Contractors.	Date of final estimate.
			No. built.	Cost each.	No. built.	Cost each.	No. feet built.	Per foot.	Total.		In assessments.	In city warrants.					
Fletcher st., from the sewer in Twenty-seventh st. to the middle of Twenty-sixth st.	2 ft. 3 in. x 1 ft. 6 in.	453.25			3	\$25 00				\$1 90	\$936 17	\$936 17	\$61 50	Wm. Yetter.....	P. C. & G. McEntee.....	1888. May 10	
Fifth st., from Dauphin to York sts.	2 ft. 3 in. x 1 ft. 6 in.	588.83			3	25 00				2 24	1349 18	1349 18	112 82	Jos. Hunter.....	P. C. & G. McEntee.....	May 19	
Fifteenth st., from Summer to Spring sts.	12-inch pipe.	166.5			2	25 00				1 86	283 01	283 01		S. Cox.....	H. Smart.....	May 21	
Forty-first st., from Market st. to a point 150 feet south of Market st.	12-inch pipe.	3								1 10							
Front st., from Lombard to South sts.	2 ft. 6 in. x 1 ft. 8 in.	185			2	25 00				2 22	\$26 50	\$264 30		N. R. Beam.....	J. H. Hathaway.....	May 24	
Fifth st., from Christian to German sts.	2 ft. 3 in. x 1 ft. 6 in.	340			2	25 00		5	5	2 45	874 21	908 00		C. R. Van Horn.....	W. P. Clement.....	May 31	
Front st., from Pine to Lombard sts.	3 ft. 0 in. x 2 ft. 0 in.	820			4	25 00				2 49	1745 19	2627 80		John McCormick.....	James Deehan.....	May 31	
Fifteenth st., from Indiana ave. to Clearfield st.	3 ft. 0 in. x 2 ft. 0 in.	372			2	25 00				2 45	819 69	303 71		C. R. Van Horn.....	W. P. Clement.....	May 31	
Fifteenth st., from Reed to Tasker st.	3 ft. 0 in. x 2 ft. 0 in.	592			3	25 00				2 37	1269 33	200 00		H. M. Smith.....	H. S. Hong.....	June 8	
Forty-first st., from Fairmount ave. to Green st.	3 ft. 0 in. x 2 ft. 0 in.	872.5			3	25 00				1 94	2168 75	2168 75	6 42	S. Cox.....	Ed. McCann.....	June 23	
Federal st., from Fifteenth to Seventeenth sts.	12-inch pipe.	21			6	25 00				1 10							
Forty-sixth st., from Aspen to Brown sts.	2 ft. 3 in. x 1 ft. 6 in.	318			2	25 00				2 13	800 18	8 21		Jas. McGill.....	W. B. M. Cooklin.....	June 30	
	3 ft. 0 in. x 2 ft. 0 in.	912			6	25 00				2 08	2071 78	461 23		George Moore.....	Ed. McCann.....	July 10	
	2 ft. 3 in. x 1 ft. 6 in.	334.5			3	25 00				2 09							
	12-inch pipe.	18			3	25 00				1 10	919 30		100 70	N. B. Beam.....	John Noonan.....	Aug. 23	

*Length and Cost of Sewers Built during the year 1888—(Continued.)*

Location.	Size.	Length in feet.	INLETS.		MANHOLE'S		WELLHOLES.		Cost per foot.	PAYMENT.		Total cost.	Excess bills and balances.	Inspectors.	Contractors.	Date of final estimate.
			No. built.	Cost each.	No. built.	Cost each.	No. feet built.	Per foot.		Total cost.	In assessments.					
Fletcher st., from Twenty-ninth to Thirtieth sts.	2 ft. 3 in. x 1 ft. 6 in.	479			2	\$25 00			\$1 95	\$974 30		\$974 30	31 34	Wm. Yetter	Geo. W. Hansell	Aug. 27
Fitzwater st., from Broad to Sixteenth sts.	2 ft. 6 in. x 1 ft. 8 in. 12-inch pipe.	491 472	3	\$81 00	6	25 06			1 96 1 62	1842 92	\$350 08	2393 00		S. Cox	H. Smart	Sept. 10
Fifth st., from Snyder ave. to Jackson st.	3 ft. 0 in. x 2 ft. 0 in.	468.75	3	81 00	2	25 00			2 35	751 05	800 00	1551 00		S. Franklin	James Deehan	Sept. 12
Forty-first st., from Spring Garden st. south	2 ft. 8 in. x 1 ft. 6 in.	228			2	25 00			1 99	497 40		497 40		N. B. Beam	Burns & Higgins	Sept. 17
Fifth st., from Noble to Hut-ton wood sts.	2 ft. 8 in. x 1 ft. 6 in.	365			3	25 00			2 08	927 76	31 44	959 20		T. D. Hooper	Geo. W. Reeh	Sept. 24
Fifth st., from German to Monroe sts.	12-inch pipe.	40	3	81 00	3	25 00			1 10							Sept. 24
Fifth st., from German to Monroe sts.	3 ft. 0 in. x 2 ft. 0 in.	342.5			1	25 00			2 43	534 48	79 89	614 27		E. H. Sickles	Edw. McCann	Sept. 24
Fourth st., from Christian to Carpenter sts.	3 ft. 0 in. x 2 ft. 0 in.	464	3	81 00	2	25 00		5	2 78	1175 54	465 98	1642 52		N. R. Beam	W. F. Clement	Oct. 1
Fairmount ave., from Thirty-ninth to Union sts.	2 ft. 3 in. x 1 ft. 6 in.	411			3	25 00			1 87	843 75		843 75	146 43	N. R. Beam	Burns & Higgins	Oct. 2
Front st., from Harrison st. to Montgomery ave.	3 ft. 0 in. x 2 ft. 0 in.	349	3	81 00	3	25 00			2 31	882 78	79 41	962 19		W. J. Little	J. G. Conklin	Oct. 2
Fourth st., from Lombard to Pine sts.	3 ft. 0 in. x 2 ft. 0 in.	349	3	81 00	2	25 00			2 87	299 56	638 57	938 13		Jas. McGill	W. B. M. Conklin	Oct. 5
Forty-sixth st., from Wood-land to Springfield avs.	2 ft. 6 in. x 1 ft. 8 in. 12-inch pipe.	1672 13	3 3	81 00	8	25 00			3 47 1 10	3850 07	2407 97	6258 04		W. P. Brown	H. S. Hong	Oct. 30
Fifteenth st., from Venango st. to Erie ave.	3 ft. 0 in. x 2 ft. 0 in.	556			3	25 00			3 09	1237 04		1237 04	46	John Vicary	Burns & Higgins	Nov. 7
Fawn st., from Columbia to Montgomery avs.	2 ft. 3 in. x 1 ft. 6 in.	468			3	25 00			2 19	1099 92		1099 92	9 08	T. D. Hooper	R. F. Shelburne	Nov. 12
Federal st., from Seventh to Twelfth sts.	3 ft. 0 in. x 2 ft. 0 in. 12-inch pipe.	2216.58 12	3 6	81 00	14	25 00			2 00 1 10	4390 43	891 93	5282 36		T. A. Brackney	Edw. McCann	Nov. 16



## Length and Cost of Sewers Built during the year 1888—(Continued).

Location.	Size.	Length in feet.	INLETS.		MANHOLE'S			WELLSHOLES.			Cost per foot.	PAYMENT.		Excess bills and balances.	Inspectors.	Contractors.	Date of final estimate.
			No. built.	Cost each.	No. built.	Cost each.	No. feet.	Per foot.	Total cost.	In assess-ment bills		In city warrants.					
Girard st. (south side), from Broad to Sixth sts.	3-ft. 0 in. x 2 ft. 0 in.	2780									\$3 09	\$1941 88	\$6857 48	\$8799 31	T. A. Brackney.	John Noonan.	April 23
Garfield st., from Wakefield st. to Germantown ave.	3 ft. 0 in. x 2 ft. 0 in.	927.67			5	\$25 00					2 60	2323 23	218 90	2542 13	John Able, Jr.	John Kerrigan.	June 12
Germantown ave., from Mill to Coulter sts.	3 ft. 0 in. x 2 ft. 0 in.	512.5			4	25 00					4 85	1043 10	1517 42	2560 52	S. W. Collins.	John Kerrigan.	June 23
Green st., from Fourth to Fifth sts.	2 ft. 3 in. x 1 ft. 6 in.	497			3	25 00					1 93	1037 51		1037 51			
Girard ave. S.E., from Sixth st. to Frankford ave.	3 ft. x 2 ft.	2473.58			3	25 00					1 10	2442 74	4762 90	7205 64	Jas. McGILL.	W. R. M. Conklin	July 10
Giant st., from Vienna st. to Montgomery ave.	12-inch pipe.	69	3	\$81 00	15	25 00					2 72				C. R. Van Horn.	P. C. & T. McEntee	Sept. 11
George st., from Lawrence to Fifth sts.	3 ft. x 2 ft.	380.5	2	87 00	3	25 00					2 15	507 33	600 00	1107 33	John Vicary.	W. H. Yeast.	Oct. 8
Graz st., from the sewer in Susquehanna ave. to Diamond st.	2 ft. 3 in. x 1 ft. 6 in.	284			3	25 00					2 11	569 41	83 13	652 54	E. P. Hill.	J. G. Conklin.	Dec. 11
Hamilton st., from Thirty-second to Thirty-third st.	12-inch pipe.	554	3	81 00	3	25 00					1 10	972 00	100 00	1072 00	S. R. Franklin.	Fred. Starke.	Dec. 15
Holly street, from Ogden to Parrish sts.	2 ft. 3 in. x 1 ft. 6 in.	210			2	25 00					2 15	479 50	22 00	501 50	E. H. Sickles.	D. M. Smart.	April 9
Haverford st., from Thirty-ninth to Union sts.	12-inch pipe.	327.7			2	25 00					2 08	828 01		828 01	W. P. Brown.	H. Smart.	April 20
Holly st., from Ogden st. to Westminster ave.	2 ft. 6 in. x 1 ft. 8 in.	407.5			3	25 00					2 00	890 00		890 00	N. B. Bean.	John Noonan.	June 23
Hewson st., from Girard ave. to Willey st.	2 ft. 3 in. x 1 ft. 6 in.	364.3			3	25 00					1 85	755 45		755 45	N. B. Bean.	John Noonan.	July 11
	12-inch pipe.	15			3	25 00					1 10						
	3 ft. x 2 ft.	349			4	25 00					2 27	907 03		907 03	John Vicary.	Wm. H. Yeast.	Aug. 29
	12-inch pipe.	14			4	25 00					1 10						

*Length and Cost of Sewers Built during the year 1888—(Continued).*

Location.	Size.	Length in feet.	INLETS.			MANHOLE'S.			WELLHOLES.			PAYMENT.		Total cost.	Excess bills and balances.	Inspectors.	Contractors.	Date of final est- imate.
			No. built.	Cost each.	No. built.	Cost each.	No. feet built.	Per foot.	Total cost.	Cost per foot.	In assess- ment bills.	In city warrants.						
Harlan st., from Nineteenth to Twentieth sts.....	2 ft. 3 in. x 1 ft. 6 in.	448			3	\$25 00						\$2 07	\$1002 36	\$1002 36		W. P. Brown.....	John McFarland.....	Aug. 7
Hanover st., from Girard ave. to Delaware river.....	3 ft. 6 in. x 2 ft. 4 in. 12-inch pipe.....	1561 40			3	\$81 00	9	25 00				2 27 1 10	3601 74 \$1029 73	4622 47		James McGill.....	W. R. M. Conklin.....	Sept. 7
Hurly st., from Hart lane to S. e. line of Indiana st.....	15-inch pipe.....	325.75			3	81 00	3	25 00				1 94	704 21	83 74		David J. Davis.....	Geo. W. Ruch.....	Oct. 18
Herman st., from the e. c. l. of Twenty-sixth st. to the sewer in Twenty-eighth st.	2 ft. 3 in. x 1 ft. 6 in. 12-inch pipe.....	852.5 11			3	81 00	6	25 00				1 98 1 10	1932 75	241 30		Wm. Yetter.....	G. W. Hansell.....	Oct. 18
Hoppe st., from Girard ave. to Hancock st.....	2 ft. 3 in. x 1 ft. 6 in.	429.75			3	25 00						2 73	1065 47	182 74		W. J. Little.....	J. G. Conklin.....	Oct. 22
Haverford st., from Thirty- third to Thirty-fourth sts.	2 ft. 3 in. x 1 ft. 6 in. 12-inch pipe.....	400 24			3	25 00						2 05 1 10	921 40			W. P. Brown.....	John McFarland.....	Nov. 18
Harc st., from Twenty-second to Twenty-third sts.....	3 ft. 0 in. x 2 ft. 0 in.	315			3	81 00	3	25 00				1 95	689 42	135 58		Wm. Yetter.....	G. W. Hansell.....	Dec. 24
Jefferson st., from Mervine to Twelfth sts.....	2 ft. 3 in. x 1 ft. 6 in.	208			2	25 00						2 13	437 50	62 14		D. J. Davis.....	H. S. Hong.....	April 7
Jasper st., from the sewer in Somerset st. to a point 510 ft. s. e. of said Somerset st.	3 ft. 0 in. x 2 ft. 0 in.	312.25			2	25 00						2 50	813 88	16 74		Jno McCormick.....	John M. Mack.....	April 24
Jefferson st., from Pink to Lawrence sts.....	2 ft. 3 in. x 1 ft. 6 in.	381.00			2	25 00						2 20	598 00	275 00		C. R. Van Horn P. C. & T. McEntee	July 24	
Jeanette st., from Mana- yunk to Fresland avs.....	2 ft. circumference.....	752.46			5	40 00						4 25				F. J. Watt.....	H. C. Eyrse.....	Aug. 6
Jefferson st., from Thirtieth to Twenty-eighth sts.....	3 ft. 0 in. x 2 ft. 0 in.	760.45 900			4	87 00						2 20	2151 38	3581 57		Jas. McGill.....	John M. Donnelly	Nov. 28
Jasper st., from Hart lane to Cambria st.....	2 ft. 9 in. circumf.....	419.82			2	81 00						2 65	1030 18	213 34		P. F. Brown.....	W. P. Clement.....	Dec. 3

*Length and Cost of Sewers Built during the year 1888—(Continued):*

Location.	Size.	Length in feet.	INLETS.			MANHOLE'S			WELLSHOLES.			Cost per foot.	PAYMENT.		Total cost.	Excess balances.	Inspectors.	Contractors.	Date of final estimate.
			No. built.	Cost each.	No. built.	Cost each.	No. built.	Cost each.	No. built.	Per foot.	Total cost.		In assoc. ment bills.	In city warrants.					
Knox st., from Chelton ave. to Lehman st., and on Chelton ave., from Wayne to Green sts.	3 ft. 3 in. x 2 ft. 2 in.	1087.5	2	1	\$87 00							\$2 72	\$925 36	\$4516 71		J. G. Moore.	Nolan & Regan.	Feb. 28	
	2 ft. 3 in. x 1 ft. 6 in.	519.5	3	2	81 00	8	\$25 00					2 47	1 10	\$8591 35					
	12-inch pipe.	27											4 25	2492 41	6757 21		F. J. Watt.	H. C. Eyre.	May 4
Kales st., from Ridge ave. to Righter st.	2 ft. circumference.	947.70	2	3	87 00	2	25 00					2 18	1856 77	3740 72		John Able, Jr.	D. McMahon.	Sept. 26	
	8-inch pipe.	563.86										1 10	1764 24	2121 48		D. J. Davis.	Geo. W. Ruch.	Oct. 13	
Knox st., from Coulter to Queen sts.	2 ft. 3 in. x 1 ft. 6 in.	704	3	1	81 00	5	25 00					2 45	7232 28	14386 56		A. Rath, A. Durr.	H. C. Eyre.	Feb. 3	
	3 ft. x 2 ft.	739.66										2 21	1180 00	\$222 44		Aug. Farr.	Jos. Johnson.	April 11	
Kensington av., from Somerset to Cambria sts.	12-inch pipe.	43	2	2	81 00	4	25 00					1 90	73 00	110 00		James McGill.	H. S. Hong.	April 19	
	4 ft. 6 in. x 2 ft. 3 in.	1403.41										2 99	1600 00	1565 80		C. Y. Landerbach.	J. M. Donnelly.	July 11	
Longshore st., from Spring to Jackson sts.	4 ft. 0 in. x 2 ft. 8 in.	450.95										2 25	917 00	1045 50		N. B. Bean.	James Deegan.	July 23	
	3 ft. 6 in. x 2 ft. 4 in.	485.91										2 03	960 91	1497 28		Aug. Durr.	Barnes & Higgins.	Aug. 18	
Lawrence st., from George to Culvert sts.	3 ft. 3 in. x 2 ft. 2 in.	465.99	2	10	87 00							2 45	7074 28	14386 56		A. Rath, A. Durr.	H. C. Eyre.	Feb. 3	
	3 ft. x 2 ft.	451.80	3	4	81 00	16	25 00					2 21	1180 00	\$222 44		Aug. Farr.	Jos. Johnson.	April 11	
Locust st., east from Thirty-eighth st.	2 ft. 3 in. x 1 ft. 6 in.	600				3	25 00					2 21	1180 00	\$222 44		Aug. Farr.	Jos. Johnson.	April 11	
	12-inch pipe.	63										1 90	73 00	110 00		James McGill.	H. S. Hong.	April 19	
Lyceum av., from Peekin to Mitchell sts.	2 ft. 3 in. x 1 ft. 6 in.	620	3	1	81 00	4	25 00					2 99	1600 00	1565 80		C. Y. Landerbach.	J. M. Donnelly.	July 11	
	2 ft. 3 in. x 1 ft. 6 in.	388										2 25	917 00	1045 50		N. B. Bean.	James Deegan.	July 23	
Lex st., from Fairmount av. to Brown st.	12-inch pipe.	15				3	25 00					1 10	917 00	1045 50		N. B. Bean.	James Deegan.	July 23	
	3 ft. x 2 ft.	377.91										2 03	960 91	1497 28		Aug. Durr.	Barnes & Higgins.	Aug. 18	
Lehigh av., from the sewer in Fifth st. to Fairhill st., thence on Fairhill st. 240 ft. from northeast of Lehigh avenue.	2 ft. 6 in. x 1 ft. 8 in.	248.50	3	2	81 00	3	25 00					2 03	960 91	1497 28		Aug. Durr.	Barnes & Higgins.	Aug. 18	
	2 ft. 6 in. x 1 ft. 8 in.											1 95	960 91	1497 28		Aug. Durr.	Barnes & Higgins.	Aug. 18	

*Length and Cost of Sewers Built during the year 1888—(Continued).*

Location.	Size.	Length in feet.	INLETS.			MANHOLE'S			WELLHOLES.			PAYMENT.		Cost per foot.	Excess bills and balances.	Inspectors.	Contractors.	Date of final estimate.
			No. built.	Cost each.	No. built.	Cost each.	No. built.	Cost each.	No. built.	Per foot.	Total cost.	In message bills.	In city warrants.					
Laurel st., from Front st. to Frankford av.	12-inch pipe.	669	2	887 00	6	25 00					\$1 79	\$1317 61		\$1847 51	D. J. Davis.	H. S. Hong.	Aug. 23	
Lehman & Marion sts., from Knox to Rittenhouse sts.	2 ft. 3 in. x 1 ft. 6 in.	645	3	81 00	4	25 00					2 24	1684 79	26 01	1712 80	S. H. Colton.	D. McMahon.	Sept. 24	
Lawrence st., from Brown to Poplar sts.	2 ft. 3 in. x 1 ft. 6 in.	755	3	81 00	5	25 00					2 13	1953 79		1963 79	Thos. D. Hooper.	B. F. Sclumire.	Sept. 29	
Mt. Vernon st., from Thirty-eighth st. to sewer.	2 ft. 2 in. x 1 ft. 6 in.	359			2	25 00					2 37	895 33		886 33	C. R. Van Horn.	W. H. H. Achuff.	April 12	
Murshall st., from Norris to Diamond sts.	2 ft. 3 in. x 1 ft. 6 in.	573	2	87 00	3	25 00					2 25	1396 27	54 98	1451 25	Con. F. Brown.	W. H. Yeast.	May 22	
Master st., from the sewer in Thirty-first st. to a point 330 ft. west of Thirty-first st.	2 ft. 3 in. x 1 ft. 6 in.	236			2	25 00					5 15	456 00	809 40	1265 40	T. A. Brackney.	T. P. Smart.	June 7	
Miller st., from Wisteria ave. to Mascher st.	2 ft. 3 in. x 1 ft. 6 in.	833.5	2	87 00	4	25 00					2 57	2316 60	12 49	2329 09	John Able, Jr.	John Kerrigan.	June 18	
Mascher st., from Norris to Diamond sts., from Wakefield st. to Germantown ave., and on Germantown ave. to the sewer at Seymour st.	3 ft. 0 in. x 2 ft. 0 in.	525			5	25 00					2 18	1269 50		1269 50	John Vicary.	W. H. Yeast.	June 22	
Manayunk ave., from Jan-Marston st., from the end of the present sewer to the s. e. c. 1. of Columbia ave.	2 ft. 0 in. x 2 ft. 0 in.	189	2	81 00	7	25 00					2 87	2625 52	182 60	3011 12	John Able, Jr.	John Nolan.	July 6	
Marston st., from the end of the present sewer to the s. e. c. 1. of Columbia ave.	2 ft. 6 in. x 1 ft. 6 in.	907.5	2	87 00	1	25 00					2 47	560 00	1916 00	2475 00	F. J. Watt.	H. C. Eyre.	Aug. 6	
Montgomery ave., from Canal to Belgrade sts.	2 ft. 3 in. x 1 ft. 6 in.	344.67	2	87 00	2	25 00					4 25	585 50	3 25	588 75	S. R. Franklin.	Jas. Dechan.	Aug. 18	
	12-inch pipe.	237			2	25 00					2 25	530 00		530 00	John Vicary.	W. H. Yeast.	Oct. 8	
	3 ft. 0 in. x 2 ft. 0 in.	305.33	3	81 00	3	25 00					2 15	350 84	461 62	812 46	John Vicary.	W. H. Yeast.	Oct. 8	

## Length and Cost of Sewers Built during the year 1888—Continued.

Location.	Size.	Length in feet.	INLETS.		MANHOLE'S		WELLSHOLES.		Cost per foot.	PAYMENT.		Total cost.	Excess bills and balances.	Inspectors.	Contractors.	Date of final estimate.
			No. built.	Cost each.	No. built.	Cost each.	No. built.	Per foot.		Total cost.	In assessments.					
Monroe st., from Passyunk ave. to Fourth st.....	3 ft. 0 in. x 2 ft. 0 in.	471	3	1	\$81 00	3	\$27 00		\$2 14	\$1037 71	\$126 23	\$1163 94		Aug. Durr.....	W. F. Clement.....	Oct. 9
Manfborough st., from Reach st. to Girard ave.....	3 ft. 0 in. x 2 ft. 0 in.	1229	2	8	87 00	10	25 00		2 24	2803 98	834 98	3638 96	*	Jas. McGill.....	H. C. Eyre.....	Oct. 11
Market st., from Twenty-first to Twenty-second sts. (12-inch pipe.....)	3 ft. 0 in. x 2 ft. 0 in.	484				3	25 00		2 24					E. H. Sickness.....	D. M. Smart.....	Oct. 30
Mascher st., from Montgomery ave. to Berks st.....	3 ft. 0 in. x 2 ft. 0 in.	577	2	3	87 00	4	25 00		2 22	1170 00	471 94	1641 94		Aug. Durr.....	W. H. Yoast.....	Nov. 9
Ninth st., from Somerset to Cambria sts.....	2 ft. 0 in. x 1 ft. 8 in.	546.67	3	1	81 00	4	25 00		2 25	1267 00	144 00	1411 00		F. G. Ballentine	Geo. W. Rauch.....	May 16
Nineteenth st., from Westmoreland st. to Allegheny ave.; thence westward along Westmoreland to Twenty-first sts.....	2 ft. 6 in. x 1 ft. 8 in.	1520.91	2	1	81 00	7	25 00		1 98	3273 41		3273 41		H. M. Smith.....	H. P. McFague.....	June 5
Nineteenth st., from Diamond st. to Susquehanna ave.....	3 ft. 0 in. x 2 ft. 0 in.	541	3	1	81 00	3	25 00		2 11	1297 51		1297 51		E. H. Sickness.....	B. F. Sbelmire.....	June 26
Nineteenth st., north from Race st. about 370 feet.....	2 ft. 8 in. x 1 ft. 6 in.	453				2	25 00		2 17	628 50	407 81	1036 31		James McGill.....	W. B. M. Conklin	June 26
Nineteenth st., from Parrish to Poplar sts.....	3 ft. x 2 ft.....	341	3	1	81 00	2	25 00		1 96	795 95		795 95		C. Y. J. Landerbach	Geo. W. Hansell.....	July 26
Ninth st., from Susquehanna av. to Diamond st.....	2 ft. 3 in. x 1 ft. 6 in.	576				3	25 00		2 09	1278 84		1278 84		Jos. Hunter.....	Charles Smith.....	Oct. 27
Ninth st., from Reed to Dickinson sts.....	3 ft. x 2 ft.....	434.17	3	3	81 00	3	25 00		2 06	991 09	291 20	1212 88		William May.....	John Fullerton.....	Nov. 2
Nineteenth st., from Diamond to Norris sts.....	2 ft. 8 in. x 1 ft. 6 in.	536	3	2	81 00	4	25 00		2 04	1156 75	198 69	1355 44		S. R. Franklin.....	J. P. Shelmire.....	Nov. 22

## Length and Cost of Sewers Built during the year 1888—(Continued).

Location.	Length in feet.	INLETS.		MANHOLE WELLS.			Cost per foot.	PAYMENT.			Excess bills and balances.	Inspectors.	Contractors.	Date of final estimate.	
		No. built.	Cost each.	No. built.	Cost each.	No. built.		Per foot.	Total cost.	In assessments.					In city warrants.
Ontario st., from Ninth to Tenth sts.	433			3	\$25 00			\$3 00	\$1185 87	\$103 38	\$1289 25		N. B. Beam.	John M. Donnelly	Feb. 14
Ogden st., from Sixteenth st. to Ridge av.	351			3	25 00			2 09	868 59		868 59	30	T. D. Hooper.	B. F. Shelbirc.	May 16
Orlanna st., from Dauphin st. to Susquehanna av.	606	2	\$67 00	5	25 00			2 23	1384 50	332 88	1137 88		W. P. Brown.	Jos. Johnson.	June 19
Orkney st., from Clearfield to Indiana sts.	100			5	25 00			2 13					John Moore.	John McParland.	July 5
Oscego st., from Moore to Tucker sts.	440			5	25 00			1 79	1110 17		1110 17	\$856 58	S. R. Franklin.	James Deehan.	Sept. 20
Olive st., from Twelfth to Thirteenth sts.	885.5	3	81 00	5	25 00			2 45	2170 18	321 75	2491 89		F. G. Ballentine	W. E. M. Conklin.	Oct. 10
Olive st., from Seventeenth to Eighteenth sts.	95			3	25 00			1 10	803 02		803 02	89 72	Wm. Yetter.	Geo. W. Hansell.	Nov. 26
Olive st., from the sewer in Orkney st., southward.	356			3	25 00			2 37	988 75		988 75	132 82	Con. F. Brown.	W. P. Clement.	Dec. 13
Orkney st., from the sewer in Orkney st., southward.	425			3	25 00			2 15	1225 98	85 58	1311 56		C. F. Brown.	John Bentlage.	Dec. 14
Orlanna st., from York to Dauphin sts.	458	2	87 00	3	25 00			2 82	1276 00	94 04	1370 04		S. L. Colburn.	John McParland.	March 5
Orlanna st., from York to Dauphin sts.	524	4	87 00	5	25 00			2 21	2132 80	1118 42	3251 22		T. A. Brackney.	John Noonan.	April 4
Pastorius st., from German town ave. to Hancock st.	818.5			4	25 00			3 85	843 57	139 80	983 37		John Vleary.	W. H. Youst.	April 30
Preston st., from Lancaster to Fairmount avs.	338	2	87 00	3	25 00			2 09	1362 72		1362 72	58 28	Jas. McGill.	W. B. M. Conklin.	June 9
Palethorp st., from s. c. l. of York st. to the sewer in Dauphin st.	532	2	87 00	4	25 00			2 21	535 15	53 86	589 02		C. P. McCalley.	John Nolan.	June 27
Parrish st., from Fifteenth to Carlisle sts.	3			2	25 00			1 10	1027 91	141 69	1169 00				
Pastorius st., from Hancock to Osceola sts.	285			2	25 00			2 27							
Pastorius st., from Hancock to Osceola sts.	364.66			3	25 00			3 00							

*Length and Cost of Sewers Built during the year 1888—(Continued).*

Location.	Size.	Length in feet.	INJECTS.		MANHOLE'S WELLSHOLES.				Cost per foot.	PAYMENT.		Total cost.	Excess bills and balances.	Inspectors.	Contractors.	Date of final estimate.
			No. built.	Cost each.	No. built.	Cost each.	No. built.	Per foot.		Total cost.	In assessment bills.					
Parrish st., from Nineteenth to Twenty-second sts.	12-inch pipe	434	3	\$81 00	1	\$30 00			\$1 67	\$894 58	\$1 20	\$895 78		T. D. Hooper	Burns & Higgins	July 30
Phillip st., from s. e. c. 1 of Susquehanna ave. to Diamond st	3 ft. 0 in. x 2 ft. 0 in.	573.41	2	87 00	5	25 00			2 21	1525 26	42 90	1565 95		Wm. May	Jos. Johnson	Aug. 3
Phillip st., from end of old sewer to sewer in Berks st.	3 ft. 0 in. x 2 ft. 0 in.	164	3	81 00	2	25 00			2 75	435 99	114 01	550 00		Wm. May	Geo. W. Itch	Aug. 3
Pine st., between Second and Third sts.; also between Fourth and Fifth sts.	3 ft. 0 in. x 2 ft. 0 in.	924							2 43					Jas. Duffy	H. C. Eyre	Sept. 6
Pierce st., between Seventh and Eighth sts.	3 ft. 0 in. x 2 ft. 0 in.	421.5	3	81 00	3	25 00			2 47	1022 75	174 85	1197 10		T. A. Brackney	L. Smart	Sept. 8
Price st., from Hancock st. to the sewer in Engle st.	2 ft. 3 in. x 1 ft. 6 in.	571	3	81 00	2	25 00	22	5	4 40	1600 60	1111 33	2711 93		S. H. Colborn	John M. Mack	Sept. 10
Pearl st., from Thirty-fourth to Thirty-fifth sts.	2 ft. 3 in. x 1 ft. 6 in.	445	3		3	25 00			1 98	982 88		932 88	131 65	Yetter & Hunter	John McParland	Nov. 17
Pennst., from Patton ave. s. w. about 650 ft.	3 ft. 0 in. x 2 ft. 0 in.	665	3	81 00	3	25 00	4	5	2 20		1813 00	1813 00		John Able, Jr.	John Nolan	Oct. 8
Phillip st., from Oxford to Jefferson sts.	2 ft. 3 in. x 1 ft. 6 in.	380	2	87 00	3	25 00			2 11	865 60		865 60	112 57	F. C. Ballentine	W. B. M. Conklin	Dec. 6
Ridge ave., from intercepting sewer to Osbourne st.	12-inch pipe	1261.55			3	25 00			4 71							
Race st., from Thirty-sixth to Thirty-fifth sts.	3 ft. circumference	205							5 23	1547 14	7894 32	9441 46		F. J. Watt	H. C. Eyre	April 2
Randolph st., from Poplar st. to Girard ave.	2 ft. 6 in. circumf.	260.13	2	87 00	10	40 00	21	5	1 97	619 53	83 95	703 48		T. A. Brackney	John Noonan	May 18
Rittenhouse st., from Wayne to Pulaski ave.	2 ft. 3 in. x 1 ft. 6 in.	314			3	25 00			1 10	2835 82		2835 82	66	Aug. Durr	Jos. Johnson	May 25
	12-inch pipe	1178	3	81 00	7	25 00			2 19	593 81		1179 20		S. H. Colborn	D. McMahon	Sept. 17
	12-inch pipe	403	3	81 00	4	25 00			2 40							

## Length and Cost of Sewers Built during the year 1888—Continued.

Location.	Size.	Length in feet.	INLETS.		MANHOLE'S		WELLHOLES.			Cost per foot.	PAYMENT.		Total cost.	Excess bills and balances.	Inspectors.	Contractors.	Date of final estimate.
			No. built.	Cost each.	No. built.	Cost each.	No. built.	Per foot.	Total cost.		In assess-ment bills.	In city warrants.					
Redner st., from Twenty-fourth to Twenty-third sts.	2 ft. 3 in. x 1 ft. 6 in. 12-inch pipe.	435			3	\$25 00				\$2 25	\$1080 35	\$1080 35	\$7 65	Geo. Moore.....	P. C. & J. McEntee.....	Sept. 27	
Robinson st., from Eyre to Palmer sts.	3 ft. 0 in. x 2 ft. 0 in.	200	2	\$87 00	2	25 00				2 23	416 73	\$340 21		F. G. Ballentine.....	J. G. Conklin.....	Dec. 10	
Susquehanna ave., from Seventeenth to Eighteenth sts.	3 ft. 0 in. x 2 ft. 0 in.	408	2	87 00	2	25 00				2 10	833 00	225 00		E. H. Sickels.....	John M. Donnelly.....	Feb. 2	
Susquehanna ave., from Sixteenth to w. h. l. of Seventeenth sts., to Park ave. or Diamond st.	3 ft. 0 in. x 2 ft. 0 in. 2 ft. 3 in. x 1 ft. 6 in.	470 548	2	81 00	7	35 00				2 07 1 96	2147 00	236 98		E. H. Sickels.....	H. P. McTague.....	Mar. 15	
Sommerville st., from Tenth to Eleventh sts.	2 ft. 3 in. x 1 ft. 6 in.	361.5	3	81 00	2	25 00				2 15	908 22		19 78	Jos. Hunter.....	P. C. & J. McEntee.....	April 21	
Somerset st., from Sixth to Seventh sts.	15-inch pipe.	479.75			4	25 00				2 25	553 14	626 23		N. B. Beam.....	Geo. W. Ruch.....	April 24	
Seventeenth st., from Addison to Lombard sts.	12-inch pipe.	113			1	25 00				1 89	216 56	22 07		S. R. Franklin.....	H. S. Hong.....	May 1	
Spring Garden st., from Thirdly-seventh to Thirdly-eighth	2 ft. 3 in. x 1 ft. 6 in. 12-inch pipe.	213 14	1	25 00	1	25 00				2 09 1 19	465 40		133 60	T. A. Braekney.....	John Noonan.....	May 2	
Sixth st., from Barclay to Spruce sts.	2 ft. 3 in. x 1 ft. 6 in. 12-inch pipe.	224.5 19	1	25 00	1	25 00				2 49 1 10	511 75	93 15		W. P. Brown.....	H. Smart.....	May 5	
Second st., from Pine to South sts.	3 ft. x 2 ft.	672	3	81 00	4	25 00				2 65	896 49	1227 34		C. R. Van Horn.....	R. Patton & Co.....	May 7	
Spruce st., from Twelfth to Thirteenth sts.	3 ft. x 2 ft.	390	3	81 00	3	25 00				2 10	1036 00		22 59	Wm. J. Little.....	Edward McCann.....	May 16	
Stones st., fr. Twenty-second to Twenty-third sts., and on Twenty-third st., from Simes to Market sts.	2 ft. 3 in. x 1 ft. 6 in. 12-inch pipe.	151 286.5	3	81 00	3	25 00				2 14 1 73	1686 18		5 26	E. H. Sickels.....	H. S. Hong.....	May 24	



*Length and Cost of Sewers Built during the year 1888—Continued.*

Location.	Size.	Length in feet.	INLETS.		MANHOLE'S WELLHOLES.		Cost per foot.	PAYMENT.		Total cost.	Excess bills and balances.	Inspectors.	Contractors.	Date of final estimate.
			No. built.	Cost each.	No. built.	Cost each.		In assessment bills.	In city warrants.					
Spring Garden st., from Fortieth to Preston sts.	2 ft. 3 in. x 1 ft. 6 in.	427			3	\$25 00		\$828 78	\$162 26	\$975 98		N. B. Beam	John Noonan	May 25
Spring Garden st., fr. Thirty-ninth st. eastward to 100 feet west of Thirty-eighth st.	2 ft. 3 in. x 1 ft. 6 in.	516			4	25 00		1109 38	19 92	1129 30		N. B. Beam	John Noonan	June 7
Susquehanna av., from Fifteenth to Sixteenth sts.	3 ft. x 2 ft.	428.66			3	25 00		890 57	168 93	1059 50		Jos. Hunter	P. & T. McEntee	June 8
Spring Garden st., fr. Thirty-fifth to Thirty-sixth sts.	2 ft. 3 in. x 1 ft. 6 in.	410			3	25 00		913 40		913 40			John Noonan	June 15
Susquehanna av., from Orleans to Third sts.	3 ft. x 2 ft.	155	2	\$87 00	2	25 00		367 49	268 96	636 45		W. P. Brown	Jos. Johnson	June 18
South st., from Nineteenth to Twentieth sts.	2 ft. 3 in. x 1 ft. 6 in.	458.75	3	81 00	3	25 00		1156 07		1156 07			James Deehan	June 19
Sixth st., from Norris to Diamond sts.	3 ft. x 2 ft.	480			3	25 00		1107 00		1107 00			P. & T. McEntee	July 6
Susquehanna av., from 120 ft. east of Girard avenue.	12 inch pipe.	120			1	25 00		249 40		249 40			J. G. Conklin	July 17
Spring Garden st., from Tenth to Eleventh sts.	8 ft. x 2 ft.	434			3	25 00		565 44	517 24	1112 68			H. C. Eyre	July 28
Sumac st., from Bridge ave. to Vicaris st.	2 ft. 6 in. circumf.	2215.91	2	87 00	8	25 00	22	5856 13	6743 87	12600 00			H. C. Eyre	Aug. 8
Second st., from Beaver to Canal sts.	2 ft. 3 in. x 1 ft. 6 in.	380	3	81 00	2	25 00		795 20		795 20			J. G. Conklin	Sept. 25
Second st., from Monroe to Blairbridges.	12-inch pipe.	336	3	81 00	2	25 00		850 67	49 41	900 08			E. H. Sicksels	Sept. 26
Seventeenth st., from Susquehanna ave. to York st.	3 ft. x 2 ft.	1130	3	81 00	6	25 00		2734 00		2734 00			H. Smart	Sept. 26

## Length and Cost of Sewers Built during the year 1888—(Continued).

Location.	Size.	Length in feet.	INLETS.		MANHOLE'S		WELLHOLES.			Cost per foot.	PAYMENT.		Total cost.	Excess bills and balances.	Inspectors.	Contractors.	Date of final estimate.
			No. built.	Cost each.	No. built.	Cost each.	No. feet built.	Per foot.	Total.		In assessments.	In city warrants.					
Sauson st., from Forty-third } to Forty-second st. .... }	2 ft. 3 in. x 1 ft. 6 in. 12-inch pipe.....	628 32	2	\$81 00	4	\$25 00	15	5	\$75 00	\$3 49 1 10	\$1088 73	\$2563 92		N. B. Bean.....	John Noonan.....	Oct. 1	
Snedley st., from Westmore- land to Ontario sts.	12-inch pipe.....	542			4	25 00				1 95	1156 90	1156 90	\$98 10	John G. Moore.....	J. McFarland.....	Oct. 15	
Seventeenth st., from Master to Jefferson sts.....	2 ft. 3 in. x 1 ft. 6 in. 12-inch pipe.....	497 18			3	25 00				1 10 1 10	1089 10	1089 10	279 92	Wm. Yetter.....	Geo. W. Hansell.....	Oct. 20	
Sixteenth st., from Wharton to Federal sts., and on Federal st., from Seven- teenth to Eighteenth sts.....	3 ft. 6 in. x 2 ft. 4 in. 12-inch pipe.....	1015 12	4	81 00	7	25 00				2 13 1 10	2418 14	2674 15		James Dugy.....	H. Smart.....	Oct. 29	
Shamokin st., from Twenty- second to Barney sts.....	3 ft. x 2 ft.....	236	2	81 00	1	25 00				3 33	503 98	972 00		Thos. Cooper.....	H. S. Hong.....	Nov. 8	
Spruce st., from Forty-third to Forty-fifth sts.....	2 ft. 3 in. x 1 ft. 6 in. 12-inch pipe.....	794.4 128	2	81 00	4	25 00				3 25 2 74	1971 87	2853 55		W. Penn Brown	James Deeban.....	Nov. 13	
Sixth st., from St. Mary to South sts.....	12-inch pipe.....	20			1	25 00				1 10		397 72		George Moore.....	D. M. Smart.....	Nov. 13	
School st., from Wayne st. to German town av.....	3 ft. 6 in. x 2 ft. 4 in. 3 ft. 8 in. x 2 ft. 2 in. 12-inch pipe.....	727.5 1187.5 20	6	81 00	10	25 00				2 97 2 97 1 10	4060 59	6471 04		John Able, Jr..... D. J. Davis.....	John Nolan.....	Dec. 14	
Scott or Wilder st., from Eighth to Ninth sts.....	3 ft. 0 in. x 2 ft. 0 in. 12-inch pipe.....	427.75 6	1	81 00	8	25 00				1 10	971 26	1146 42		T. A. Brackney.....	James Deegan.....	Dec. 19	
Tiernan st., from Tasker st. northward.....	3 ft. 0 in. x 2 ft. 0 in.	272			1	25 00				1 88	536 36	536 36		Jas. Duffy and Geo. Moore.....	T. P. Smart.....	Jan. 28	
Thirty-first st., from Baring to Spring Garden sts.....	2 ft. 3 in. x 1 ft. 6 in.	539	1	87 00	4	25 00				4 29	1294 46	1204 85		Jas. Duffy.....	John McFarland.....	April 25	
Thirty-sixth st., from Haver- ford to Wallace sts.....	2 ft. 3 in. x 1 ft. 6 in.	419.7	2	81 00	3	25 00				2 09	879 99	263 88		Jas. Duffy.....	John McFarland.....	April 27	

*Length and Cost of Sewers Built during the year 1888—(Continued).*

Location.	Size.	Length in feet.	INLETS.			MANHOLE'S WELLHOLES.			Cost per foot.	PAYMENT.		Total cost.	Excess bills and balances.	Inspectors.	Contractors.	Date of final esti- mates.
			Size.	No. built.	Cost each.	No. built.	Cost each.	No. built.		Cost each.	In assump- tion bill.					
Townsend st., from Cedar to Memphis sts.	8 ft. 0 in. x 2 ft. 0 in.	40				3	\$25 00		\$2 87	\$1009 90	\$88 77	\$1049 07		John Vicary.....	W. B. M. Conklin.	May 9
Twentieth st., from Market to Johnson sts.	12-inch pipe.	5 1/2							1 10							
Twenty-ninth st., from Sus- quehanna to Ridge aves.	2 ft. 3 in. x 1 ft. 6 in.	336.58	3	\$81 00		2	25 00		2 08	609 19	218 32	917 98		E. H. Sickels.....	T. P. Smart.....	May 15
Tenth st., from the sewer in Berks st. to the s. c. of Hart st., and on Hart st. to 14 ft. east of Warnock st.	3 ft. 0 in. x 2 ft. 0 in.	942.5	3	81 00		6	25 00		2 18	1949 36	461 03	2410 42		Jas. Duffy.....	John McFarland.....	May 22
Thirty-first st., from Ridge ave. to the sewer in Sus- quehanna ave., and from the middle of Susquehanna ave. to the sewer in Dau- phin st.	12-inch pipe.	9							1 10							
Thirty-fourth st., from Fair- mount av. to Haverford st.	2 ft. 3 in. x 1 ft. 6 in.	317	3	81 00		2	25 00		2 20	728 50	74 90	803 40		D. J. Davis.....	Henry Smart.....	May 28
Tashassa st., fr. Ninth to Tenth sts.	2 ft. 6 in. x 1 ft. 6 in.	807	3	81 00		5	25 00		2 00	1377 87	442 13	1820 00		Wm. Yetter.....	Geo. W. Hansell.....	June 15
Twentieth st., from Dauphin to York sts.	12-inch pipe.	36							1 10							
Twenty-ninth st., from Sus- quehanna ave. to Her- man st.	2 ft. 3 in. x 1 ft. 6 in.	837	4	81 00		6	25 00		2 18	1849 88	446 53	2296 41		Jas. Duffy.....	James Deehan.....	June 22
Twentieth st., from Dauphin to York sts.	2 ft. 3 in. x 1 ft. 6 in.	440	3	81 00		2	25 00		2 05	965 17	67 83	1033 00		Wm. P. Brown.....	John McFarland.....	July 19
Twenty-ninth st., from Sus- quehanna ave. to Her- man st.	3 ft. 0 in. x 2 ft. 0 in.	541	3	81 00		2	25 00		2 20	1200 00	227 20	1427 20		Jos. Hunter.....	P. C. & T. McEntee	July 27
Twentieth st., from the sewer in Dauphin st. to the n.e. c. of Susquehanna ave.	12-inch pipe.	68							1 00							
	2 ft. 3 in. x 1 ft. 6 in.	850	3	81 00		5	25 00		1 95	2086 86	80 65	2167 51		Wm. Yetter.....	Geo. W. Hansell.....	July 30
	2 ft. 3 in. x 1 ft. 6 in.	561	3	81 00		8	25 00		1 97	645 00	607 17	1242 17		John G. Moore.....	John McFarland.....	Aug. 9

## Length and Cost of Sewers Built during the year 1888—(Continued).

Location.	Size.	Length in feet.	INLETS.			MANHOLE'S WELLHOLES.			Cost per foot.	PAYMENT.		Total cost.	Excess bills and balances.	Inspectors.	Contractors.	Date of final estimate
			No. built.	Cost each.	No. built.	Cost each.	No. built.	Per foot.		Total cost.	In assessment bills.					
Twenty-eighth st., from Mt. Pleasant to Jefferson st.	3 ft. x 2 ft.	1,188	3	881 00	7	825 00			\$2 00	\$2,652 00		\$2,652 00		James Deehan.....	Aug. 17	
Twenty-first st., between Allegheny ave. and s. c. l. of Ontario st.	12-in. pipe. 8 ft. x 2 ft.	20 536	3	81 00	3	25 00			1 10 2 25	983 83	\$481 67	1,465 00		John G. Moore. Jno. McCormick	Aug. 18	
Twenty-first st., from Market st. 100 ft. s. from Chestnut st.	12-inch pipe. 12-inch pipe.	5 112			1	25 00			1 10 1 84	164 00	72 58	236 58		E. H. Sickels.....	Aug. 20	
Twenty-first st., from Catholic to Filbert sts.	12-inch pipe. 12-inch pipe.	8 197			1	25 00			1 10 1 84	285 88		285 88		H. Smart.....	Aug. 20	
Thompson st., from Eighth to Nineteenth sts.	3 ft. x 2 ft.	412	3	81 00	2	25 00			1 82	880 84		880 84		Burns & Higgins.....	Aug. 28	
Tenth st., from Dauphin to Nevada sts., thence on Nevada to sewer on Eleventh	12-inch pipe. 2 ft. 3 in. x 1 ft. 6 in.	15 421.5	3	81 00	3	25 00			1 10 2 30	954 45	187 50	1,141 95		S. R. Franklin.....	Aug. 29	
Twelfth st., from Lehigh ave. to Somerset st.	2 ft. 3 in. x 1 ft. 6 in.	557	3	81 00	4	25 00			1 93	773 98	250 00	1,023 98		Joe. Hunter.....	Sept. 27	
Twenty-ninth st., from Thompson to Jefferson sts.	12-inch pipe. 3 ft. x 2 ft.	9 978	2	81 00	6	25 00			1 10 2 26	2,244 63	635 55	2,880 18		Jas. McGill.....	Nov. 12	
Thirty-seventh st., from Centre to Filbert sts.	12-inch pipe. 2 ft. 3 in. x 1 ft. 6 in.	27 185	2	87 00	2	25 00			1 10 2 03	455 25		455 25		Jas. Duffy.....	Nov. 27	
Tioga st., from Broad st. to Germantown ave.	12-inch pipe. 2 ft. 3 in. x 1 ft. 6 in.	9 583	3	81 00	4	25 00			1 90	955 98	842 62	1,298 60		John Vicary.....	Dec. 17	
Tenth st., from Germantown ave. to Camberland st.	2 ft. 3 in. x 1 ft. 6 in.	266.5	2	81 00	2	25 00			2 23	605 46	88 83	644 29		John Vicary.....	Dec. 20	
Twenty-seventh st., from Sedgley ave. to Susquehanna ave.	12-inch pipe. 2 ft. 3 in. x 1 ft. 6 in.	42 337			3	25 00			1 10 1 87	751 39		751 39		Jos. Hunter.....	Dec. 24	
													111 03	Fred. Starke.....		

*Length and Cost of Sewers Built during the year 1888—(Continued).*

Location.	Size.	Length in feet.	INLETS.		MANHOL'S		WELLSHOES.			PAYMENT.		Total cost.	Excess bills and balances.	Inspectors.	Contractors.	(Date of final) (Estimate)
			No. built.	Cost each.	No. built.	Cost each.	No. feet.	Per foot.	Total cost.	In assessment bills.	In city warrants.					
Turner st., from Erie to Butler sts.....	8 ft. 0 in. x 2 ft. 0 in.	603.4	2	\$87 00	5	\$25 00	10	5	\$50 00	\$2 27	\$1326 51	\$404 27	\$1730 78	Jas. Duffy.....	John M. Donnelly	Dec. 27
Vine st., from Tenth to Eleventh sts.....	12-inch pipe.	31								1 10						
Venango st., from Eighteenth to Twentieth sts.....	8 ft. 0 in. x 2 ft. 0 in.	420.75	3	81 00	3	25 00				2 49	1136 52	101 24	1237 76	John Vicary.....	W. B. M. Conklin.	Nov. 13
Venango st., from Twentieth to Twenty-second sts, and on Twenty-second st. to Hunting Park ave.....	8 ft. 6 in. x 2 ft. 4 in.	845	3	81 00	2	25 00	14.5	5	72 50	2 87	2224 00	467 29	2691 29	John G. Moore.....	John McParland.	Aug. 22
Wakefield st. and Wisteria ave. to the Philadelphia and Germantown ave.....	12-inch pipe.	73								1 10						
Woodland ave., from Forty-third to Forty-seventh sts.	2 ft. 3 in. x 1 ft. 6 in.	1590.25	3	81 00	3	25 00	7652	5	382 50	8 87	3508 46	11215 95	14724 41	John G. Moore.....	John McParland.	Dec. 5
Warren st., between Thirty-third and Thirty-fourth sts.	2 ft. 6 in. x 1 ft. 8 in.	858								2 60						
Willey st., from Susquehanna ave. to Vienna st.....	4 ft. 0 in. x 2 ft. 8 in.	435								8 90						
Waterloo st., from Columbia to Montgomery aves.	4 ft. 3 in. x 2 ft. 10 in.	382								7 43						
Warren st., between Rebeca and Forty-first sts.	4 ft. 6 in. x 3 ft. 0 in.	452								9 42						
Willey st., from Susquehanna ave. to Vienna st.....	4 ft. 0 in. x 2 ft. 8 in. (s.b.)	186	3	81 00						8 69						
Woodland ave., from Forty-third to Forty-seventh sts.	4 ft. 0 in. x 2 ft. 8 in. (r.f.)	186	1	96 00	12	25 00	84	5	420 00	13 80	5912 68	13028 09	17940 77	John Abie. Jr.....	H. C. Eyre.....	March 1
Warren st., between Thirty-third and Thirty-fourth sts.	2 ft. 6 in. x 2 ft. 4 in.	580								7 95						
Willey st., from Susquehanna ave. to Vienna st.....	2 ft. 3 in. x 2 ft. 2 in.	497	3	81 00	6	25 00				7 95	2544 89	6921 31	8865 20	S. Cox & J. Duffy	John McParland.	April 23
Waterloo st., from Columbia to Montgomery aves.	2 ft. 3 in. x 1 ft. 6 in.	326								2 27						
Warren st., between Rebeca and Forty-first sts.	12-inch pipe	24								1 10						
Willey st., from Montgommery ave. to Vienna st.....	8 ft. 0 in. x 2 ft. 0 in.	318	2	87 00	3	25 00				2 21	507 46	444 32	951 78	T. A. Brackney.....	John Noonan.....	May 3
Waterloo st., from Columbia to Montgomery aves.	8 ft. 0 in. x 2 ft. 0 in.	633								2 37	1600 21		1600 21	Jas. McGILL.....	W. B. M. Conklin.	May 31
Warren st., between Rebeca and Forty-first sts.	12-inch pipe.	12								2 37						
Willey st., from Montgommery ave. to Vienna st.....	2 ft. 3 in. x 1 ft. 6 in.	477								1 10						
Willey st., from Montgommery ave. to Vienna st.....	12-inch pipe.	9								1 10						
Willey st., from Vienna st.....	3 ft. 0 in. x 2 ft. 0 in.	357	3	81 00	8	25 00				2 09	721 28	190 75	912 03	John Vicary.....	W. H. Yoast.....	Oct. 4

## Length and Cost of Sewers Built during the year 1888—Continued.

Location.	Size.	Length in feet.	INLETS.		M'NHOLES		WELL HOLES.			Cost per foot.	PAYMENT.		Total cost.	Excess bills and balances.	Inspectors.	Contractors.	Date of final estimate.
			No. built.	Cost each.	No. built.	Cost each.	No. built.	Per foot.	Total cost.		In assessments bills.	In city warrants.					
Warren st., from Sloan to Barling sts.....	2 ft. 3 in. x 1 ft. 6 in.	658	2	\$81 00	4	\$25 00				\$1 97	\$1649 45	\$8 81	\$1558 26		N. B. Beaman.....	John Noonan.....	Oct. 8
Wellington st., from sewer in Jasper st. to s. c. l. of Kensington ave.....	2 ft. 6 in. x 1 ft. 8 in.	568.58	1	87 00	4	25 00				2 00	1324 16		1324 16	161 21	Aug. Darr.....	W. H. Yeast.....	Dec. 18
Woodbine st., from Willow to Wilson st. or Magnolia ave.....	15-inch pipe.....	40	1	87 00						1 35	1317 69	407 51	1725 20		S. H. Colton.....	John Nolan.....	Dec. 17
York st., from Fifteenth to Sixteenth sts.....	3 ft. 0 in. x 2 ft. 0 in.	452.67	1	96 00	2	25 00				2 35	988 05	231 71	1219 76		Jos. Hunter.....	John McParland.....	June 7
York st., from Sedgley ave. to Twenty-fourth st.....	2 ft. 3 in. x 1 ft. 6 in.	245	2	81 00	2	25 00				2 18	475 62	270 48	746 10		Geo. Moore.....	P. C. & T. McEntee	Oct. 15
York st., from Twenty-seventh to Twenty-ninth sts.....	2 ft. 6 in. x 1 ft. 8 in.	819	3	81 00	6	25 00				1 89	1804 34	111 57	1915 91		W. J. Little.....	John Bonbage.....	Dec. 15

*Branch Sewers in Progress, but not Completed in 1888.*

Location.	Size.	Length in feet.	INLETS.		M'NHOLES		WELLHOLES.			Cost per foot.	PAYMENT.		Total cost.	Fees bills and balances.	Inspectors.	Contractors.	Date of final estimate.
			No. built.	Cost each.	No. built.	Cost each.	No. built.	Per foot.	Total cost.		In assess-ment bills.	In city warrants.					
Sixth st., from the sewer in Clearfield st., to the Connecting Railway.....	3 ft. cir.....	700								\$7 00	\$3920 00				C. R. Van Horn. W. H. H. Achuff.		
Haverford st., from the sewer west of Forty-sixth st. to Forty-sixth st., and on Forty-sixth st., from Haverford st., to Fairmount ave., on Fairmount ave., from Forty-sixth to Forty-third st., and on Forty-fourth st., from Fairmount ave. to Seneca st.....	4 ft. 9 in. x 2 ft. 8 in. 3 ft. 6 in. x 2 ft. 4 in. 2 ft. 3 in. x 1 ft. 6 in.	668 667 406								5 10 2 99 2 10	\$3623 59 1379 49				N. B. Beam..... John Noonan.		

Branch Sewers Completed in 1888, but Final Estimate in 1889.

Location.	Size.	Length in feet.	INLETS.			MANHOLE'S.			WELLHOLES.			Cost per foot.	PAYMENT.		Total cost.	Excess bills and balances.	Inspectors.	Contractors.	Date of final estimate.
			No. built.	Cost each.	No. built.	Cost each.	No. built.	Cost each.	No. built.	Per foot.	Total cost.		In city warrants.	In arrears bills.					
Ann st., from Eighteenth st. to a point 144 ft. west of Nineteenth st.	15-in pipe 12-in pipe	450.68 171.75	3	1	881 00	2	2	25 00 40 00				\$2 69 2 26		\$1827 71	\$1827 71	Jno. McCormick	H. S. Hong	Jan. 8	
Ann st., from Seventeenth to Eighteenth sts.	3 ft. 0 in. x 2 ft. 0 in.	445				2	2	25 00				3 40		1573 20	1573 20	Jno. McCormick	D. M. Smart	Jan. 7	
Emily st., from Eleventh to Twelfth sts.	3 ft. 0 in. x 2 ft. 0 in.	429.75	3	1	81 00	3	3	25 00				2 38	\$1047 05	131 75	1178 80	Wm. Yetter	D. M. Smart	Jan. 9	
Forty-fifth st., from Sanson to Market sts.	2 ft. 6 in. x 1 ft. 8 in.	500				4	4	25 00	16.8	5 00	\$84 00	3 23	1462 67	1305 33	2768 00	W. P. Brown	R. F. Shebire	Jan. 5	
Fifteenth st., from Ellsworth to Federal st.	3 ft. 0 in. x 2 ft. 0 in.	385.53	3	2	81 00	3	3	25 00				2 00	877 83	109 00	977 83	Jno. McCormick	H. Smart	Jan. 10	
Girard ave., from W. College ave. to Toney st.	12-in. pipe 2 ft. 3 in. x 1 ft. 6 in.	14 490	3	1	81 00	2	2	25 00				1 10 1 93	493 48	598 62	1092 10	E. H. Sickels	Jno. Bonhage	Jan. 8	
Master st., from the sewer in Fifty-first st. westward 250 ft.	2 ft. 3 in. x 1 ft. 6 in.	273.5	3	1	81 00	2	2	25 00				2 43	677 99	117 61	795 60	H. M. Smith	H. S. Hong	Jan. 8	
Morris st., from Sixteenth to Seventeenth sts.	3 ft. 0 in. x 2 ft. 0 in.	463	3	0	81 00	3	3	25 00				1 98 1 10	680 00	797 74	1477 74	W. J. Little	H. Smart	Jan. 10	
Pearl st., from Sixteenth to Seventeenth sts.	12-in. pipe 3 ft. 0 in. x 2 ft. 0 in.	9 427	3	1	81 00	3	3	25 00				2 96	1069 02	350 80	1429 82	T. D. Hooper	W. P. Clement	Jan. 11	
Tenth st., from Ontario to Toga st.	3 ft. 0 in. x 2 ft. 0 in.	544.75	3	1	81 00	4	4	25 00				2 60	1320 04	364 31	1684 35	T. Cooper	H. S. Hong	Jan. 9	
Sedgley ave., from Ridge to Susquehanna aves.	12-in. pipe 3 ft. 0 in. x 2 ft. 0 in.	21 1516.5	2	1	87 00	9	9	25 00				1 10 1 89	3153 16	309 12	3462 28	Wm. Yetter Jos. Hunter	Geo. W. Hansell	Jan. 10	
Sedgley ave., from Dauphin to York st.	12-in. pipe 2 ft. 3 in. x 1 ft. 6 in.	23 733	3	4	87 00	5	5	25 00				1 10 1 90	1625 32	335 53	1960 90	S. R. Franklin	Fred. Starke	Jan. 14	
Twenty-second st., from Kin- ball st. to Washington ave.	3 ft. 0 in. x 2 ft. 0 in.	353.58	3	2	81 00	2	2	25 00				2 70	679 97	494 80	1174 77	Jas. McGill	Jno. Fullerton	Jan. 3	



