REPORT

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OF THE

WATERING COMMITTEE

TO THE

SELECT AND COMMON COUNCILS.

READ JANUARY 8, 1824.

PUBLISHED BY ORDER OF THE COUNCILS.

PHILADELPHIA:

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1824.

MEPONT.

WALLEING COMMITTEE

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CARROTERIOS TROTERIOS CORA SOMERIO

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AUTO DOUG TOUR

PRINCES OF STREET OF SMILES, NO. TO SORRE SELECT

11703 18

ANNUAL REPORT

OF THE

WATERING COMMITTEE.

THE WATERING COMMITTEE, in obedience to the established regulation of Councils, present their Annual Report, with the accounts necessary to elucidate their expenditures and proceedings for the past year, and an estimate of the sums which will be required to carry on the works for the present year.

The amount expended in 1823 Of which there was expended Damages,	, for ire	on pip	es,	y oil	570			256 190	72 07			
Leaving, for other objects, For which there was estimated,	. 1		-100	·o.L.		100		TE LEV		245		
Exhibiting an excess of expend From which should be deduct Ariel Cooley, deceased, for	ed the	sum i	finishe	ed fi	om t	he ad	min cos	istrat	ors whi	of och	88	
constitutes part of this exce	ss, amo	unting	to	•	-	t ()		- 100		20	000	00
										50		

This excess may readily be accounted for, when it is considered how difficult it is to estimate the sums necessary to liquidate large concerns drawing to a close; to which is to be added the expense of a new roof for the old engine house, the repairs of that building, and putting it in a decent state, after the injuries it had sustained by time, and by the effects of the severe blasting of the rocks for the new works; and furthermore, the alteration of the new pumps, at the commencement of their operation, which was not estimated for. The debts of the works are now all settled, and the future estimates can be accurately stated.

To meet the defici- And to provide for		of 1824, f	or the n	- ew worl	ks. hvdr	ant num	\$ 5088	86
repairs of wooder								
No. 5, to -		Je offi			Miles	ord dron	12000	00
specines salt me and	Being to	gether	Owner.	Mul 5	di di di	all the	17088	86
There is in the Tre	easury the wat	er rents re					and the sea of	
ing, by account Sundry sums paid sive of \$2000 rec	into the Treas	ury by the		ntenden	t, (excl		62 47 26,013	09
No. 2, -	The state of the last	decina mas		-		2778	95 .	319
Sundry sums paid	into the Treas	sury by the	Registe	er, for v	vater ren	its		
received in advan-							47	
the safety of tite dom	Making t	ogether	tuel ye	Cody	and Ma	-	28792	04

And leaving a surplus now in the Treasury, of

From which it appears, that, throwing out of view the sum applied to permanent improvements, on the one hand, and the receipts for wood, and other objects not permanent in their nature, on the other, the surplus of the income beyond the expenditure is upwards of fourteen thousand five hundred dollars.

The sum remaining unexpended of the appropriation for iron pipes, as ap-		
	16712	92
Besides the authority to raise on loan, agreeably to the Ordinance of Jan. 17	,	
1822, the sum of	25000	00
And a further sum, agreeably to the Ordinance of Nov. 27, 1823, of	26000	00
Amounting together to	67712	92
There was expended in 1823, for laying iron pipes, the sum of	25672	60
Leaving for the operations of 1824, the sum of	42040	32
	Character and the same	-

And here the Committee have the pleasure to state, that the contract for iron pipes for the present year has been made on the most advantageous terms; the difference in favour of the city, between the prices paid last year, and the present contract, being equal to 3957 dollars, 3 cents.

The balance unexpended of the sums appropriated for damages, was, on the 6th of Jan. 1823,	
And agreeably to an Ordinance passed Feb. 4, 1823, \$20500 has been raise on loan for this object; and there remains to be raised, under the authorit	
of the same Ordinance, a further sum of 4500 dollars, which together	
amount to	25000 00
Making the whole sum of	28643 17
Of which there was expended last year	19007 08
Leaving in reserve for this object	9636 09

The Committee would hope, that as the damages have been generally settled with those who have in their opinion really suffered injury by the erection of the dam, that the sum to be paid hereafter will be small. Where lands or mills have been overflowed or backed upon, the Committee have promptly proceeded to do justice to the parties, either by a reference or by compromise, and sometimes by both; but where claims have been made which in the opinion of counsel were not supported in law, they have been resisted, and will in all cases be decided by the proper tribunal. None of them have yet come to a hearing, though the Committee have thrown no difficulty in the way, but on the contrary, have facilitated their progress as much as was in their power.

In the last Annual Report, the Committee communicated the lamented decease of Mr. Cooley, who had not entirely completed his contract: but, as his affairs were left in the hands of administrators residing at a considerable distance, it was thought best to receive from them a sum of money, in lieu of the labour to be performed; and two thousand dollars was finally agreed upon, which has been paid into the Treasury.

The two large estates of Mr. Cooley, mortgaged as a guarantee for the safety of the dam and works for five years from February last, are still held for the purpose for which they were granted.

The further accounts herewith submitted, and which the Committee request may be considered as part of their report, are,

- No. 3, being a statement of the wooden pipes used in repairs.
- No. 4, showing the quantity of iron pipes, lead, &c. on hand.
- No. 8 is a list of the manufactories, dwellings, &c. furnished with Schuylkill water.
- No. 9 exhibits an account of the water rents for the present year, amounting to 26191 dolls. 5 cts.

The Committee have great satisfaction in communicating the pleasing circumstance of the rapid advance of the income from the water rents, and at the same time to state the beneficial result of the new system for their collection, which has placed them in the Treasury many months sooner than heretofore, and at a very reduced price in the cost of collection and allowances. Three-fourths of the rents were in the Treasury by the 1st of June last, and the whole amount by the 1st of August; when formerly, very little more than one-third was collected by the 1st of November, and the whole not before the 1st of February in the following year: making a difference, in interest alone, equal to the whole expense of collection. Another advantage arises from the accounts being closed in the year to which they belong, thus enabling the duplicates to be made out for the collectors as soon as they are appointed by the mayor, on the first Monday of January.

The experience of another year has furnished results that will probably be interesting to Councils; and the Committee therefore trespass a little in detailing the beneficial effects produced by the new Water Works at Fair Mount, which have exceeded the warmest anticipations of their most sanguine friends. The calculations formed were of the most cautious kind, for there was little experience to guide in the construction of water works calculated to raise water, and hence it was stated, that forty gallons upon the wheel would be required to raise one to the reservoir, but experience has shown that thirty are more than ample, thus at once increasing the calculation of the water power of the river one-third. The quantity raised was also underrated at one million of gallons in 24 hours, for each wheel and pump; it may now be safely stated at 1,250000, supposing the wheel to work during the whole time: but this is not always the case, as the tide occasionally makes it prudent to stop them, to prevent straining the works.

An experiment was made in July last for 18 days, during which time four fire-plugs were constantly in use, during the day time, in washing the gutters, when two wheels and pumps were found adequate to supply the demand, and working only 14 hours in 24; and the consumption of water was 1,616160 gallons in the same period of 24 hours. In October last, the three wheels were found sufficient to supply the city in 8 hours, equal to one wheel for 24 hours, and supplying 1,250000 gallons.

In the last month, the wheels were stopped three days on account of the water being disturbed by a freshet, during which time the reservoir fell 52 inches; after the water had settled, the three wheels were put in operation, and besides supplying the city with about 1,250000 gallons, they filled the reservoir in 24 hours, equal in all to 3,750000 gallons. The demand of the city for water, in very cold weather, may be stated at about a million of gallons.

The advantage of the large reservoirs is particularly observable during a freshet in the river, as the city can be supplied for several days with clear water from them, whilst the muddy water is running off, during which time the wheels are of course stopped.

Two men are found sufficient to attend the works 12 hours at a time alternately, night and day; and the calculation made last year of 4 dollars per day for wages, fuel, light, tallow, &c. is, upon experience, found to be ample. The plan of warming the house has completely answered the object proposed, and no ice has formed in the coldest weather, on the wheels or in the pumps.

The whole cost of the new works, including the damages, the new reservoir, and the preparation for a third one, is 432512 dollars, the interest on which, at the rates the money was borrowed, amounts to 24230 dollars, a sum not much exceeding that formerly appropriated every year out of the city taxes for the support of the steam engines, besides consuming the whole of the water rents; the contrast is most pleasing, when it is seen that the water rents are so much disengaged, as to place in the Treasury from their avails, upwards of 14500 dollars, whilst the sums heretofore appropriated of the taxes for the steam engines, go to meet the interest on the debt for the erection of the works.

But this is not the whole advantage: it was not possible, with the steam engines, that a million and a quarter of gallons could be raised; now, three times that quantity can be had without any increase of expense; but if the same quantity were required to be raised by additional steam engines, the annual expense would be at least 75000 dollars; or, in other words, the expense, (exclusive of the first cost of the steam engines and of the water works,) would be two hundred and six dollars per day, to raise three millions and three quarters of gallons by steam, which is now done for four dollars per day by water, with this further advantage, that with the expenditure of not more than fifty thousand dollars for five new wheels and pumps, the quantity can be increased to ten millions of gallons in 24 hours, the water power being sufficient to raise even more if required.

An additional quantity of 6,750000 gallons, raised by steam engines, would cost three hundred and forty-four dollars per day, making the whole expense to raise ten millions of gallons by steam, 550 dollars per day, whilst the same quantity can be raised by water for ten dollars per day, which includes the present expense, (before mentioned,) of four dollars per day, and an allowance of six dollars for additional hands, fuel, tallow, &c. without estimating the interest on the first cost of either species of engines and pumps.

A further trial of the dam took place last month, from a severe freshet which rose only five feet on the dam, whilst three miles above, the water rose 14 feet, bringing with it all the ice of the river. Not the slightest injury was sustained; no accident whatever has occurred to any part of the works during the last year, during which they performed in the most satisfactory manner. The same observation may be made as to the iron pipes in the streets, of which there are about nine miles laid, without the occurrence of a leak.

The Committee, upon the happy state of affairs above detailed, renew their congratulations to Councils.

By order of the Watering Committee.

JOSEPH S. LEWIS,

Chairman.

Jan. 3, 1824.

No. 1.

LIST OF CERTIFICATES FOR MONEYS

DRAWN BY THE

WATERING COMMITTEE

FOR

FAIR MOUNT WATER WORKS,

From Dec'r. 31, 1822, to Dec'r. 31, 1823.

No. 1823			-									1 1-5					Dolls. C.
371 Jan'y.	4 In	favour	of	Fred	erick	Gra	off, C	Clerk	of	the	Wat	er V	Vorl	ss,			2281 70
372	24	Ditto,		-		-		- /		4				-		100	1657 59
373 Feb'y.	1	Ditto,									-						1416 03
374	19	Ditto,		-		~						-					507934
375	22	Ditto,			-				-		4		-				10500 00
376 March	1	Ditto,								-		4		-		*	1355 12
377	31	Ditto,						1 1	-		4						1742 18
378 April	3	Ditto,						-		-				4			2835 30
379 May	1	Ditto,	-				-								-		2875 77
380 June	2	Ditto,		-				*									313167
381	12	Ditto,		117-	-				4		-						329705
382 July	1	Ditto,		-		**				-				-		-	5951 57
383	10	Ditto,	-												-		2233 33
384	18	Ditto,		-		-				-							4765 73
385 Augus	t 1	Ditto,	-				-										1760 84
386 Sept'r.		Ditto,		-		-										-	5191 46
387	18	Ditto,	-		-				-		-		-				3004 73
388 Oct'r.	1	Ditto,						-		-				-			2592 59
389	28	Ditto,	-	-			-						-				216789
390 Nov'r.	1	Ditto,		***													1316 86
391	10	Ditto,					-										807 08
392 Dec'r.	1	Ditto,												-			1232 02
393	24	Ditto,	٠.								-						77033
394	-	Ditto,				-				-		-				-	1302 36
																	69268 54

No. 1.

ABSTRACT OF PAYMENTS

MADE UNDER THE

FOREGOING CERTIFICATES.

Distribution.

No. 1823.		Dolls. C.
373 Feb'y.	1 Ann Smith, for hauling sand, logs, &c. in Dec'r. 1822, and Jan. 1823,	14 46
	Wages of workmen for January,	375 26
374 1	9 Arabella Jones, for 6 months' ground rent, due Feb. 1,	13 33
	Dixey & Manderfield, for 20 hydrant pumps, boxes, nossels, &c.	159 12
	1 Wages of workmen for February,	290 53
377 3	1 Stephen Simmons, for lumber,	55 57
	Michael Williamson, for wrought iron,	90 00
2.5	Wages of workmen for March,	375 53
379 May	George & Jacob Peterman, for horse feed,	23 91
- 12	Rush & Muhlenberg, for iron castings,	18 50
	Ann Smith, for sundry hauling, in February, March, and April,	33 00
000 T	Wages of workmen for April,	261 12
380 June	2 Dixey & Manderfield, for 12 hydrant pumps,	66 00
	Ann Smith, for hauling sand, boring logs, &c. in May,	31 50
000 T-1-	Wages of workmen for May,	313 60
382 July	John Warnock, for nails, spikes, &c. had in 1822 and 1823,	23 59
O BEE	Frederick Graff, for sundry bills paid by him,	28 48
383	Wages of workmen for June,	278 35
AGE AND VALUE OF THE PARTY OF T	J. Dela Meter, for 1 year's int. on lot in Callowhill St. due May 20, loseph Pierson, for straw, and 2 loads of hay,	33 33
365 August		35 98
IN PORTE	George & Jacob Peterman, for horse feed, Michael Williamson, for wrought iron,	28 15 80 00
	Jonah Thompson & Co. for nails, spikes, &c.	28 00
DESCRIPTION OF THE	Ann Smith, for hauling wood, pipes, gravel, &c	16 87
Ulcharter -	Wages of workmen for July,	420 60
386 Sept'r.	Lane Schofield, for repairs to cart and wagon,	10 20
o o o o o o o o o o o o o o o o o o o	Arabella Jones, for 6 months' ground rent, due Aug. 1,	13 33
ear to a	Alexander Purvis, for 46 1-2 yards forest cloth,	23 25
ALC: NO	Joseph Caskey, for part of 7 barrels of whiskey,	27 00
	Wages of workmen for August,	327 57
387 18	Ann Smith, for hauling gravel, &c. in August,	15 25
	George & Jacob Peterman, for horse feed,	12 52
	Michael Fox, for 7900 paving bricks,	55 30
	John Warnock, for nails, spikes, &c	31 28
	Sprogal Dear, for repairs to log wagon,	5 50
	Henry Bell, for lumber,	48 55
	Wages of workmen for September,	438 44
389 28	W. & C. Dilworth, for spades, shovels, and ironmongery,	45 00
CO POLICE	Samuel P. Wetherill & Co. for paints, oil, &c	20 00
13	Stephen Simmons, for lumber,	65 62
	Frederick Erringer, taxes on Cherry street estate for 1823, -	10 50
A Mara S	Rowley & Alberger, for plumber's work to pumps, &c	56 00
100	Israel Roberts, for copper pump balls, &c	51 00
390 Nov'r.	Ann Smith, for sundry hauling in September and October,	29 12
	Wages of workmen for October,	354 96
392 Dec'r. 1	John Turner & Co. for 3000 feet 1 1-4 inch heart boards,	66 00
	Alexander Purvis, for 35 yards forest cloth,	17 50
	Ann Smith, for hauling boards, sand, and logs, in November,	1687

No. 1823	Amount brought forward	Dolls. C. 4835 54	Dolls.	C
392 Dec'r.	Amount brought forward, 1 Dixey & Manderfield, for 20 pumps, nossels, and boxes,			
332 300 11	Wages of workmen for November,	297 13	3	
393	24 Joseph Pierson, for 250 bundles straw and 2 loads hay,	46 54		
	Israel Roberts, for 12 copper pump balls and cock rod,	31 50		
	Michael Williamson, for wrought iron,	22 24		
	William Riehle, for soal leather for pump boxes,	123 69 4 97		
	David Fisher, for glazing 38 lights of glass in workshops, John Warnock, for nails, pump tacks, &c.	4 18	1	
	Cartnell & English, for shoeing cart horse,	1743		
394	W. & C. Dilworth, for ironmongery,	21 69		
	William Davis, for chandlery,	5 60		
	Samuel P. Wetherill & Co. for paints, oil, &c.	14 07		
	Ann Smith, for 17 loads canal sand,	10 62		
	Wages of workmen for December,	323 01	5881	71
			2001	1
	Engines.			
270 M	TILL TAKE	1.0		
379 May	Henry J. Williams, for 6 months' rent of wood wharf, to April 15,	175 00		
380 June	2 John Marley, for cording and selling 288 3-4 cords wood,	17500		
Joogsane	at 6 cents,	1732		
386 Sept'r.	1 John Binns, for advertising sale of wood,	107		
	William Fry, for ditto,	107		
388 Oct'r.	Frederick Erdman, on account, for carpenters' work,	158 15		
	Joseph Morris, for measuring carpenters' work,	9 75 43 31		
389	Wages of workmen at general repairs to the building, 28 Frederick Erdman, for taking off old roof, repairs to	4331		
	rafters, &c.	48 12		
	Jacob Mayland & Co. for 11900 shingles, lumber, &c.	303 53		-
	Rhoads & Jeans, for lumber,	25 00		
	David Fisher, for painting and glazing,	181 14		
392 Dec'r.	Israel Roberts, for copper gutters, spouts, and repairs,	121 71 3 50	3	di
393	I Tennant & Highland, for marble copeing, Jonah Thompson & Co. for 2 casks of nails, -	1400		37
	Johan Thompson & Co. for 2 casks of hans,	1.500	1102	67
			3	118
	to the second of the second of the second			-
	Buildings.			
371 Jan'y.	4 W. Jones & Son, balance for rough casting and plaistering,	21179		
372	Jonathan Coffee, on account, for iron work to mills, - 24 Ezekiel Norman, on account, for mill gate screws,	500 00	-	
312	Struthers & Wilson, for soap stones for coal grate,	40 00 10 00		
	John Moore, for measuring, rough casting, and plaistering,	11 00		
	Thomas Carter, for hack hire in 1822,	6100		
	Joseph S. Walter, for putting up coal grates, -	9 50		
	John Markland, for 8 1-4 bushels plaster of Paris,	8 25		8:
118	N. & D. Sellers, for sand screen and 12 fire buckets,	45 62		
373 Feb'y.	Drury Bromly, for wages of self and workmen to Jan. 20,	377 89		
Jaco y.	Jonathan Coffee, on account, for smith work to mills, Frederick Erdman, on account, for carpenter's work,	500 00 100 00		
	J. & T. Carter, for hack hire,	35 00		
	or at out of another and			
	Amounts carried forward,	1910 05	6984	38
	В	*		

1000	A		Dolls. C
No. 1823.		1910 05	69843
373 Feb'y.	1 Wages of workmen for January,	135 02	
374	19 Ezekiel Norman, balance for cutting mill screws,	88 00	
1	John Naglee, for 416 feet bucket stuff,	14 56	
376 March	1 Jonathan Coffee, balance for iron work to mills,	555 90	
	James Greenham, for liquor for millwrights, &c.	1961	
	Wages of workmen for February,	63 45	
377	31 Frederick Erdman, on account, for carpenter's work,	50 00	
	David Fisher, on account, for painting and glazing,	100,00	
	Stephen Simmons, for sundry lumber,	11451	
	Samuel R. Wood, for 70 bushels of hair,	1600	
	Michael Williamson, for wrought iron,	50 63	
	Frederick Erdman, on account, for carpenters' work	15000	
	Wages of workmen for March,	46 00	
379 May	1 John Newsham, for fire-plug pattern for the pumps,	600	
	Henry J. Williams, for 6 months' rent of store-house, to		
	April 15,	75 00	
	Daniel Rubicam, for sundries,	39 50	
	Frederick Erdman, on account, for carpenters' work,	100 00	
	Wages of workmen for April,	107 79	
380 June		259 64	
Joogune	2 Frederick Erdman, balance for measured carpenters' w'k		
	J. S. Lewis & J. Bacon, for 2 casks Roman cement,	18 00	
	T. & J. Carter, for hack hire,	37 50	
no I	Wages of workmen for May,	5940	
882 July	1 William Byrne, for cutting holes in stone for iron railing,	18 70	
	William Jones & Son, for plaistering kitchen, &c	18 00	2 km (5 %)
	Thomas Bonsall, for lime,	20 37	
	James Greenham, for sundries,	8 51	al of
	Cobb & Johnson, for 2357 S-4 lbs. of iron railing, and		
	materials,	424 38	
	Frederick Graff, for bills paid by him	38 78	
383	10 David Fisher, balance for painting 3725 1-3 yards, and	1 1 1 2 1 1 1 2 E	
	glazing 393 lights,	275 71	
385 August	1 Daniel Rubicam, for sundries,	22 50	
	Jonah Thompson & Co. for nails and spikes, -	50 30	
	Frederick Erdman, on account, for carpenters' day work,	100 00	
86 Sept'r.	1 Francis Mitchell, poor tax on F. Mount estate for 1823,	105 00	
88 Oct'r.	1 Sellers & Pennock, for 200 ft. hose, brasses, &c	160 50	A AND D
,00	J. S. Lewis, for payment of services of Thomas Oakes,	100 00	
38 EX 1	Thomas Carter & Co. for hack hire,	2700	
	Joseph Morris, for measuring carpenters' work,	16 00	
00		11313	
89	28 Frederick Erdman, balance for carpenters' day work,	5789	
	W. & C. Dilworth, for ironmongery,	3109	
	Joseph Howell, for 19 loads Red Bank sand (omitted in	1400	
	1822)	14 25	
	Gorgas, Keyser, & Son, for lumber,	202 07	and the same
	Rhoads & Jeans, for ditto,	124 33	
	Samuel P. Wetherill & Co. for paints, oil, &c.	36 00	
CONT .	Stephen Simmons, for lumber,	84 74	
90 Nov'r.	1 Daniel Rubicam, for sundries,	21 43	
93 Dec'r.	1 Jacob Gardner, county, road, and health tax, on Fair	100	
	Mount estate, for 1823,	138 00	-
	Rush & Muhlenberg, for sundry castings,	23 90	
94	Joseph S. Lewis & J. Bacon, for 2 casks Roman cement,	1800	
1			62360
			10000
	Amount carried forward,	all of	13220 4
18	Constitution of the second of		

No. 1823	3. Amount brought forward,	Dolls. C.	Dolls. C 13220 45
	Reservoir. h.2_	B AsoA (0.00
379 May 380 June	1 Ann Smith, for hauling paving stone, gravel, &c. 2 John Turner & Co. for 90 red cedar posts, Hudson Carlisle, for paving 1546 yds. and ramming ditto, Ann Smith, for hauling 88 loads stone and 92 loads gravel	41 25 67 50 124 22 112 00	Bafune i
386 Sept'r.	Wages of workmen for May,	54 87 107 00 37 80	4 (4 L) E1
388 Oct'r.	fence, &c. 1 Ditto, ditto, Ditto, balance for measured work, Ditto, ditto, day work at curb, &c. Jacob Mayland & Co. for lumber	100 00 80 00 55 15 22 00 18 04	
	David Fisher, painting fence, three coats,	155 10	974 95
	Pumps.		
371 Jan'y. 374 Feb'y. 379 May	4 Rush & Muhlenburg, balance as per contract, 19 Ditto, for 2 new pump openings, valves, &c. 1 Ditto, for additional valves, seats, and work,	1222 22 744 33 613 48	2580 03
	Damages.	4 . 77 /2	8
372 Jan'y. 374 Feb'y. 375 383 July 390 Nov'r.	24 J. S. Lewis, for the payment of damages, 19 Ditto, do. 20 Ditto, do. 10 Ditto, do. 1 Ditto, do. 2 Ditto, do. 5 Ditto, do. 6 Ditto, do. 7 Frederick Graff, paid expenses of referees in 1822,	1000 00 4000 00 10500 00 2200 00 500 00 800 00 7 08	1900708
	Iron Pipes.	CALCAN CALCAN CALCAN MEDIAN	
371 Jan'y. 372 373 Feb'y. 376 March	4J. S. Lewis & J. Bacon, balance for iron pipes, 24 Edward Carr, for 134 lbs. screws and brasses for cocks, 1 Wages of workmen for January,	347 69 50 25 88 29 128 58 45 00 169 19 109 82	
	Amounts carried forward,	938 82	35782 4

		Dolls. C.	Dolls. C
Vo 1823	. Amounts brought forward,	938 82	35782 47
78 April	3 J. S. Lewis & J. Bacon, for 100 six-inch iron pipes, at		
, Direction	1 doll. 15 cts. per foot,	1035 00	
79 May	1 Rush & Muhlenberg, for iron castings,	65 40	
	Alexander Purvis, for 44 1-2 yards forest cloth,	22 25	
	Ann Smith, for sundry hauling, in Feb. Mar. and Apr.	14 90	
	Wages of workmen for April,	486 16	1 3
80 June	2 J. S. Lewis & J. Bacon, for 46 ten-inch pipes, porterage, &c.	1047 90	1
	Ann Smith, for hauling pipes,	15 80	
	Wages of workmen, fitting up and laying pipes, -	330 89	
81	12 Samuel Richards, for 150 ten-inch pipes,	3213 00	
82 July	1 Thomas Cope & Son, for 1 six-inch pipe,	10 25	21111111
02000	J. S. Lewis & J. Bacon, for 157 six and ten-inch pipes,	1335 33	
	Samuel Richards, on account, for ten-inch iron pipes, &c.		
	John C. Stocker, for 90 feet of three-inch pipes,	38 07	
	Wages of workmen for June,	726 77	
	Ann Smith, for hauling pipes in June,	35 87	
84	18 S. Richards, balance for 414 ten-inch pipes, branches, &c.	434002	
J-12	Samuel Haydock, for 500 feet 3-4 lead pipes, at 30 cts.	150 00	
85 Augus	Michael Williamson, for wrought iron,	60 25	
	Ann Smith, for hauling pipes in July,	24 00	
	Wages of workmen for July,	646 10	
86 Sept'r.	1 Samuel Hains, for levelling Pine and Front streets,	300	
ob sept 1.	Nathaniel Burt, for 6T. 0Cwt. 1qr. 10lb. of pig lead, and		11/1
	hauling,	724 30	
	Joseph Caskey, for part of 7 barrels of whiskey,	54 50	
	S. Richards, on account, for iron pipes, branches, &c.	3000 00	
1	Wages of workmen for August,	550 67	what to
37		20 50	
"	18 Ann Smith, for hauling pipes in August,	1931 51	
	Samuel Richards, balance for pipes and castings,	10 00	10.4
1	Richard E. Smith, for 10 days' wharfage of iron pipes, J. S. Lewis & J. Bacon, for 8 and 1 1-2 inch iron pipes,	927 47	
38 Oct'r.		3801	
BOCK I.	Henry Bell, for lumber,	74 17	
	Joseph Edwards, for 247 1-4 lbs. brass work,	297 76	
20	Wages of workmen for September,	40 00	
39	28 W. & C. Dilworth, for spades, shovels, &c.	100 99	-
11 000	William Davis, for spun yarn, rope, &c.	206 14	
11 114	Rowley & Alberger, for plumber's work, solder, &c.	750	
	Timothy Caldwell, for 1 ton fire clay, delivered,	171 10	AL COURT
Nov'r.	Wages of workmen for October,	3712	
Dec'r.	Joseph Edwards, for 123 3-4 lbs. of brass work,	31385	100
	S. Richards, for 4T. 3Cwt. 2qr. 22lb. sundry castings,		110101
	Wages of workmen for November,	13933	
93	24 Lehman & Roberts, for 1 carboy of vitriol,	536	
	Michael Williamson, for wrought iron,	20 00	
	William Riehle, for soal leather for press, &c.	43 40	-
	John Newsham, for making cock patterns, and materials,	50 00	
	Rush & Muhlenberg, for castings,	24 93	
94	William Davis, for spun yarn, &c	60 16	
	Elijah & T. Dallett, for tallow,	23 31	
	J. S. Lewis & J. Bacon, porterage of iron pipes, &c.	849	
	Wages of workmen for December	110 25	7,000
	Law, for 115 Hm, merels and brases for cortical 1920s	ons //	25672 60
	Amount carried forward,		6145507
	to a work and to the to the second to the second to	it mot	
	enter Access to allow on gravill managements	19844	
1,32738	is 500 Incomit toirms nonemA		
		1 "	

No. 1823	Amount brought forward,	Dolls. C.	61455 0
	Dam, Locks, &c.		
376 March	1 Joshua & Samuel Emlen, for stone, &c. charged to A.		
Viarcii	Cooley's account,	179 94	
378 April	3 A. Cooley's estate, balance for building dam, locks, &c. Harvey Lewis, for a vase presented to F. Graff, by the	1505 30	· vinital
	Committee,	245 00	
79 May	Daniel Rubicam, for sundries,	30 00	L MARIE T
80 June	2 Thomas Carter & Co. for hack hire,	25 00	and the
82 July	1 Wages of workmen in June, backing the dam, &c	61 25	INVEST
85 August	Wages of workmen in July, backing the dam, and of	26 80	A STATE OF
86 Sept'r.	gate-keeper - do.	122 29	1000
88 Oct'r.	Ditto, in August, do. 1 Thomas Carter & Co. for hack hire,	95 50 27 00	2114 K 1 6
1	Wages of workmen for September,	125 00	100
90 Nov'r.	Daniel Rubicam, for sundries,	22 00	
	Wages of workmen for October,	115 25	
92 Dec'r.	1 J. Greenham, for whiskey for men backing the dam, &c.	23 42	
	Wages of workmen for November,	103 80	
93	24 Daniel Rubicam, for sundries,	8 25	
	Samuel Rush, for recording deed, &c	220	
94	Wages of workmen for December	54 75	07707
			27727
	VV. Stallt, for sundries for	Sermis pol	100
	Water Power.	e a maid 193 Aridaki II Burada II	nla Santa
73 Feb'y.	Water Power. 1 Wages of workmen, working machinery, for January,	93,00	orla Smgle
	1 Wages of workmen, working machinery, for January, 1 Caleb Hathaway, for 31 gallons lamp oil,	93 00 25 11	gala Sagla yalla yalla
76 March	Wages of workmen, working machinery, for January, Caleb Hathaway, for 31 gallons lamp oil, Wages of workmen for February,		p.16 Sagita Spirit Spiri Spiri Spirit Spirit Spirit Spirit Spirit Spirit Spirit Spirit
76 March	Wages of workmen, working machinery, for January, Caleb Hathaway, for 31 gallons lamp oil, Wages of workmen for February, Ditto, for March,	25 11 84 00 93 00	Mic July Lily Lily Migra Nov't.
76 March 77 5 79 May	Wages of workmen, working machinery, for January, Caleb Hathaway, for 31 gallons lamp oil, Wages of workmen for February, Ditto, for March, Ditto, for April,	25 11 84 00 93 00 90 00	Mr. Usy Lay Megu Nove Dank
76 March 77 79 May	Wages of workmen, working machinery, for January, Caleb Hathaway, for 31 gallons lamp oil, Wages of workmen for February, Ditto, for March, Ditto, for April, James Greenham, for 5 tons Schuylkill coal,	25 11 84 00 93 00 90 00 49 00	n IA Santi yali mga A
76 March 77 79 May	Wages of workmen, working machinery, for January, Caleb Hathaway, for 31 gallons lamp oil, Wages of workmen for February, Ditto, for March, Ditto, for April, James Greenham, for 5 tons Schuylkill coal, Henry Pratt, for 33 gallons olive oil,	25 11 84 00 93 00 90 00 49 00 41 25	Aleganic July Alegan Davis
76 March 77 79 May June	Wages of workmen, working machinery, for January, Caleb Hathaway, for 31 gallons lamp oil, Wages of workmen for February, Ditto, for March, Ditto, for April, James Greenham, for 5 tons Schuylkill coal, Henry Pratt, for 33 gallons olive oil, Wages of workmen for May,	25 11 84 00 93 00 90 00 49 00 41 25 93 00	M.e. Jage Maga Nove Dank
76 March 77 5 79 May 30 June	Wages of workmen, working machinery, for January, Caleb Hathaway, for 31 gallons lamp oil, Wages of workmen for February, Ditto, for March, Ditto, for April, James Greenham, for 5 tons Schuylkill coal, Henry Pratt, for 33 gallons olive oil, Wages of workmen for May, R. M. & L. Lewis, for 8 1-2 tons Schuylkill coal,	25 11 84 00 93 00 90 00 49 00 41 25 93 00 84 05	M.c. Jane Jane Sark Dark
76 March 77 5 79 May 30 June 31 1	Wages of workmen, working machinery, for January, Caleb Hathaway, for 31 gallons lamp oil, Wages of workmen for February, Ditto, for March, Ditto, for April, James Greenham, for 5 tons Schuylkill coal, Henry Pratt, for 33 gallons olive oil, Wages of workmen for May, R. M. & L. Lewis, for 8 1-2 tons Schuylkill coal, Wages of workmen for June,	25 11 84 00 93 00 90 00 49 00 41 25 93 00 84 05 90 00	Santa Santa Santa Santa Santa
76 March 77 5 79 May 80 June 81 1 82 July 85 August	Wages of workmen, working machinery, for January, Caleb Hathaway, for 31 gallons lamp oil, Wages of workmen for February, Ditto, for March, Ditto, for April, James Greenham, for 5 tons Schuylkill coal, Henry Pratt, for 33 gallons olive oil, Wages of workmen for May, R. M. & L. Lewis, for 8 1-2 tons Schuylkill coal, Wages of workmen for June, Ditto, for July,	25 11 84 00 93 00 90 00 49 00 41 25 93 00 84 05 90 00 93 00	Santa Santa Maria Maria Maria
76 March 77 5 79 May 80 June 81 1 82 July 85 August 86 Sept'r.	Wages of workmen, working machinery, for January, Caleb Hathaway, for 31 gallons lamp oil, Wages of workmen for February, Ditto, for March, Ditto, for April, James Greenham, for 5 tons Schuylkill coal, Henry Pratt, for 33 gallons olive oil, Wages of workmen for May, R. M. & L. Lewis, for 8 1-2 tons Schuylkill coal, Wages of workmen for June, Ditto, for July, Caleb Hathaway, for 28 1-2 gallons lamp oil, Wages of workmen for August,	25 11 84 00 93 00 90 00 49 00 41 25 93 00 84 05 90 00	M.c. Sept. M.c. M.c. M.c. M.c. M.c.
76 March 77 5 79 May 80 June 81 1 82 July 85 August 86 Sept'r.	Wages of workmen, working machinery, for January, Caleb Hathaway, for 31 gallons lamp oil, Wages of workmen for February, Ditto, for March, Ditto, for April, James Greenham, for 5 tons Schuylkill coal, Henry Pratt, for 33 gallons olive oil, Wages of workmen for May, R. M. & L. Lewis, for 8 1-2 tons Schuylkill coal, Wages of workmen for June, Ditto, for July, Caleb Hathaway, for 28 1-2 gallons lamp oil, Wages of workmen for August, Lehigh Coal and Navigation Company, for 8 tons coals,	25 11 84 00 93 00 90 00 49 00 41 25 93 00 84 05 90 00 93 00 12 20 93 00	South South
76 March 77 5 79 May 80 June 81 1 82 July 85 August 86 Sept'r.	Wages of workmen, working machinery, for January, Caleb Hathaway, for 31 gallons lamp oil, Wages of workmen for February, Ditto, for March, Ditto, for April, James Greenham, for 5 tons Schuylkill coal, Henry Pratt, for 33 gallons olive oil, Wages of workmen for May, R. M. & L. Lewis, for 8 1-2 tons Schuylkill coal, Wages of workmen for June, Ditto, for July, Caleb Hathaway, for 28 1-2 gallons lamp oil, Wages of workmen for August, Lehigh Coal and Navigation Company, for 8 tons coals, and extra hauling,	25 11 84 00 93 00 90 00 49 00 41 25 93 00 84 05 90 00 93 00 12 20 93 00	Santa Santa Augusta Santa Sa Santa Santa Santa Sa Santa Santa Sa Sa Sa Santa Sa Sa Sa Sa Sa Sa Sa Sa Sa Sa Sa Sa Sa
76 March 77 5 79 May 30 June 31 1 32 July 35 August 36 Sept'r.	Wages of workmen, working machinery, for January, Caleb Hathaway, for 31 gallons lamp oil, Wages of workmen for February, Ditto, for March, Ditto, for April, James Greenham, for 5 tons Schuylkill coal, Henry Pratt, for 33 gallons olive oil, Wages of workmen for May, R. M. & L. Lewis, for 8 1-2 tons Schuylkill coal, Wages of workmen for June, Ditto, for July, Caleb Hathaway, for 28 1-2 gallons lamp oil, Wages of workmen for August, Lehigh Coal and Navigation Company, for 8 tons coals, and extra hauling, Wages of workmen for September,	25 11 84 00 93 00 90 00 49 00 41 25 93 00 84 05 90 00 93 00 12 20 93 00 70 20 90 00	Sant Sant Sant Sant Sant Sant Sant Sant
76 March 77 5 79 May 30 June 31 1 32 July 35 August 36 Sept'r.	Wages of workmen, working machinery, for January, Caleb Hathaway, for 31 gallons lamp oil, Wages of workmen for February, Ditto, for March, Ditto, for April, James Greenham, for 5 tons Schuylkill coal, Henry Pratt, for 33 gallons olive oil, Wages of workmen for May, R. M. & L. Lewis, for 8 1-2 tons Schuylkill coal, Wages of workmen for June, Ditto, for July, Caleb Hathaway, for 28 1-2 gallons lamp oil, Wages of workmen for August, Lehigh Coal and Navigation Company, for 8 tons coals, and extra hauling, Wages of workmen for September, William Davis, for chandlery,	25 11 84 00 93 00 90 00 49 00 41 25 93 00 84 05 90 00 93 00 12 20 93 00 70 20 90 00 42 00	South Control of the
76 March 77 3 79 May 30 June 81 1 82 July 85 August 86 Sept'r.	Wages of workmen, working machinery, for January, Caleb Hathaway, for 31 gallons lamp oil, Wages of workmen for February, Ditto, for March, Ditto, for April, James Greenham, for 5 tons Schuylkill coal, Henry Pratt, for 33 gallons olive oil, Wages of workmen for May, R. M. & L. Lewis, for 8 1-2 tons Schuylkill coal, Wages of workmen for June, Ditto, for July, Caleb Hathaway, for 28 1-2 gallons lamp oil, Wages of workmen for August, Lehigh Coal and Navigation Company, for 8 tons coals, and extra hauling, Wages of workmen for September, William Davis, for chandlery, Samuel P. Wetherill & Co. for oil, emory, whiting, &c.	25 11 84 00 93 00 90 00 49 00 41 25 93 00 84 05 90 00 93 00 12 20 93 00 70 20 90 00 42 00 16 09	
76 March 77 79 May 80 June 81 82 July 85 August 86 Sept'r. 88 Oct'r.	Wages of workmen, working machinery, for January, Caleb Hathaway, for 31 gallons lamp oil, Wages of workmen for February, Ditto, for March, Ditto, for April, James Greenham, for 5 tons Schuylkill coal, Henry Pratt, for 33 gallons olive oil, Wages of workmen for May, R. M. & L. Lewis, for 8 1-2 tons Schuylkill coal, Wages of workmen for June, Ditto, for July, Caleb Hathaway, for 28 1-2 gallons lamp oil, Wages of workmen for August, Lehigh Coal and Navigation Company, for 8 tons coals, and extra hauling, Wages of workmen for September, William Davis, for chandlery, Samuel P. Wetherill & Co. for oil, emory, whiting, &c. Wages of workmen for October,	25 11 84 00 93 00 90 00 49 00 41 25 93 00 84 05 90 00 93 00 12 20 93 00 42 00 16 09 93 00	South
76 March 77 79 May 80 June 81 82 July 85 August 86 Sept'r. 88 Oct'r. 89 90 Nov'r.	Wages of workmen, working machinery, for January, Caleb Hathaway, for 31 gallons lamp oil, Wages of workmen for February, Ditto, for March, Ditto, for April, James Greenham, for 5 tons Schuylkill coal, Henry Pratt, for 33 gallons olive oil, Wages of workmen for May, R. M. & L. Lewis, for 8 1-2 tons Schuylkill coal, Wages of workmen for June, Ditto, for July, Caleb Hathaway, for 28 1-2 gallons lamp oil, Wages of workmen for August, Lehigh Coal and Navigation Company, for 8 tons coals, and extra hauling, Wages of workmen for September, William Davis, for chandlery, Samuel P. Wetherill & Co. for oil, emory, whiting, &c. Wages of workmen for October, Ditto, for November,	25 11 84 00 93 00 90 00 49 00 41 25 93 00 84 05 90 00 93 00 12 20 93 00 42 00 16 09 93 00 90 00	South State of the Country of the Co
76 March 77 79 May 80 June 81 82 July 85 August 86 Sept'r. 88 Oct'r. 89 90 Nov'r. 92 Dec'r.	Wages of workmen, working machinery, for January, Caleb Hathaway, for 31 gallons lamp oil, Wages of workmen for February, Ditto, for March, Ditto, for April, James Greenham, for 5 tons Schuylkill coal, Henry Pratt, for 33 gallons olive oil, Wages of workmen for May, R. M. & L. Lewis, for 8 1-2 tons Schuylkill coal, Wages of workmen for June, Ditto, for July, Caleb Hathaway, for 28 1-2 gallons lamp oil, Wages of workmen for August, Lehigh Coal and Navigation Company, for 8 tons coals, and extra hauling, Wages of workmen for September, William Davis, for chandlery, Samuel P. Wetherill & Co. for oil, emory, whiting, &c. Wages of workmen for October, Ditto, for November, Caleb Hathaway, for 31 gallons lamp oil,	25 11 84 00 93 00 90 00 49 00 41 25 93 00 84 05 90 00 93 00 12 20 93 00 42 00 16 09 93 00 90 00 17 98	Sant Sant Sant Sant Sant Sant Sant Sant
79 May 80 June 81 July 85 August 86 Sept'r. 88 Oct'r. 89 Nov'r.	Wages of workmen, working machinery, for January, Caleb Hathaway, for 31 gallons lamp oil, Wages of workmen for February, Ditto, for March, Ditto, for April, James Greenham, for 5 tons Schuylkill coal, Henry Pratt, for 33 gallons olive oil, Wages of workmen for May, R. M. & L. Lewis, for 8 1-2 tons Schuylkill coal, Wages of workmen for June, Ditto, for July, Caleb Hathaway, for 28 1-2 gallons lamp oil, Wages of workmen for August, Lehigh Coal and Navigation Company, for 8 tons coals, and extra hauling, Wages of workmen for September, William Davis, for chandlery, Samuel P. Wetherill & Co. for oil, emory, whiting, &c. Wages of workmen for October, Ditto, for November,	25 11 84 00 93 00 90 00 49 00 41 25 93 00 84 05 90 00 93 00 12 20 93 00 42 00 16 09 93 00 90 00	South Control of the
76 March 77 79 May 80 June 81 82 July 85 August 86 Sept'r. 88 Oct'r. 89 90 Nov'r. 92 Dec'r.	Wages of workmen, working machinery, for January, Caleb Hathaway, for 31 gallons lamp oil, Wages of workmen for February, Ditto, for March, Ditto, for April, James Greenham, for 5 tons Schuylkill coal, Henry Pratt, for 33 gallons olive oil, Wages of workmen for May, R. M. & L. Lewis, for 8 1-2 tons Schuylkill coal, Wages of workmen for June, Ditto, for July, Caleb Hathaway, for 28 1-2 gallons lamp oil, Wages of workmen for August, Lehigh Coal and Navigation Company, for 8 tons coals, and extra hauling, Wages of workmen for September, William Davis, for chandlery, Samuel P. Wetherill & Co. for oil, emory, whiting, &c. Wages of workmen for October, Ditto, for November, Caleb Hathaway, for 31 gallons lamp oil, Elijah & Thomas Dallett, for tallow,	25 11 84 00 93 00 90 00 49 00 41 25 93 00 84 05 90 00 93 00 12 20 93 00 42 00 16 09 93 00 90 00 17 98 19 80	14726
76 March 77 79 May 80 June 81 82 July 85 August 86 Sept'r. 88 Oct'r. 89 90 Nov'r. 92 Dec'r.	Wages of workmen, working machinery, for January, Caleb Hathaway, for 31 gallons lamp oil, Wages of workmen for February, Ditto, for March, Ditto, for April, James Greenham, for 5 tons Schuylkill coal, Henry Pratt, for 33 gallons olive oil, Wages of workmen for May, R. M. & L. Lewis, for 8 1-2 tons Schuylkill coal, Wages of workmen for June, Ditto, for July, Caleb Hathaway, for 28 1-2 gallons lamp oil, Wages of workmen for August, Lehigh Coal and Navigation Company, for 8 tons coals, and extra hauling, Wages of workmen for September, William Davis, for chandlery, Samuel P. Wetherill & Co. for oil, emory, whiting, &c. Wages of workmen for October, Ditto, for November, Caleb Hathaway, for 31 gallons lamp oil, Elijah & Thomas Dallett, for tallow,	25 11 84 00 93 00 90 00 49 00 41 25 93 00 84 05 90 00 93 00 12 20 93 00 42 00 16 09 93 00 90 00 17 98 19 80	dounts of the state of the state of

Vo. 1823.	Amount brought forward,	Dolls. C.	Dolls. 65700 5
	North-East Reservoir. 4.3		
372 Jan'y. 24 Th	nomas M'Guire, on account, for digging,	3000	NO SHE WAS A
373 Feb'y. 1	Ditto, do	75 00	
19	Ditto, do	60 00	
377 March 31	Ditto, do.	75 00	Appropriate Party
70 April 2	Ditto, do do do.	70 00 50 00	2000
378 April 3 379 May 1 Ar	in Smith, for hauling stone and gravel -	15 93	0000
	nomas M'Guire, on account, for digging, -	75 00	
	ages of workmen for April, building circular wall, &c.	40 25	
	nomas M'Guire, balance for digging 7059 yds. &c.	355 28	n light /di
86 Sept'r. 1 Sa	muel Hains, for measuring dirt removed	500	851
100	t wishing on and market		031
Al les Ti	or workings the Comment		
121 121	algors, for whicher for men bucking the dam, (see)	J. Gree	Deck
100 000	Incidentals.	enga W	
35	Includinas.	Dun G 12	1
70 Ian'v 94 I	S. Walter, for building coal grates in Register's office,	THEN NO.	. 1
72 Jan y. 245.	and materials	908	
S.	Kennedy, for a gilt frame for ditto,	500	1
76 March 1 Ma	arcus Young, for making fires, &c. in ditto,	800	
77 29 Sa	muel W. Rush, for sundries for ditto,	6 93	
	bert Desilver, for stationary for ditto,	41 33	
	arcus Young, services in ditto, muei W. Rush, for sundries for ditto,	1200	
82 July 1 Sar	muel W. Rush, for sundries for ditto, arcus Young, services in ditto, in June	287	
os rugust 1	and July,	600	hard/
90 Nov'r. 1	Ditto, do. in Aug. Sept'r. and Oct'r.	1000	
	bert Desilver, stationary for Register's office,	29 76	
	dia R. Bailey, for printing notices, &c.	1700	Nation of
94 W	. & G. Hyde, for stationary for the Superintendent,	1461	160
	The particular policy and the particular par	Section of the Parishment Sections of the Section o	162
		19 19 80	
1 India	2) - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	10/11	17000
	Salaries.	Malita	m du Maria
	of which many low from the second to		
	nuel W. Rush, for 1 quarter's salary, due March 14,	125 00	2000 B
	ederick Graff, for ditto, due April 1,	500 00	
	nuel W. Rush, ditto,	125 00 25 00	
	nes Young, 6 months' ditto, due July 1, ederick Graff, 1 quarters' ditto,	500 00	
	nuel W. Rush, ditto, Sept'r. 14, &c.	129 00	15705
Fre	ederick Graff, ditto, due Oct'r. 1,	500 00	2 00C
93 Dec'r. 24 Sar	nuel W. Rush, ditto, due Dec'r. 14,	125 00	
Jan	nes Young, 6 months' ditto, due Dec'r. 31,	25 00	
Fre	ederick Graff, 1 quarters' ditto, do.	500 00	2554
00101		Personal Spiritual Spiritu	2554
	·		

ABSTRACT OF PAYMENTS

MADE BY THE

WATERING COMMITTEE,

From Dec'r. 31, 1822, to Dec'r. 31, 1823.

														1	C.
	Distribution,			-		-		-						5881	2000
	Engines,		01 -				wo		-					1102	67
	Buildings,					-				-				6236	05
	Reservoir,				-				10				n: 2	974	93
Sept.	Pumps,					**								2580	03~
	Damages,	-	10 -										10- EEEL 19	19007	08
	Iron Pipes,		754										Sile	25672	60
	Dam, Locks	, &c									-		7 0000 8	2772	75
	Water Powe					4		-					are while	1472	
	North-East I								-		-		-nº3	851	
	Incidentals,		67.0	4				-		**		-	D/ 154 / 10	162	
	Salaries,	-	4								4			2554	Carrier Co.
		UT 250 A												69268	

No. 2.

SUMS PAID INTO THE TREASURY

BY THE SUPERINTENDENT,

From Dec'r. 31, 1822, to Dec'r. 31, 1823.

1823.	·	Dolls.	C.
Feb'v. 17 To John Ba	acon, Treasurer, 1 quarter's rent of lower engine house,		1
	, &c. sold,	131	75
March 3 To ditto		456	
20 To ditto	, 0, 11,	371	
April 4To ditto		3/1	102
	\$ 260 31; old brass, do. \$ 54 00; \$ 1505 30, drawn	HEL TH	
	the Treasury to close the account of Ariel Cooley; and		
5 494 C 41	1 70, remitted by administrators to A. Cooley's estate,	1.012	1
for th	e completion of his contract for building dam, locks, &c.	1151	
toget		2647	1
May 2 To ditto		103	1
12 To ditto		232	95
June 7 To ditto	do. &c. and 1 quarter's rent of lower eng. h.	120	75
July 1 To ditto	, do. old pipes, &c	74	40
August20 To ditto	, do.	47	00
Sept'r. 29 To ditto	do. &c. and I quarter's rent of lower eng. h.	118	00
Nov'r. 4 To ditto		356	1
Dec'r. 15 To ditto		118	1
		4778	3 95

N. B. In the above account, \$1796 55 is included for 419 cords of wood, sold after the new works were put in operation.

No. 3.

STATEMENT OF PIPE,

USED IN REPAIRS, AND LAID,

From Dec'r. 31, 1822, to Dec'r. 31, 1823.

	Feet.	Feet
The Report for 1822 accounted for 3440 feet of wooden pipes on hand for repairs; in 1823, the repairs exceeded that amount, being 3754 feet. This excess has been supplied with old pipes removed where iron has been haid; and there is a surplus sufficient for the repairs of 1824.	man O	2000
Since the commencement of laying iron pipes, the following have been laid down:— In 1819 and 1820, there were laid, pipes of 20 and 22 inches diameter, feet 9570 In 1821 and 1822, of various diameters, - 24510 In 1823 ditto, - 14993 49073	n uconi con In C	
Pipes laid in 1823, as follows:— 10 inch pipes, from Front to Broad street, on the north side of Chesnut, Ditto, ditto, branches, &c. attached to ditto, and pipes of 3, 4, and 6 inches, 8 inch pipes. Front street, from Union to Cedar, Ditto, Front street, from Chesnut to High,	940 481	61'
Ditto, ditto, branches, and pipes of 3, 4, and 6 inches, - 6 inch pipes, north side of High street, from Eleventh to Juniper, Ditto, Pine street, from Front to the west side of Second, Ditto, Second street, from Chesnut to Vine, Ditto, Fourth street, from High to the north side of Mulberry, Ditto, across High street, at Ninth and Tenth,	1142 606 2635 694 234	, ling
4 inch pipes, leading into the N. E. public square, for a fire-plug, 3 inch pipes, Church alley, westward from Second street, Ditto, Marble street, from Tenth to Eleventh, Ditto, Bingham's court,	140 422 268	531
1 1-2 inch pipes, Dean's alley, westward of Eighth street, Ditto, George street, westward of Thirteenth,	170 108 138	41
Ditto, Miller's alley, eastward of Sixth street,		4

No. 4.

Account of Iron Pipes on hand.

4 6 8	inch pipes, inch ditto, inch ditto, inch ditto, inch ditto,	25 88 8 3 7	9 feet each, ditto, ditto, ditto, ditto,	225 fee 792 de 72 de 27 d 63 d	o. \$	1 1	45 64 15 67 38	cents	(¥)	0.2	- 4	Dolls. 0 101 2 506 8 82 8 45 0 149 9
		-	Together,	1179 fe	et.							
			p-cocks, &c. o l, at \$6 25 p					*	B.V.	i lo		500 0 125 0
E8/97785												15109

No. 5.

ESTIMATE FOR THE YEAR 1824.

Fair Mount Works, for sundry jobbing and attendance at the works, for workmen backing in the dam, &c. for keeping lock-gates,		1500 00 456 00 900 00 144 00
		3000 00
Distribution.—For boring 1200 feet of pipe timber on hand,	120 00	oT.
sundry castings of iron and brass,	800 00	For
hydrant pumps and fixtures,	400 00	W.
repairs of conduits, pumps, fire-plugs, &c.	400000	188
10,000 feet of lumber,	400 00	
salaries of Superintendent, Register, and messenger,	255000	
incidentals,	730 00	9000 00
		12000 00

FREDERICK GRAFF,

Superintendent of the Water Works.

No. 6.

STATEMENT

OF

THE ACCOUNT OF WATER RENTS FOR 1823.

Amount of Water Rents, as received from the Collectors Less, for allowances and commissions,	Dolls. C. 25377 50 1597 88
	2577962

No. 7.

Amount of Water Rents, and for Repaving, received by the Register, from December 1, 1822, to December 31, 1823, and paid into the Treasury.

	- Mariery - To		desig		day on Shada di sirana	a ma		and in		Dolls.	
	Total amount received, -							-		2233	47
	For repaying,		-					\$ 448	65		
	Water rents, in advance, and	also by	deline	quents		8	1726				
Ų	234 permits, at 25 cents,							50			
						-		1784	4 82		
					British	Mary 9	A COLL	locations.		2233	47
							garana ta	Dill.		1	

No. 8.

Dwellings, Manufactories, and Institutions,

Supplied with the Schuylkill Water, to the 31st December, 1823.

	Contraction of the contraction o	Dolls. C.	
	Horses,	at 100	1920
65	Houses in courts,	200	1300
7	Ditto do	2 15	150
16	Ditto do	250	400
401	Baths in the city,	3 00	12030
19	Ditto in the county,	4 50	85 5
758	Dwellings, schools, churches, &c	5 00	187900
5	Dwellings,	6 00	300
3	Bake-houses,	700	210
103	Dwellings in the county,	7 50	7725
	Hatters, &c	8 00	1920
5	Hydrant pumps, vinegar yard, &c	900	450
81	Inns, stables, banks, &c	1000	8100
	Soap factories, dyers, &c	1200	960
12	Dyers, &c	13 00	1560
	Distillers, soap boilers, &c	15 00	8100
	Sugar-houses, distilleries, &c	20 00	6400
	Hatter,	1700	170
	Hydrant in Shields's court,	22 00	220
1	Ditto in Branner's court,	2000	20.0
	Livery stables,	24 00	480
	Sugar-houses, hatters, inns, &c	25 00	4000
	Soap factories, dyers, and prisons,	30 00	3300
2	Breweries,	34 00	680
	Tan-yards, stables, and manufactories,	35 00	2100
	Breweries, stables, dyers, &c	40 00	2800
	Breweries, hospitals, dyers, &c.	50 00	3000
	Breweries,	5900	118
1	Ditto	70 00	700
1	Ditto,	100 00	100
1	Bath-house,	80 00	800
	Alms-house,	100 00	1000
	is kind-nouse,	100 00	100
44			26191

SAMUEL W. RUSH,

Register.

No. 9.

AMOUNT

OF.

DUPLICATES OF WATER RENTS,

FOR THE YEAR 1824.

Ward,										Dolls. C.
		-		-		-	1	-	1856'00	
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from del	lingu	ients	. W	ater	rents	for	1824	D pale	13650	0000
							**	-	7,400,700	WARE -
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