

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

to the

S E L E C T A N D C O M M O N C O U N C I L S

READ JANUARY 23, 1817.

PUBLISHED BY ORDER OF THE COUNCILS.

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1817.

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

THE Watering Committee submit to the Select and Common Councils, their Annual Report:

In the course of the year 1816 the following particulars of the New Works, which remained unfinished at the date of the last report, have been completed. That is to say,--the Channel leading from the river to the pump chamber, has been deepened by blowing away the rocks, so as to admit an ample supply of Water to the pump, at all times of the tide---An iron balustrade has been erected upon the platform, fronting the river, and the Engine-house has been plastered, painted, and glazed---Considerable progress has also been made in quarrying away the rocks east of the building so as to enlarge the wood-yard.

The last winter having injured the upper courses of masonry round the reservoir, the covering of the wall with a stone coping, has been omitted, and the Committee propose to adopt a different manner of finish, which it is believed will be better suited to the purpose, and also much less expensive.

The small pump for supplying the cold water cistern of the Engine, has not yet been removed from the Old Works and put up as

intended.

The additional six inch main, has been laid from the reservoir along Callowhill and Broad Streets to the City, and is found to produce an important addition to the supply of Water.

About the middle of July last, it was discovered that two of the valve seats belonging to the pump of the Boulton and Watt Engine had given way, and that the pump was thereby rendered entirely useless.

The Committee having directed an examination to be immediately made by the superintendant assisted by Mr. Daniel Large, it was found necessary that the whole should be taken up and separated for the purpose of putting in new seats. The work was instantly begun, and pursued day and night, by a double set of hands, almost without intermission; notwithstanding which the pump was not again ready for use until the fifth of September following. The expense incurred in this operation amounted to sixteen hundred and thirty dollars seventy two cents, and was paid from part of the monies raised on loan to complete the Works.

The time occupied by these repairs, afforded an opportunity to examine and put in order the different parts of the machinery and boiler, and the Committee have reason to believe that the Engine continues to operate nearly according to the statements contained in their last report.

During the time above mentioned water for the use of the City was raised by the Engine constructed by Mr. Oliver Evans. The defective state of the boilers attached to that machine, rendered a continuance of the supply extremely precarious, though the greatest exertions were made by the Contractors to keep it up. The boilers have since been altered and appear to be much improved, but

notwithstanding the expectation held out at the period of the last report, the Engine has not been delivered to the City.

Many of the logs laid in the main streets having been in use from fifteen to seventeen years, appear to be rapidly decaying, and the number of leaks is consequently increased much beyond the average of former years. The rise in the price of timber, and the extraordinary consumption of it for repairs, have caused a considerable increase of expenditure under that head. As it is probable that timber may continue to advance in price, the Committee have directed their attention to the subject of iron pipes, the expense of which they have reason to believe, if imported from England would but little exceed the cost of those now made from logs. In order to ascertain by experiment whether the joints of iron pipes can be so constructed as to obviate the danger of leaks from the contraction of the metal; a difficulty which exists to a great extent in the range of pipe of that kind laid along Water Street: the Committee have obtained a quantity of iron pipe, cast accordingly to several models said to be the most approved abroad, which they intend to have laid down in the course of the ensuing season.

The Committee have not yet been able to carry into effect the resolution authorizing a sale of the Steam Engines and fixtures connected with the Old Water Works, nor have they succeeded in the purchase of a lot suitable for a smith's shop.

The annexed accounts marked No. 1, show the amount disbursed in completing and carrying on the Works since the last report, being fifty-one thousand two hundred and nineteen dollars sixty-three cents. Of this sum seventeen thousand dollars were obtained on loan, and the residue has been paid from the sums appropriated for the support of the Works.

The sum paid into the treasury by the superintendant proceeding from materials sold, appears by the annexed account No. 2, to which is added a statement of the pipe timber remaining on hand.

The annexed statement No. 3, contains the estimate for completing the Fair Mount Works, and carrying the same on during the current year, amounting to

\$53,537 71

Towards which there remains an authority to obtain on loan a sum of \$13,000, being the residue of the loan of \$30,000, authorized by ordinance, which deduct,

13,000 00

Leaves to be provided for

\$40,537 71

In part of the above sum the following may be applied, viz.

The unexpended balance of the monies appropriated for the support of the Works last year,

\$ 4,889 83

Monies paid into the Treasury by the superintendant, as per account No. 2,

2,670 50

Amount of duplicates of water rents for 1817 as per statement No. 4, annexed,

\$19,974 50

Deduct ten per cent. for allowances, &c.

1,997 45

----- 17,977 05

Surplus of water rents for 1816 after deducting commissions to collectors as per ditto.

1,109 57

Amount carried forward, 26,646 95

Amount brought forward, 26,646 95

Water rents in advance received during the year 1816 by the City Clerk and paid into the Treasury, 778 31

Amount received by ditto, from delinquents of 1815, including 158 dollars, rents in advance from the same 619 13
 ----- 28,044 39

Amount to be appropriated from the general funds of the City \$12,493 32

It may be proper to observe that in consequence of representations as to the want of funds in the Treasury to meet the expenses of the Works during the last Summer, it appeared necessary to use for that purpose, part of the monies obtained on loan. The result of this step has been to leave unexpended the sum above stated as part of the general appropriation of last year.

The embankment round the reservoir at Fair Mount having sustained injury from persons riding upon it, the Committee are of opinion that the ground belonging to the City should be inclosed with a post and rail fence; should this suggestion be adopted by the Councils a small increase of appropriation will be necessary, as this object is not included in the estimate.

By order of the Committee,

GEO: VAUX, Chairman.

January 22, 1817.

LIST OF CERTIFICATES FOR MONIES

Drawn by the

WATERING COMMITTEE

for

FAIR MOUNT WORKS.

From Dec. 30, 1815, to Dec. 31, 1816.

No.	1816		Dolls.	C.	Dolls.	C.
108	Feb.	1	In favour of Frederick Graff, Clerk of the Water Works,		801	52
109	March	1	Ditto, - - - - -		963	83
110			Ditto, - - - - -		3000	
111	April	1	Ditto, - - - - -		1920	27
112		9	Ditto, - - - - -		2600	
113		18	Ditto, - - - - -		1000	
114		27	Ditto, - - - - -		900	
115	May	2	Ditto, - - - - -		505	82
116			Ditto, - - - - -		2030	48
117		10	Ditto, - - - - -		1402	71
118		22	Ditto, - - - - -		1100	
119		29	Ditto, - - - - -		1600	
120	June	3	Ditto, - - - - -		2726	21
121		14	Ditto, - - - - -		2150	
122		20	Ditto, - - - - -		1074	50
123		24	Ditto, - - - - -		650	
124	July	1	Ditto, - - - - -		1340	50
125			Ditto, - - - - -		992	70
126		16	Ditto, - - - - -		1381	
127	Aug.	1	Ditto, - - - - -		1563	77
128			Ditto, - - - - -		1689	43
129			Ditto, - - - - -		1300	
130		21	Ditto, - - - - -		650	
131	Sep.	2	Ditto, - - - - -		2138	98
132			Ditto, - - - - -		1300	
133		13	Ditto, - - - - -		650	
134			Ditto, - - - - -		650	
135	Oct.	2	Ditto, - - - - -		997	49
136			Ditto, - - - - -		1300	
137			Ditto, - - - - -		1255	24
138			Ditto, - - - - -		811	43
139	Nov.	2	Ditto, - - - - -		1288	10
140			Ditto, - - - - -		700	81
141			Ditto, - - - - -		1012	86
142	Dec.	2	Ditto, - - - - -		947	32
143			Ditto, - - - - -		1141	79
144		23,	Ditto, - - - - -		1384	64
145		28	Ditto, - - - - -		2298	23

51,219 63

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.	1816.			Dolls.	C.	Dolls.	C.
110	March	1	Oliver Evans, on account of main pump, - - - - -	3000			
137	Oct.	2	Israel Roberts, for sundry copper pipes, - - - - -	36	38		
141	Nov.	2	John Carrel, for lead, iron- mongery, &c. - - - - -	58	6		
145	Dec.	28	Nathan Smith, for 846 feet of lumber and hauling, - - - -	22	85		
				-----		3,117	29

BUILDINGS.

No.	1816.			Dolls.	C.		
108	Feb.	1	Wages of workmen, for January 1816, - - - - -	94			
109	March	1	Ditto, for February Britton and Smith, for 2,800 plastering lath and hauling,	61	75		
115	May	2	James Johnson, for cutting holes for railing, &c., - - Ebenezer Betts, for spikes, nails, &c., - - - - -	10	30		
116			Wages of workmen, for April,	29	30		
124	July	4	Ditto, for June,	19	41		
125			Jonas Smith, for hauling sand, castings, &c., - - - - -	79	12		
			Alexander Crawford, for 165 bushels of lime, at 40 cents	35	12		
			Peter Wolford, for plastering engine rooms, - - - - -	6	50		
127	Aug.	1	Wages of workmen, for July, -	66			
128			Christian Frank, balance for painting and glazing, - - -	106	50		
137	Oct.	2	Morris and Smith, for lumber, Smith and Chandler, for 70 bushels of hair, - - - - -	70			
138			Frederick Graff, for sundry small bills, - - - - -	338	77		
				39	16		
				19	37		
				13	20		

No.	1816.			Dolls.	C.	Dolls.	C.
141	Nov.	2	Ebenezer Betts, for spikes, nails, &c., - - - - -	23	68		
			John Carrell, for ironmongery,	14	2		
144	Dec.	23	Stephen Simmons, for sundry lumber, - - - - -	34	64		
			Joseph and Daniel Rhoads, for ditto, &c- - - - -	132	65		
				-----		1,193	49

DISTRIBUTION.							
108	Feb.	1	Wages of workmen, for Janu- ary, 1816, - - - - -	331	69		
109	March	1	Ditto, for February, William Fisher, for 2,800 feet of cedar 1 1/4 inch boards,	366	71		
				112			
111	April	1	Wages of workmen, for March, William Somerville, for sundry castings, - - - - -	504	33		
			Malcolm Murphy, for a pair of wagon wheels and iron work,	141	76		
			Joseph Peirson, for 2 loads of hay and 50 bundles of straw, - - - - -	48	35		
			Roberts and West, for 2 tons 6 cwt. 3 qrs. 0 lbs. of band iron and 31 pounds sheet iron, - - - - -	45	55		
			William Fisher on account for cedar boards - - - - -	283	65		
				50			
113	April	18	Abraham and Thomas Duffield on account for pipe timber,	1000			
114		27	Ditto, for ditto, - -	900			
115	May	2	William Fisher, balance for 2667 feet 1 1/4 inch boards,	56	68		
			John Keim, for 220 bushels of coals and hauling, - - - -	92	50		
			Edward Bowlby, 1 1/2 dozen steel point shovels, - - - - -	12			
			George and Jacob Peterman, for horse feed, - - - - -	36	35		
			William Wayne and Co., for 1 dozen English spades, - - -	15	50		
			Michael Frick, for 27 brass cocks, - - - - -	54	25		
			Ebenezer Betts, for spikes and nails, - - - - -	26	20		
			Jonas Smith, for hauling in January, February, March and April, - - - - -	68	55		

No.	1816.		Dolls.	C.	Dolls.	C.
116	May	2	Wages of workmen, for April, Elizabeth Foulke, 6 months stable and shop rent due	567	71	
			May 6, - - - - -	20		
117		10	Nathan Whiteman, for taking 6 rafts to Schuylkill, - - -	48		
118		22	Abraham and Thomas Duffield, on account of pipe timber,	1100		
119		29	Ditto, for ditto, -	1600		
120	June	3	Jonas Smith, for hauling pipes of conduit, &c., - - - - -	47	50	
			Thomas Morgan, for part of 38 3/4 galls. of neats oil,	34	81	
			Thomas Smith, 1066 feet of boards and hauling, - - - - -	30	31	
			Wages of workmen, for May, - -	984	75	
121		14	Abraham and Thomas Duffield on account of pipe timber, - -	2150		
122		20	Nathan Whiteman, for taking 6 rafts to Schuylkill, - - -	49	50	
			Justice Hicoek, for 2240 feet of pipe timber, - - - - -	275		
			Ephraim Kimble, for 638 feet of ditto, - - - - -	100		
124	July	1	Wages of workmen, for June, - Jonas Smith, for hauling pipes of conduit, - - - - -	964	20	
			Abraham and Thomas Duffield, balance for 21,412 feet pipe timber, - - - - -	136	15	
126		16	Nathan Whiteman, for taking 10 rafts to Schuylkill, &c., -	81		
127	Aug.	1	Wages of workmen, for July, -	1016	63	
128			Jonas Smith, for sundry hauling, Richard Smith, for turning pump boxes, &c., - - - - -	63	75	
			Samuel Richards, on account of castings, - - - - -	20	18	
				1000		
131	Sep.	2	Wages of workmen, for August,	1150	85	
135	Oct.	2	Ditto, for September,	492	8	
137			William Somerville, for 1 1/4 cylinders for the pumps,	8	62	
			Oliver Evans, for 4 stop cocke of 6 inches, - - - - -	91	80	
			Israel Roberts, for 12 copper pump balls, - - - - -	24		
			Simon Gratz and Brother, for pig lead, - - - - -	50		
			Roberts and West, for band and other iron, - - - - -	355	49	
			Jonas Smith, for sundry haul- ing, - - - - -	36	75	
138	Oct.	2	Frederick Graff, for sundry small bills, - - - - -	19	58	
139	Nov.	2	Wages of Workmen, for October, Elizabeth Foulke, 6 months rent for stable and shop due	713	81	
141			Nov. 6, - - - - -	20		

No.	1816.			Dolls.	C.	Dolls.	C.
141	Nov.	2	Jonas Smith, for sundry hauling,	41			
			Henry Abbet and Co., for spades,				
			shovels, &c., - - - - -	18	25		
			Ebenezer Betts, for nails,				
			spikes, &c., - - - - -	29	13		
			John Carrell, for ironmongery,	27	70		
			Samuel Richards, on account of				
			castings, - - - - -	500			
142	Dec.	2	Wages of Workmen, for November,	583	39		
143			Thomas Jones, for 210 bushels				
			of coals, hauling and meas-				
			uring, - - - - -	83	91		
			Joseph Pierson, for 2 loads of				
			hay and 234 bundles straw, -	73	49		
			William White, for 61 yards of				
			flannel, - - - - -	24	37		
			Conarroe and Co., for 5508 feet				
			boards and wharfage of logs,	174	74		
			William Piersol and Co., for				
			sundry iron, - - - - -	66	38		
			Alexander and William Adams,				
			for whiskey, - - - - -	158			
			Samuel Richards, balance for				
			castings done in 1816, - -	370	90		
144		23	Thomas and John Barnhurst, for				
			brass castings, - - - - -	65	50		
			Stephen Simmons, for lumber,	78	78		
			Samuel Wetherill and son, for				
			paints, oil, &c., - - - - -	74	78		
			Charles Bird, for a fire plug				
			and fixtures, - - - - -	7			
			Cartnell and English, for shoe-				
			ing horse and pump work, - -	20	10		
			George and Jacob Peterman, for				
			horse feed, - - - - -	75	49		
			William Davis, for chandlery,	17	20		
			Jacob Edenborn, for 193 1/2				
			pounds of pump leather, - -	63	85		
			Stevens and M'Niel, for 24				
			pump cocks, - - - - -	36			
145		23	John Carrell, for Ironmongery,	9	51		
			Rowley and Alberger, for lead				
			pipe, plumber's work, &c.,	124	31		
			Frederick Graff, for 388 feet				
			of cedar pipes and 11 cedar				
			posts, - - - - -	79	80		
			Wages of Workmen, for December,	438	82		
						20,680 94	

ENGINES.

No.	1816.			Dolls.	C.	Dolls.	C.
108	Feb.	1	Wages of Workmen, for January, 1816, - - - - -	239	58		
109	March	1	ditto, for February,	234	68		
111	April	1	ditto, for March,	220	3		
112		9	Thomas Reiley, for 100 cords of wood at \$6.50, - - - - -	650			
			Caldwell and Fisher, for 200 cords of wood at \$6.50, - - - - -	1300			
			John Tuft, for 100 cords of wood, at \$6.50, - - - - -	650			
115	May	2	John D. Huhn, for 4000 bricks and 8 loads of clay, - - -	50			
			Jonas Smith, for sundry hauling, - - - - -	20	62		
116			Wages of Workmen, for April, Jonas Smith, on account for hauling wood, - - - - -	225	40		
			Henry Nixon, 6 months wharf rent due April 15, - - - - -	150			
			Caldwell and Fisher, for 100 cords of wood, - - - - -	650			
117		10	Thomas Reiley, for 100 cords of wood, - - - - -	650			
			Caldwell and Fisher, for 100 cords ditto, - - - - -	650			
120	June	3	Jonas Smith, on account for hauling wood, - - - - -	80			
			Elijah and Thomas Dalett, for 1671 pounds of tallow, - - -	330	52		
			Thomas Morgan, part of 38 3/4 galls. neats oil, - - - - -	33			
			Caldwell and Fisher, for 100 cords of wood, - - - - -	650			
122		20	Wages of Workmne, for May, - - -	357	43		
			Caldwell and Fisher, for 100 cords of wood, - - - - -	650			
123		24	Thomas Reiley, for 100 cords ditto, - - - - -	650			
124	July	1	Wages of Workmen, for June,	231	75		
125			Josiah Steel, on account of cording wood, - - - - -	45			
			Jonas Smith, on account of hauling wood, - - - - -	52			
126		16	Thomas Reiley, for 100 cords of wood, - - - - -	650			
			Caldwell and Fisher, for 100 cords of ditto, - - - - -	650			
127	Aug.	1	Wages of Workmen, for July,	240	75		
128			William Arrentrue, for 116 pounds of candles, - - - - -	26	24		
			William Somerville, for sundry castings, - - - - -	140	49		
			Jonas Smith, on account for hauling wood, - - - - -	75			

No.	1816.		Dolls.	C.	Dolls.	C.
129	Aug.	1	Thomas Reiley, for 100 cords of wood, - - - - -	650		
			Caldwell and Fisher, for 100 cords of wood, - - - - -	650		
130		21	Thomas Reiley, for 100 cords of ditto, - - - - -	650		
131	Sep.	2	Wages of Workmen, for August,	277	50	
132			Thomas Reiley, for 100 cords of wood, - - - - -	650		
			Caldwell and Fisher, for 100 cords ditto, - - - - -	650		
133		13	Thomas Reiley, for 100 cords of wood, - - - - -	650		
134			Caldwell and Fisher, for 100 cords ditto, - - - - -	650		
135	Oct.	2	Wages of Workmen, for September	301		
136			Thomas Reiley, for 100 cords of wood, - - - - -	650		
			Caldwell and Fisher, for 100 cords ditto, - - - - -	650		
137			John Kisseck, for sweeping boiler flues, &c., - - - -	24	34	
138			Jonas Smith, on account for hauling wood, - - - - -	75		
			Henry Nixon, for 6 months wharf rent due October 15,	150		
139	Nov.	2	Wages of Workmen, for October,	428	86	
140			John Tuft, balance for 1607 $\frac{3}{4}$ cords of wood delivered in 1815 and 1816, - - - - -	32	6	
			Thomas Reiley, balance for 1016 $\frac{1}{4}$ cords of wood delivered in 1816, - - - - -	663	75	
141			Josiah Steel, on account of cording wood, - - - - -	45		
			Thomas Morgan, for 35 galls. neats oil and barrel, - - -	58	37	
			Robert Barrett, for 22 bushels of lime at 45, - - - - -	9	90	
142	Dec.	2	Wages of Workmen, for November,	270	50	
143			Alexander and William Adams, for whiskey, - - - - -	20		
			Jonas Smith, on account for hauling wood, - - - - -	30		
144		23	Alexander Cook, for 246 pounds of candles, - - - - -	48	73	
			Elijah and Thomas Dalett, for 1338 pounds of tallow, - -	204	90	
			Edward Bowlby, for files and saws, - - - - -	7	65	
			Thomas and John Barnhurst, for brass castings, - - - - -	77		
			Joseph and Daniel Rhoads, for sand, &c., - - - - -	17	12	
			Samuel Wetherill and Son, oil, paints, whiting, &c., - - -	80		
			John D. Huhn, for 1150 bricks at \$10, - - - - -	11	50	

No.	1816.		Dolls.	C.	Dolls.	C.	
144	Dec.	23	George and Jacob Peterman, for 2500 bricks at \$8.50, - - -	21	25		
			William Davis, for chandlery,	249	50		
145		28	Jonas Smith, balance hauling 2000 cords of wood, - - - -	58			
			Caldwell and Fisher, balance for 1197 cords of wood, - -	508	23		
			Josiah Steel, balance for cording 2342 cords of wood,	6	25		
			Henry Close, for liquor for men quarrying in the river and jobbing, - - - - -	12	66		
			Wages for December, - - - - -	255	50		

						20,482	6

QUARRYING.

No.	1816.		Dolls.	C.	Dolls.	C.	
108	Feb.	1	Wages of Workmen, for Janu- ary, 1816, - - - - -	136	25		
109	March	1	Ditto, for February, Thomas Mervine, for repairs of quarry tools, - - - - -	134	62		
111	April	1	Wages of Workmen, for March,	114	12		
115	May	2	Thomas Mervine, for repairs of quarry tools, - - - - -	24	46		
116			Wages of Workmen, for April,	113	75		
120	June	3	James Twaddle, for 8 kegs of powder, - - - - -	77			
			Wages of Workmen, for May, - -	94	25		
124	July	1	Ditto, for June, -	109	43		
125			Thomas Mervine, for repairs of quarry tools, - - - - -	15	5		
127	Aug.	1	Wages of Workmen, for July,	122	62		
131	Sep.	2	Ditto, for August,	104	75		
135	Oct.	2	Ditto, for September,	71	75		
137			Thomas Mervine, for repairs of quarry tools, - - - - -	12	32		
139	Nov.	2	Wages of Workmen, for October,	145	43		
142	Dec.	2	Ditto, for November,	93	43		
143			Alexander and William Adams, for whiskey, - - - - -	80			
			Wakefield and M'Niel, on ac- count of quarrying, - - - -	60			
144		23	James Twaddle, for 7 quarter casks of gun powder, - - -	61			
145		28	Thomas Mervine, for repairing quarry tools, - - - - -	15	51		
			Wakefield and M'Niel, balance for quarrying 280 perches stone, - - - - -	108			
			Wages of Workmen, for December,	82	75		

						1,791	77

INCIDENTAL EXPENCES.

No.	1816.			Dolls.	C.	Dolls.	C.
109	March	1	John Godshall, county taxes for 1815 for Fair Mount Works, Henry Abbet and Co., for 62 pounds of stove pipe and elbow, &c., - - - - -	9	60		
111	April	1	Reese Morris, poor tax for 1815, - - - - -	13	89		
116	May	2	Thomas Dobson, for 14 duplicate books for water rents, Reading Howell, for curb levels in 1815, - - - - -	54	25		
			William Duane, for advertising since November 1813, - - - -	9		23	25
			William M'Corkle, for ditto since August 1814, - - - -			8	
117		10	William Duncan, direct taxes for works for 1815, - - - -	15	20		
			Frederick Hoeckly, taxes for 1814 and 1815, - - - - -	39	51		
120	June	3	Enos Bronson, advertising to January 27, 1816, - - - - -	6	64		
125	July	1	William Duane, for advertising to May 8, 1816, - - - - -	8			
			Thomas Stiles, for ditto to August 1815, - - - - -	12	50		
127	Aug.	1	Wages of Workmen, repairing the pump and Engine, - - - -	113	77		
131	Sep.	2	Ditto, Ditto,	605	88		
135	Oct.	2	Ditto, Ditto,	132	66		
137			William Somerville, for sundry castings, - - - - -	80	1		
			Oliver Evans, for valve seats and other castings, - - - -	330	84		
			Israel Roberts, for copper pipes to hot wells, - - - -	72	80		
			Simon Gratz and Brothers, for pig lead, - - - - -	73	36		
138			Frederick Graff, for sundry small bills, - - - - -	53	65		
141	Nov.	2	Clarke and Coffee, for sundry bolts and washers, - - - -	167	75		
145	Dec.	28	George Hyde, for Stationary, Zachariah Poulson, for advertising in 1813, 1814, 1815 and 1816, - - - - -	8	22		
			Joshua Allen, for hack hire paid, by him, - - - - -	52	32		
				10	50		
				-----		1,914	8

SALARIES.

No.	1816.		Dolls.	C.	Dolls.	C.
109	March	1	John Keith, for 4 months' salary due March 1, - - - -	5		
111	April	1	Frederick Graff, for 1 quarter's salary, - - - - -	500		
125	July	1	John Keith, for 4 months' salary, - - - - -	5		
			Frederick Graff, for 1 quarter's salary, - - - - -	500		
128	Aug.	1	James Young for 1 year's salary due July 1, 1816, - - -	25		
138	Oct.	2	Frederick Graff, for 1 quarter's salary, - - - - -	500		
145	Dec.	28	John Keith, 4 months' salary due November 1, - - - - -	5		
			Frederick Graff, balance of one year's salary due Dec. 31, 1816, - - - - -	500		
				-----		2,040

					51,219	63

ABSTRACT OF PAYMENTS

MADE BY

THE WATERING COMMITTEE,

From Dec. 30, 1815, to Dec. 31, 1816.

	Dolls.	C.	Dolls.	C.	
Engine and Pump, - - - - -	3117	29			
Buildings, - - - - -	1193	49			
Distribution, - - - - -	20680	94			
Engines, - - - - -	20482	6			
Quarrying, - - - - -	1791	77			
Incidental Expenses, - - - - -	1914	8			
Salaries, - - - - -	2040				

				51,219	63

No. 2.

Sums paid into the Treasury by the Superintendent, for
articles sold from Dec. 30, 1815, to Dec. 31, 1816.

		Dolls.	C.	Dolls.	C.
1816.					
April 1,	To James E. Smith, Treasurer, - - -	403	91		
July 1,	To ditto, ditto, - - -	1106	35		
Dec. 31,	To John Bacon, ditto, - - -	1160	24		
		<hr/>		2,670	50

STATEMENT OF PIPE

Used in the New Main, and Distribution from Dec. 30, 1815, to
Dec. 31, 1816.

		Feet.
New Main from the corner of Filbert and Twelfth to the corner of John and Morris Streets near the Reservoir, - -		9553
		Feet.
Graham's court in Filbert between Seventh and Eighth Streets, - - - - -	222	
Elbow Lane, - - - - -	225	
Lemmon Alley in Eighth between Sasafress and Vine Streets, - - - - -	120	
Tenth from Walnut to Locust Streets, - -	400	
Walnut from Tenth to Eleventh Streets,	450	
George Street west of Eleventh, - - - -	42	
Thirteenth from High to Walnut Street, -	1070	
Twelfth from Chesnut northward, - - - -	165	
Clover Alley from Twelfth to Thirteenth Streets, - - - - -	450	
		<hr/>
Repairs in the Streets, and for fire plugs, - - - - -		1713
		<hr/>
Timber in the pond Dec. 30, 1815, - - -	3068	
Ditto purchased in 1816, - - - - -	24290	
		<hr/>
	27358	
Logs laid as per statement, and in repairs, - - - - -	14410	
		<hr/>
	12948	
Deduct waste of timber and doubtful pipes	2948	
Leaves in pond Dec. 31, 1816, - - - - -	10000	
		<hr/>
		Feet. 14410

The estimate of last year included a sum of \$18,000 for the purchase, boring and laying 20,000 feet of pipes of conduit. The quantity of timber purchased, it appears as above, was 24,290 feet, of which the above 10,000 feet remains on hand. This supply is considered to be sufficient for the purposes of the current year.

FREDERICK GRAFF,

Superintendent of the Water Works.

January 18th, 1817.

No. 3.

ESTIMATES FOR THE YEAR 1817.

	Dolls.	C.	Dolls.	C.
For completing the parts of Fair Mount Works yet unfinished as per schedule No. 2, of last year's report,				
Reservoir, - - - - -	2205			
Balance of Engine and Pump, - - - - -	1182	71		
Balance on contract with Oliver Evans, - -	9000			
Oliver Evans' pump and contingencies, - -	3500			
			15,887	71

	Dolls.	C.	Dolls.	C.
FOR THE SUPPORT OF FAIR MOUNT WORKS THIS YEAR.				
For the working of Engines, and materials,	3950			
2200 cords of wood, cordage and hauling,				
at 7¢, - - - - -	15400			
Rent of wood wharf on Callowhill Street,		300		
	-----		19,650	
For boring, hauling, and laying 10,000 feet				
of pipes at 60 cents, - - - - -	6000			
Castings, cylinders, cocks, fire plugs,				
&c., - - - - -	1200			
40 tubs for hydrant pumps and fixtures,		400		
Repairs of mains leading from the Res-				
ervoir, pipes in the Streets, and for				
pumps, fire plugs, &c., - - - - -	4500			
10,000 feet of lumber for sundries at				
40¢, - - - - -	400			
Enlarging the wood yard, quarrying, &c.,	2000			
Salaries of the Superintendant and mes-				
senger, - - - - -	2040			
400 feet of 4 1/2 inch bore iron pipes,				
fitting up and laying, - - - - -	1300			
Incidentals, for advertising, station-				
ary, &c., - - - - -	160			
	-----		37,650	

			53,537	71

FREDERICK GRAFF,

Superintendent of the Water Works.

January 18th, 1817.

No. 4.

Statement of the Account of the Water Rents.

Amount of the duplicates of Water rents for 1816, as delivered to the Collectors, - -		\$18,499 50
Less 10 per cent. as above, - - - - -	\$1,849 55	
From which deduct the actual Commissions, - -	739 98	

		1,109 57

		17,759 12

Note.-- No returns of delinquents were made by the Collectors for 1816.

Rents paid into the Treasury for permits issued, For the First quarter from January 1, to March 31,		\$ 176 72
Second ditto, April 1, to June 30,		333 64
Third ditto, July 1, to Sept. 30,		148 73
Fourth ditto, Oct. 1, to Dec. 31,		119 22

		778 31

Received for repairing over water pipes and paid into the treasury,		
For the First quarter from January 1, to March 31,		\$ 10
Second ditto, April 1, to June 30,		56
Third ditto, July 1, to Sept. 30,		30
Fourth ditto, Oct. 1, to Dec. 31,		42

		138

Settlement of the allowances made to the Collectors on the Water rents for 1815, amounting to, - - - - -		\$ 1000 81
Amount recovered from delinquents and paid into the Treasury, - - - - -	\$461 13	
Returned by the Collectors as delinquents who produced receipts as having paid them, amounting to, - - - - -	47 50	
Twice charged in the duplicates, - - - - -	21 31	
Allowances made by the Committee for errors amounting to, - - - - -	197 50	
Lost from various causes, persons being in- solvent, absconded and in suit, - - - - -	273 37	

		1000 81

The above sums of \$47.50--\$21.31, and \$197.50 were mentioned in the statement of last year. The sum of \$354.50 also mentioned in the said statement, is part of the above sum of \$461.13. The sum of \$380, mentioned in the said statement, includes the residue of the said sum of \$461.13, and the bad and doubtful debts amounting as above to \$273.37.

Received from delinquents of Water rents for 1815, being rents in advance for 1816, and paid into the Treasury, - - \$158

Amount of the duplicates of the Water rents for the year 1817, viz.

Upper Delaware Ward, - - - - -	\$1,246 50
North Mulberry ditto, - - - - -	914 50
Lower Delaware ditto, - - - - -	1,216
South Mulberry ditto, - - - - -	1,220
High Street ditto, - - - - -	1,327
North ditto, - - - - -	2,294
Chesnut ditto, - - - - -	1,360
Middle ditto, - - - - -	1,591
Walnut ditto, - - - - -	1,025
South ditto, - - - - -	1,707 50
Dock ditto, - - - - -	1,150
Locust ditto, - - - - -	1,879
New Market ditto, - - - - -	1,307
Cedar ditto, - - - - -	1,737

\$19,974 50

List of Dwellings, Manufactories and Institutions supplied with the Schuylkill Water, as per Register to 31st Dec. 1816.

		Rates.	Totals.		
		Dolls.	C.	Dolls.	C.
3	Back Buildings, - - - - -	at 2	50	7	50
2973	Dwellings, schools, private stables, &c.,	5		14865	
2	Ditto by contract, - - - - -	6	50	13	
56	Ditto north side of Vine and south of Cedar streets, - - - - -	7	50	420	
8	Printing Offices and hydrants in Courts,	8		64	
3	Cistern pumps and vinegar yard, - - - - -	9		27	
55	Stables, Banks, &c., - - - - -	10		550	
1	Soap factory, - - - - -			12	
8	Hatter Shops, - - - - -	13		104	
48	Distilleries, curriers' shop, and inns, &c.	15		720	
1	Hydrant pump, - - - - -			16	
1	Dye shop, - - - - -			19	
16	Distilleries, stables, curriers' shop, inns, &c., - - - - -	20		320	
2	Hydrant pumps, and morocco factory, -	22		44	
2	Paper factories, and livery stables, -	24		48	
13	Distilleries, soap factory and stables,	25		325	
1	Paper factory, - - - - -			28	
10	County goal, sugar and soap factory, -	30		300	
1	Malt distillery, - - - - -			34	
5	Tanyard, morocco factory and brewery, -	35		175	
6	Hydrant pumps, distillery and stables,	40		243	
2	Brewers, - - - - -	44		88	
7	Pennsylvania Hospital and brewers, - -	50		350	
1	Distillery, - - - - -			60	
1	Public bath, - - - - -			80	
1	Almshouse, - - - - -			100	
-----				-----	
3227				19009	50
	255 Private baths, - - - - -	3		765	
	200 Horses kept on premises, - - - - -			200	

				19974	50

JOSHUA ALLEN, City Clerk.

Philadelphia, December 31, 1816.