

# **REPORT**

OF THE

## **WATERING COMMITTEE,**

TO THE

**SELECT AND COMMON COUNCILS.**

READ JANUARY 13, 1825.

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PUBLISHED BY ORDER OF THE COUNCILS.

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*PHILADELPHIA:*

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1825.

REPORT

OF THE

WATERING COMMITTEE

TO THE

SENATE AND HOUSE OF REPRESENTATIVES

AND JUDICIAL DEPARTMENT

FOR THE YEAR 1884

WASHINGTON

PRINTED BY THE SENATE AND HOUSE OF REPRESENTATIVES

1885

# ANNUAL REPORT

## OF THE

# WATERING COMMITTEE.

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*To the Select and Common Councils of the City of Philadelphia.*

THE WATERING COMMITTEE respectfully present their Annual Report and Accounts.

It will appear, by the Report of last year, that there was appropriated for laying Iron Pipes for 1824, the sum of	\$ 42,040 32
Of which there was expended	38,475 75
Leaving unexpended	3,564 57

By a Resolution of Councils on the 16th of September last, the Watering Committee were authorized to contract for such iron pipes as they might deem necessary for 1825, not exceeding in amount twenty thousand dollars. They have accordingly contracted for 480 pipes of 12 inches, 206 pipes of 10 inches, 52 pipes of 6 inches, and 110 pipes of 4 inches diameter, amounting to	\$ 14,500 00
And the expenses of lead, laying, &c. will amount to	7,250 00
Being together	21,750 00
From which, deducting the sum unexpended, as above stated,	3,565 00
There remains to be provided	18,185 00

which the Committee recommend should be raised by loan; and they herewith offer the draft of an Ordinance accordingly.

The amount expended for distribution, for raising water, for work upon the dam and canal, purchase of surplus water power, salaries, &c. was	\$ 40,790 01
For which there was appropriated	12,000 00
And also by Ordinance of 3d June, 1824, for purchase of	
water power,	26,000 00
	38,000 00
Showing an excess of expenditure of	2,790 01

the cause of which will be explained, in a subsequent part of this Report.

To meet this excess, and the amount estimated for raising water, distribution, &c. for the year 1825, there is in the Treasury, arising from water rents of 1824, the sum of	\$ 25,135 29
Paid into the Treasury by the Superintendent, for rent of old engine-house, and articles sold,	843 08
Also paid into the Treasury by the Register, for repaving over private pipes,	569 00
For water rents in advance for 1824, and for permits,	869 91
	<u>1,438 91</u>
Amounting together to	27,417 28
Applicable to the payment of the above mentioned excess of	2,790 01
And also to amount estimated for 1825, per Account No. 5,	14,147 89
	<u>16,937 90</u>
Leaving a surplus of	10,479 38
to go in aid of the other City Funds, in lieu of taxes.	

The sum remaining unexpended for damages for overflowing ground, as appears by last Report, was	\$ 9,636 09
Of which there was expended	2,943 18
Leaving for this object	<u>6,692 91</u>

It will be seen that the appropriations have exceeded the expenditures, except for Fair Mount Works, which has exceeded the appropriation by \$ 2,790 01, arising from a desire on the part of the Committee to strengthen the Dam by a plentiful backing of earth and small stones, and at the same time adding to its tightness, upon which depends its value. The Committee believe they have succeeded in this object, and that not much remains to be done. The quantity of materials deposited was about ten thousand cubic yards, principally in the deepest water, and raised above the over-fall of the Dam, which has afforded a fair opportunity of ascertaining its tightness. Some further backing, towards the western end, will yet be required.

Another cause of the excess was contingent on the purchase of the whole Water Power of the River, and the delivery to the City of the Canal and Locks opposite Fair Mount. As soon as possession was taken, it was found that owing to the peculiar location of the lower end of the Canal, and the want of a sufficient bank on the west side, a very considerable quantity of earth had been washed in and choked the mouth, which it was necessary to remove, and to extend the bank about 110 feet further south: this has been done, and the Committee believe it will be effectual.

When the present lock-gates were put in, they were done according to the examples before us at other works; but the plan is found to be defective; besides which, a great waste of water takes place from the wickets in the present form, an object of great importance to the City, now possessing all the water power.

It has therefore been found indispensable to put in new gates, the timber for which is contracted for, and partly delivered; the estimate for which, and the backing, and other work relating to the new purchase, will be found in the estimates of the present year. The truest economy will be found in doing the work substantially at first: this is fully exemplified by the New Mills and Works, which have been in operation for upwards of two years, without requiring, or appearing to require for a long time to come, any repairs whatever.

It will be seen by the Accounts, that the annual cost of working the wheels and pumps falls short of the estimate, the expenses being only three dollars and seventy cents per day, for which, in case it should be required, four millions of gallons of water can be raised, and increased to three times that quantity without doubling the expenditure.

On the score of damages, the Committee have little to add to their Annual Report of last year. A very material claim of eighteen thousand dollars for the Bridge at the Falls, was determined in favour of the City, in February last.

Although a greater extent of Iron Pipes has been laid during the past year than was estimated for, yet, owing to the decrease in the price of pipes, and the expense of laying, arising from a regular system, there is an excess of - \$ 3,564 57  
To which may be added the excess of the stock of pipes, stop-cocks, &c.

on hand, beyond the quantity at the end of the year 1823,	-	2,501 55
Making a total of	- - - - -	<u>6,066 12</u>

The new contract for iron pipes, authorized by Councils on the 16th of September last, has been made on terms still more favourable than the last; and as a very material advance has taken place abroad on the price of iron, it may be considered fortunate that the opportunity was seized to procure this contract, which is already well forward in its execution.

The quantity of Iron Pipes laid in 1824 was 20,500 feet, and of wooden pipes 1055 feet, besides 2017 feet of wooden pipes used in repairs, which the Committee are happy to say is very little more than one-half the quantity used in repairs in 1823, which may be attributed to the laying of iron pipes in lieu of the wooden pipes, in the most defective parts. The wooden pipes laid in new situations have been put down only where there was no pavement, or where it is intended to lay a main, the expense of which for a short distance at the present moment would do away all the benefit derived by the City from a sale of so limited a quantity of water. The whole quantity of iron main and pipes laid, to the present period, is in extent upwards of thirteen miles.

Agreeably to the Ordinance of 3d June, 1824, the purchase of the whole Water Power of the River Schuylkill at Fair Mount was made from the Navigation Company. The value of this property it is difficult to estimate, but it is unquestionably of great importance to the City, and by proper employment may be made essentially beneficial to the City revenue. The sale of it to manufacturers,

to be used on the Schuylkill, is one mode which will be advantageous; and another has been suggested, of supplying a Canal from the Schuylkill to the Delaware. Both these objects may be accomplished: but, without a more extensive knowledge than the Committee at present possess, they do not venture to express any opinion upon the best mode of employing it. The Committee have already looked into the subject, and propose to make further inquiries, so as to enable them fully to report to Councils for their decision, should Councils approve of their doing so; they herewith offer a Resolution on the subject.

The purchase of the ground next east of the Reservoir, with certain privileges, from Messrs. Biddle, Nixon, and Williams, has been completed, agreeably to the Ordinance of 3d June last. With a view to ascertain precisely the lines of this, as well as the former purchases at Fair Mount, it was found necessary to have a complete survey made of the City property, and part of the adjacent grounds, and to place suitable corner-stones: this has been done, and the draft of the survey is herewith exhibited for the inspection of Councils.

The Committee have deemed it prudent to have a new iron shaft cast, to be ready should it be determined to make a new wheel, or in case of accident to either of the old ones. It is a thing which is not to be had without delay, and is so heavy (upwards of five tons) that very few furnaces will or can undertake it: the expense of this will be found in the estimates.

The gradual but certain increase of the Water Rents leads to the pleasing prospect, that they will in a few years, with the addition of what may be sold to the adjoining Districts, go very far towards relieving the City from its present taxes. The certain progress of the Sinking Fund will in a few years relieve the City Debt, and at the same time the heavy appropriation for its interest, which amounts to full one-half of the City Taxes. The increase of the Water Rents, during the year 1824, was 1086 dollars 50 cents.

The expectations held out by the Committee to Councils, in previous Reports, as to the effect of the Iron Pipes, and of the new Water-Works, have been fully realized, after another year's experience; and it may be said with truth, that if the City should require twelve millions of gallons of water, or even more, it can readily be supplied, at an annual expense of less than two thousand five hundred dollars, whilst the same quantity, by the system of steam-engines, would require an annual expenditure of upwards of two hundred thousand dollars.

It may be added, that if the twelve millions of gallons per day should be disposed of at the same rate which the quantity at present taken by the citizens produces, to wit, 27,292 dollars per year, the annual income will be upwards of one hundred and sixty thousand dollars.

By order of the Watering Committee.

JOSEPH S. LEWIS, *Chairman.*

PHILADELPHIA, }  
January 5, 1825. }

No. 1.

**LIST OF CERTIFICATES FOR MONEYS**

DRAWN BY THE

**WATERING COMMITTEE**

FOR

**FAIR MOUNT WATER-WORKS,**

*From Dec'r. 31, 1823, to Dec'r. 31, 1824.*

No.	1824.		Dolls.	C.
395	Jan'y. 19	In favour of Frederick Graff, Clerk of the Water-Works,	1545	43
396	Feb'y. 2	Ditto,	761	87
397	March 1	Ditto,	1784	94
398	April 1	Ditto,	7077	80
399	May 1	Ditto,	714	21
400	21	Ditto,	6725	88
401	June 1	Ditto,	1110	04
402	4	Ditto,	26000	00
403	23	Ditto,	4403	81
404	July 1	Ditto,	2070	53
405	15	Ditto,	2633	47
406	August 2	Ditto,	2893	67
407	24	Ditto,	3305	66
408	Sept'r. 1	Ditto,	4832	96
409	24	Ditto,	4604	70
410	Oct'r. 1	Ditto,	2022	87
411	Nov'r. 1	Ditto,	2567	14
412	Dec'r. 1	Ditto,	3501	63
413	16	Ditto,	690	81
414		Ditto,	1534	35
415		Ditto,	1427	17
			82208	94

No. 1.

ABSTRACT OF PAYMENTS

MADE UNDER THE

FOREGOING CERTIFICATES.

Distribution.

No.	1824.		Dolls.	C.
396	Feb'y.	2 Wages of workmen for January, - - - - -	269	37
397	March	1 Zephaniah Doughty, for 200 bushels of Virginia coal, and hauling,	68	00
		Arabella Jones, for 6 months' ground-rent, due Feb. 1, 1824,	13	33
		Thomas Smith, for 12,208 feet of boards and scantling, -	245	00
		Wages of workmen for February, - - - - -	260	19
398	April	1 William Piersol, for sundry wrought iron, from October, 1823,	68	11
		George & Jacob Peterman, for horse feed, from October, 1823,	25	09
		Wages of workmen for March, - - - - -	353	94
399	May	1 James Wood, for sundry spades and shovels, - - - - -	13	00
		Wages of workmen for April, - - - - -	304	29
401	June	1 Frederick Miley, for hauling sand, boring logs, &c. - - - - -	50	75
		Wages of workmen for May, - - - - -	445	06
		Alexander Purves, for 30 1-2 yards of cloth, at 45 cts. - - - - -	13	72
403		23 Sprogal Dear, for pick handles, and repairs to wagon, - - - - -	13	60
404	July	1 Wages of workmen for June, - - - - -	274	85
		George & Jacob Peterman, for horse feed from April 1, - - - - -	7	76
		John Warnock, for nails, spikes, &c. - - - - -	13	10
406	August	2 Joseph Pierson, for 2 loads of hay, and for straw, - - - - -	29	83
		Michael Fox, for 4100 bricks, at \$ 7, - - - - -	28	70
		Wages of workmen for July, - - - - -	282	71
407		24 Arabella Jones, for 6 months' ground-rent, due Aug. 1. - - - - -	13	33
		John Dela Meter, for 1 year's interest, due May 20, - - - - -	33	33
408	Sept'r.	1 Wages of workmen for August, - - - - -	346	12
		J. L. Stelwaggon, for 200 bushels Virginia coal, and hauling,	64	00
		Sprogal Dear, for shafts, hounds, and axletree to wagon, -	12	50
		Frederick Miley, for hauling logs and pipes in July and August,	52	00
409		24 Frederick Erringer, for taxes on Cherry street estate for 1824,	20	25
		Alexander Purves, for 31 1-2 yards of cloth, - - - - -	14	17
		William Piersol, for wrought iron, - - - - -	41	80
410	Oct'r.	1 Wages of workmen for September, - - - - -	348	54
411	Nov'r.	1 Ditto, do. for October, - - - - -	322	68
412	Dec'r.	1 William Riehle, for 289 lbs. of sole leather for pumps, -	89	59
		Joseph Caskey, for whiskey, - - - - -	28	23
		Israel Roberts, for copper balls for pumps, - - - - -	31	50
		Joseph Pierson, for 2 loads of hay, and 250 bundles of straw,	36	94
		Thomas & Hugh Smith, for 6246 feet of 1 1-4 inch boards, -	135	57
		Frederick Miley, for canal sand, and hauling wood pipes, -	51	00
		Wages of workmen for November, - - - - -	336	54
413		16 Amos Jeans, for sundry lumber, - - - - -	60	00
		Jonah Thompson, for nails - - - - -	39	00
		John English, for shoeing cart-horse in 1824, - - - - -	13	11
		Henry Bell, for 1566 feet of 1 1-4 inch boards, - - - - -	31	32
		Rush & Muhlenberg, for sundry castings, - - - - -	10	13
		John Warnock, for nails, spikes, &c. - - - - -	14	29
		George & Jacob Peterman, for horse feed, - - - - -	14	63
		Frederick Miley, for 24 loads canal sand, and hauling iron pipes,	20	00
		Michael Fox, for 3000 bricks, at \$ 7, - - - - -	21	00
414		William Ker, for chandlery, - - - - -	19	15
Amount carried forward,			5001	12



No.	1824.		Dolls.	C.	Dolls.	C.
		Amount brought forward,	5001	12		
414	Dec'r.	16 William Piersol, for wrought iron, - - -	20	00		
		Samuel P. Wetherill & Co. for paints, oil, &c. -	47	68		
		W. & C. Dilworth, for shovels, and sundry ironmongery,	56	58		
		David Fisher, for painting and glazing, - - -	33	10		
		Rowley & Alberger, for plumbers' work to pumps, &c.	67	56		
415	27	Wages of workmen for December, - - -	241	37		
		Dixey & Manderfield, for hydrant pumps, boxes, and nossels, - - - - -	93	75		
					5561	16
<b>Iron Pipes.</b>						
395	Jan'y.	19 J. S. Lewis & J. Bacon, for 405 feet iron pipes, at 60 cts.	240	30		
		Nathaniel Burt, for 9T. 18Cwt. 1qr. 4lbs. pig lead, at \$6.50	1288	85		
396	Feb.	2 Joseph Edwards, for 308 lbs. brass castings, at 30 cts.	92	40		
		Smith & Gouge, for advertising for iron pipes in 1823,	7	50		
		Richard Penn, for ditto, (Aurora) - - -	6	00		
		Wages of workmen for January, 1824, - - -	129	43		
397	March	1 Ditto, for February, - - -	99	42		
398	April	1 William Piersol, for wrought iron, from October, 1823,	64	85		
		J. S. Lewis & J. Bacon, for iron pipes, &c. - - -	369	36		
		Samuel Richards, for iron pipes, - - - - -	4803	37		
		Wages of workmen for March, - - - - -	65	14		
399	May	1 James Wood, for spades and shovels, - - -	30	00		
		Wages of workmen for April, - - - - -	116	12		
400		21 Joseph Edwards, for 222 1-2 lbs. brass castings, -	66	75		
		Samuel Richards, for iron pipes and castings, -	5459	13		
401	June	1 Frederick Miley, for hauling iron pipes, - - -	69	50		
		Israel Roberts, for brassing 84 cock-rods, - - -	115	50		
		Wages of workmen for May, - - - - -	103	92		
403		22 Samuel Richards, for iron pipes and castings, -	4290	21		
404	July	1 Wages of workmen for June, - - - - -	440	26		
		Joseph Edwards, for 341 lbs. of brass castings, -	102	30		
405		15 Samuel Richards, for iron pipes and castings, -	2390	53		
406	August	2 Joseph Edwards, for 299 1-2 lbs. brass castings, -	89	85		
		J. S. Lewis & J. Bacon, for iron pipes, - - -	1261	69		
		Wages of workmen for July, - - - - -	689	04		
407		24 Robert Kid, for 35 lbs. copper bolt, - - -	9	80		
		Samuel Richards, for iron pipes and castings, -	2934	46		
408	Sept'r.	1 Wages of workmen for August, - - - - -	774	43		
		Samuel Richards, for iron pipes and castings, -	2977	29		
		Fréderrick Miley, for hauling pipes in July and August,	120	00		
409		24 Samuel Richards, for iron pipes and castings, -	3555	90		
		Samuel Haydock, for 1635 feet 3-4 inch lead pipe,	515	02		
		William Piersol, for wrought iron, - - - - -	60	00		
410	Oct'r.	1 Joseph Edwards, for 224 1-2 lbs. brass work, -	67	35		
		Wages of workmen for September, - - - - -	555	98		
411	Nov'r.	1 Nathaniel Burt, for 5T. 3C. 1qr. 22lbs. pig lead, at \$7.50,	775	85		
		J. S. Lewis & J. Bacon, for brass cocks, &c. -	141	88		
		Wages of workmen for October, - - - - -	689	28		
412	Dec'r.	1 Samuel Richards, for stop-cocks and sundry castings,	1433	31		
		R. E. Smith, for 18 days' wharfage of iron pipes,	18	00		
		Joseph Caskey, for whiskey, - - - - -	56	46		
		Benjamin Duncan, for 4 1-2 cords wood, and wharfage,	20	77		
		Frederick Miley, for hauling pipes, &c. in September, October and November, - - - - -	100	00		
Amounts carried forward,			37197	20	5561	16

B

No.	1824.	Amounts brought forward,	Dolls.	C.	Dolls.	C.
412	Dec'r.	1 Wages of workmen for November,	371	97	20	
413		16 Amos Jeans, for sundry lumber,			38	89
		Jonah Thompson, for nails,			19	70
		Samuel Haydock, for 444 1-2 feet lead pipes, &c.	141	51		
		Joseph Edwards, for 217 lbs. brass work,			65	10
414		William Kerr, for spun yarns, ropes, &c.	107	67		
		William Piersol, for wrought iron,			29	10
		W. & C. Dilworth, for files and ironmongery,			25	00
		E. & T. Dallet, for tallow used in laying pipes,			21	18
		Rowley & Alberger, for plumbers' work, attaching lead pipes, &c.			370	00
		Lehman & Co. for carboy of vitriol,			16	15
415	27	Wages of workmen for December,	137	46		
					384	75

### Water Power.

396	Feb'y.	2 Henry Pratt, for 43 gallons sweet oil,			55	90
		Wages of workmen for January,			93	00
397	March	1 Ditto, for February,			87	00
398	April	1 Ditto, for March,			93	00
399	May	1 Ditto, for April,			90	00
401	June	1 Ditto, for May,			93	00
404	July	1 Ditto, for June,			90	00
		Lehigh Coal Company, for 14 tons of coal,			112	00
406	August	2 Wages of workmen for July,			93	00
408	Sept'r.	1 Ditto, for August,			93	00
		Caleb Hathaway, for 28 gallons lamp oil,			14	00
410	Oct'r.	1 Wages of workmen for September,			90	00
411	Nov'r.	1 Ditto, for October,			93	00
412	Dec'r.	1 Ditto, for November,			90	00
414		16 William Ker, for chandlery,			36	56
		Samuel P. Wetherill & Co. for oil, whiting, emory, &c.			20	00
		E. & T. Dallet, for tallow,			17	04
415	27	Wages of workmen for December,			93	00
					1353	50

### Fair Mount Works.

395	Jan'y.	19 T. M. & J. Linnard, for 891 feet of scantling, had in 1823,			9	91
		Thomas Hansell, for turning done in 1823,			6	37
396	Feb'y.	2 Frederick Graff, for small bills paid by him,			23	25
		Thomas Carter & Co. for hack hire, from Oct. 1823, to Jan. 21, 1824,			45	75
		Wages of lock-gate keeper for January,			12	00
397	March	1 Ditto, for February,			12	00
398	April	1 J. S. Lewis & J. Bacon, for dead-lights to buildings,			70	00
					179	28
Amounts carried forward,					453	90

No.	1824.		Dolls.	C.	Dolls.	C.
		Amounts brought forward,	179	28	45390	41
398	April	1 Wages of lock-gate keeper for March, - - -	12	00		
399	May	1 Frederick Graff, for bills paid by him, - - -	88	25		
		Wages of men, filling in dam, keeping lock-gates, &c.	60	55		
401	June	1 Thomas Maguire, for sodding reservoir banks, -	100	00		
		Wages of men, filling in dam, &c. - - -	118	59		
402		4 J. S. Lewis, for the payment of Schuylkill Navigation Company for the purchase of extra water power, &c.	26000	00		
403		22 Thomas Maguire, for backing dirt in the dam, on account,	100	00		
404	July	1 Wages for June of lock-gate keeper, &c. - - -	54	25		
		Frederick Graff, for bills paid by him, - - -	46	18		
		Jacob Lewis, for putting up 51 pannels of fence, -	6	37		
		Thomas Maguire, balance for backing 2196 yards dirt in the dam, - - -	273	46		
405		15 Samuel W. Rush, for recording deeds, &c. - - -	9	12		
		Thomas Maguire, for extending canal bank, - - -	138	06		
406	August	2 Thomas Carter, for hack hire, from Feb. 2, - - -	108	50		
		Thomas Maguire, for backing 1541 yards of dirt in the dam, - - -	269	67		
		Wages of toll-keeper, &c. for July, - - -	40	68		
407		24 Thomas Maguire, on account, for backing in the dam,	75	00		
		Robert Walker, on account, for clearing out the canal,	60	00		
		Frederick Erdman, on account, for carpenters' work,	30	00		
		Francis Mitchell, for poor tax for 1824, - - -	123	00		
		Frederick Graff, for bills paid by him, - - -	26	74		
408	Sept'r.	1 Wages of toll-keeper, &c. for August, - - -	23	50		
		Jacob Gardner, for county and road tax for 1824, -	132	00		
		Thomas Maguire, on account, for backing in the dam,	175	00		
409		24 Thomas Maguire, balance for 1690 yards filling in the dam, - - -	58	50		
		Robert Walker, balance for clearing 1053 yards of mud, &c. out of canal, - - -	339	06		
410	Oct'r.	1 Thomas Maguire, for backing 1690 yards of dirt in the dam, - - -	295	75		
		Wages of lock-gate keeper, &c. - - -	26	25		
411	Nov'r.	1 Frederick Erdman, on account, for carpenters' work,	30	00		
		Mitchell & Cash, for drawing agreements, - - -	15	00		
		Thomas Maguire, for backing in 2714 yards dirt in the dam, - - -	474	95		
		Wages of lock-gate keeper, &c. - - -	12	00		
412	Dec'r.	1 Frederick Erdman, on account, for carpenters' work to toll-house, &c. - - -	50	00		
		Frederick Graff, for bills paid by him, - - -	92	65		
		Israel Roberts, for copper and work to buildings, -	23	24		
		C. B. Parke & Co. for iron and brass castings for lock-gates,	151	45		
		Gorgas, Keyser, & Son, for sundry lumber, - - -	93	48		
		Wages of lock-gate keeper, &c. - - -	17	00		
413		16 Amos Jeans, for sundry lumber, - - -	30	00		
		Benjamin Taylor, for window-frame, sash, and shutters,	10	00		
		Jacob Reeve, for repairs of masons' work to toll-house, &c.	13	62		
		Tennent & Highland, for 14 marble corner-stones,	3	50		
		Ephraim Haines, for 62 cubic feet of Spanish cedar,	49	60		
414		William Piersol, for wrought iron, - - -	53	28		
		W. & C. Dilworth, for ironmongery, - - -	17	00		
		David Fisher, for painting and glazing at buildings,	90	00		
		Frederick Erdman, for building bridges, repairs to toll- house, &c. balance, - - -	279	10		
		Thomas Maguire, for extending canal bank, filling in at toll-house, &c. - - -	208	20		
		Amounts carried forward,	50683	83	45390	41

No.	1824.		Dolls.	C.	Dolls.	C.
		Amounts brought forward,	30683	83	45390	41
415	Dec'r.	27 Thomas Carter, for hack hire from August 4,		80	00	
		Joseph Morris, for measuring carpenter's work,		5	00	
		Wages of workmen for December, keeping lock-gate, &c.		95	51	
					30864	34
<b>Damages.</b>						
396	Feb'y.	2 Samuel Haines, for surveying grounds on the Schuylkill,		10	50	
397	March	1 Joseph S. Lewis, for payment of damages, &c.		1000	00	
398	April	1 Ditto, do. do.		500	00	
		Samuel W. Rush, for recording deeds, &c.		4	69	
400	May	21 Joseph S. Lewis, for payment of damages,		1200	00	
412	Dec'r.	1 Ditto, balance to this date for the settlement of damages,		227	99	
					2943	18
<b>Salaries.</b>						
398	April	1 Frederick Graff, one quarter's salary, due April 1, Samuel W. Rush, one quarter and 17 days' salary, due April 1,		500	00	
				148	25	
404	July	1 James Young, 6 months' ditto, due this date,		25	00	
		Samuel W. Rush, one quarter's ditto, due ditto,		125	00	
		Frederick Graff, one quarter's ditto, due ditto,		500	00	
410	Oct'r.	1 Samuel W. Rush, one quarter's ditto, due this date,		125	00	
		Frederick Graff, one quarter's ditto, due ditto,		500	00	
415	Dec'r.	27 Samuel W. Rush, one quarter's ditto, due December 31, Frederick Graff, one quarter's ditto, due ditto,		125	00	
		James Young, 6 months' ditto, due ditto,		500	00	
				25	00	
					2573	25
<b>Incidentals.</b>						
396	Feb'y.	2 Joseph S. Walter, rebuilding grate in Register's Office,		4	77	
		Thomas Rogers, for attendance in Register's Office,		12	00	
399	May	1 Ditto, 3 months, from Feb. 1, to May 1,		12	00	
408	Sept'r.	1 Ditto, 4 months, from May 1, to Sept. 1,		16	00	
410	Oct'r.	1 Samuel W. Rush, for recording papers, and for painting Office,		14	00	
411	Nov'r.	1 Thomas Rogers, 2 months' services, from Sept. to Oct. 1, Carey & Lea, for binding Reports of Works for General Lafayette,		8	00	
				4	50	
413	Dec'r.	16 W. & G. Hyde, for stationary for the Superintendent, Lydia R. Bailey, for printing notices, &c.		14	79	
		Robert Desilver, for stationary, and duplicate books for Register's Office,		36	12	
				44	50	
415		27 Thomas Rogers, 2 months' services in Register's Office, due Dec. 31,		8	00	
		Samuel W. Rush, for sundries for the Office,		7	72	
					18240	
		Amount carried forward,			81953	58

No.	1824.		Amount brought forward,	Dolls.	C.	Dolls.	C.
						81953	58
<b>Repaving over Water Pipes.</b>							
405	July 15	Robert Getty, for 399 yards of paving, at 24 cents,		95	76		
408	Sept'r. 1	Ditto, 138 do. do. -		33	12		
412	Dec'r. 1	Ditto, 463 do. do. -		111	12		
415	27	Ditto, 64 do. do. -		15	36		
						255	36
						82208	94

## ABSTRACT OF PAYMENTS

MADE BY THE

### WATERING COMMITTEE

*From Dec'r. 31, 1823, to Dec'r. 31, 1824.*

	Dolls.	C.
Distribution - - - - -	5561	16
Iron Pipes - - - - -	38475	75
Water Power - - - - -	1353	50
Fair Mount Works - - - - -	30864	34
Damages - - - - -	2943	18
Salaries - - - - -	2573	25
Incidentals - - - - -	182	40
Repaving over Water Pipes - - - - -	255	36
	82208	94

## No. 2.

### SUMS PAID INTO THE TREASURY

BY THE SUPERINTENDENT,

*From December 31, 1823, to December 31, 1824.*

1824.		Dolls.	C.
May 1	To John Bacon, Treasurer, the last payment for the steam-engine on Schuylkill, 2 quarter's rent for the engine buildings, and for old logs sold,	433	13
Oct'r. 26	To ditto, for 2 quarters' rent of engine buildings, and old materials sold,	134	59
Dec'r. 22	To ditto, for old iron from Centre-Square distributing chest, for old wooden pipes, &c. - - - - -	275	36
		843	08
Also—			
	From delinquents on the duplicates for water rents for 1824, -	865	50
	And from the same in advance for 1825, - - - - -	143	50
		1009	00

## No. 3.

## STATEMENT OF PIPES USED IN REPAIRS, AND LAID,

*From December 31, 1823, to December 31, 1824.*

	<i>Feet.</i>	<i>Feet.</i>
Amount of Iron Pipes laid in 1819, 1820, 1821, 1822, and 1823, -		49073
Pipes laid in 1824, as follows—		
Trotter's alley, from Second street westward, - - - 1 1-2 inch pipes,	96	
Comptroller street, from Spruce to Pine, - - - ditto, do.	317	
Vaux's court, leading east from Tenth street, above Lombard, 2 inch do.	200	
Castle street, from Tenth to Eleventh street, - - - 3 inch do.	396	
Quince alley, running north from Spruce street, - - - ditto, do.	108	
Gaskill street, from Second to Third street, - - - ditto, do.	490	
Barren, from Cedar to Gaskill street, - - - ditto, do.	200	
Sterling alley, running southward from Sassafras street, ditto, do.	81	
Keys's alley, from Front to the west side of Second street, ditto, do.	456	
Coates's alley, from Front to Second street, - - - ditto, do.	396	
Drinker's alley, from Front to Second street, - - - ditto, do.	396	
Elfreth's alley, from Front to Second street, - - - ditto, do.	396	
Combes's alley, from Front to Second street, - - - ditto, do.	396	
Chancery lane, from Combes's alley to Mulberry street, ditto, do.	200	
Fourth, from High to Chesnut street, - - - 4 inch do.	481	
Sixth, from the south side of High to south side of Walnut, 6 inch do.	1095	
Walnut, from the west side of Sixth to east side of Eighth, ditto, do.	842	
Fourth, from south side of Chesnut to south side of Walnut, ditto, do.	564	
Third, from south side of Chesnut to north side of Walnut, ditto, do.	514	
Second, from Chesnut to north side of Spruce, - - - ditto, do.	1369	
Third, from Cedar to near Gaskill street, - - - ditto, do.	200	
Pine, from west side of Second to west side of Fifth street, ditto, do.	1338	
Third, from south side of Mulberry to south side of High, ditto, do.	758	
Fourth, from north side of Mulberry to south side of Vine, ditto, do.	1298	
Sassafras, from east side of Third to east side of Fifth, ditto, do.	892	
Front, from High to Vine street, - - - 8 inch do.	2078	
Mulberry, from Front to Fifth street, - - - ditto, do.	1843	
Cedar, from Front to Second street, - - - ditto, do.	400	
Cedar, from Second to west side of Third street, - 10 inch do.	581	
Mulberry, from Fifth, to east side of Eighth street, - ditto, do.	1338	
Fifth, from High to Chesnut street, - - - ditto, do.	481	
Add for plug connexions, &c. of 3, 4, and 6 inch pipes, - - -	300	
		20500
Together, -		69573
There have also been laid the following Wooden Pipes—		
Spruce, from Eleventh to Thirteenth street, - - - feet 842		
Tenth, from Lombard running northward, - - - - 213		
And in repairs through the city, - - - - 2017		
Together -	3072	

## No. 4.

## Account of Iron Pipes on hand.

	Dolls.	C.
36 pipes of 1 1-2 inch, 6 feet each— 216 feet, at 40 cents,	-	86 40
125 ditto, 2 inch, ditto, — 750 do. 40 do.	-	300 00
27 ditto, 4 inch, 9 feet each— 243 do. 60 do.	-	145 80
53 ditto, 3 inch, ditto, — 477 do. 48 do.	-	228 96
183 ditto, 6 inch, ditto, — 1647 do. 100 do.	-	1647 00
3 ditto, 8 inch, ditto, — 24 do. 135 do.	-	36 45
45 ditto, 10 inch, ditto, — 405 do. 198 do.	-	801 90
10T. 4Cwt. 1qr. 2lbs. of stop-cocks, at 75 dolls. per ton,	-	766 00
		<u>4012 51</u>

## No. 5.

## ESTIMATE FOR THE YEAR 1825.

	Dolls.	C.	Dolls.	C.
For working machinery of water power, 2 men at 1.50 per day	1095	00		
Oil, tallow, coal, chandlery, &c.	405	00		
			1500	00
For sundry jobbing and attendance at Fair Mount Works,	365	00		
keeping lock-gates,	144	00		
three sets of new lock-gates, materials and hanging, for balance-beams to guard-lock gates, for regulating canal banks, and for extending the backing of the dam,	2000	00		
carved figures to be placed over the mill-house doors, painting and putting up (by order of Councils)	350	00		
payment of the dower of Mrs. Dela Metor, in lot at the corner of Schuylkill Second and Callowhill streets, \$ 555.56, with interest to May 20, 1825,	588	89		
a cast-iron shaft, delivered in Philadelphia,	700	00		
			4147	89
Distribution—For sundry castings of iron and brass,	400	00		
hydrant pumps and fixtures,	800	00		
repairs of conduits, pumps, fire-plugs, &c.	4000	00		
salaries of superintendent, register, and messenger,	2550	00		
15,000 feet of lumber,	450	00		
incidentals,	300	00		
			8500	00
			<u>14147</u>	<u>89</u>

FREDERICK GRAFF,

Superintendent of the Water-Works.

## No. 6.

## STATEMENT

OF

## THE ACCOUNT OF WATER RENTS FOR 1824.

	Dolls.	C.	Dolls.	C.
Amount of water rents, as stated in January, 1824, - - -	26191	05		
To which add water rent omitted in the duplicate, - - -	15	00		
From which deduct—			26206	05
Amount uncollected, the account of which is in the hands of the city solicitor, for settlement, - - - - -	108	00		
Allowances and cost of collection, - - - - -	962	76		
			1070	76
Balance now in the Treasury, - - - - -			25135	29
Of which there was received in 1823, - - - - -	209	00		
Received by collector in 1824, - - - - -	23743	29		
Ditto by superintendent in do. - - - - -	865	50		
Ditto by register in do. - - - - -	317	50		
			25135	29

## No. 7.

Amount of Water Rents, and for Repaving, received by the Register, from December 1, 1823, to December 31, 1824, and paid into the Treasury.

	Dolls.	C.
For repaving, - - - - -	569	00
Permits, 276, at 25 cents, - - - - -	69	00
Water rents in advance for 1824, - - - - -	800	91
Ditto, do. 1825, - - - - -	314	00
Ditto, from delinquents, 1824, - - - - -	317	50
Total amount received, - - - - -	2070	41



## No. 8.

## Dwellings, Manufactories, and Institutions,

*Supplied with Schuylkill Water, to December, 1824.*

	Dolls.	C.	Dolls.	C.
199 Horses, &c.	at	1 00		199 00
73 Houses in courts,		2 00		146 00
7 Ditto do.		2 15		15 05
17 Ditto do.		2 50		42 50
436 Baths in the city,		3 00		1308 00
22 Ditto in the county,		4 50		99 00
3888 Dwellings, schools, churches, &c.		5 00		19440 00
6 Dwellings,		6 00		36 00
4 Bake-houses,		7 00		28 00
114 Dwellings in the county,		7 50		855 00
26 Hatters, &c.		8 00		208 00
7 Hydrant pumps, vinegar yard, &c.		9 00		63 00
86 Inns, stables, banks, &c.		10 00		860 00
1 Messrs. Thomas P. Cope & Sons, for supplying Packet Ships,		10 00		10 00
10 Soap factories, dyers, &c.		12 00		120 00
12 Dyers, &c.		13 00		156 00
55 Distillers, soap boilers, &c.		15 00		825 00
1 Hatter,		17 00		17 00
1 Hydrant in Shields's court,		22 00		22 00
1 Ditto in Branner's court,		20 00		20 00
2 Livery stables,		24 00		48 00
16 Sugar-houses, hatters, inns, &c.		25 00		400 00
11 Soap factories, dyers, prisons,		30 00		330 00
2 Breweries,		34 00		68 00
6 Tan-yards, stables, and manufactories,		35 00		210 00
7 Breweries, stables, &c.		40 00		280 00
6 Breweries, hospital, &c.		50 00		300 00
2 Breweries,		59 00		118 00
1 Brewery, corner of Filbert and Tenth streets,		100 00		100 00
1 Bath-house,		80 00		80 00
1 Alms-house,		100 00		100 00
1 Vaux's court, hydrant pump,		39 00		39 00
34 Sugar-houses, distillers, &c.		20 00		680 00
1 Brewery,		70 00		70 00
				27292 55

AMOUNT  
OF  
**DUPLICATES OF WATER RENTS,**  
FOR THE YEAR 1825.

							<i>Dolls.</i>	<i>C.</i>	<i>Dolls.</i>	<i>C.</i>
North Mulberry Ward,	-	-	-	-	-	-	2030	50		
Upper Delaware do.	-	-	-	-	-	-	1598	50		
									3629	00
South Mulberry do.	-	-	-	-	-	-	1935	50		
Lower Delaware do.	-	-	-	-	-	-	1647	50		
									3583	00
North do.	-	-	-	-	-	-	3304	55		
High Street do.	-	-	-	-	-	-	1407	00		
									4711	55
Middle do.	-	-	-	-	-	-	1958	00		
Chesnut do.	-	-	-	-	-	-	1491	50		
									3449	50
South do.	-	-	-	-	-	-	2109	00		
Walnut do.	-	-	-	-	-	-	1157	50		
									3266	50
Locust do.	-	-	-	-	-	-	2738	50		
Dock do.	-	-	-	-	-	-	1266	50		
									4005	00
Cedar do.	-	-	-	-	-	-	2231	00		
New Market do.	-	-	-	-	-	-	1959	50		
									4190	50
									26835	05
Received by Superintendent from delinquents, water rents in advance for 1825,	-	-	-	-	-	-	143	50		
Received by Register do. do.							314	00		
									457	50
									27292	55

SAMUEL W. RUSH,

*Register.*