

R E P O R T

of the

WATERING COMMITTEE

to the

SELECT AND COMMON COUNCILS.

READ JANUARY 22, 1818.

PUBLISHED BY ORDER OF THE COUNCILS.

Philadelphia:

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1818.

R E P O R T

of the

W A T E R I N G C O M M I T T E E.

THE Watering Committee present their Annual Report to the Select and Common Councils.

During the past year some progress has been made in the enlargement of the wood-yard, but from the confined situation of the quarry, the advancement in the work is necessarily tedious.

The coping of the wall round the Reservoir has not been done, but it will probably be completed during the next summer.

After a full trial of the Engine constructed by Oliver Evans, it has been found to perform equal to his contract, and the Committee have therefore accepted it, and have paid him the balance of his account. The Old Engine remains on hand, although no means have been left untried for its disposal.

The past year has added new proof to the experience of the Committee, of the perishing condition of the Wooden Logs, which will all require to be renewed in the course of a very few years; and although the cost in the first instance will be greater, yet the Committee are inclined to believe the ultimate saving will be very considerable by the substitution of Iron Pipes, and much pains have been

taken to procure the best information as to their construction. A trial has been made of four hundred feet, which appears to answer well.

Not only is it necessary to ascertain the best mode of constructing and laying the pipes, and of the stop cocks, &c.; but it is also important to pursue a system in laying the pipes of a size adequate to supply the City at a future period, when a much larger quantity of water will be required than at the present moment.

It is understood that after many years experience (from having commenced with an improper system) it has been found necessary by the New River Water Works, in London, to relay their pipes at an expense which has reduced the value of their Stock, from thirteen thousand to six thousand pounds sterling, per share.

The extent of Pipes laid in this City already exceeds thirty-two miles, independent of the Mains leading from the Reservoir.

Models of pipes, &c. have been ordered from England, and the necessary information has been written for; but the Committee are so well satisfied that the information derived by a correspondence for years, cannot equal the personal observation of a practical man in the course of a few weeks, that they propose to send the present Superintendant to London early in the spring, to obtain on the spot the best knowledge of the subject.

A lot has been purchased on Cherry street, between Ninth and Tenth Streets, which has been paid for, and the amount is charged in the accounts now submitted. The erection of the necessary buildings for work shops is contemplated to be done during the ensuing summer.

The ground belonging to the City at Fair Mount, has been enclosed with a post and rail fence.

The annexed account No. 1, exhibits the disbursements since last report, for completing and carrying on the Water Works, amounting to fifty-one thousand three hundred and eighty-nine dollars, twenty-six cents.

No. 2, exhibits the amount paid into the Treasury during the last year by the Superintendant for materials sold.

No. 3, shows the quantity of pipe, laid during last year, with the quantity remaining on hand.

No. 4, contains the estimate for completing the Fair Mount Water Works, and for carrying on the same, during the current year, amounting to, \$45,125 00

Towards which there remains an authority to borrow 2000 dollars, being the residue of the loan of 30,000 dollars, authorized by ordinance, of which 13,000 dollars remained at the date of the last report, and 11,000 dollars has since been borrowed, leaving,

2,000 00
43,125 00

to be provided for,

In part of the above sum, the following may be applied:

The unexpended balance of monies appropriated for the support of the Works last year, \$ 2,148 45

The amount received for the lot on Market street, sold, and by ordinance the proceeds to be placed to the credit of the Water Works, 3,400 00

Monies paid into the Treasury by the Superintendant, per account No. 2, 2,067 81

469. (1817, page 5.)

Brought forward, \$43,125 00

Amount of duplicates of Water Rent,
per statement No. 5, \$18,119 52

Water Rents in advance, received
during the year 1817 by the City Clerk,
and paid into the Treasury, 630 37
Amount to be appropriated, - - - - - 26,366 15
\$16,758 85

No. 6 exhibits the number of dwellings, &c. supplied, by
which it appears that 3254 houses and manufactories, 174 stalls for
horses, and 256 private baths are supplied with Schuylkill water.

By order of the Committee,

JOSEPH S. LEWIS, Chairman.

No. 1.

LIST OF CERTIFICATES FOR MONIES

Drawn by the

WATERING COMMITTEE

for

FAIR MOUNT WORKS.

From Dec. 31, 1816, to Dec. 31, 1817.

No.	1817.		Dolls.	C.	Dolls.	C.
146	Feb.	1	In favour of Frederick Graff, Clerk of the Water Works,		885	16
147	March	1	Ditto, - - - - -		954	28
148		11	Ditto, - - - - -		2000	
149	April	1	Ditto, - - - - -		1676	48
150		26	Ditto, - - - - -		650	
151	May	1	Ditto, - - - - -		2366	73
152		2	Ditto, - - - - -		686	80
153		10	Ditto, - - - - -		650	
154		21	Ditto, - - - - -		1925	
155	June	2	Ditto, - - - - -		1584	21
156		13	Ditto, - - - - -		650	
157		20	Ditto, - - - - -		1250	
158		25	Ditto, - - - - -		3000	
159	July	1	Ditto, - - - - -		870	90
160			Ditto, - - - - -		2115	66
161		21	Ditto, - - - - -		650	
162	Aug.	1	Ditto, - - - - -		1720	46
163		6	Ditto, - - - - -		1250	
164	Sep.	1	Ditto, - - - - -		2090	63
165		11	Ditto, - - - - -		1247	12
166	Oct.	1	Ditto, - - - - -		2937	48
167	Nov.	1	Ditto, - - - - -		3041	10
168	Dec.	1	Ditto, - - - - -		1550	91
169		12	Ditto, - - - - -		3158	53
170		15	Ditto, - - - - -		9000	
171			Ditto, - - - - -		1183	06
172			Ditto, - - - - -		521	15
173			Ditto, - - - - -		1773	60
					51,389 26	

A B S T R A C T O F P A Y M E N T S
MADE UNDER THE
FOREGOING CERTIFICATES.

ENGINE and PUMP.

No.	1817.		Dolls.	C.	Dolls.	C.
148	Mar.	11	Oliver Evans, on account of pump and materials, - - - -	2000		
169	Dec.	12	Ditto balance for pump and materials, - - - - - - - -	2500		
170		15	Ditto balance for engine and materials, - - - - - - - -	9000		
					13,500	00
----- BUILDINGS.						
166	Oct.	1	George G. Leiper, for curb and large building stone,	91	10	
173	Dec.	29	John R. Griffiths, for re- pairs to slate roof and materials,	18	25	
					109	35
----- DISTRIBUTION.						
146	Feb.	1	Wages of workmen, for January 1817, - - - - - - - - -	491	79	
147	March	1	Ditto, for February Edmund Kinsey, for repairs of harness, for 1815 and 1816, - - - - - - - - -	517	39	
			William Somerville, for sundry castings, - - - - - - - - -	7	27	
					14	56

No.	1817			Dolls.	C.	Dolls.	C.
147	March	1	Joseph Sexton, for 0 cwt. 2 qr. 0 lb. spike rods,	4	50		
149	April	1	Wages of workmen, for March, Henry Voight, for plumber's work for 1815 and 1816, - -	544	14	14	72
			Richard Smith, turning pat- terns and pump work, - - -	15	56		
			Joseph Peirson, for 125 bun- dles of straw and 1 load of hay, - - - - -	42	87		
			William Piersol and Co. for sundry iron, - - - - -	71	56		
			George and Jacob Peterman, for horse feed, to March 25th, 1817, - - - - -	38	33		
			Jonas Smith, for sundry haul- ing, - - - - -	25	25		
151	May	1	Stogdell Stokes, for repairs to waggon, and for 36 pick handles, - - - - -	16			
			Samuel Richards, for 68 pipes, 8 t. 10 cwt. 2 qr. 12 lb. at 120 dollars, - - - - -	1023	65		
			Jonas Smith, for sundry haul- ing in April, - - - - -	15			
			Israel Roberts, for 24 copper balls for pumps, - - - - -	48			
151			Wages of workmen, for April,	514	77		
152		2	Elizabeth Foulke, for 6 months' rent of stable and shop, - - - - -	20			
155	June	2	Ebenezer Betts, for nails, &c., from October 13, 1816, to May 26, 1817, - - - - -	23	74		
			Jonas Smith, for sundry haul- ing in May, - - - - -	38	25		
			Wages of workmen, for May, - -	805	13		
159	July	1	John Keim, for 200 bushels of coals, at 37 1/2 cents, and hauling, - - - - -	79			
			Thomas Richards, 2 t. 0 cwt. 1 qr. 14 lb. of cock frames and covers, at 90 dollars,	181	68		
			Conarroe and Co. for 4,828 feet of boards, plank and hauling, - - - - -	139	38		
			William Thomas, for 25 bush- els of coals, at 37 1/2 cents, - - - - -	9	37		
			Richard Smith, for turning pump work, - - - - -	24	17		
			Mark Richards, for 15 cwt. 3 qr. 25 lb. of band iron, at 5 dollars 50 cents, - - -	87	86		
			Jonas Smith, for hauling iron pipes in June, - - - - -	5			
			Frederick Graff, for bills paid from January 1, to July 1, 1817, - - - - -	22	57		

No.	1817			Dolls.	C.	Dolls.	C.
160	July	1	Wages of workmen, for June,	877	91		
162	Aug.	1	John Munion, for repairs of cart, - - - - -	7			
			William Hilsee, for 3 wheel barrows, - - - - -	11	75		
			Jonas Smith, for sundry haul- ing in July, - - - - -	11	25		
			Wages of workmen, for July, -	682	62		
164	Sep.	1	John Munion for repairs of log waggon, and 18 pick handles, - - - - -	13	25		
			Joseph and Daniel Rhoads, and Co., for 515 pannel boards,	23	17		
			Edward Smith, for 12 cwt. 2 qr. 18 lb. of band iron, at 5 dollars 50 cents, - - - - -	69	66		
			William Somerville, for sundry castings, - - - - -	46	20		
			Henry Abbott and Co. for spades and shovels, - - - - -	29			
			Jonas Smith, for sundry haul- ing in August, - - - - -	20			
			William Piersol, for sundry iron, - - - - -	89	18		
			George and Jacob Peterman, for horse feed to August 27, - -	62	31		
			Wages of workmen, for August,	625	51		
166	Oct.	1	Ditto, for September,	744	44		
			Joseph Peirson, for 2 loads of hay, and 62 bundles of straw, - - - - -	46	77		
			Jonas Smith, for sundry haul- ing in September, - - - - -	21	87		
167	Nov.	1	Alexander and William Adams, for whiskey, - - - - -	186	90		
			Ebenezer Betts, for nails, &c. to October 25th, - - - - -	27	41		
			Jonas Smith, for sundry haul- ing in October, - - - - -	58	75		
			Elizabeth Foulke, for 6 months stable and shop rent, - - -	20			
			Wages of workmen, for October,	737	98		
168	Dec.	1	Jonas Smith, for sundry haul- ing in November, - - - - -	32	25		
			William Somerville, for sundry castings, - - - - -	36	88		
			George and Jacob Peterman, for 3,500 bricks, - - - - -	37			
			Stephen Simmons, for 74 feet of heart scantling, - - - -	3	51		
			William White, for flannel for packing fire plugs, &c., - -	35	96		
			Samuel Richards, for sundry iron castings, - - - - -	210	53		
168	Dec.	1	Henry Bell, for sundry lumber and hauling, - - - - -	229	59		
			Wages of workmen, for November,	464	17		

No.	1817			Dolls.	C.	Dolls.	C.
171	Dec.	30	George and Jacob Peterman, in full for horse feed, - - - -	29	86		
			Ebenezer Betts, for spikes, nails, &c., - - - - -	8	47		
			Cartnell and English, for shoeing horse, and for pump work, - - - - -	29	47		
			Rowley and Alberger, for plumber's work, lead pipe, &c. - - - - -	325	98		
			William Piersol and Co. for sundry iron, - - - - -	87	67		
			John Carrell, for ironmongery,	26	40		
172			Jacob Edenborn, for 290 lbs. sole leather, - - - - -	95	70		
			Michael Frick, for 24 pump cocks, - - - - -	36			
			Samuel Wetherill and Son, for paints, oil, &c., - - - - -	30			
			Frederick Graff, for 142 feet of cedar pipes for pumps, -	28	40		
173			Richard Smith, for turning pump nozzles and boxes, - -	10			
			Thomas and John Bornhurst, for 334 lbs. of brass castings, - - - - -	167			
			Joseph Peirson, for 322 bundles of straw, for fire plugs, &c. - - - - -	26	70		
			Jonas Smith, for sundry hauling in December, - - - - -	15	93		
			Wages of workmen, for December, - - - - -	522	65		
				-----		11,744	56

ENGINES.

	1817			Dolls.	C.
146	Feb.	1	Wages of workmen, for January, 1817, - - - - -	234	62
147	March	1	ditto for February, William Somerville, for sundry castings, - - - - -	182	
			Jonas Smith, on account for hauling wood, - - - - -	16	38
149	April	1	Wages of workmen, for March, Jonas Smith, balance for hauling 321 cords of wood,	75	
				258	12
150		26	Caldwell and Fisher, for 100 cords of wood, at 6 dollars 50 cents, - - - - -	5	25
				650	

No.	1817			Dolls.	C.	Dolls.	C.
151	May	1	Jonas Smith, on account of hauling wood, - - - - -	24	50		
			Thomas Morgan, for 30 1/2 gallons neats oil, at 1 dollar 50 cents, - - - - -	45	75		
			Israel Roberts, for repairs of copper pipe, - - - - -	10			
			Wages of Workmen, for April, Henry Nixon, for 6 months rent of wood wharf, - - - - -	232	25		
152		2	Caldwell and Fisher, for 100 cords of wood, at 6 dollars 50 cents, - - - - -	650			
153		10	Caldwell and Fisher, for ditto	650			
154		21	Ditto, for 200 cords at ditto	1300			
			Otto James, for 100 cords of wood, at 6 dollars 25 cents,	625			
155	June	2	Ebenezer Betts, for nails, to May 26, - - - - -	10			
			Jonas Smith, for sundry hauling in May, - - - - -	46	50		
			Ditto on account of hauling wood, - - - - -	50			
			Wages of Workmen, for May, - -	336	87		
156		13	Caldwell and Fisher, for 100 cords of wood, - - - - -	650			
157		20	Otto James, for ditto, ditto,	625			
			Thomas Reilly, for ditto, ditto	625			
159	July	1	Elijah and T. Dalett, for 1518 lbs. of tallow, - - -	221	18		
			Jonas Smith, on account of hauling wood, - - - - -	17	50		
			Alexander Cook, for 105 lbs. of candles, - - - - -	19	82		
160			Caldwell and Fisher, for 100 cords of wood, - - - - -	650			
			Elijah Steel, on account of cording wood, - - - - -	40			
			Jonas Smith, on account of hauling wood, - - - - -	75			
			Wages of Workmen, for June, -	290			
161		21	Caldwell and Fisher, for 100 cords of wood, - - - - -	650			
162	Aug.	1	Jonas Smith, for sundry hauling in July, - - - - -	8	75		
			Ditto, on account for hauling wood, - - - - -	125			
			Wages of Workmen, for July,	308	25		
163		6	Otto James, for 100 cords of wood, - - - - -	625			
			Thomas Reilly, for ditto, - -	625			
164	Sep.	1	William Somerville, for sundry castings, - - - - -	23	03		
			Henry Abbott and Co., for 43 lbs. stove pipe, - - - - -	11			
			Jonas Smith, on account of hauling wood, - - - - -	30			

No.	1817			Dolls.	C.	Dolls.	C.
164	Sep.	1	Wages of Workmen, for August, Otto James, for 100 cords of wood, - - - - -	270	50		
				625			
165		4	Caldwell and Fisher, balance for 1001 3/4 cords of wood,	1247	12		
166	Oct.	1	Wages of Workmen, for Septem- ber, - - - - -	233	99		
			Otto James, balance for 493 cords of wood, - - - - -	550	69		
167	Nov.	1	Alexander and William Adams, for whiskey, - - - - -	43	83		
			Thomas Reilly, for 200 cords of wood, - - - - -	1250			
			Jonas Smith, on account of hauling wood, - - - - -	40			
			Josiah Steel, on account of cording wood, - - - - -	30			
			Henry Nixon, for 6 months rent of wood wharf, - - - - -	150			
			Wages of Workmen, for October,	215	56		
168	Dec.	1	Samuel Richards, for air pump opening, - - - - -	54	11		
			Wages, for November, - - - - -	195			
169		12	Oliver Evans, for working his Engine, from November 10, to December 5, - - - - -	152	59		
			Thomas Reilly, balance for 488 1/4 cords of wood, - - -	505	94		
171		30	John Carrell, for Ironmongery, William Davis, for chandlery, Thomas Morgan, for 53 gallons of neats oil, - - - - -	10	79		
			Elijah and Thomas Dallett, for 1155 lbs. of tallow, - - -	79	50		
172		30	Samuel Wetherill and Son, for paints, oil, whiting, &c. - Alexander Cook, for candles, Mark Richards, for a stove, and pipes for stoves, - - -	157	49		
			Josiah Steel, balance for cord- ing 1983 cords of wood, - -	67	47		
				30	64		
				47	75		
				9	32		
173		30	Jonas Smith, balance for hauling 1300 cords of wood, Thomas and John Bornhurst for 83 lbs. of brass castings, Nathan Smith, for sundry lumber, - - - - -	70			
			Wages of Workmen, for Decem- ber, - - - - -	41	50		
				18	45		
				285	50		
				<hr/>		17,802	51

QUARRYING.

No.	1817.		Dolls.	C.	Dolls.	C.
146	Feb.	1	Wages of Workmen, for January 1817, - - - - -	86	75	
			Wakefield M'Neil, on account of quarrying, - - - - -	72		
147	March	1	Wages of Workmen, for February, Thomas Mervine, for repairs of quarry tools, - - - - -	73	50	
			Wakefield M'Neil, on account of quarrying, - - - - -	8	18	
149	April	1	Wages of Workmen, for March, - - Wakefield M'Neil, balance for quarrying 342 perches of stone, - - - - -	55		
				93	20	
151	May	1	Jonas Smith's cart, clearing quarry/ - - - - -	30		
			Wakefield M'Neil, on account for quarrying, - - - - -	150		
155	June	2	Wages of Workmen for April, - Henry Nixon, for 250 perches of stone, quarried out of Street, - - - - -	83	75	
			Wakefield M'Neil, on account of quarrying, - - - - -	62	50	
				120		
160	July	1	Wages of Workmen, for May, - Wakefield M'Neil, on account for quarrying, - - - - -	91	22	
				100		
162	Aug.	1	Wages of Workmen, for June, Thomas Mervine, for repairing quarrying tools, - - - - -	82	75	
			Jonas Smith, for sundry haul- ing in July, - - - - -	11	88	
			Wakefield M'Neil on account of quarrying, - - - - -	8		
				150		
164	Sep.	1	Wages of Workmen, for July, - Jonas Smith, for horse and cart, clearing quarry, - -	113		
			Wakefield M'Neil, on account of quarrying, - - - - -	17	62	
				30		
166	Oct.	1	Wages of Workmen, for August, Ditto ditto, for September, Thomas Mervine, for repairing quarrying tools, - - - - -	87	96	
			Wakefield M'Neil, on account of quarrying, - - - - -	130	9	
				12	53	
				80		
167	Nov.	1	Alexander and William Adams, for whiskey, - - - - -	46	20	
			Jonas Smith, for horse and cart, clearing quarry, - - -	19		
			Wakefield M'Neil, on account for quarrying, - - - - -	60		
			Wages of Workmen, for October,	138	84	

No.	1817			Dolls.	C.	Dolls.	C.
168	Dec.	1	Wages of Workmen for November, Wakefield M'Neil, on account for quarrying, - - - - -	112	37		
171		30	James Twaddle, for 15 qr. casks of gun powder, - - -	80			
173			Jonas Smith, for horse and cart, clearing quarry, - - -	110	50		
			Wages of Workmen, for December,	25	50		
				54	75		

						2,437	09

INCIDENTAL EXPENCES.

	1817			Dolls.	C.
147	March	1	Stiles and Minor, for advertising, - - - - -	10	50
149	April	1	Reese Morris, poor tax for Fair Mount Works, for 1816,	12	48
152	May	2	Martin Ludie, county and road tax, for ditto for 1816, - -	16	80
158	June	25	George W. Morgan, for lot of ground in Cherry Street, between Ninth and Tenth Streets, - - - - -	1500	
			William Davis, for lot of ground adjoining ditto, - -	1500	
159	July	1	Frederick Graff, for bills paid from January 1, to July 1, 1817, - - - - -	33	37
162	Aug.	1	Noble Caldwell, putting up 208 pannels of fence, - - - - -	65	
			Bickley, Son and Taylor, for 1004 rails, 200 posts and hauling, - - - - -	173	46
			Joshua Allen, for hack hire paid by him, - - - - -	20	
			D. and C. Landreth, for 27 trees for the Reservoir, - -	24	50
164	Sep.	1	Jonas Smith, for 5 loads of gravel, hauled in Cherry Street, - - - - -	6	25
			Warner and Gorgas, for 4100 plastering lath and hauling,	10	99
166	Oct.	1	George G. Leiper, for 40 feet of curb stone in Cherry Street, - - - - -	26	
167	Nov.	1	Arabella Jones, for 6 months ground rent, for Cherry Street lot, - - - - -	13	33

No.	1817			Dolls.	C.	Dolls.	C.
167	Dec.	1	Assa Ridgway, for paving 22 yards in Cherry Street, - -	5	30		
168			William Faries, for digging and hauling 194 1/2 yards from lot in Cherry Street,	59	54		
171			Reese Morris, for poor tax for 1817, for Fair Mount Estate,	29	33		
			Martin Ludie, for road and county taxes, for 1817, for Fair Mount Estate, - - - - -	39	60		
			Zachariah Poulson, for advertising, - - - - -	7	66		
			William Duance, for ditto, - -	9	16		
			Thomas T. Stiles, for ditto, &c.	25	33		
			Henry Bell, for sundry lumber and hauling, - - - - -	27	40		
			George Hyde and Son, for stationary, - - - - -	15	32		
			Isaac Milnor, for sundries,	50	63		
			Robert Boyle, for ditto, - - -	11	12		
			Joshua Allen, for sundries paid for by him, - - - - -	29	25		
			Nathan Smith, for sundry lumber, - - - - -	17	37		

						3,737	69

SALARIES.

	1817			Dolls.	C.		
147	March	1	John Keith, for 4 months due March 1, 1817, - - - - -	5			
149	April	1	Frederick Graff, on account of salary, due July 1, - - - -	500			
159	July	1	John Keith, for 4 months salary, due July 1, - - - - -	5			
			James Young, one years salary, due July 1, - - - - -	25			
166	Oct.	1	Frederick Graff, on account of salary, - - - - -	1000			
173			Ditto, balance of salary in full, to December 31, 1817,	500			

						2,035	

RESERVOIR.

	1817			Dolls.	C.		
151	May	1	Israel Roberts, for copper balls, - - - - -	23	6		

						23	6

						51,389	26

ABSTRACT OF PAYMENTS

MADE BY THE
WATERING COMMITTEE

From Dec. 31, 1816, to Dec. 31, 1817.

	Dolls.	C.	Dolls.	C.
Engine and Pump, - - - - -	13,500			
Buildings, - - - - -	109	35		
Distribution, - - - - -	11,744	56		
Engines, - - - - -	17,802	51		
Quarrying, - - - - -	2,437	09		
Incidental Expences, - - - - -	3,737	69		
Salaries, - - - - -	2,035			
Reservoir, - - - - -	23	06		
			51,389	26

No. 2.

Sums paid into the Treasury by the Superintendant, for
articles sold from Dec. 31, 1816, to Dec. 31, 1817.

	Dolls.	C.	Dolls.	C.
1817.				
July 2, To John Bacon, Treasurer, - - - - -	1117	20		
Oct. 1, To ditto, ditto, - - - - -	227	88		
Dec. 30, To ditto, ditto, - - - - -	722	73		
			2067	81

No. 3.

STATEMENT OF PIPE

Used in the Distribution, from Dec. 31, 1816, to
Dec. 31, 1817.

	Feet.
Hoffman's Alley running from Cherry Street to Cresson's Alley, - - - - -	170

	Feet.	
Branch from Combs's Alley near Front Street,	56	
Locust and Little Seventh Street, and Seventh		
from Locust to Spruce Street, - - - - -	882	
Alley in Eleventh below Mulberry Street,	223	
Chesnut Street from Broad, westward, - - - -	628	
Tenth, from Race to Vine Street, - - - - -	683	
George Street, west of Twelfth Street, - - -	180	
Walnut, from Eleventh, to Thirteenth Street,	992	
Juniper, from Chesnut, to George Street, - -	260	
Hause's Alley in Tenth, below Walnut Street,	190	
Relaid 1315 feet of pipe taken up on account		
of the culvert in Tenth Street, running		
from Walnut to Spruce Street; and Spruce		
from Tenth to Eleventh Street: in doing		
which 100 feet of new pipe was used in		
connections, - - - - -	100	
In Chesnut west of Broad Street, 400 feet	-----	Feet.
of 4 1/2 inch iron pipes were also laid,		4364
Repairs in the Streets, for fire plugs and		
for pumps, - - - - -		2035

	Feet.	6399
Timber in the pond, December 31, 1816, - - -	10,000	
Logs laid as per statement, and in repairs,	6,399	

	3,601	
Deduct waste of timber, - - - - -	401	

Leaves in the pond, December 31, 1817,	3,200	

FREDERICK GRAFF,

Superintendent of the Water Works.

No. 4.

ESTIMATES FOR THE YEAR 1818.

	Dolls.	C.	Dolls.	C.
For completing the parts of the Fair Mount Works, yet unfinished,				
Reservoir, - - - - -	2205			
Balance of Engine and Pump, - - - - -	1200			
For contingencies, and for the payment of unsettled accounts, - - - - -	2600			
			6,005	

FOR THE SUPPORT OF FAIR MOUNT WORKS THIS YEAR.				
For the working of engines, and materials, 1800 cords of wood, cordage and hauling, Rent of wood wharf on Callowhill Street,	3900			
	12600			
	300			
			16,800	
pipe				
For 3000 feet of timber, boring, hauling and laying, at 75 cts., - - - - -	2250			
Boring, hauling, and laying 3200 feet of timber on hand, at 60 cents, - - - - -	1920			
Castings, cylinders, cocks, fire plugs, &c.	1200			
40 tubs, hydrants, pumps, and fixtures, - -	400			
Repairs of mains leading from the reservoir, pipes in streets, and for pumps, fire plugs, &c., - - - - -	4500			
10,000 feet of lumber for sundries, at 40 dollars, - - - - -	400			
Enlarging the wood yard, quarrying, &c., -	2000			
Salaries of the superintendant and messenger, - - - - -	2040			
The erection of work shops on lots purchased in 1817, - - - - -	4500			
Incidentals, for advertising, stationary, &c., - - - - -	110			
			19,320	
Expenses in procuring castings, models, &c. from England; including the expenses of the superintendant, - - - - -	3000		3,000	
			45,125	

FREDERICK GRAFF,

Superintendant of the Water Works.

No. 5.

Statement of the Accounts of the Water Rents.

Amount of the duplicates of Water rents as delivered to the Collectors, - - - - -		\$19,974 50
Less 10 per cent. for allowances and commissions, - - - - -		1,997 45
		<u>17,977 05</u>
Less 10 per cent. as above, - - - - -	\$1,997 45	
From which deduct the actual commissions on amount collected, \$ 754 98		
Deduct allowances made to the Collectors for delinquents, - - 1,100 00		
	<u>1,854 98</u>	
		<u>142 47</u>
		<u>18,119 52</u>

Receipts of Rents paid into the Treasury for issuing permits, - - - - -		
For the First quarter from January 1, to March 31, - -		\$ 12 74
Second ditto, April 1, to June 30, - -		335 53
Third ditto, July 1, to Sept. 30, - -		182 2
Fourth ditto, Oct. 1, to Dec. 31, - -		100 8
		<u>630 37</u>

Received for repaving over water pipes and paid into the treasury,		
For the First quarter from January 1, to March 31, - -		\$ 4 00
Second ditto, April 1, to June 30, - -		67 00
Third ditto, July 1, to Sept. 30, - -		42 00
Fourth ditto, Oct. 1, to Dec. 31, -m-		19 00
		<u>132 00</u>

Amount of the Duplicates of the Water rents for the year 1818.

Upper Delaware Ward, - - - - -	\$1205 50
North Mulberry ditto, - - - - -	929 50
Lower Delaware ditto, - - - - -	1147
South Mulberry ditto, - - - - -	1167
High Street ditto, - - - - -	1181
North ditto, - - - - -	2285
Chesnut ditto, - - - - -	1357
Middle ditto, - - - - -	1630
Walnut ditto, - - - - -	986
South ditto, - - - - -	1754 50
Dock ditto, - - - - -	1121
Locust ditto, - - - - -	1936
New Market ditto, - - - - -	1400 50
Cedar ditto, - - - - -	1822

	\$19,922 00

No. 6.

List of Dwellings, Manufactories, and Institutions, supplied with the
Schuylkill Water, as per register, to the 31st Dec. 1817.

		Rates.		Totals.	
		Dolls.	C.	Dolls.	C.
2	Back buildings, - - - - -	at 2	50	5	
2991	Dwellings, schools, private stables, &c.	5		14955	
2	Ditto, by contract, - - - - -	6	50	13	
62	North side of Vine, and south side of Cedar Streets, - - - - -	7	50	465	
6	Printing offices, hydrants, inns and hatters, - - - - -	8		48	
3	Hydrant pumps, and vinegar yard, - - -	9		27	
59	Distilleries, currier shops, inns, &c.,	10		590	
7	Hatters' shops, - - - - -	13		91	
3	Malt house, soap factory and stable, -	12		36	
46	Distilleries, currier shop, inns, &c., -	15		690	
1	Hydrant, - - - - -			16	
1	Dye shop, - - - - -			19	
19	Distilleries, stables, currier shop, inns, &c., - - - - -	20		380	
2	Morocco factory and hydrant, - - - - -	22		44	
2	Paper factory and currier shop, - - - - -	24		48	
11	Distilleries, soap, factory and stables,	25		275	
1	Paper manufactory, - - - - -			28	
9	County goal, sugar and soap manufac- tories, - - - - -	30		270	
5	Tan yard, morocco factory and brewery,	35		175	
6	Hydrant pumps, distilleries and stables,	40		240	
2	Breweries, - - - - -	44		88	
6	Pennsylvania hospital, breweries, - - -	50		300	
1	Public bath, - - - - -			80	
1	Alms house, - - - - -			100	

3248	174 Horses kept on premises, - - - - -	1		18983	
	255 Private baths, - - - - -	3		174	

				765	

				19,922	

Philadelphia, December 31, 1817.

JOSHUA ALLEN, City Clerk.