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Supply.

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1803.

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REPORT

OF THE

WATERING COMMITTEE

TO THE

SELECT & COMMON COUNCILS,

NOVEMBER 1, 1803.

PHILADELPHIA:

PRINTED BY WILLIAM DUANE,

NO. 106, MARKET-STREET.

1803.

REPORT

OF THE

WATERING COMMITTEE, &c.

THE joint committee of the select and common councils appointed to superintend and direct the city water works, beg leave to submit the following report.

The report of the former committee made up to the first of November, and presented to councils on the fifth of December 1802, exhibited a view of the then existing state of the works, the expences incurred, the amount actually paid, and the sum remaining due for materials furnished and work done prior to the report.—Your committee have conceived it proper at this time to report the progress made, the expences incurred and the money paid since that period, viz. from the 1st of November 1802, to the 1st of November 1803.

Bason and Canal on Schuylkill.—The work remaining to be done in order to complete these departments was to finish the coping of the bason wall; to cope the wall of the sluice between the canal and bason, and the wall along the sides of the Canal. For this purpose contracts have been made for the delivery of the stone, of which as much has been already wrought and set, as has finished about two thirds of the work at the bason wall, and the remainder is now progressing. But little more, however, ought to be done at this advanced state of the season, excepting the working of the stone which may be continued during the winter, as being worked by the foot. It can then be done at a less price, than at this time, when the workmen in that line are scarce and their wages high.

Schuylkill Engine House.—This part of the work remains, so far as respects the operations of the committee, precisely in the state noted in the last report.—It has been occupied during the whole of the time by Nicholas J. Roosevelt, or his representatives, under his contract, who excepting in one or two instances, occasioned by the failure of the old boiler, have continued to furnish the water as required, and to use the extra power of the engine there in drawing the machinery for their works.—They have, since the last report erected a new cylinder more perfect than the old one at that engine, and also two cast iron boilers of a construction which seems to promise durability, and, perhaps, a saving of fuel.

Centre Square Engine House.—This building is finished excepting the plaistering in the eastern porticoe, which has still been postponed on account of the leakage from the temporary reservoir and the descending main.—The committee have not yet thought proper to convey the water into the present elevated reservoir, and until that is done, and the temporary one removed, the leakage cannot well be stopped so as to finish the plaistering. The boiler mentioned in the last report as nearly finished, at this house, has since been entirely completed and is now in continual use, fulfilling the expectations which were formed of it in point of permanence and economy.

The old one, which was first made, being not perfect at first, is now become so bad, that, without great difficulty and expence of fuel, steam cannot be raised sufficient to work the engine when the new one is cleaned, which is a work necessary to be done every six

weeks at farthest—there is indeed reason to believe that the old one may not be sufficient to perform any more—A new one will therefore be indispensably necessary and ought to be immediately commenced—this is a business to which the committee should give an early attention, and endeavour to make such arrangements with the contractor for maintaining the engines, on this subject, as the situation of the contract may point out to be proper. It would have been agreeable to the committee if they could at this time, have reported to councils the completion of that portion of the distribution which was designed to have been finished this season; but the failure, in this instance, is not imputable either to the committee or the contractor for the delivery of the timber. Had the freshes which usually occur in the spring of the year taken place, no disappointment would have been sustained either by the city, the committee, the contractor for the timber, or the contractor for boring, all of whom for want of those freshes have fallen in their expectations—The committee being desirous of procuring the best of timber, did early in the season, viz. on the 11th of January, enter into a contract with John Grimes for the delivery of 30,000 feet of heart-pine logs, to be procured up the Delaware, and to be delivered at the Dam near Kensington by the 20th of April—The terms of this contract were such as were conceived to be most favorable to the city and ample security was given for the performance of the contract, with an allowance for the circumstance of the failure of the usual freshes—The committee have reason to believe that the full quantity of timber contracted for, and of a very good quality, was procured by the contractor, and cut in time for delivery within the term of the contract, had he not been prevented by the unusual drought which has prevailed through the whole of the season.—In this situation of things it has been impossible for the committee to progress with the distribution further than they were enabled to do by the quantity of timber remaining of that purchased last season, together with about 6,000 feet, delivered early by John Grimes making together about 18,000 feet which has been laid in a part of the line of distribution agreed on by the committee, excepting about 2,000 feet used in repairing the old pipe—The whole of the work as it is now performed appears to answer the purpose exceedingly well—Thirty cast iron hydrants have been fixed in their places in addition to those mentioned in the last report—The whole of the connections with the old pipe have been made, and the necessary stop cocks have been placed in their situations agreeably to the general plan of the distribution.

An alteration and, in the opinion of the committee, an improvement has this season been adopted in the mode of furnishing the common supply. The hydrants though a very good invention for obtaining a supply of water, either in small or large quantities, have nevertheless been found liable to several objections.—The easy access to them by boys and mischievous persons renders them difficult to be kept in repair; much attention is necessary to keep them free from frost in the winter; and they necessarily produce a great waste of the water, which in the winter season creates such quantities of ice around them as to make it sometimes dangerous to pass by them. The mode of supply now used is well calculated to obviate all these inconveniences. It is a small pump, so placed as to receive the water from a cistern sunk in the ground below the action of the frost; the cistern being supplied by a pipe and a ball cock from the log in the street, by this means the ordinary supply of water is easily obtained; much waste is prevented; frost will not affect them; and they are an effectual preventative of that injury which sometimes happens to the logs from the sudden impulse produced by the shutting of the valves of the hydrants—twenty-four of these pumps have been constructed and are now in use in various parts of the city, and ten more are fitting up at the centre square—the pumps not being calculated to afford the necessary supply of water to wash the streets, or to serve in time of fire, cast iron fire plugs have been constructed for that purpose—these are so made as to render them perfectly secure from the frost; the opening or water-way being placed below its action, and the ascending pipe being capable of being drained of the water contained in it above the opening—It is provided with a nuzzle and female screw, fitted to the same guage as those of the hydrants, to receive the screws of the hose, and it is conceived to be as useful an apparatus as any in the works—four of them are now in use, and thirty more are ordered and preparing.

Besides the above there is on hand, castings in cylinders and stop-cocks sufficient for about twelve thousand feet of pipe, which were prepared for the work of last season, also bands and iron for about three thousand five hundred feet of pipe, one hundred and fifty logs, for the purpose of repairing, &c., have been purchased from Edmund Brewer, each

from twelve to fifteen feet long, of which one hundred are delivered, and the remainder are expected in the course of a week.

The amount of monies drawn for, and paid by the watering committee from the 1st November 1802, to the 1st of November 1803 is fully detailed in a schedule herewith presented marked A, in which the object of each item of expence is particularly designated—It amounts to fifty-two thousand nine hundred and ninety-two dollars and forty-six cents.

The different heads or departments of the work to which these monies were chargeable is exhibited in gross by the document B, also presented herewith, in which it will be perceived that twenty-five thousand nine hundred and fifty-eight dollars and forty-three cents of the monies drawn during the above mentioned period, were in payment of debts contracted by the former committee—Document C shews the whole amount of expences incurred on account of the works from their commencement to the 1st November instant, being two hundred and ninety-six thousand six hundred and four dollars and thirty-four and a half cents; this sum however includes several items not properly chargeable to the expences of erecting and completing the works—Among which are,

The amount paid on account of N. J. Roosevelt for working, maintaining and repairing the engines,	Dolls. 21,459 64
And for erecting the new boiler at centre square, including timber prepared for another,	4,532 29
Cost of improvements to the centre square,	3,419 80
Ditto of the hose procured for washing the streets,	181 70
Amounting in the whole to	<u>Dolls. 29,543 43</u>

Of the above amount of expences there has been paid in all, since the commencement of the work two hundred and ninety-five thousand three hundred and fifty-two dollars and nine cents, and the residue, viz. one thousand two hundred and fifty-two dollars and fifty-two cents remains payable to sundry persons as per list D.

Document E contains an account of the number of houses and manufactories supplied with the water, including those which are supplied under the privilege granted to subscribers to the water loan, and those supplied on rent—The rent already collected amounts to five hundred and three dollars and seventy-seven cents, and there remains now payable for rent to the 1st July next, twelve hundred and seventeen dollars and eighty-seven cents.

Although considerable efforts were made by the committee towards a settlement of the accounts and concerns existing between Nicholas J. Roosevelt and the corporation, and for the establishment of the relation, which is hereafter to subsist between them, upon plain and equitable terms, yet they have not been able to arrive at any conclusion on this part of their business.

Such indeed has been the circumstances attending it that little or nothing could be done—In order to conclude a settlement it was found necessary to wait for the personal attendance of Nicholas J. Roosevelt himself. He at length came to the city for the purpose, but was unfortunately prevented from attending to the subject by sickness, which kept him confined during all the time of his stay in the city, and he finally returned to New York without any arrangements having been agreed on. The state of the business then, as relating to him is the same as reported last year—with the exception that the corporation have continued to advance the funds necessary for the fuel, working, and repairs of the centre square engine, and for the finishing of the boiler at the same. The Index is not yet erected at the centre square engine, nor the pump barrels of either engine enlarged so as to enable them to deliver the quantity of water in twenty-four hours which by the existing contract they were to have been made capable of delivering.—The

settlement therefore of this concern is necessarily left, with all its difficulties for the care and attention of the committee for the present year, who will no doubt use every exertion in their power to bring it to a close.

SAML. WETHERILL,

Chairman of Watering Committee.

(A.)

LIST OF CERTIFICATES,

Or Orders for Money drawn by the WATERING COMMITTEE, from November 1st, 1802, to November 1st, 1803.

No.	Date.	SPECIFIC OBJECTS.	Amount of each object.		Total Amount.	
			D.	C.	D.	C.
530	1802. Nov. 15.	Wages for week ending Sept. 16, viz.				
		Carpenters	23	70		
		Smiths	40	15		
		Laborers for N. J. Roosevelt	23	62		
		Bricklayers at Centre Sq. Engine House	2	66		
		Laborers at do. do.	9	76		
		Men at distribution	77	34		
		John Grimes, at do. 7 weeks wages from Sept. 9th to October 21st	107	50		
					284	73
531	- -	Wages for week ending Sept. 23, viz.				
		Carpenters	22	29		
		Smiths	39	80		
		Laborers for N. J. Roosevelt	23	62		
		Laborers at Centre Sq. Engine House	41	99		
		Men at distribution	72	80		
					200	50
532	- -	Wages due for week ending Sept. 30, viz.				
		Carpenters	27	37		
		Smiths	40	15		
		Laborers for N. J. Roosevelt	23	62		
		Laborers at Centre Sq. Engine House	20	16		
		Men at distribution	80	22		
					191	52
533	- -	Wages for one week ending Oct. 7, viz.				
		Carpenters	30	47		
		Smiths	40	50		
		Laborers for N. J. Roosevelt	23	62		
		Laborers at Centre Sq. Engine House	19	46		
		Men at distribution	92	61		
					206	66
534	- -	Wages for week ending Oct. 14, viz.				
		Carpenters	30	44		
		Smiths	40	50		
		Laborers for N. J. Roosevelt	23	62		
		Bricklayers at Centre Sq. Engine House	4	66		
		Laborers at do.	16	68		
		Men at distribution	88	97		
					204	87
		<i>Carried forward,</i>			1,088	28

No.	Date.	SPECIFIC OBJECTS.	Amount of each object.		Total amount.	
			D.	C.	D.	C.
	1802.	<i>Amount brought forward,</i>			0818	28
535	Nov. 15.	Wages due for week ending Oct. 21, viz.				
		Carpenters	28	84		
		Smiths	35	22		
		Laborers for N. J. Roosevelt	23	62		
		Laborers at Centre Sq. Engine House	11	16		
		Men at distribution	86	45		
					185	29
536	- -	Wages due laborers improving Centre Sq.				
		Week ending October 14th, 1802	58	22		
		Ditto October 21st,	10	12		
					68	34
537	- -	Account of sundries, payable asunder.				
		J. N. Taylor, for 36 gallons sweet oil, a 1 dol.	36			
		N. Mack, in full for pipe carriage	23	96		
		John Davis, sundry small bills paid by him from October 5th, 1802, to Nov. 3	55	74		
		Ditto, on account of his salary	115	11		
		James Todd, do.	80			
		Guier and Diehl, in full for liquor	107	50		
		George Heyberger, for ribbing nails	49	95		
					468	06
538	- -	A request of John Britton, for payment on account of coal purchased from him	300			
					300	
539	- 17.	Request of B. H. Latrobe, for payment on account of the balance of compensation due him of	80			
					80	
540	- 30.	Wages for week ending Oct. 28, viz.				
		Carpenters	34	41		
		Laborers at Centre Sq. Engine House	23	7		
		Smiths	28	25		
		Laborers for N. J. Roosevelt	23	62		
		Men at boiler for do.	16	86		
		Men at distribution	83	51		
					209	72
541	- -	Wages for week ending Nov. 4, viz.				
		Carpenters	29	13		
		Laborers at Centre Sq. Engine House	13	59		
		Smiths	28	80		
		Laborers for N. J. Roosevelt	23	62		
		Men at boiler for do.	30	40		
		Men at distribution	89	2		
					214	56
		<i>Carried forward,</i>			2,614	25

No.	Date.	SPECIFIC OBJECTS.	Amount of each object.		Total amount.	
			D.	C.	D.	C.
	1802.	<i>Amount brought forward,</i>			2,614	25
542	Nov. 30.	Wages for week ending November 11. viz.				
		Carpenters	8	91		
		Laborers at Centre Square Engine House	19	85		
		Bricklayers at ditto	12	66		
		Smiths	28	75		
		Laborers for N. J. Roosevelt	23	62		
		Men at boiler	36	75		
		Men at distribution	86	72		
					217	26
543	-	Wages for week ending No. 18, viz.				
		Carpenters	14	97		
		Laborers at Centre Square Engine House	18	48		
		Smiths	27	70		
		Laborers for N. J. Roosevelt	23	62		
		Men at Boiler for ditto	45	33		
		Men at distribution	83	45		
		John Grimes, four weeks from October 28 to November 25.	60			
					273	55
544	-	Account of Sundries payable as under :				
		Caleb Leech on account for boring pipe	400			
		James Cochran on account for digging pipe trench	200			
		John Britton in full for coal	374	46		
		Foxall and Richards on account of iron casting	400			
		Thomas Parker for horse bought by him	95			
		Peter Ambruster's bill for horse-feed	36	11		
		John Davis for sundry small bills paid by him from November 3 to 30th	42			
		William Pollock, 2 months wages due Oct. 7	40			
					1,587	57
545	Dec. 22.	Account of Sundries payable as under :				
		George Plumsted for coal	610	67		
		Jeremiah Piersoll & Co. on account for iron	200			
		Henderson & Niblow on account for marble	300			
		Estate of Peter Brady ditto for marble-work	200			
		John Elmslie's bill of smiths' work	79	12		
		William & Jonathan Leedom in full for iron	380	93		
		John McIlwain in full for freight of stone	181	50		
		James Rowland on account for iron	200			
		Jacob Brown ditto	200			
		John Hood in full for blocks	6	8		
		Rugan & Rhodes on account	150			
		John Dunwoody for carting coals	20			
					2,528	32
		<i>Carried forward</i>			7,220	95

No.	Date.	SPECIFIC OBJECTS.	Amount of each Object.		Total Amount.	
			D.	C.	D.	C.
	1802.	<i>Amount brought forward,</i>			7,220	93
546	Dec. 23.	A payment in full for pipe timber delivered by Davis and Doughty	1,044	72	1,044	72
547	31.	Account of Sundries payable, viz.				
		Moses Gillingham on account	150			
		William George for timber	88	55		
		Andrew Douglass on account for sheet iron	521	22		
		James M'Ilwain on account of store	150			
		Estate of P. Brady on account	150			
		Thomas Dobson in full	42	82		
		John Davis on account salary	67	28		
		James Todd ditto	50			
					1,219	87
548	1803. January 13.	Wages for week ending				
		Carpenters	Nov. 25	week ending Dec. 2	week ending Dec. 9.	week ending Dec. 16
			15 22	10 38	20 38	13 50
		Laborers at Cen. Square				
		Engine House	18 48	14 82	10 20	11 7
		Smiths	33 90	33 90	28 80	26 30
		Labs. for N. J. Roosevelt	23 62	23 62	28 53	30 32
		Men at boiler for ditto	42 89	49 50	49 31	43 13
		Men at distribution	87 67	93 1	82 91	77 76
			221 78	235 23	220 3	202 8
						869 12
549	-	Account of Sundries payable, viz.				
		John Grimes wages from 25th Nov. to 31 Dec. inclusive 30 days at 2½ Dollars			75	
		John Davis sundry small bills from December 1, 1802, to January 8, 1803			70	8
						145 8
550	19.	Caleb Leach, on account, boring pipe	1,200		1,200	
551	-	William Young in full for coals	473	83	473	83
552	24.	Account of Sundries payable viz.				
		Samuel Richards on account, castings	400			
		James Cochran on account, digging pipe trench	300			
		Kobert Haydock on account	400			
		Jeremiah Piersol in full for iron	172	9		
		Thomas Barnet in full for turning	41	87		
		Isaac Hazlehurst & Son in full for dock rent, &c.	444	44		
		D. C. Claypoole in full for printing	14	12		
		Niblow & Henderson on account for marble	300			
					2,072	52
		<i>Carried forward</i>			14,246	07

No.	Date.	SPECIFIC OBJECTS.	Amount of each Object.		Total Amount.	
			D.	C.	D.	C.
	1803.	<i>Amount brought forward</i>			14,246	07
533	February 8.	Account of wages for work ending Dec. 23, viz.				
		Carpenters - - - -	13	50		
		Bricklayers at Centre Square engine house	1			
		Laborers at ditto	9	24		
		Smiths - - - -	35	50		
		Laborers for N. J. Roosevelt - - -	29	20		
		Men at boiler for ditto - - -	47	15		
		Men at distribution - - -	72	82		
					208	41
554	- -	Account of wages for week ending Dec. 30, viz.				
		Carpenters - - - -	14	30		
		Laborers at Centre Square engine house	10	23		
		Smiths - - - -	37	30		
		Laborers for N. J. Roosevelt - - -	24	55		
		Men at boiler for ditto - - -	56	21		
		Men at distribution - - -	76	70		
					219	79
555	- -	Account of wages for week ending January 6, 1803, viz.				
		Carpenters - - - -	17	18		
		Laborers at Centre Square engine house	17	8		
		Smiths - - - -	33	85		
		Laborers for N. J. Roosevelt - - -	26	80		
		Men at boiler for ditto - - -	92	16		
		Men at distribution - - -	53	76		
		William Pollock, carter, wages from October to December 31st 2 months 24 days at 20 Dollars per month	56			
					296	83
556	17.	Account of Sundries payable as under :				
		Estate of P. Brady, on account, marble work - - - -	200			
		Jac. Edenborn in full for leather	34	8		
		Farnel & Pierie ditto ditto	8	18		
		Henry Richards on account, for iron	200			
		James Todd on account, salary - - -	100			
		John Davis ditto - - -	60			
					602	26
557	23.	Account of wages due from the 7th to 31st January, 1803, inclusive, viz.				
		Carpenters - - - -	59	46		
		Smiths - - - -	132	10		
		Men at distribution - - -	187	96		
		Men for N. J. Roosevelt - - -	198	29		
		Laborers at Centre Square engine house	48	42		
					626	23
		<i>Carried forward</i>			16,199	59

No.	Date.	SPECIFIC OBJECTS.	Amount of each object.		Total amount.	
			D.	C.	D.	C.
	1803.	<i>Amount brought forward,</i>			16,199	59
558	Feb. 28.	Account of sundries payable as under :				
		George Plumstead, for coal - - -	300			
		J. K. Helmuth, ditto - - -	211	50		
		Jones and Kinsey, ditto - - -	280			
		Godfrey Gebler, for horse shewing, &c. -	15	75		
		John Elmslie, on account - - -	6	94		
					814	19
559	March 28.	Account of wages for the month of Feb. viz.				
		Carpenters - - - - -	28			
		Smiths - - - - -	148	57		
		Men at distribution - - - - -	215	91		
		Men at Engine for N. J. Roosevelt - -	108	43		
		Laborers at Centre Square Engine House	40	96		
					541	87
560	- -	An account of sundries payable as under :				
		Benj. and James Cooper, in full for lumber	66	82		
		James Rowland, on account - - -	43			
		John Dunwoody, hauling coals - - -	66	62		
		Keyser and Gorgas, for lumber - - -	161	17		
		W. and J. Wayne, ditto - - -	300			
		Reiloff Alberson, in full, ditto, - -	119	28		
		Richard H. Morris, ditto - - -	75	75		
		John Davis, sundry small bills paid by him since January 8 - - - - -	126	8		
		John Davis, on account of his salary, -	100			
					1,058	72
561	- 31.	Account of sundries payable as under :				
		Henderson and Niblow, on acct. marble -	300			
		Peter Brady's estate, ditto - - -	152	89		
					452	89
562	- -	Account of sundries payable as under :				
		Z. Poulson, jr. in full for printing -	39	4		
		Jones and Kinsey, in full for coals - -	140			
		H. Richards, on account, for iron - -	200			
		Foxall and Richards, on account, for iron	200			
		Rynear Tyson, in full, for lime - - -	107	95		
		Wm. Pollock's wages, (Jan. and Feb.) -	40			
					726	99
563	May 5.	Acct. of wages due for the month of March :				
		Carpenters - - - - -	48	90		
		Smiths - - - - -	145	73		
		Men at distribution - - - - -	185	21		
		Workmen for N. J. Roosevelt - - -	161	26		
		Laborers at Centre Square Engine House	45	22		
		Ditto at Gully, lower Engine House -	67	40		
					653	72
		<i>Carried forward,</i>			20,457	97

No.	Date.	SPECIFIC OBJECTS.	Amount of each object.		Total Amount.	
			D.	C.	D.	C.
	1803.	<i>Amount brought forward,</i> -			20,447	97
564	May 5.	Account of wages due for the month of April.				
		Carpenters - - - -	47	58		
		Smiths - - - -	186	53		
		Men at distribution - - -	278	27		
		Workmen for N. J. Roosevelt -	103	11		
		Laborers at Centre Sq. Engine House -	4			
					619	49
565	- -	Account of laborers and carts, levelling, &c. in Centre Square, viz.				
		For the month of March - - -	43	9		
		April - - - -	177	92		
					221	01
566	- 18.	Account of sundries, payable as under :				
		Henry Richards, for iron - - -	600			
		Jones and Kinsey, for coal, - - -	200			
					800	
567	- 25.	Account of sundries, payable as under :				
		Andrew Douglass's estate, in full -	600			
		Samuel Briggs ditto - - -	100			
		Richard Newsham ditto - - -	4	36		
		Abraham Sheridan ditto - - -	415	77		
		Jac. Brown ditto - - -	325	67		
		William Songster ditto - - -	164			
		James Rowland & Co. ditto - - -	80	48		
		Robeson and Paul ditto - - -	128	62		
		Asa Ridgway, on account - - -	400			
					2,218	90
568	- -	Account of sundries payable as under :				
		William Davis, on account - - -	500			
		Robert Haydock, ditto - - -	500			
		Peter Brady's estate, ditto - - -	400			
		James Cochran, acct. digging - - -	300			
		F. Stelwaggon, on acct. coals - - -	166			
		Rugan and Rhoads, in full - - -	150			
		Foxall aud Richards, on acct, castings -	500			
		James Todd, on acct. salary - - -	100			
		John Davis, ditto - - -	165	10		
					2,781	10
569	June 4.	Account of sundries payable as under ;				
		George Plumstead, in full, for coals -	355	55		
		Jones and Kinsey, for harness, &c. -	31	51		
		James Rowland & Co. in full for iron -	247	50		
		Alexander Crawford, for lime - - -	172	93		
		Ns. Esling, for bricks - - -	622	99		
		Jeremiah Hornketh, ditto - - -	93	38		
		William Rice, carting - - -	30	65		
		Moses Gillingham, for plank, &c. -	202	99		
					1,757	48
		<i>Carried forward.</i>			28,845	95

No.	Date.	SPECIFIC OBJECTS.	Amount of each object.		Total amount.	
			D.	C.	D.	C.
	1803.	<i>Amount brought forward,</i>			28,845	95
570	June 4.	Account of sundries payable as under :				
		Henderson and Niblow, on acct. marble -	1000			
		Peter Brady's estate, on acct. work -	1000			
		N. and D. Sellers, in full - -	37	22		
		John Dunwoody, carting coals -	46	90		
		John Davis, sundry small bills paid by him from March 22 to June 4 - -	124	3		
		Ditto, on account of salary - -	100			
		Caleb Leach, acct. boring pipe, -	400			
					2,708	15
571	- 10.	Acct. of wages due for the month of May :				
		Carpenters - - - -	77	2		
		Smiths - - - -	193	35		
		Men at distribution - - -	273	49		
		N. J. Roosevelt's workmen - -	104	62		
		Laborers at Centre Square Engine House	5			
		Ditto at Gully, lower Engine House -	12			
		Men improving Centre Square -	313	64		
					979	12
572	- -	Account of sundries payable as under :				
		Lane and Saltar, for gun borings -	148	41		
		Foxall and Richards, for castings -	500			
		Thomas Vickers, for wages - -	840	95		
		Rynear Tyson, for lime - -	100			
		William Davis, for cordage, &c. -	256	71		
		R. Haydock, for lead, &c. - -	953	30		
		E. Fisher and Co. smith's vice -	9	56		
		James M'Ilvain, for stone - -	340	60		
		W. and J. Wayne, for lumber - -	71	81		
		John Elmslie, for wages, &c. -	64	8		
					3,285	42
573	- -	Account of sundries payable as under :				
		Estate P. Brady, marble work -	1336	39		
		Henderson and Niblow, in full, marble -	1255	27		
		H Richards, iron - - - -	400			
		John Russell, bands for pipe - -	121	29		
		J. and W. Paxson, ironmongery -	200			
		Jones and Kinsey, coal - - -	248	33		
		F. Stelwaggon, ditto - - -	170	66		
		Charles and William Jolly, iron -	134	60		
		James Todd, salary - - - -	100			
					3,966	54
574	- 23.	Edward Tilghman, per resolution of Water- ing Committee - - - -	30			
					30	
575	- -	John Brown, on acct. money granted him by a resolution of the Watering Committee, 17th instant - - - -	30			
					30	
		<i>Carried forward,</i> -			39,845	18

No.	Date.	SPECIFIC OBJECTS.	Amount of each Object.		Total Amount.	
			D.	C.	D.	C.
	1803.	<i>Amount brought forward,</i>			39,845	18
576	July 6.	Account of sundries payable as under :				
		Richard Tice, in full for coals -	594	57		
		James Cochran, on acct. digging pipe trench,	500			
		John Davis, on acct. salary - -	100			
					1,194	57
577	- -	John Grimes, on acct. logs delivered -	500			500
578	- -	Account of wages for the month of June, 1803, viz.				
		Carpenters - - - - -	81	17		
		Smiths - - - - -	187	15		
		Men at distribution - - - - -	144	12		
		N. J. Roosevelt's workmen - - - - -	105	43		
		William Songster, 4 Sunday's attendance at Centre Square Engine House -	4			
					521	87
579	- -	Account of sundries payable as under :				
		Richard Price, in full for lumber -	11	77		
		Moses Gillingham, in full for scantling -	21	22		
		E. Fisher and Co. in full for copper -	15	58		
		Caleb Leach, in full for boring pipe to 25 May	586	94		
		Asa Ridgway, in full for wages -	322	75		
		John Davis, sundry small bills paid by him from May 30 to June 30 - -	52	59		
					1,010	85
580	- -	Account of laborers and carts levelling, &c. in Centre Square, viz.				
		For the month of June - - - - -	634	64		
		H. Witchell, carting 300 loads earth, at 12½ cents - - - - -	37	50		
					672	14
581	- 12.	Payable out of appropriation No. of 1803, for meeting contract engagements, &c.				
		3193 bushels of coal, at 2s. 6d. on which a payment is now due of - - - -	500			
					500	
582	August 6.	Acct. wages due for the month of July, viz.				
		Carpenters - - - - -	76	32		
		Smiths - - - - -	198	56		
		Men at distribution - - - - -	297	98		
		Laborers clearing out Lower Funnell -	13	92		
		Men at Bason Wall - - - - -	62	48		
					649	28
583	- -	Acct. of sundries payable as under :				
		N. J. Roosevelt's men, - - - - -	117	59		
		John Dunwoody, carting coals -	59	18		
					176	77
		<i>Carried forward</i>			45,070	64

No.	Date.	SPECIFIC OBJECTS.	Amount of each object.		Total Amount.	
			D.	C.	D.	C.
	1802.	<i>Amount brought forward,</i>			45,070	64
584	August 6.	On acct. of laborers, Centre Square.				
		Wages for the month of July, 1803 -	113	20		
		Jos. Randolph's bill, painting fence -	40	18		
					153	38
586	- 13.	On account for making 303 feet hose, payable to Israel Paxton, at 40 cents -	121	20		
		Israel and Nathaniel Roberts, 3 copper pipes for hose - - -	10	50		
					131	70
585	- -	Account of sundries payable as under :				
		P. Ambruster, for horse feed -	33	97		
		J. Davis's year rent for stable, due Jan. 7th	30			
		J. M'Elwee 56 Sundays' work at Centre Square Engine, from January 27th, 1801, to June 17th, 1802 - - -	56			
		N. Lloyd, for stove and hire of stove -	22			
		James Cochran on acct. digging pipe trench	200			
		John Dunwoody, short in amount drawn for him in certificate 583, for carting coals -	40			
		John Davis, small bills paid by him from July 8th to August 12th - - -	38	90		
		Ditto on acct. his salary -	100			
		James Todd, on acct. his salary -	150			
					670	87
587	Sept. 7.	Acct. of wages due for the month of August.				
		Carpenters - - - -	98	79		
		Smiths - - - -	234	86		
		Men at distribution - - -	286	89		
		Men at Bason Wall - - -	60	13		
					680	67
588	- -	Account of sundries payable as under :				
		F. Stelwaggon, in full for coals -	564	33		
		N. J. Roosevelt's men, for the month of Aug.	127	62		
					691	95
589	- -	For balance of logs delivered - -	528	53		
					528	53
590	- -	Account of sundries payable as under :				
		Foxall and Richards, on acct. castings -	500			
		Robert Sharp, 24 tin balls for pumps -	19	20		
		John Davis, sundry small bills paid by him from August 12th to Sept. 4th, 1803 -	65	25		
		John Davis, on acct. salary - - -	100			
					684	45
591	- -	Account of wages to workmen employed in improving Centre Square, for month of August, amount - - -	132	5		
					132	5
592	- 20.	For 3,518 bushels coal, at 31 cents -	1090	58		
		Measuring at $\frac{1}{2}$ cent per bushel -	11	72		
					1,102	30
		<i>Carried forward</i>			49,846	54

No.	Date.	SPECIFIC OBJECTS.	Amount of each object.		Total amount.	
			D.	C.	D.	C.
	1803.	<i>Amount brought forward,</i>			49,846	54
593	Sept. 24.	For 1615 bushels coal at 31½	508	72		
		Measuring ditto at ½ cent per bushel	5	39		
					514	11
594	October 10.	Account of Sundries payable as under :				
		Foxall and Richards on account of castings	400			
		James Todd in full for salary - - -	223	33		
		John Davis on account ditto - - -	50			
		Ditto small bills from Sept. 15th to 30th	60	11		
		Joseph and James Crukshank in full for stationary - - -	15	15		
		Joseph Crukshank ditto - - -	13			
		William & Jacob Wayne ditto lumber	26	10		
		Jacob Wayne ditto - - -	64	51		
		Shields & Powell ditto - - -	15	12		
		Samuel Wetherill & Son in full, paint	248	70		
					1,116	2
596	- -	Account of Sundries payable as under, viz.				
		Carpenters month of July - - -	72	12		
		Smiths - - -	203	39		
		Men at distribution - - -	185	51		
		Men at bason wall - - -	82	21		
		Laborers improving Centre Square	64	51		
					607	74
597	- -	Account of Sundries payable as under, viz.				
		Men at Engine for N. J. Roosevelt	168	34		
		John Dunwoody carting 5133 bushels of coal	102	66		
					271	
598	- -	A request of David Landreth on account for trees - - -			100	
					100	
595	- -	Account of Sundries payable as under, viz.				
		N. & David Sellers in full for wire work	4	76		
		J. Edenborn ditto for leather	31	12		
		C. & W. Jolly ditto iron - - -	32	32		
		Thomas Conaroe ditto timber - - -	60	59		
		Jonathan Knight on account lumber	250			
		J. & W. Pearson in full for ironmongery	80	8		
		William Songster for sundries from October 1802 to January 6, 1803 - - -	14			
		John Russell in full for making bands	64	18		
					537	5
					52,992	46

(B.)

Abstract of Payments made by the Watering Committee, from November 1, 1802, to November 1, 1803.

	D.	c.	D.	c.
Debts left unpaid by former committee	-	-	24,684	86
Wages to workmen for six weeks, also left unpaid by the former committee	-	-	1,273	57
Wages to men employed in filling up the gully near the lower Engine House	-	-	79	40
Ditto clearing out the lower tunnel	-	-	13	92
Ditto to masons and laborers at the bason wall	-	-	204	82
Ditto to Bricklayers and laborers at Centre Square Engine House	-	-	337	37
Materials for the different departments of the works, other than the distribution	-	-	83	59
On account of the Distribution, viz.				
Wages to carpenters employed in finishing Centre Square Engine House, but chiefly employed in fitting up hydrants, stop-cocks pumps, &c.	-	-	781	64
Ditto to smiths, &c. fitting up hydrants, stop-cocks, pumps, casting brass nozles, &c.	-	-	1,973	29
Ditto to men employed in laying logs, repairing leaks, &c.	-	-	3,217	65
Materials for the distribution, such as iron for bands, iron castings for hydrants, cylinders and stop-cocks, leather for valves, lumber, &c. including the hauling of the logs	-	-	4,514	81
Logs purchased this season, 6,442 feet	-	-	1,089	12
Boring the logs (including them left last season) 18,168 feet	-	-	1,845	20
Digging pipe trench	-	-	1,000	00
Making bands, 1444 bands at 4d.	-	-	64	18
			14,485	89
Incidental expences, for stationary, a stove, and rent of a stove, fee to counsel, and gratuity to John Brown for his attention to the bason and canal	-	-	-	111 90
Salaries, paid John Davis on account	-	-	734	9
James Todd in full	-	-	733	33
			1,467	42
Centre Square, improving the square, painting the fence, levelling, planting trees, &c.	-	-	-	1,971 3
Boiler, wages to the men finishing the boiler	-	-	509	69
Materials for ditto	-	-	179	18
			688	87
Maintaining and working the Centre Square Engine, viz.				
Wages to N. J. Roosevelt's men	-	-	1,531	81
Materials for working and repairing	-	-	228	48
Coal, including hauling and measuring	-	-	5,697	83
			7,456	112
City hose, for 303 feet leather hose and pipes	-	-	151	70
			52,992	46

(C.)

Account of the Expences incurred in erecting the Water Works from the time of their Commencement in March 1799, to the 1st November 1803, charged under the following heads, viz.

	D.	C.	D.	C.
Bason on Schuylkill, being the cost of this part of the work including the wall and sluice	-	-	23,101	14
Canal, the expences of digging, walling and banking	-	-	3,438	69
Sluice between the canal and bason, cost	-	-	2,264	48
Lower Tunnel, expences of this part of the work	-	-	6,935	85
Well in Schuylkill Engine House, cost	-	-	952	68½
Lower Engine House, expences of erecting that house and some work to the ground around it	-	-	11,308	87½
Upper Tunnel, cost of this part of the work	-	-	26,324	29½
Centre Square Engine House, cost of this house excepting the carpenters wages	-	-	53,936	57
Distribution, being all the expences of logs and repairs, as well as every other expence incident to the distributing the water through the city	-	-	58,957	17
Scaffold, &c. the cost of scaffolding, shops, centres, lime houses tools, &c. including all the wages paid to Carpenters	-	-	20,513	3
Buildings, amount of some materials bought for the use of both Engine Houses	-	-	1,872	4
Smith's work, all the wages of the smiths, the materials used by them, and the expence of erecting shops and forges, being latterly for the most part on account of the distribution	-	-	6,865	24
Engines, this head includes the cost of the engines as per contract	30,000			
And the expences of materials and work about the pumps and flues, not properly a part of the steam engine	-	-	1,878	32
			<u>31,878</u>	<u>32</u>
Engine Frames, expences of timber used for frames to support the engines	-	-	948	1
Liquor, supplied the workmen	-	-	1,004	74
Centre Square, expences of improving the square, levelling, graveling, making and painting the circular fence, planting trees, &c.	-	-	3,419	80
Salaries, the whole amount of salaries accrued since the commencement of the work, viz.				
B. Henry Latrobe per contract	-	-	6,358	
John Davis clerk of the works, his salary to 1st October 1803.	-	-	4,191	
James Todd, his salary as secretary to the watering committee and accomptant at the works to the 18th August, 1805.	-	-	3,433	33
Frederick Groff paid him in 1799 for drawing and assisting generally	-	-	372	75
			<u>14,347</u>	<u>8</u>
Incidental expences, such as stationary, travelling expences, printing, fees to council, &c.	-	-	2,008	21
Robert Haydock, paid him for materials and work, for which the bill is not yet adjusted	-	-	609	20
James Cochran, paid him on acct. digging pipe trench, not yet measured	-	-	194	34
			<u>270,480</u>	<u>71½</u>
Cost of the works to November 1st, 1803.				
Advances made on account of Nicholas J. Roosevelt for maintenance and repairs of the engines	-	-	21,459	61
For the new boiler at Centre Square	-	-	4,532	29
			<u>25,991</u>	<u>90</u>
City Hose, paid for 303 feet leather hose and pipes	-	-	131	79
Whole amount of the expences incurred under the direction of the watering committee			<u>296,604</u>	<u>34½</u>

	D.	C.	D.	C.
There has been paid in cash drawn from the treasury, in part of the above amount, as per the register of certificates or orders	295,352	9		
Viz.				
Drawn prior to the 1st November, 1802	242,359	63		
Drawn from 1st Nov. 1802, to 1st Nov. 1803	52,992	46		
			295,352	9
And there remains payable to sundry persons as per list of debts marked D			1,252	25
			296,604	34

(D.)

LIST OF DEBTS

Due on account of the Water Works, November 1st, 1803.

	D.	C.	D.	C.
John Lewis wages as mason			4	51
Foxall & Richards iron castings			224	65
B. Henry Latrobe engineer			25	74
Godfrey Gebler shoeing horses, &c.			10	92
David Landreth for trees,			41	67
Jos. & James Crukshank stationary			4	27
Oliver Evans plaister of Paris			3	13
John Davis salary			195	50
Estate of P. Brady marble stones over stop cocks			90	
Jacob Edenborn leather			1	
Charles & Wm. Jolly iron			17	87
Caleb Leach boring logs			106	77
James Rowland & Co. iron			79	47
Alexander Crawford lime			13	13
William Davis hemp and cordage			25	42
Jonathan Knight lumber			26	73
Henry Richards iron			100	40
Samuel Jordan plaistering			219	14

The following persons for money received from them and paid to Jonathan Knight in part of the debt due him, it being received under a resolution of councils, for logs laid, and to be returned, without interest, when the funds of the corporation are adequate thereto—viz.

James Gibson, received of him	35
John Ashley ditto	40
Edward Shippen ditto	50
Edward Burd ditto	50
Daniel Wm. Coxz ditto	35

The above was received from logs laid along Fourth, from Walnut street to Willing's alley.

Luke W. Morris, received of him for logs from Walnut street to his brew-house, 261 feet, at 75 cents	195	75
Jonathan Meredith, from High street up Ninth street, to his house, 107 feet, at 75 cents	80	25
William Sheaff, from High street up Seventh street, 121 feet at 75 cents	90	75
		576 75

Carried forward,

1,767 7

D. C. D. C.
1,767 7

Amount brought forward,

Deduct the following debts due to the water works, for things sold, viz.

George Plumsted	-	-	-	-	-	3	10
John Miller, junior	-	-	-	-	-	2	10
Alexander Miller	-	-	-	-	-	2	12
Henry Drinker, junior	-	-	-	-	-	1	20
Caleb Lownes, over paid	-	-	-	-	-	4	
George Krebs	-	-	-	-	-	5	
Permanent Bridge Company	-	-	-	-	-	23	4
Bank of Pennsylvania	-	-	-	-	-	60	50
Thomas Leiper	-	-	-	-	-	18	18
Jeremiah Hornketh	-	-	-	-	-	8	
Nicholas Esling	-	-	-	-	-	8	
Benjamin W. Morris	-	-	-	-	-	7	25
Nicholas Mack	-	-	-	-	-	34	25
James Flanagan	-	-	-	-	-	38	
Thomas Swann	-	-	-	-	-	2	13
John Dunwoody	-	-	-	-	-	13	
James Smallman	-	-	-	-	-	11	25
Jonathan Pelling	-	-	-	-	-	2	87
Henry Pratt	-	-	-	-	-	14	50
George A. Baker	-	-	-	-	-	7	87
Samuel Wetherill and Son	-	-	-	-	-	4	92
Mint of the United States	-	-	-	-	-	4	
David Scott	-	-	-	-	-	5	6
John Stock	-	-	-	-	-	2	95
Philip Wager	-	-	-	-	-	3	25
Moore Wharton	-	-	-	-	-	42	94
John Davis, Clerk of the Works	-	-	-	-	-	185	34
							<u>514 82</u>
							<u><u>1,252 25</u></u>

(E.)

ACCOUNT OF HOUSES, &c.

Supplied with Schuylkill Water:—both for Subscribers to the Loan, and for Non-Subscribers, on rent. November 1st, 1803.

126 Houses, supplied for holders of water rights.

		Supplied on Rent, viz.	Dols.
4	Breweries,	at 24 dollars per annum	96
1	Ditto		53
1	Soap Manufactory		24
3	Sugar Refineries	20	60
3	Stables	5	15
2	Fountains	24	48
2	Banking Houses	10	20
1	Small Steam Engine		5
1	Tan Yard		15
2	Hatters Shops	10	20
1	Currying Shop		5
120	Dwelling Houses	5	600
Making an annual rent of			<u><u>8 961 00</u></u>