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REPORT

Fred. Graft
Feb. 78. 1832

OF THE

WATERING COMMITTEE,

TO THE

SELECT AND COMMON COUNCILS.

Mill buildings, printed in 1828

READ JANUARY 12, 1832.

PUBLISHED BY ORDER OF THE COUNCILS

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WASHINGTON:

REPORT OF THE COMMISSIONERS

FOR THE YEAR 1932

DEPARTMENT OF THE INTERIOR

LANDS AND MINERAL COMMISSIONERS

ANNUAL REPORT

1932

REPORT

1932

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ANNUAL REPORT

OF THE

WATERING COMMITTEE.

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

THE Watering Committee respectfully present, herewith, detailed statements of the accounts, for the year 1831, of the works under their care; together with an estimate for the year 1832. They also lay before Councils such explanations, as, they trust, will enable them and their constituents to understand the present state of the entire water establishment.

In order that the accounts of 1831 may be more distinctly comprehended, it may be useful to refer to those of 1830.

In 1830, the <i>receipts</i> from all sources amounted to	-	-	\$ 60,036 82
And the <i>payments</i> were—For Water Works,	-	-	\$ 35,660 84
To Sinking Fund,	-	-	14,000 00
To Tax Fund,	-	-	15,900 00
		—	\$ 65,560 84

So that there was placed to the credit of the Tax Fund, more than the income warranted,	-	-	5,524 02
		—	\$ 65,560 84

The accounts for 1831 show, as they ought to do, a balance in favour of the Works, and not as in 1830, against them.

The <i>receipts</i> for 1831 were, from Water revenue,	-	-	\$ 66,766 72
from loan under Ordinance of April 14, 1831,	-	-	36,200 00
		—	\$ 102,966 72

The <i>payments</i> for 1831, were—			
Balance due City Treasury, on accounts of 1830,	-	-	\$ 5,524 02
For purposes of Water Works,	-	-	63,009 57
To Sinking Fund,	-	-	14,000 00
To Tax Fund, per Ordinance of May 16, 1831,	-	-	5,830 80
		—	88,364 39

Leaving a balance for Water purposes of 1832,	-	-	\$ 14,602 33
So that, to meet all the estimated demands for 1832, there will be wanted but	-	-	30,862 67
		—	\$ 45,465 00

From all which it must be apparent, that, in case the water revenue for 1832 shall equal that of 1831, of which there can be no doubt, there will be a balance in favour of the Works, for the year 1832, of \$ 35,904 05, equal, it is hoped, to all the needful expenditure for 1833; and thus the whole water revenue of 1833 may be applied to the extinguishment of debt, and the same process be thereafter continued.

That the progressive increase of water revenue, and the relative sources thereof, may be perceived, the Committee present such a statement, at present, as was made in their last report, namely:

The receipts for 1831, consisted of—

This sum obtained on loan,	-	-	-	-	§ 36,200 00
Water Rents from City,	-	-	-	§ 43,534 14	
Northern Liberties,	-	-	-	12,054 62	
Southwark,	-	-	-	5,948 67	
Spring Garden,	-	-	-	5,229 29	
				<u>66,766 72</u>	
					§ 102,966 72

And that the nature of the expenditure may be understood, this statement is presented:

Expenses of, or attending, distribution,	-	-	-	§ 5,073 02	
Expenses at Fair Mount Works,	-	-	-	6,157 27	
Wheel and Pump,	-	-	-	4,699 62	
Iron Pipes,	-	-	-	34,693 80	
Expenses attending the application of the water power,	-	-	-	1,500 30	
Expended in constructing Reservoir No. 4,	-	-	-	6,692 31	
Incidental expenses,	-	-	-	982 00	
Salaries.—					
Frederick Graff,	-	-	-	§ 2,000 00	
Samuel W. Rush,	-	-	-	1,000 00	
Samuel Currey,	-	-	-	211 25	
				<u>3,211 25</u>	
					63,009 57
					§ 39,957 15

Of this balance, there were applied—

To pay balance of 1830, due City Treasury,	-	-	§ 5,524 02	
To Sinking Fund,	-	-	14,000 00	
To Tax Fund,	-	-	5,830 80	
			<u>25,354 82</u>	
Leaving, as heretofore stated, for water purposes for 1832,			14,602 33	
				§ 39,957 15

Estimate for 1831. On reference to the Report made to Councils on the 8th of February, 1831, it will be seen, that the amount of the estimate for that year was, § 70,665 87

Of this there was expended the sum of	-	-	§ 63,009 57	
There remains in Treasury to finish wheel and pump,	-	-	7,800 38	
			<u>70,809 95</u>	

Showing an excess beyond estimate of § 144 08: It is, however, to be observed, that the balance would have been in favour of the works, or estimate, if demands had not arisen, of which no anticipation could have been formed, such as

For receiving the Boston Guards,	-	-	§ 442 58	
For laying 888 feet of Iron Pipes in streets ordered to be paved, excess,	-	-	888 00	
For laying 242 feet of Iron Pipes, excess,	-	-	242 00	
For excess of cost of 20,747 pounds of lead,	-	-	311 20	
			<u>§ 1,883 78</u>	

Estimate for 1832. The sum estimated to be necessary for the year 1832, for the objects detailed in the annexed estimate, is § 45,465 00. On reference to former estimates, the moderation of the present will be understood; for, it will be seen, that, in the present estimate

for 1832, there are included items to the amount of \$ 23,565 00, for objects not embraced in former estimates, but for which provision was made by loans; consequently, the sum asked for 1832, for purposes embraced in former estimates, is only \$ 21,900 00.

Iron Pipes. The remainder of the iron pipes, which were contracted for in 1830, were laid down during the year 1831; the extent of pipes estimated in the report of 1831, was 11,500 feet, but 11,742 feet have been laid, or 242 feet more than calculated upon.

In consequence of extending the iron pipes in Locust Street from Thirteenth to Broad Street, and in Juniper from Spruce to Walnut Street, 3,888 feet of iron pipes have been laid in streets ordered to be paved, being 888 feet more than the extent estimated. The whole extent of iron pipes laid in 1831, was 15,630 feet, nearly three miles, making the whole extent laid in the City nearly 44 miles.

Wooden Pipes. There were laid in 1831, in repairs to wooden pipes, 1,131 feet, being 281 feet more than in 1830; from which it must be obvious, that although the extent of wooden pipes is annually diminished, by the introduction of iron pipes in their stead, the public streets cannot be kept in order until all the wooden pipes shall have been removed.

The Dam. As some inquiry has been instituted in Councils in relation to the Fair Mount Dam, it gives the Committee pleasure to be able to state, that its condition is sound and safe; the planking and all the other repairs, deemed necessary to render the dam perfectly secure, have been completed, with the single exception of depositing an additional quantity of rubble stone backing, and that will be done as soon as the state of the weather shall permit; the cost for this object is embraced in the estimate.

Reservoir No. 4. For this part of the works, 8650 yards of clay have been delivered: 5995 yards of earth have also been added to the embankments, and such other work has been done as to render this reservoir substantial, as far as it has been formed. In their last report, the Committee recommended, that one section of this reservoir should be completed in 1832; finding, however, that the reservoirs now in use are amply sufficient for the supply of water to the city and districts, they deem that undertaking unnecessary at present. Your Committee, having examined the embankments of this reservoir, since they were formed, are of opinion, that safety embankments will be necessary at some points, where the present embankments are too high. As these additional supports will add greatly to the solidity of the general structure, they are included in the annexed estimate.

Wheel and Pump. These new appendages have not been completed at as early a day as was expected; this is owing to the difficulty of procuring suitable materials, and to the delay caused by making defective castings, which were condemned. The new wheel and pump will, in all probability, be in operation early in the ensuing spring, long before their additional aid will be needful for public purposes. There has been expended for this object, the sum of \$ 4699 62, and the sum of \$ 7800 38 is on hand for its completion.

Garden plot at Fair Mount. The wall for securing the bank of the Schuylkill, south of the engine building, has been finished, coped with stone, and fenced in a substantial manner. A great increase in the height and thickness of this wall became necessary, in consequence of the difficulty of finding rock bottom for a part of the foundation; the expense attendant, as well as the cost of filling up the low ground, east of the wall, and of forming a garden plot there, exhausted the sum estimated for those objects. For the completion of this part of the premises, under care of the Committee, including sodding, planting trees, forming gravel walks, and erecting a fountain, the sum embraced in the estimate will be requisite; and your Committee cannot doubt that it will be readily appropriated; heretofore, the ground between the bridge and the works has presented a sad contrast with the adjacent scenery; in future, the entire property of the City will present uniformity in taste as well as utility.

Main on the old canal bank. The 20 inch iron main, laid in 1820, was carried along the old canal bank, from John street to Schuylkill Second street, under an impression, that at a future day it would be opened as a public street, and that the main would not be disturbed; recently, however, the Columbia rail road has been located north of the line of the old canal;

and, besides, it is contemplated to grade the north and south streets, passing over the line of the old canal, so as to adapt them to the level of Callowhill street and the rail road; it becomes necessary, in consequence, to remove the main from its present position; to this end, application has been made to the Canal Commissioners of Pennsylvania, for permission to lay down the main for an extent of about 2200 feet, under and along the southern side of the state rail road. Your Committee are happy to be able to state, that the Canal Commissioners have given a favourable answer, but as no precise time can now be fixed for removing the main, the cost is not embraced in the present estimate.

The old steam-engine. Councils have heretofore authorized the Committee to offer these engines for sale, and they have been accordingly advertised—no offer, however, has ever been made; in the meantime, these articles are daily depreciating, nay, they are not now of much more value, beyond that of old iron. In no event could a part of them be at all used, and, were the remainder repaired, it must be at much cost, without any ability to answer public purposes; your Committee, therefore, are in favour of an early and absolute sale.

The Districts. Contracts have been entered into with the newly incorporated part of Spring Garden, and with the Township of Moyamensing, for supplying those Districts with water; with the former the contract has been formed, and the necessary instrument for the latter is in preparation. The District of Kensington has also applied to enter into a contract for a supply of water from the City fount, and your Committee have at all times been desirous to conclude an engagement, on the terms assented to by all the other districts, that is, to deliver the water at the City boundary. In the case of the Kensington District, however, a difficulty exists, such as did not arise in any former instance; the soil of all the other Districts is bounded by the City soil, and therefore, as soon as the City delivered water at the boundary line, the adjoining District at once attached its pipes; between the City and Kensington, however, the District of the Northern Liberties intervenes, and the City has no right to carry through the soil of that District, pipes for supplying Kensington, so that the assent of the District of the Northern Liberties is necessary to enable her neighbour to partake of the contemplated benefit. It is to be regretted that no agreement between the Districts has been made; citizens, separated by lines almost imaginary, and who prosper or pine as they severally thrive or suffer, have, after all, a common interest, and should seek to promote the comfort and convenience of each other; the City cannot control either; all that it can do is to act towards all with perfect impartiality.

Damages. Of the appropriation for payment of damages, the sum of \$ 79 87 remains, no part having been called for since last report.

The increase of Water Rents in 1831, was

In the City,	-	-	-	-	\$ 2,767 25
Northern Liberties,	-	-	-	-	2,114 75
Southwark,	-	-	-	-	699 50
Spring Garden,	-	-	-	-	1,208 50
					<hr/> \$ 6,790 00

The Committee believe, that they have thus given all the information needful to a correct conception of the subject. In closing their report, they beg leave to call the attention of Councils, and of their fellow-citizens generally, to the interesting and lucid statistical history of the Water Works, for the last thirty-two years, that is, from the period of their first introduction, which is appended to this Report: This useful and curious document has been prepared, with equal care and labour, by the respectable gentleman, whom it has been the good fortune of the City so long to have, as their skilful and assiduous superintendent: it is a document, not only valuable to ourselves at present, but calculated to be so, to those who shall succeed us, and even to inquirers after useful information, wherever may be their home.

Respectfully submitted, January 12, 1832.

W. J. DUANE, *Chairman.*

x appendices

Nos. 13 + 14, pp. 16 to 30, following, or rather No. 14
pp 25 to 30

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No. 1.

LIST OF CERTIFICATES FOR MONEYS

DRAWN BY THE

WATERING COMMITTEE

FOR

FAIR MOUNT WATER-WORKS.

From December 31st 1830, to December 31st 1831.

No.	1831.							Dolls.	C.
79	Feb'y. 1,	In favour of Frederick Graff,	-	-	-	-	-	793	72
80	March 1,	Ditto,	-	-	-	-	-	1792	40
81	April 1,	Ditto,	-	-	-	-	-	2663	26
82	27,	Ditto,	-	-	-	-	-	26812	96
83	May 2,	Ditto,	-	-	-	-	-	1325	86
84	June 1,	Ditto,	-	-	-	-	-	2312	42
85	7,	Ditto,	-	-	-	-	-	2500	00
86	July 1,	Ditto,	-	-	-	-	-	4704	13
87	August 1,	Ditto,	-	-	-	-	-	4086	01
88		Ditto,	-	-	-	-	-	2078	35
89	Sept'r. 1,	Ditto,	-	-	-	-	-	3092	95
90	Oct'r. 1,	Ditto,	-	-	-	-	-	2375	47
91	Nov'r. 1,	Ditto,	-	-	-	-	-	2072	89
92	Dec'r. 1,	Ditto,	-	-	-	-	-	1641	61
93	14,	Ditto,	-	-	-	-	-	1300	89
94		Ditto,	-	-	-	-	-	1696	96
95		Ditto,	-	-	-	-	-	1759	69
								63009	57

No. 2.

ABSTRACT OF PAYMENTS

MADE UNDER THE

*Foregoing Certificates.*Distribution.

No.	1831.		Dolls.	C.
79	Feb'y. 1,	Daniel Arnold, for 148 $\frac{2}{3}$ yards of repaving over private water pipes,	35	68
		Wages of workmen for January, - - - -	222	85
80	March 1,	Ditto for February, - - - -	217	52
81	April 1,	Samuel Richards, for 67 Cwt. 3 qrs. of hay, had in 1830 and 1831,	51	31
		Martha L. Adams, for 6 months' ground rent, due February 1st,	13	33
		John Mingle and Son, for leathering smith's bellows, &c., -	22	00
		Wages of workmen for March, - - - -	239	70
83	May 2,	George Miley, for 20 loads canal sand, and hauling pipes, -	39	00
		Daniel Arnold, for 220 yards repaving over water pipes, at 24 cents,	52	80
		Wages of workmen for April, - - - -	226	17
84	June 1,	Ditto for May, - - - -	226	57
86	July 1,	Daniel Arnold, for 177 $\frac{1}{2}$ yards repaving, - - - -	42	60
		George Miley, for hauling pipes, - - - -	60	00
		Wages of workmen for June, - - - -	168	70
87	August 1,	Benjamin Homer, for sundry brass stop cocks for pumps, -	29	50
		George Peterman, for horse feed from December 4th, 1830, -	40	06
		Lane Schofield, for a new cart and for repairs to log-wagon, -	59	00
		J. L. Stelwaggon, for 300 bushels Virginia coal, delivered, -	88	50
		Daniel Arnold, for 176 yards of repaving, - - - -	42	24
88		Joseph Edwards, for 62 pounds of brass castings, - - - -	18	60
		Joseph Caskey, for whiskey for workmen, - - - -	24	15
		Wages of workmen for July, - - - -	181	69
89	Sept'r. 1,	Martha L. Adams, for 6 months' ground rent on shop lot, -	13	33
		Daniel Arnold, for 200 yards repaving, - - - -	48	00
		Isaiah Dixey, for 18 hydrant pumps, and for nossels and boxes,	114	00
		C. W. Schreiner, taxes for 1831, on shop lot, - - - -	30	39
		William Piersol, for sundry wrought iron, - - - -	120	00
		Wages of workmen for August, - - - -	262	20
90	Oct'r. 1,	Daniel Arnold, for 170 yards of repaving, - - - -	41	80
		Wages of workmen for September, - - - -	204	94
91	Nov'r. 1,	N. Burt, for 58 yards of packing cloth, - - - -	18	56
		J. R. & J. M. Bolton, for 2 $\frac{1}{2}$ tons of coal, at \$ 5 00, - - - -	12	50
		Wages of Workmen for October, - - - -	222	26
92	Dec'r. 1,	Isaiah Dixey, for 12 hydrant pumps, - - - -	66	00
		Samuel Richards, for 5 loads of hay, and half weighing, -	79	87
		Israel Roberts, for copper work to stop cocks and pumps, -	45	00
		Merrick & Agnew, for 2 lamp torches, for night work, -	6	50
		John Evans, for 5365 feet 1 $\frac{1}{4}$ cedar boards, - - - -	160	95
		Robert Looney, for 635 bundles of straw, - - - -	45	07
		Wages of workmen for November, - - - -	231	63
93	14,	J. L. Stelwaggon, for sundry wrought iron, - - - -	50	00
		Keyser & Longstreth, for sundry lumber, - - - -	114	72
		Wetherill & Brothers, for paints, oil, &c., - - - -	25	44
		Isaiah Dixey, for 198 pump boxes, - - - -	12	37
		Rowley & Alberger, for plumber's work to pumps, &c., -	182	15
		Amos Jeans, for lumber, - - - -	5	47
		Daniel Arnold, for 101 yards repaving, - - - -	24	24
		George Peterman, for horse feed, - - - -	59	55
		Amount carried forward,	4298	91

No.	1831.	Amount brought forward,	Dolls. C.	Dolls. C.
93	Dec'r. 14,	Furman Leaming & Co., for 5 casks of nails, -	4298 91	
		William Randolph, for 7545 feet 1 $\frac{1}{4}$ heart boards, &c.,	28 62	
94		Charles Fox, for 2750 bricks for paving over pumps, &c.,	213 55	
		John P. Wetherill & Co., for 359 feet of lead pipe,	24 00	
		Walton & Hill, for spades, shovels, and ironmongery,	80 76	
		William Riehle & Sons, for 145 pounds of pump leather,	84 40	
		George Miley, for hauling pipes, and for 11 loads of canal sand, - - - - -	43 50	
		Black & Craig, for shoeing horses, - - - - -	36 25	
95	22,	Amos Jeans, for 576 feet of boards, delivered, -	18 12	
		Wages of workmen for December, - - - - -	16 09	
			228 82	
				5073 02

No. 3.

Fair Mount Works.

79	Feb'y. 1,	Wages of workmen for January, - - - - -	12 00	
80	March 1,	Ditto for February, - - - - -	22 06	
81	April 1,	William Cannon, for hack hire, - - - - -	5 00	
		Wages of workmen for March, - - - - -	12 00	
83	May 2,	William Cannon, for hacks for Councils, April 28th,	17 50	
		John Robinson, on account, for building a wall and materials,	150 00	
		Wages of workmen for April, digging foundations for wall, &c., - - - - -	163 84	
84	June 1,	Joseph S. Lewis & Co., for sundries for Councils, -	30 00	
		John Robinson, on account, for building wall and materials,	600 00	
		Wages of workmen, digging foundations, &c., for May,	80 00	
86	July 1,	Hugh Scott, for 366 $\frac{1}{2}$ perches of large stone put in the dam, &c., - - - - -	406 20	
		Daniel Rubicam, for sundries for Councils and the Watering Committee, - - - - -	126 70	
		John Robinson, on account, for building wall and materials,	500 00	
		Frederick Erdman, on account, for planking the dam,	250 00	
		Wages of workmen for June, - - - - -	96 97	
87	August 1,	William P. Horner, for hack hire for Councils and Watering Committee, - - - - -	27 50	
		William Cannon, for hack hire for ditto, - - - - -	7 50	
		John Robinson, balance for 1693 $\frac{1}{2}$ perches stone wall and materials, at \$ 1 48, - - - - -	1256 38	
		John Moore, for half measuring charge for stone wall,	10 00	
		Frederick Erdman, balance for planking dam, building ice break, &c., - - - - -	144 06	
		Wages of workmen for July, - - - - -	97 20	
89	Sept'r. 1,	John Robinson, for pointing and repairs to the works generally, - - - - -	59 64	
		Wages of workmen for August, - - - - -	93 91	
90	Oct'r. 1,	Thomas Maguire, in full, for hauling and levelling 2662 yards of dirt, - - - - -	266 20	
		Francis Mitchell, for county and poor tax for 1831,	275 94	
		Peter Hotz, ditto for corporation tax for ditto,	262 80	
		D. & C. Landreth, for 14 trees, - - - - -	14 00	
		William Cannon, for hack hire to September 30, -	7 50	
		Amounts carried forward,	4994 90	5073 02

No.	1831.		Dolls.	C.	Dolls.	C.
		Amounts brought forward,	4994	90	5073	02
90	Oct'r. 1,	Wages of workmen for September,	151	69		
91	Nov'r. 1,	Ditto for October,	57	50		
92	Dec'r. 1,	Paul Hunter & Co., for digging and hauling 1133 yards of black earth,	249	26		
		Henry L. Coryell, for carpenter's work to new fence and repairs to mill-house,	143	05		
		Wages of workmen for November, sodding garden, &c.,	149	90		
93	14,	Keyser & Longstreth, for lumber for fence and repairs to buildings,	130	49		
94		Peter Henri, for painting iron railing, wood fence, glazing, &c.,	55	43		
		Wilson Hunt, for sundries for the Committee,	18	00		
		William Cannon, for hack hire,	7	50		
		Horner & Williams, for ditto,	15	00		
95	22,	Shippen & Co., for 35 bushels of lime,	8	05		
		Andrew Gillespie, selecting and planting trees,	15	00		
		R. Carr, for 20 trees,	20	00		
		D. & C. Landreth, for 10 trees,	9	50		
		Alexander Scott, for 152 loads canal gravel, hauling sods and coping,	110	00		
		Wages of workmen for December,	22	00		
					6157	27
<hr/>						
No. 4.						
Wheel and Pump.						
84	June 1,	James H. Deas, for circular 16 inch pipe pattern, and stuff,	39	43		
85	7,	Levi Morris & Co., on account, for building water wheel and pump,	2500	00		
87	August 1,	Stephen Simmons, for 2052 feet of oak joist,	37	16		
		Samuel Richards, for 16 inch iron pipes, &c., for pump main,	1030	90		
89	Sept'r. 1,	Hugh Scott, for dressed stone, and other work, and materials to mill work,	614	70		
90	Oct'r. 1,	Henry L. Coryell, on account of carpenter's work to mill house,	50	00		
91	Nov'r. 1,	Wages of workmen for October, laying iron 16 inch main, &c.	189	00		
92	Dec'r. 1,	George V. Vaux, for 6 casks of Roman cement,	42	00		
		Wages for November, at iron main, and sundry jobbing,	135	90		
93	14,	Keyser & Longstreth, for lumber,	60	53		
					4699	62
<hr/>						
No. 5.						
Iron Pipes.						
79	Feb'y. 1,	Wages of workmen for January, fitting up work,	143	25		
80	March 1,	Joseph Edwards, for 129 pounds of brass castings,	38	70		
		Wages of workmen for February,	130	12		
81	April 1,	Wages of ditto for March,	171	87		
Amounts carried forward,			483	94	1592	91

No.	1831.	Amounts brought forward,	Dolls.	C.	Dolls.	C.
		Amounts brought forward,	483	94	15929	91
82	April 27,	Andrew M. Jones, for pipes and castings delivered in 1830, as per contract, - - - - -	13312	60		
		Samuel Richards, for ditto delivered under the above contract, - - - - -	11668	12		
		Joshua Percival, for 31972 pounds of lead, at 3½ cents, bought in 1830, - - - - -	1119	02		
83	May 2,	George Miley, for hauling iron pipes, - - - - -	24	00		
		Wages of workmen for April, laying pipes, - - - - -	562	55		
84	June 1,	Andrew Ellicott, for advertising for iron pipes in Baltimore, - - - - -	5	25		
		Joseph Edwards, for 506½ pounds of brass castings, - - - - -	151	95		
		Wages of workmen for May, - - - - -	1048	44		
86	July 1,	George Miley, for hauling pipes and castings, - - - - -	54	00		
		Wages of workmen for June, - - - - -	539	09		
87	August 1,	Samuel Richards, for pipes to be laid in unpaved streets, - - - - -	2049	66		
88		Wages of workmen for July, - - - - -	245	77		
89	Sept'r. 1,	William Piersol, for sundry wrought iron, - - - - -	98	58		
		Wages of workmen for August, - - - - -	181	92		
90	Oct'r. 1,	Wages of ditto for September, - - - - -	144	23		
91	Nov'r. 1,	Joshua Percival, for 20747 pounds of lead, at 5½ cents, for laying incidental pipes, - - - - -	1141	08		
		Smith & Gouge, for advertising, - - - - -	8	12		
		Joseph Edwards, for 122 pounds of brass work, - - - - -	36	60		
		Wages of workmen for October, - - - - -	66	87		
92	Dec'r. 1,	Jacob Frick, for advertising, - - - - -	13	87		
		Israel Roberts, for brass sheathing stop cock spindles, - - - - -	56	65		
		Wages of workmen for November, - - - - -	122	96		
93	14,	E. & T. Dallett, for 212 pounds of tallow, - - - - -	21	20		
		J. L. Stelwaggon, for sundry wrought iron, - - - - -	68	75		
		William Kerr, for chandlery, spun yarn, &c. - - - - -	67	70		
94		Israel Roberts, for sundry brass work, - - - - -	15	00		
		Samuel Richards, for 175 iron pipes, and sundry stop cocks, &c. - - - - -	1157	63		
		Jesper Harding, for advertising, - - - - -	11	75		
		Zachariah Poulson, for ditto, here and at Baltimore, - - - - -	18	00		
		Joseph Edwards, for 160 pounds of brass work, - - - - -	48	00		
		William Fry, for advertising, - - - - -	13	25		
95	22,	Wages of workmen for December, - - - - -	137	25		
					34693	80

No. 6.

Water Power.

79	Feb'y. 1,	Wages of workmen for January, - - - - -	93	00		
80	March 1,	Ditto ditto for February, - - - - -	84	00		
81	April 1,	Thomas Barnes, for 32½ gallons lamp oil, - - - - -	29	40		
		Wages of workmen for March, - - - - -	93	00		
83	May 2,	Ditto ditto for April, - - - - -	90	00		
84	June 1,	Thomas Barnes, for 33½ gallons olive oil, - - - - -	37	78		
		Wages of workmen for May, - - - - -	93	00		
86	July 1,	Ditto ditto for June, - - - - -	90	00		
88	August 1,	Ditto ditto for July, - - - - -	93	00		
89	Sept'r. 1,	Ditto ditto for August, - - - - -	93	00		
90	Oct'r. 1,	Ditto ditto for September, - - - - -	90	00		
91	Nov'r. 1,	J. R. & J. M. Bolton, for 22 tons of coal, at \$4 75,	104	50		
Amounts carried forward,			990	68	50623	71

		Dolls. C.	Dolls. C.
No. 1831.	Amounts brought forward,	990 68	50623 71
91 Nov'r. 1,	Thomas Barnes, for 83 gallons lamp oil and olive oil,	78 85	
	Wages of workmen for October, - - -	93 00	
92 Dec'r. 1,	Ditto ditto for November, - - -	93 00	
93 14,	E. & T. Dallett, for 602 pounds of tallow, - - -	54 18	
	Wetherill & Brothers, for paints, oil, emory, black lead, &c.	15 00	
	William Kerr, for chandlery, - - -	82 59	
95 22,	Wages for December, - - -	93 00	
			1500 30
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No. 7.			
Reservoir No. 4.			
79 Feb'y. 1,	Alexander Scott, balance for hauling 3008 yards of dirt, &c. done in 1830, - - -	234 57	
80 March 1,	Alexander Scott, on account, for hauling 2707 yards of dirt, George Bumm, on account, for clay, and hauling 3566 yards from Caldwell's yard, - - -	300 00	
81 April 1,	Alexander Scott, for 231 yards of dirt, wheeled to reservoir in 1830, - - -	1000 00	
	George Bumm, on account, for 3566 yards of clay, and hauling from Caldwell's yard, - - -	34 65	
82 27,	George Bumm, balance on 2609 yards of clay, hauled from Pine street culvert, - - -	1100 00	
86 July 1,	George Bumm, on account, second contract, hauling 2475 yards clay from Caldwell's yard, - - -	713 22	
	Alexander Scott, on account, for hauling 2707 yards of dirt, - - -	1200 00	
87 August 1,	George Bumm, balance for clay, and hauling 2475 yards from Caldwell's yard, - - -	300 00	
	Alexander Scott, balance for hauling 2707 yards of dirt, - - -	532 50	
89 Sept'r. 1,	George Bumm, balance for 3566 yards clay, and hauling from Caldwell's yard, - - -	36 14	
	Alexander Scott, on account, for hauling dirt, 2230 yards, - - -	396 20	
91 Nov'r. 1,	Alexander Scott, balance, for hauling 2230 yards of dirt, - - -	500 00	
93 Dec'r. 14,	Samuel Hains, for measuring clay and dirt, - - -	24 05	
95 22,	Alexander Scott, for hauling 1018 yards of dirt, on banks, Ditto, for hauling stone, and incidental carting, &c.	31 00	
		239 23	
		50 75	
			6692 31
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No. 8.			
Incidentals.			
79 Feb'y. 1,	James P. Moss, for 3 sets of window blinds, for Watering Committee's Office, in City Hall, - - -	30 00	
	John Leadbeater & Son, for astral lamp and sundries, for do. - - -	22 37	
81 April 1,	Joseph Burden, for chairs and stool for ditto, - - -	40 25	
	John B. Jewell, for painting office, desks, &c., ditto, - - -	69 50	
86 July 1,	Robert Desilver, for water rent books, and stationary, - - -	59 87	
87 August 1,	Smith & Gouge, advertising sale of steam-engines at Fair Mount, - - -	4 75	
Amounts carried forward,		226 74	58816 32

No.	1831.		Dolls.	C.	Dolls.	C.
		Amounts brought forward,	226	74	58816	32
87	August 1,	John Rea, for carpeting and sundries for Watering Committee's Office, in City Hall,	108	10		
89	Sept'r. 1,	Campbell & Wiley, building sheds to receive the Boston Guards,	7	00		
		William P. Horner, for hack hire for Councils, attending ditto,	10	50		
		Daniel Rubicam, for dinner, &c., given to ditto,	408	08		
		William Cannon, for hack hire for Councils,	17	00		
		Stephen P. Morris, for a stove and fixtures for Watering Committee's Office, in City Hall,	24	50		
90	Oct'r. 1,	Robert Desilver, for water rent books and stationary,	56	37		
91	Nov'r. 1,	Benjamin G. Mitchell, for drawing agreement to supply Spring Garden District with water,	20	00		
93	Dec'r. 14,	William Hyde, for ledger and stationary for superintendent, for 2 years,	24	89		
		Lydia R. Bailey, for printing, and reports,	21	50		
		Dwight & Townsend, (New-York) for advertising sale of steam engines,	6	95		
94		Robert Desilver, for books and stationary,	50	37		
					982	00

No. 9.

Salaries.

81	April 1,	Samuel W. Rush, for one quarter, due April 1st,	250	00		
		Samuel Currey, ditto ditto,	31	25		
		Frederick Graff, ditto ditto,	500	00		
86	July 1,	Samuel W. Rush, ditto July 1st,	250	00		
		Samuel Currey, ditto ditto,	60	00		
		Frederick Graff, ditto ditto,	500	00		
90	Oct'r. 1,	Samuel W. Rush, ditto October 1st,	250	00		
		Samuel Currey, ditto ditto,	60	00		
		Frederick Graff, ditto ditto,	500	00		
95	Dec'r. 22,	Samuel W. Rush, ditto December 31st,	250	00		
		Samuel Currey, ditto ditto,	60	00		
		Frederick Graff, ditto ditto,	500	00		
					3211	25
					63009	57

No. 10.

ABSTRACT OF PAYMENTS

MADE BY THE

WATERING COMMITTEE,

From December 31st 1830, to December 31st 1831.

	Dolls.	C.
Distribution, - - - - -	5073	02
Fair Mount Works, - - - - -	6157	27
Wheel and Pump, - - - - -	4699	62
Iron Pipes, - - - - -	34693	80
Water Power, - - - - -	1500	30
Reservoir, No. 4, - - - - -	6692	31
Incidentals, - - - - -	982	00
Salaries, - - - - -	3211	25
	<u>63009</u>	<u>57</u>

No. 11.

SUMS PAID INTO THE TREASURY

BY THE SUPERINTENDENT.

From December 31st 1830, to December 31st 1831.

1831.		Dolls.	C.
Jan'y 19,	To Cornelius Stevenson, Treasurer, for rent of Francis street wharf, old pipes, &c., - - - - -	182	68
Mar. 30,	To ditto, for old pipes, wood, &c., - - - - -	130	20
June 22,	To ditto, for rent of Francis street wharf, and for old pipes and castings, - - - - -	161	20
July 25,	To ditto, received of Francis Harley, for 15 tons old castings, - - - - -	300	00
Oct'r. 3,	To ditto, for old dam plank, old pipes, &c., - - - - -	96	10
Dec'r. 27,	To ditto, for old wood, pipes and castings, and 3958 feet logs sold to the poor, - - - - -	201	92
		<u>1072</u>	<u>10</u>

X In W. Rusher account 2.15

No. 12.

ESTIMATE FOR THE YEAR 1832.

	Dolls.	C.	Dolls.	C.
For working machinery at Fair Mount, and for materials, -	1500	00		
For castings, hydrant pumps, lumber, repaving, and for general repairs to the Distribution, - - - - -	5500	00		
For laying iron pipes where streets may be ordered to be paved, or where applications are made for a supply of water, - - - - -	3500	00		
For Salaries and Incidentals, - - - - -	3500	00		
			14000	00
For forming safety banks around the exposed parts of Reservoir No. 4, where the present embankments are considered too high without additional support, - - - - -				2000
For placing 10,000 yards additional backing of rubble stone on the back of the dam, - - - - -				2500
For general repairs at Fair Mount, for the payment of taxes, for sodding, and planting of trees, for gravelling the walks of the late improvement, and for erecting a fountain, - - - - -				3400
For iron pipes and laying, between Spruce and Cedar streets, and between Eighth and Eleventh streets, which are already contracted for, by order of Councils, - - - - -	12750	00		
For laying a 16 inch main in Chesnut street, from Schuylkill Eighth to Fifth street, and connexions thereto, - - - - -	6765	00		
For laying a 12 inch main in Spruce street, from Eleventh to Broad street, and connexions thereto, - - - - -	4050	00		
			23565	00
			45465	00

FREDERICK GRAFF,

Superintendent of the Water Works.

No. 13.

ACCOUNT OF IRON PIPES LAID,

Commencing with the 22 and 20 inch Iron Main, in October 1819.

		Feet.	Feet.
1819.			
October,	Began to lay the main at Chesnut and Broad streets, running northward to Callowhill street, thence along Callowhill to near Schuylkill Second street, and from thence passing on the canal bank to Schuylkill Front street, - 20 inch pipes,	6,909	
	And from thence continued along the canal bank to Hunter street, and along Hunter street to Pearl street, thence southward up the hill into Reservoir No. 1, 22 inch pipes,	2,661	
			9,570
	The above was begun October 1819, and finished in September, 1820. Supplied the City by this main, October 1820.		
1821.			
June,	Laid south side of Chesnut, from Broad to Front street, 10 inch pipes,	6,176	
	Branches and connexions,	378	
Dec'r.,	Laid Walnut, from Dock to above Sixth street, and branches, 6 inch pipes,	1,921	
			8,475
1822.			
	Laid south side of High street, from Front street to Centre Square, and on the north side of High street to Eleventh street, and from Front to Water street in High street,		
	6 inch pipes,	11,172	
June,	Laid Jones's Alley to Second street, - 3 do.	401	
August,	Laid Sixth street, from High to Mulberry, 6 do.	683	
Sept'r.,	Laid Marble Alley, Tenth above High street, 1½ do.	278	
October,	Laid Seventh street, from Chesnut street to north side of High street, - - - 6 do.	731	
Nov'r.,	Laid Front street, to north side of Union street, 8 do.	1,980	
	Laid Walnut street, from Front to Dock street, 6 do.	790	
			16,035
	<i>Pipes laid in 1823, viz.</i>		
1823.			
April,	Laid north side of High street to Juniper street, 6 inch pipes,	1,142	
May,	Laid Front street, from Union to Cedar street, 8 do.	940	
	Connexions to plugs, &c., - - - 3 & 4 do.	264	
	Laid Pine street, from Front to Second street, &c., 6 do.	606	
	Laid Marble street, below High street, between Tenth and Eleventh streets, - - - 3 do.	422	
June,	Laid Second street, from Chesnut to Vine street, 6 do.	2,635	
July,	Laid Church Alley, from Second street, westward, 3 do.	140	
August,	Laid Fourth street, from High to Mulberry street, 6 do.	694	
	Laid Dean's Alley, in Eighth above Spruce street, 1½ do.	170	
	Laid George street, west from Thirteenth street, 1½ do.	108	
	Laid north-east Public Square, for fire plug, 3 do.	275	
Sept'r.,	Laid Miller's Alley, in Sixth above Spruce street, 1½ do.	138	
	Laid Front street, from Chesnut to High street, 8 do.	481	
	Laid across High street, at Ninth and Tenth streets, 6 do.	234	
	Amounts carried forward,	8,249	34,080

		<i>Feet.</i>	<i>Feet.</i>
1823.	Amounts brought forward,	8,249	34,080
Sept'r.	Laid 2d main, in Chesnut street, from Front to Broad street, - - - 10 inch pipes,	6,176	
	Branches to fire plugs, &c., to do., 3 to 10 do.	300	
	Laid Bingham's court, - - - 3 do.	268	
			14,993
	<i>Pipes laid in 1824, viz.</i>		
1824.	Laid Trotter's alley, from Second street westward, 1½ inch pipes,	96	
	Laid Comptroller street, from Spruce to Union street, - - - 1½ do.	317	
	Laid Vaux's court, from Tenth street eastward, 1½ do.	200	
	Laid Castle street, from Tenth to Eleventh street, 3 do.	396	
	Laid Quince street, from Spruce street northward, 3 do.	108 ✓	
	Laid Gaskill street, from Second to Third street, 3 do.	490	
	Laid Barron street, from Cedar to Gaskill street, 3 do.	200	
	Laid Sterling alley, from Sassafras street southward, 3 do.	81	
	Laid Keys's alley, from Front to Second street, 3 do.	456	
	Laid Coates's alley, from Front to Second street, 3 do.	396	
	Laid Drinker's alley, from Front to Second street, 3 do.	396	
	Laid Elfreth's alley, from Front to Second street, 3 do.	396	
	Laid Coombes's alley, from Front to Second street, 3 do.	396	
	Laid Chancery lane, from Coombes's alley to Mulberry street, - - - 3 do.	200	
	Laid Fourth street, from High to Chesnut street, 4 do.	481	
	Laid Sixth street, from High to Walnut street, 6 do.	1,095	
	Laid Walnut street, from Sixth to Eighth street, 6 do.	842	
	Laid Fourth street, from Chesnut to Walnut street, 6 do.	564	
	Laid Third street, from Chesnut to Walnut street, 6 do.	514	
	Laid Second street, from Chesnut to Spruce street, 6 do.	1,369	
	Laid Third street, from Cedar to Gaskill street, 6 do.	200	
	Laid Pine street, from Second to Fifth street, 6 do.	1,338	
	Laid Third street, from Mulberry to High street, 6 do.	758	
	Laid Fourth street, from Mulberry to Vine street, 6 do.	1,298	
	Laid Sassafras street, from Third to Fifth street, 6 do.	892	
	Laid Front street, from High to Vine street, 8 do.	2,078	
	Laid Mulberry street, from Front to Fifth street, 8 do.	1,843	
	Laid Cedar street, from Front to Second street, 8 do.	400	
	Laid Mulberry street, from Fifth to Eighth street, 10 do.	1,338	
	Laid Cedar street, from Second to Third street, 10 do.	581	
	Laid Fifth street, from High to Chesnut street, 10 do.	481	
	Connexions of fire plugs, &c., of 3, 4, & 6 do.	300	
			20,500
	<i>Pipes laid in 1825, viz.</i>		
1825.	Laid Vine street, from Broad to Fifth street, 12 inch pipes,	4,216	
	Laid Vine street, from Fifth to Front street, 10 do.	1,960	
	Laid Maple and Middle alleys,—Bird's ground, for a pump, - - - 1½ do.	96	
	Laid Pear street, and part of Dock street, 3 do.	516	
	Laid Pear street, and part of Dock street towards Second street, - - - 1½ do.	56	
	Laid Mulberry court, - - - 3 do.	162	
	Laid Lodge alley, from Seventh street west, 3 do.	120	
	Laid Monday's court, Eleventh above High street, 1½ do.	120	
	Laid Coombes's alley, above Front street, a branch, 2 do.	60	
	Laid Cake's court, in Coates's alley, for a pump, 1½ do.	83	
	Amounts carried forward,	7,389	69,573

		<i>Fect.</i>	<i>Fect.</i>
1825.	Amounts brought forward,	7,389	69,573
	Laid east of Dean street, between Locust and Spruce streets, - - - - 3 inch pipes,	304	
	Laid Perry street, from Spruce street southward, 4 do.	472	
	Laid Budd street, adjoining do., 3 do.	300	
	Laid two adjoining alleys, east and west streets, 3 do.	490	
	Laid Dock street, east side, from Front to Second street, - - - - 3 do.	755	
	Laid Dock street, west side, from Second street southward, - - - - 3 do.	500	
	Laid Branner's court, below Vine, west of Fifth street, for a pump, - - - - 1½ do.	114	
	Laid connexions to supply Northern Liberties, &c., - - - - 3, 4, 6, & 10 do.	856	
	Laid Davidson's alley, from Thirteenth to Juniper street, north of Chesnut street, - 3 do.	214	
			11,394
	<i>Pipes laid in 1826, viz.</i>		
1826.	Laid Marshall's alley, from Fourth to Fifth street, 3 inch pipes,	446	
	Laid Library street, from Fourth to Fifth street, 3 do.	446	
	Laid Cypress alley, from Third to Fourth street, 3 do.	446	
	Laid Willing's alley, from Third to Fourth street, 3 do.	446	
	Laid Sterling alley, part from Race to Cherry street, - - - - 3 do.	250	
	Laid Stamper's alley, from Second to Third street, 3 do.	446	
	Laid Laurel and York courts, from Spruce to Third street, - - - - 3 do.	450	
	Laid Bread street, or Moravian alley, from Race to Arch street, - - - - 3 do.	666	
	Laid Fetter lane and Quarry street, - 3 do.	450	
	Laid Relief alley, from Front to Second street, 3 do.	390	
	Laid Dock street, west side, from Spruce street westward, - - - - 3 do.	304	
	Laid Green street, south from Spruce street, 3 do.	120	
	Laid Budd street, from Jackson to Thirteenth street, - - - - 3 do.	102	
	Laid alley north of Spruce street, from Twelfth to Dean street, - - - - 3 do.	200	
	Laid part of Mercer and Warren streets, north of Spruce street, and part of Quince street, 3 do.	502	
	Laid Adams street, from Perry to Thirteenth street, - - - - 3 do.	200	
	Laid George and Pemberton alleys, from Vine to New street, - - - - 3 do.	350	
	Laid Union street, from Front to Fourth street, 4 do.	1,422	
	Laid Cherry street, from Third to Fifth street, 4 do.	925	
	Laid New street, from Second to Fourth street, 4 do.	1,000	
	Laid Second street, west side, from Cedar to Pine street, - - - - 4 do.	644	
	Laid Second street, east side, from Cedar to Pine street, - - - - 4 do.	644	
	Laid Lombard street, from Front to Third street, 4 do.	951	
	Laid Gaskill street, from Third to Fifth street, 4 do.	950	
	Laid Dean street, from Spruce street northward, 4 do.	171	
	Laid Fourth street, from Walnut to South street, 6 do.	2,061	
	Laid Third street, from Walnut to South street, 6 do.	2,061	
	Laid Lombard street, from Third to Fifth street, 6 do.	901	
	Laid Race street, from Front to Third street, 6 do.	951	
	Amounts carried forward,	18,895	80,967

		<i>Feet.</i>	<i>Feet.</i>
1826.	Amounts brought forward,	18,895	80,967
	Laid Second street, from Spruce to Pine street, 6 inch pipes,	475	
	Laid Twelfth street, from Chesnut to High street, 6 do.	500	
	Laid connexions at South and Front streets, with Southwark, - - - 8 do.	45	
	Laid Fifth street, from Vine to High street, 10 do.	2,178	
	Laid Fifth street, from Chesnut to South street, 10 do.	2,650	
	Laid South street, from Third to Fifth street, 10 do.	876	
	Laid Spruce street, from Front to Fifth street, 10 do.	1,877	
			27,496
	<i>Pipes laid in 1827, viz.</i>		
1827.	Laid Cedar street, from Fifth to Sixth street, 12 inch pipes,	518	
	Laid Spruce street, from Fifth to Sixth street, 10 do.	450	
	Laid Eighth street, from High to Mulberry street, 10 do.	663	
	Laid Third street, from Vine to Mulberry street, 6 do.	1,300	
	Laid Third street, from High to Chesnut street, 6 do.	481	
	Laid Vine street, connexions with Northern Liberties, - - - 8 do.	30	
	Laid Pine street, from Fifth to Sixth street, 6 do.	453	
	Laid Cedar street, from Front to Water street, 6 do.	305	
	Laid Lombard street, from Fifth to Sixth street, 6 do.	460	
	Laid Sixth street, from Walnut to Cedar street, 6 do.	2,050	
	Laid Third and Cedar streets, connexions with Southwark, - - - 6 do.	50	
	Laid Pine street, from Eighth to Perry street, 6 do.	2,007	
	Laid Twelfth street, from Spruce to Cedar street, 6 do.	1,166	
	Laid Sixth street, from Mulberry to Vine street, 6 do.	1,300	
	Laid Sassafras street, from Fifth to Sixth street, 6 do.	446	
	Laid Sassafras street, from Sixth to Seventh street, 6 do.	446	
	Laid Seventh street, from Race to Arch street, 6 do.	641	
	Laid Pine street, from Perry to Broad street, 6 do.	776	
	Laid George and Cedar streets, connexions with Southwark, - - - 6 do.	50	
	Laid Locust street, from Seventh to Eighth street, 6 do.	275	
	Laid Seventh street, from Locust to Spruce street, 6 do.	254	
	Laid Seventh street, from High to Mulberry street, 6 do.	663	
	Laid Prune street, from Fourth to Sixth street, 4 do.	867	
	Laid Cherry street, from Fifth to Sixth street, 4 do.	446	
	Laid Franklin court, from Chesnut st. northward, 4 do.	343	
	Laid State House yard, and 4 fire plugs, - 4 do.	513	
	Laid Locust street, from Sixth to Seventh street, and around to Walnut street, - - 4 do.	1,107	
	Laid sundry connexions, of - - 3 and 4 do.	800	
	Laid Crown street, from Sassafras to Vine street, 3 do.	633	
	Laid Branch street, from Third to Fourth street, 3 do.	421	
	Laid Apple Tree alley, from Fourth to Fifth street, 3 do.	396	
	Laid Little Water street, and Lombard alley, to Penn street, - - - 3 do.	470	
	Laid connexions of Water street with Southwark, 3 do.	64	
	Laid Penn street, from Cedar to Pine street, 3 do.	690	
	Laid Pine street, from Penn towards Front street, 3 do.	120	
	Laid Water street, from Pine to Spruce street, and Spruce to Front street, - - 3 do.	582	
	Laid connexions of plugs, &c. - - 3 do.	100	
	Laid Hurst street, from Cedar to Lombard street, 3 do.	369	
	Laid James street, or Mulberry court, from Seventh street eastward, - - 3 do.	300	
	Laid Powell street, from Fifth to Sixth street, 3 do.	446	
	Amounts carried forward,	23,451	108,463

		<i>Feet.</i>	<i>Feet.</i>
1827.	Amounts brought forward,	23,451	108,463
	Laid Clever alley, from Fifth to Sixth street, 3 inch pipes,	446	
	Laid Sixth street, below Walnut, to plug in public square, - - - - - 3 do.	171	
	Laid Bank alley, and Elbow lane, - - - - - 3 do.	580	
	Laid Strawberry street, from High to Chesnut, 3 do.	481	
	Laid Lætitia court, and Black Horse alley, 3 do.	622	
	Laid Taylor's alley, from Second street eastward, 3 do.	296	
	Laid Norris's alley, from Front to Second street, 3 do.	396	
	Laid Gray's alley, from Front to Second street, 3 do.	396	
	Laid Budd and Truxton streets, - - - - - 3 do.	273	
	Laid Ohio street, from Twelfth street eastward, 3 do.	151	
	Laid Cresson's alley, and Hoffman's alley, between Fifth and Sixth streets, - - - - - 3 do.	542	
	Laid Nicholson's alley, and part of Malt alley, between Sixth and Seventh streets, - - - - - 3 do.	336	
	Laid Sassafras alley, between Race and Vine streets, and between Fifth and Sixth streets, 3 do.	300	
	Laid Bryan's alley, ditto, - - - - - 3 do.	416	
	Laid North alley, between Fifth and Sixth streets, 3 do.	396	
	Laid South alley, ditto, - - - - - 3 do.	396	
	Laid Minor street, ditto, - - - - - 3 do.	396	
	Laid Greenleaf court, from Fourth street, near High street, - - - - - 3 do.	200	
	Laid Juniper street, from Chesnut to High street, and part of Davidson's alley, - - - - - 3 do.	583	
	Laid part of Hartung's alley, and Church alley, 3 do.	692	
	Laid Carter's alley, from Second to Third street, 3 do.	396	
	Laid Smith's alley, connected to ditto, - - - - - 3 do.	186	
	Laid Goforth alley, from Dock street to Carter's alley, - - - - - 3 do.	244	
	Laid Dock street, from Second to Third street, north side, - - - - - 3 do.	680	
	Laid Harmony court, from Third to Fourth street, 3 do.	396	
	Laid part of Whalebone alley, from Harmony street, - - - - - 3 do.	130	
	Laid Water street, from Vine street to the Draw-bridge, - - - - - 3 do.	4,219	
	Laid State House yard, extended for a fire plug, 3 do.	317	
	Laid Good Water alley, from Seventh to Eighth street, - - - - - 3 do.	275	
	Laid Washington Square, for fire plug, - - - - - 3 do.	150	
	Laid Sugar alley, from Sixth to Seventh street, 3 do.	421	
	Laid Morgan street, from Ninth to Tenth street, 3 do.	396	
	Laid Sergeant street, from Ninth to Tenth street, 3 do.	396	
	Laid attachments to plugs, branches, &c. 3, 4, and 6 do.	800	
	Laid Whalebone alley, in part, from Chesnut street, 2 do.	198	
	Laid Harris's court, running from Lætitia court, 2 do.	100	
	Laid Broad street, from Chesnut street northward, 6 do.	140	
	Add, Laid south of Locust street, from Twelfth to Dean street, - - - - - 3 do.	80	
			41,044
	<i>Pipes laid in 1828, viz.</i>		
1828.	Laid Cedar street, from Sixth to Eighth street, 12 inch pipes,	800	
	Laid Eighth street, from Vine to Arch street, and from Chesnut to Cedar street, - - - - - 10 do.	4,840	
	Laid Spruce street, from Sixth to Eighth street, 10 do.	870	
	Amounts carried forward,	6,510	149,507

		<i>Feet.</i>	<i>Feet.</i>
1828.	Amounts brought forward,	6,510	149,507
	Laid Mulberry street, from Twelfth to Broad street, - - - - - 10 inch pipes,	950	
	Laid Cherry street, from Sixth to Eighth street, 6 do.	867	
	Laid Sassafras street, from Seventh to Eighth street, - - - - - 6 do.	422	
	Laid Centre Square, in High street, westward, 6 do.	307	
	Laid Centre Square, southward, in Broad, to near Chesnut street, - - - - - 6 do.	475	
	Laid Centre Square, northward, in Broad, from High to Mulberry street, - - - - - 6 do.	722	
	Laid Seventh street, from Chesnut to Walnut street, 6 do.	520	
	Laid Seventh street, from Spruce to Cedar street, 6 do.	1,242	
	Laid Pine street, from Sixth to Eighth street, 6 do.	867	
	Laid Lombard street, from Sixth to Eighth street, 6 do.	867	
	Laid Locust street, from Twelfth to Thirteenth street, - - - - - 6 do.	396	
	Laid Filbert street, from Twelfth to Thirteenth street, and Thirteenth, across Market street, 6 do.	796	
	Laid Broad street, south, from above Chesnut street, to fire plug, - - - - - 6 do.	220	
	Laid connexions with Southwark, at Fourth and Cedar streets, - - - - - 6 do.	36	
	Laid Lodge alley in part, from Eighth street eastward, - - - - - 3 do.	330	
	Laid Carpenter and Decatur streets, - - - - - 3 do.	646	
	Laid Portland alley, from Sixth to Seventh street, 3 do.	422	
	Laid George street, from Sixth to Seventh street, and Swanwick's alley, - - - - - 3 do.	672	
	Laid Sansom street, from Seventh to Eighth street, 3 do.	422	
	Laid alley between Sansom and Chesnut streets, between Seventh and Eighth streets, - - - - - 3 do.	422	
	Laid Bonsall's street, from Ninth to Tenth street, 3 do.	396	
	Laid Orange street, from Seventh to Eighth street, 3 do.	422	
	Laid alley, from Orange to Locust street, between Seventh and Eighth streets, - - - - - 3 do.	250	
	Laid Elizabeth street, from Sixth to Seventh street, - - - - - 3 do.	422	
	Laid Middle alley, from Sixth to Seventh street, 3 do.	422	
	Laid Little Pine street, from Seventh to Eighth street, - - - - - 3 do.	422	
	Laid part of Dean street, south of Locust street, 3 do.	124	
	Laid Centre street, from Twelfth to Thirteenth street, - - - - - 3 do.	396	
	Laid Budden's alley and Jacoby street, - - - - - 3 do.	546	
	Laid 40 fire plugs and sundry connexions, 3, 4, & 6 do.	800	
	Laid Sheaff's street, from Twelfth street westward, - - - - - 3 do.	117	
	Laid Ann street, from Twelfth to Thirteenth street, 3 do.	420	
	Laid for hydrant pump, back of Ann street, for Michael Fox, - - - - - 2 do.	60	
	Laid Graff's alley, below Vine street, - - - - - 3 do.	377	
			23,285
	<i>Pipes laid in 1829, viz.</i>		
1829.	Laid 20 inch iron main, from the Reservoir to Callowhill street, up Callowhill to Schuylkill Eighth street, down Eighth street to Chesnut street, - - - - - 20 inch pipes,	9,216	
	Amounts carried forward,	9,216	172,792

1829.	Amounts brought forward,	Feet.	Feet.
		9,216	172,792
	Laid connexions in Chesnut street, between Broad and Schuylkill Eighth streets, with 2 mains of 16 inches, which connect with the new 20 inch main at Schuylkill Eighth street, and the old main at Broad and Chesnut streets, - 16 inch pipes,	936	
	Together,	10,152	
	Laid South, below Fifth street, connexions with Southwark, - - - - - 10 do.	38	
	Laid Race street, from Broad to Twelfth street, 8 do.	1,440	
	Laid connexions with Twelfth street, - 6 do.	108	
	Laid Thirteenth street, from Filbert to Cherry street, - - - - - 6 do.	692	
	Laid Broad street, from Chesnut to George street, west side, - - - - - 6 do.	324	
	Laid George street, from Broad to Schuylkill Fifth street, - - - - - 4 do.	1,734	
	Laid connexions of fire plugs, &c., - 4 do.	149	
	Laid Sheaff's street, from Thirteenth street eastward, - - - - - 3 do.	310	
	Laid connexions with Budden's alley and Thirteenth street, &c., - - - - - 3 do.	287	
	Laid Lambert street, from Thirteenth to Juniper street, - - - - - 3 do.	287	
	Laid Perry street and Norman's alley, - 3 do.	413	
	Laid alley below Race street, from Twelfth to Jacoby street, - - - - - 3 do.	215	
	Laid Lyndall's alley, from Thirteenth street eastward, - - - - - 3 do.	128	
	Laid Budd street, below Spruce, westward of Thirteenth street, - - - - - 3 do.	150	
	Laid Graff's alley, back of Eleventh, below Vine street, - - - - - 3 do.	27	
	Laid Barley street, from Tenth to Eleventh street, 3 do.	414	
			16,868
	<i>Pipes laid in 1830, viz.</i>		
1830.	Laid Vine street, between Broad and Schuylkill Eighth street, to connect the two mains, 16 inch pipes,	400	
	Laid Schuylkill Sixth street, from Chesnut street northward, - - - - - 6 do.	360	
	Laid Lyndall's alley, from Schuylkill Sixth street eastward, - - - - - 3 do.	225	
	Laid Perry street, from Pine to Lombard street, 3 do.	306	
	Laid two fire plugs in High above Front street, 4 do.	18	
	Laid Juniper street, from High to Mulberry street, 3 do.	722	
	Laid Filbert street, from Thirteenth to Juniper street, - - - - - 6 do.	289	
	Laid Cherry street, from Tenth to Eleventh street, 6 do.	421	
	Laid alley north side of Cherry street, between Tenth and Eleventh streets, - - - 3 do.	127	
	Laid Pine street, above Thirteenth street, connexions with Adams street, - - - 6 do.	54	
	Laid connexions of fire plugs, &c. - 4 do.	190	
	Laid Vine and Thirteenth streets, connexions with Spring Garden, - - - - - 6 do.	30	
	Laid Schuylkill Seventh street, north from Chesnut street, and connected to Lyndall's alley, 6 do.	201	
	Amounts carried forward,	3,343	189,660

		<i>Feet.</i>	<i>Feet.</i>
1830.	Amounts brought forward,	3,343	189,660
	Laid Lyndall's alley, from Schuylkill Seventh street westward, - - - - - 3 inch pipes,	234	
	Laid Montgomery street, from Twelfth to Thirteenth street, - - - - - 3 do.	446	
	Laid Mifflin street, from Thirteenth to Perry street, 3 do.	198	
	Laid Twelfth street, north and south of Arch street, - - - - - 6 do.	100	
	Laid west side of Broad street, north of Chesnut street, - - - - - 6 do.	216	
	Laid Zane street, between Seventh and Eighth streets, - - - - - 4 do.	396	
	Laid an alley running south, connected to ditto, 3 do.	225	
	Laid Eleventh street, from Vine to Chesnut street, 10 do.	2,611	
	Laid Tenth street, from Vine to Spruce street, 6 do.	4,042	
	Laid Ninth street, from Vine to Spruce street, 6 do.	4,042	
	Laid Race street, from Eighth to Eleventh street, 6 do.	1,338	
	Laid Cherry street, from Eighth to Tenth street, 6 do.	892	
	Laid Mulberry street, from Eighth to Twelfth street, - - - - - 10 do.	1,784	
	Laid Filbert street, from Eighth to Eleventh street, 6 do.	1,338	
	Laid Mechanic street, from near Race to Vine street, - - - - - 3 do.	557	
	Laid Chester street, from Race to Vine street, 4 do.	657	
	Laid Maple, James, and Lemon streets, - - - 3 do.	1,000	
	Laid North street, from Tenth to Eleventh street, 3 do.	446	
	Laid Raspberry lane, from Race to Cherry street, 3 do.	358	
	Laid alley above Arch street, between Tenth and Eleventh streets, - - - - - 3 do.	446	
	Laid alley in Eleventh street, below Arch street, 3 do.	290	
	Laid Hunter street, in Eleventh above High street, 3 do.	300	
	Laid Liberty court, Ninth above High street, 3 do.	234	
	Laid Orleans street, from Lombard to Mifflin street, - - - - - 3 do.	180	
	Laid connexions to fire plugs, &c. - - - 4 do.	640	
	Laid Fayette street, from Arch to Filbert street, 3 do.	362	
			26,675
	<i>Pipes laid in 1831, viz.</i>		
1831.	Laid Eleventh street, from Chesnut to Spruce street, - - - - - 10 inch pipes,	1,430	
	Laid Spruce street, from Eighth to Eleventh street, - - - - - 12 do.	1,340	
	Laid George street, from Eighth to Eleventh street, - - - - - 6 do.	1,340	
	Laid Walnut street, from Eighth to Eleventh street, - - - - - 6 do.	1,340	
	Laid Locust street, from Eighth to Eleventh street, - - - - - 6 do.	1,340	
	Laid Juniper street, and Juniper alley, from Walnut to George street, between Tenth and Eleventh streets, - - - - - 3 do.	590	
	Laid Currant alley, from Walnut to Spruce street, 3 do.	823	
	Laid Bird's alley, from Locust to Spruce street, 3 do.	450	
	Laid Watson's alley, and Pryor's court, - - - 3 do.	790	
	Laid Raspberry alley, from Walnut to Spruce street, - - - - - 3 do.	823	
	Laid Acorn alley, from Locust street southward, 3 do.	303	
	Amounts carried forward,	10,569	216,335

		<i>Feet.</i>	<i>Feet.</i>
1831.	Amounts brought forward,	10,569	216,335
	Laid Blackberry alley, from Walnut to Spruce street, - - - - - 3 inch pipes,	823	
	Laid connexions of fire plugs, &c. 3, 4, and 6 do.	350	
	The above was left unfinished of contract of 1830,	11,742	
	<i>Incidental work for 1831, viz.</i>		
	Laid Budden's alley, from Thirteenth to Juniper street, - - - - - 3 inch pipes,	300	
	Laid Hunter street, above High street, from Tenth street west, - - - - - 3 do.	220	
	Laid Schuylkill Seventh street, from Chesnut to south of George street, - - - - - 6 do.	365	
	Laid Leiper street, from Thirteenth below High street, around to Clover street, - - - - - 3 do.	393	
	Laid Olive street, from Broad street westward, - - - - - 3 do.	289	
	Laid alley south of Spruce street, from Broad to near Thirteenth street, - - - - - 3 do.	458	
	Laid Locust street, from Thirteenth to Broad street, - - - - - 6 do.	553	
	Laid Juniper street, from Walnut to Spruce street, - - - - - 3 do.	870	
	Laid alley north of High street, between Thirteenth and Juniper streets, - - - - - 3 do.	280	
	Laid connexions of fire plugs, &c. - - - - - 3 do.	160	
			15,630
			231,965
	Pipes laid from October 1819, to December 31st, 1831, 231,965 feet, being nearly 44 miles.		
	There have also been laid, wooden pipes in repairs, in 1831, 1131 feet.		
	The two mains, - - - - - 19,722 feet.		
	All other pipes laid, - - - - - 212,243 feet.		
	Together, - - - - - 231,965 feet.		
	212,243 feet of various sized pipes, laid in the City, cost \$ 335,046 82, or equal to an average price per foot, of \$1 58 cents.		

No. 14.

A GENERAL VIEW of the leading particulars of the WATER WORKS, from their commencement, March 1799, to December 31, 1831.

		Dolls.	C.	Dolls.	C.	
No. 1	Cost of first Steam-Engine Works, commenced March 1799, and for the support of the same up to 1803 included,	295,352	09			
	1804 For the support of Engines, Distribution, &c., connected with the Works,	34,213	06			
	1805 Ditto,	41,168	17			
	1806 Ditto, and for the purchase of the lease of N. J. Roosevelt, amounting to \$ 15,886 00,	57,623	05			
	1807 Ditto,	26,164	93			
	1808 Ditto,	24,629	62			
	1809 Ditto,	29,467	13			
	1810 Ditto,	26,906	48			
	1811 Ditto,	29,702	26			
	1812 Ditto,	27,946	85			
	1813 Ditto,	30,359	58			
	1814 Ditto,	33,865	69			
					657,398	91
	No. 2	1815 Steam Works at Fair Mount, begun August, 1812, and started September 7, 1815,	183,289	62		
1816 For the support of the Works and payments of balances due for Works,		51,219	63			
1817 Ditto, ditto,		51,389	26			
1818 Ditto, ditto, for support of Works,		34,771	33			
				320,669	84	
No. 3	1819 For the support of Steam-Engines at Fair Mount, and on account of Water Power Works, begun April 19, 1819, for iron main, iron pipes, &c.,	119,063	68			
	1820 Ditto, ditto,	149,700	75			
	1821 Ditto, ditto,	115,746	36			
	1822 Ditto, started Water Power Works, 1st July, 1822,	106,517	82			
	1823 For working Water Power Works, building Reservoir, and for payment of debts,	69,268	54			
	1824 Ditto, and for laying iron pipes ditto,	82,208	94			
	1825 Ditto, ditto,	44,307	37			
	1826 Ditto, ditto,	73,517	40			
	1827 Ditto, ditto,	80,749	92			
	1828 Ditto, ditto,	64,150	64			
1829 Ditto, ditto,	81,180	06				
1830 Ditto, ditto,	35,660	84				
1831 Ditto, ditto,	63,009	57				
				1,085,081	89	
	Cost of the Works from March 1799, to 31st December 1831,			2,063,150	64	
No. 1	Cost with support of Engines, working ditto, and Distribution,	295,352	09			
No. 2	Ditto, Buildings, Engines, Reservoirs, &c. with working Engines, \$ 200,700 51 Add two first purchases of ground, 33,334 00	234,034	51			
No. 3	Cost of the Works, including purchase of Water Power at the Falls, \$ 432,496 89 Add purchase of additional ground, 83,500 00 And for extra Water Power, purchased of Navigation Company, 26,000 00	541,996	89			

Cost of ground purchased at Fair Mount, sum paid for damages for ground overflowed by the Dam, for extra Water Power, &c.

	Dolls.	C.	Dolls.	C.
1812 For the first ground purchased at Fair Mount, -	16,667	00		
1815 For second purchase - ditto, -	16,667	00		
1822 For the inlet to the fore-bay, ground on the margin of the river, - - - -	4,000	00		
1824 For extra ground for Reservoir No. 4, - - - -	12,000	00		
1828 For the residue of ground between Coates's street and the Upper Ferry Road, and between Fair Mount street and the Schuylkill, - - - -	67,500	00		
			116,834	00
For the purchase of the Water Power, from White and Gillingham, - - - -			150,000	00
For the purchase of the extra Water Power, from the Schuylkill Navigation Company, - - - -			26,000	00
Amount of damages paid for overflowing ground, &c. by the dam, - - - -			25,958	41
For the dam, locks, canal, fore-bay, and raising the dam 18 inches, - - - -	160,904	77		
For mill buildings, three water wheels, breast works, &c., -	78,370	43		
For pumps, Nos. 1, 2, and 3, and other fixtures, -	12,373	43		
For wheel, pump, and ascending main, No. 4, -	12,589	42		
On account, December 31, 1831, for wheel and pump, No. 5, - - - -	4,699	62		
			268,937	67
For Reservoir No. 1, containing 3,917,659 gallons, -	29,135	58		
Ditto No. 2, ditto 3,296,434 gallons, -	10,202	87		
Ditto No. 3, ditto 2,707,295 gallons, -	24,521	70		
For account of No. 4, which will contain 10,000,000 gallons when finished, - - - -	20,069	01		
			83,929	16
For iron main No. 1, - - - -	72,947	23		
Ditto No. 2, - - - -	58,670	25		
			131,617	48
For iron pipes, and materials, laid in the City, from 1820, to 31st December, 1831, - - - -			335,046	82
			1,138,323	54
Cost of the above items, - - - -			924,827	10
And for other purposes, working Engines, Distribution, Salaries, Incidentals, &c., - - - -				
Being the actual cost and expenses, including all the works, from March 1799, to 31st December, 1831, -			2,063,150	64

The 3 Reservoirs at Fair Mount were thrown in one area, they would cover a space of ground 400 feet long, 305 feet wide } or equal to near 3 acres on the surface, and - 12 feet deep. The 3 reservoirs contain together 9,921,388 gallons

Water rents for 1832 - City - - - - 43682.25
 Districts - N. Liberty 13889.75
 Spring Garden - - - - 6180.75
 Southwark - - - - 6657.00
26721.50
 Together - - - - \$70,403.75

Water taken in the City, Manufacturers & called as families 7989
 400 public hydrant pumps, allowed to supply 6 families each - 2400 say 10389 families
 Districts Spring Garden - - - 808
 Southwark - - - - 859 } equal to 13,806 families
 N. Liberty - - - - 1750 }
 The daily supply of water is 2000000 gallons, or equal to 146 gallons for each family

Abstract of the number of feet of Iron Mains and Iron Pipes, laid in the City, from the commencement, October 1819, to December 31, 1831.

				<i>Feet.</i>	<i>Feet.</i>
	Laid in 1819 and 1820, main No. 1,	-	of 22 inch pipes,	2,661	
	Ditto,	-	of 20 do.	6,909	
			Together,		9,570
1821	Laid sundry pipes in the City,	-	-	-	8,475
1822	Ditto,	-	-	-	16,035
1823	Ditto,	-	-	-	14,993
1824	Ditto,	-	-	-	20,500
1825	Ditto,	-	-	-	11,394
1826	Ditto,	-	-	-	27,496
1827	Ditto,	-	-	-	41,044
1828	Ditto,	-	-	-	23,285
1829	Laid iron main No. 2,	-	of 20 inch pipes,	9,216	
			of 16 do.	936	
					10,152
1829	Laid additional pipes in the City,	-	-	-	6,716
1830	Ditto,	-	-	-	26,675
1831	Ditto,	-	-	-	15,630
			Together,		231,965

The mains Nos. 1 and 2 required 19,722 feet, average \$ 6 63 per foot.
 Pipes laid in the City, - 212,243 do. 1 58 per foot.

Together, 231,965 feet, being nearly 44 miles.

		<i>Dolls.</i>	<i>C.</i>	<i>Dolls.</i>	<i>C.</i>
	The main No. 1, laid in 1819 & 1820, cost per foot, \$ 7 42,	72,947	23		
	Ditto, No. 2, laid in 1829 ditto, 5 78,	58,670	25		
				131,617	48
1820	The pipes laid in the City cost	16,940	79		
1821	Ditto,	11,843	11		
1822	Ditto,	33,287	08		
1823	Ditto,	25,672	60		
1824	Ditto,	38,475	75		
1825	Ditto,	25,739	09		
1826	Ditto,	49,016	70		
1827	Ditto,	44,197	24		
1828	Ditto,	39,416	75		
1829	Ditto,	3,741	09		
1830	Ditto, part of which to be paid for in 1831,	12,022	82		
1831	Ditto,	34,693	80		
				335,046	82
	Together, cost,			466,664	30

Iron pipes laid in the city - ... to Dec. 31. 1831. ... 231,965^{feet} - nearly 44 miles -
ditto laid in Spring Garden District 31,156^{feet}
do - Southwark 37,988
do - N. Liberties 55,690
Together 356,799^{feet} - 67 1/2 miles

Account of Water Rents received in the City from the year 1802 included, up to December 31, 1831.

		Dolls.	C.	Dolls.	C.
1802	Water rents received,	-	-	537	00
1803	Ditto,	-	-	961	00
1804	Ditto,	-	-	1,800	00
1805	Ditto,	-	-	3,260	00
1806	Ditto,	-	-	5,050	00
1807	Ditto,	-	-	4,987	17
1808	Ditto,	-	-	6,207	01
1809	Ditto,	-	-	9,105	00
1810	Ditto,	-	-	10,931	50
1811	Ditto,	-	-	12,163	00
1812	Ditto,	-	-	15,629	00
1813	Ditto,	-	-	16,638	00
1814	Ditto,	-	-	17,883	00
1815	Ditto,	-	-	18,499	50
1816	Ditto,	-	-	19,974	50
1817	Ditto,	-	-	19,922	00
1818	Ditto,	-	-	21,120	50
1819	Ditto,	-	-	21,998	50
1820	Ditto,	-	-	23,016	50
1821	Ditto,	-	-	24,584	50
1822	Ditto,	-	-	25,485	50
1823	Ditto,	-	-	26,191	05
1824	Ditto,	-	-	27,292	55
1825	Ditto,	-	-	29,160	50
1826	Ditto,	-	-	30,326	75
1827	Ditto,	-	-	32,521	50
1828	Ditto,	-	-	35,791	50
1829	Ditto,	-	-	37,881	50
1830	Ditto,	-	-	40,915	00
1831	Ditto,	-	-	43,682	25
	Together,			583,515	78

Statement of account of Water Rents of the City and Districts.

	Dolls.	C.
City rents from 1802, to December 31st, 1831, both included,	583,515	78
Spring Garden District, from 1826, to 31st December, 1831, both inclusive,	\$ 17,602	04
Southwark, ditto, ditto,	20,902	00
Northern Liberties, ditto, ditto,	43,309	75
	81,813	79
	665,329	57

Water Rents of the Districts.			Account of Iron Pipes laid in the Districts.		
<i>District of Spring Garden.</i>			<i>District of Spring Garden.</i>		
	<i>Dolls.</i>	<i>C.</i>		<i>Feet.</i>	<i>Fire plugs.</i>
1826 and 1827, -	916	50	1826, -	5,554	
1828, -	2,071	00	1827, -	8,448	
1829, -	3,461	54	1828, -	1,296	24
1830, -	4,972	25	1829, -	6,981	11
1831, -	6,180	75	1830, -	5,151	10
	17,602	04	1831, -	3,726	8
Contract signed for a supply of water, to old district, 26th April, 1826.				31,156	53
Ditto, 10th October, 1831, for ditto, for new district.					
<i>District of Southwark.</i>			<i>District of Southwark.</i>		
	<i>Dolls.</i>	<i>C.</i>		<i>Feet.</i>	<i>Fire plugs.</i>
1826 and 1827, -	724	75	1826, -	3,394	
1828, -	2,555	75	1827, -	12,039	
1829, -	5,019	00	1828, -	10,799	58
1830, -	5,951	50	1829, -	6,052	11
1831, -	6,651	00	1830, -	2,726	5
	20,902	00	1831, -	2,978	7
Contract signed for a supply of water, 1st June, 1826.				37,988	81
<i>District of Northern Liberties.</i>			<i>District of Northern Liberties.</i>		
	<i>Dolls.</i>	<i>C.</i>		<i>Feet.</i>	<i>Fire plugs.</i>
1826 and 1827, -	1,540	75	1826, -	3,882	
1828, -	5,751	50	1827, -	22,202	
1829, -	10,352	75	1828, -	12,239	75 - 75
1830, -	11,775	00	1829, -	9,793	19 19
1831, -	13,889	75	1830, -	6,023	15 15 should be
	43,309	75	1831, -	1,551	4 4
Contract signed for a supply of water, 6th June, 1826.				55,690	113 113 plugs should be

The Commissioners and inhabitants of the Township of Moyamensing, closed contract for a supply of Schuylkill Water, 6th January, 1832.

From the Water Rent charges to the Districts, a deduction of 6 per cent. is allowed for collection and losses.

Memorandum of various parts of the Works, &c.

1799	March,	Mr. Latrobe commenced the first Water Works, by steam power.
1812	August 1,	Commenced the steam power works at Fair Mount.
1815	Sept. 7,	Supplied the City from the steam works at Fair Mount.
1819	April 8,	Councils agreed to build the water power works at Fair Mount.
	April 19,	Commenced building the dam at Fair Mount works.
1821	April 28,	Laid the corner stone of mill buildings at Fair Mount.
	June 25,	Put in the last crib of the dam at Fair Mount.
	July 23,	The water flowed over the dam at Fair Mount.
1822	Feb. 21,	The great ice freshet, which raised 8 feet 11 inches above the combing of the dam at Fair Mount.
	July 1,	Began to supply the City with water from water wheel and pump No. 1.
	Sept. 14,	Ditto, - - - ditto, - - - No. 2.
	Oct. 25,	Stopped the steam works at Fair Mount.
	Dec. 24,	Started wheel and pump No. 3.
1827	Nov. 10,	Started wheel and pump No. 4.
1832		Started wheel and pump No. 5.

The dam at Fair Mount is 6 feet 6 inches above high tide in the Schuylkill.

The mill buildings are 238 feet front, by 56 feet deep.

The water is raised from the dam into the Reservoirs, 96 feet perpendicular height.

Pump No. 1, raises per 24 hours, into the Reservoir, when

not impeded by the tides,	-	-	-	1,313,280	gallons of water.
Pumps No. 2 and 3, ditto, ditto, each,	1,346,400,	together,	2,692,800	do.	
Pump No. 4,	-	-	-	1,615,680	do.

5,621,760 gallons.

From which deduct one-fourth for impediments by the tides and freshets,

1,405,440


Leaves the four pumps competent to supply, per 24 hours, 4,216,320 gallons.

The average quantity of water required to supply the City and Districts, per 24 hours, during the year 1831, was about 2,000,000 gallons. In the summer months, when the streets were washed by means of the fire plugs, upwards of 3,000,000 gallons of water were consumed daily.

FREDERICK GRAFF,

Superintendent of the Water Works.

Dec 31. 1831



No. 15.

Cash paid City Treasurer for the year 1831.

	Dolls.	C.
By Register, as per account No. 22, - - - - -	27,994	71
By Superintendent, as per account No. 22, <i>for the articles sold</i> - - - - -	1,072	10
By Armon Davis, Collector, \$ 19,133 84 } as per account No. 22, - - - - -	37,699	91
By Robert Rice, Collector, 18,566 07 } - - - - -		
Making, - - - - -	66,766	72

1072 10
 65,694 62

Cash paid to City Treasurer, and placed by him to the Credit of the year 1832.

	Dolls.	C.
By Register, - - - - -	279	50

No. 16.

STATEMENT,

Showing the Settlement of the Duplicates of Water Rents for the year 1831.

	Dolls.	C.	Dolls.	C.
Amount of duplicates of Water Rents, January 1st, 1831, - - - - -	40,915	00		
Add discoveries made by Messrs. Rice and Davis, in 1831, - - - - -	303	00		
			41,218	00
From which deduct,				
Collectors' Commissions, - - - - -	1,222	09		
Amount ordered to be sued for, - - - - -	279	50		
Amount of allowances, - - - - -	298	25		
			1,799	84
Amount paid into the Treasury, - - - - -			39,418	16
Of which was received, by Register, in 1830, - - - - -	350	00		
Received by Collectors, in 1831, - - - - -	37,699	91		
Received by Register, in 1831, - - - - -	1,368	25		
			39,418	16

No. 17.

STATEMENT,

Accounting for the amount of Water Rents returned as unpaid, for the year 1831, by Messrs. Rice and Davis, Collectors, and allowed to them in the settlement of the above-mentioned Duplicates.

	<i>Dolls.</i>	<i>C.</i>	<i>Dolls.</i>	<i>C.</i>
Amount allowed Robert Rice, returned unpaid, - -	1,562	50		
Amount allowed Armon Davis, returned unpaid, - -	383	50		
Accounted for, viz:—			1,946	00
Received and paid into the Treasury by Register, - -	1,368	25		
Allowed by Committee to different individuals, - -	298	25		
Amount ordered to be sued for, - - - -	279	50		
			1,946	00

No. 18.

STATEMENT,

Showing the Settlement of the Duplicates of Water Rents charged to the Board of Commissioners of the District of the Northern Liberties, for the year 1831.

	<i>Dolls.</i>	<i>C.</i>	<i>Dolls.</i>	<i>C.</i>
Amount of duplicates, - - - - -	11,767	50		
Deduct six per cent., commissions, - - - - -	706	05		
			11,061	45
Amount received, and paid by Register into the Treasury, -			11,061	45

No. 19.

STATEMENT,

Showing the Settlement of the Duplicates of Water Rents charged to the Board of Commissioners of the District of Spring Garden, for the year 1831.

	<i>Dolls.</i>	<i>C.</i>	<i>Dolls.</i>	<i>C.</i>
Amount of duplicates, - - - - -	4,972	25		
Deduct six per cent., commissions on \$ 4,886 75, - - -	293	20		
			4,679	05
Amount received, and paid by Register into the Treasury, -	4,593	55		
Amount relinquished by the Commissioners, - - -	85	50		
			4,679	05

No. 20.

STATEMENT,

Showing the Settlement of the Duplicates of Water Rents charged to the Board of Commissioners of the District of Southwark, for the year 1831.

	Dolls.	C.	Dolls.	C.
Amount of duplicates, - - - - -	5,951	50		
Deduct six per cent. commissions, - - - - -	357	09		
			5,594	41
Amount received and paid by Register into the Treasury, -			5,594	41

No. 21.

Amount of the City Duplicates of Water Rents, for the year 1832.

	Dolls.	C.	Dolls.	C.
<i>Northern District.</i>				
Upper Delaware and North Mulberry Wards, - - - - -	6,559	50		
Lower Delaware and South Mulberry Wards, - - - - -	6,170	00		
High Street and North Wards, - - - - -	6,600	50		
Chesnut Ward, - - - - -	2,650	00		
Amount of Northern District,			21,980	00
<i>Southern District.</i>				
Middle Ward, - - - - -	2,112	00		
Walnut and South Wards, - - - - -	5,417	50		
Dock and Locust Wards, - - - - -	5,879	50		
Pine, New-Market, and Cedar Wards, - - - - -	7,796	75		
Amount of Southern District,			21,205	75
Received on account of the above duplicates—				
By Register, in June and July last, - - - - -			224	50
For permits issued in November and December, - - - - -			272	00
			43,682	25

No. 22.

STATEMENT,

Showing the amount of cash received for the year 1831, and as paid into the Treasury by the Register, the Superintendent, and the Collectors of Water Rents.

	Dolls.	C.	Dolls.	C.
Amount received and paid into the Treasury, by the Register, to wit:				
For 672 permits, at 25 cents,	-	-	168	00
For repaving,	-	-	497	75
For ferrules,	-	-	473	00
For City water rents, fractional part of 1831,	-	-	1,558	30
For water rents, as per account No. 16,	-	-	350	00
For water rents, as per account No. 16,	-	-	1,368	25
For rent of Chesnut street wharf, on Schuylkill, and interest, gained in suit by City Solicitor from Daniel J. Rhoads,	-	-	299	83
For duplicates of 1829,	-	-	47	00
Making the sum of,				
For water rents from Northern Liberties, as per account No. 26,			993	17
For water rents from Northern Liberties, as per account No. 18,			11,061	45
				4,762 13
For water rents from Southwark, as per account No. 24,			354	26
For water rents from Southwark, as per account No. 20,			5,594	41
				12,054 62
For water rents from Spring Garden, as per account No. 25,			635	74
For water rents from Spring Garden, as per account No. 19,			4,593	55
				5,948 67
				5,229 29
The amount of cash paid into the City Treasury for the year 1831, by the Register, is				27,994 71
The amount of cash paid into the Treasury by the Superintendent, for the sale of old materials, for the year 1831, as per his account No. 11, is				1,072 10
Amount of cash paid into the Treasury, by the Collectors of water rents, for the year 1831, as per account No. 16, is				37,699 91
Amount of cash paid into the Treasury, is				66,766 72

No. 23.

Amount of the Duplicates of Water Rents of the City and Districts,
for the year 1832.

Accounts,	Dolls.	C.	Dolls.	C.
No. 33, City, - - - - -	22,289	00		
No. 32, City, - - - - -	21,393	25		
			43,682	25
No. 31, Northern Liberties, - - - - -	13,889	75		
No. 29, Spring Garden, - - - - -	6,180	75		
No. 30, Southwark, - - - - -	6,651	00		
			26,721	50
			70,403	75

No. 24.

AMOUNT OF WATER RENTS,

Received by the Register, from the Incorporated District of Southwark, on countersigning Permits, from the 1st of December, 1830, to 1st of December, 1831.

	Dolls.	C.
Water rents, for the year 1831, - - - - -	354	26

No. 25.

AMOUNT OF WATER RENTS,

Received by the Register, from the Incorporated District of Spring Garden, on countersigning Permits, from the 1st of December, 1830, to the 1st of December, 1831.

	Dolls.	C.
Water rents, for the year 1831, - - - - -	635	74

No. 26.

AMOUNT OF WATER RENTS,

Received by the Register, from the Incorporated District of the Northern Liberties, on countersigning Permits, from the 1st of December, 1830, to the 1st of December, 1831.

	Dolls.	C.
Water rents, for the year 1831, - - - - -	993	17

No. 27.

STATEMENT,

Showing the amount taken from the Duplicates of Water Rents of the City and Districts, for the year 1832.

	Dolls.	C.
City—		
Amount declined, reduced, and allowed, - - - - -	1,151	25
Districts—		
Northern Liberties, Southwark, and Spring Garden—		
Amount declined, - - - - -	162	25
Making, - - - - -	1,313	50

It will be perceived, that the aforesaid deduction decreases the amount of increase by permits issued during the year 1831, for the year 1832, to that amount.

No. 28.

STATEMENT,

Showing the increase of Water Rents in the City and Districts, for the year 1832.

	Dolls.	C.	Dolls.	C.
Amount of increase, viz:—				
Spring Garden, - - - - -	1,208	50		
Southwark, - - - - -	699	50		
Northern Liberties, - - - - -	2,114	75		
City, - - - - -			4,022	75
			2,767	25
Amount of increase, - - - - -			6,790	00

No. 29.

An Account, showing the amount of Water Rents due the City, by the Incorporated District of Spring Garden, for the year 1832, with an account of the number of Dwellings, &c., supplied with the Schuylkill Water, to the 31st of December, 1831.

	Dolls.	C.	Dolls.	C.
4 Horses, - - - - -	at	1 50		6 00
1 Horse, &c., - - - - -		3 00		3 00
21 Tenements, - - - - -		3 75		78 75
58 Baths, - - - - -		4 50		261 00
1 Porter cellar, - - - - -		5 25		5 25
21 Dwellings, - - - - -		6 00		126 00
676 Dwellings, &c., - - - - -		7 50		5,070 00
1 Slaughter-house, &c., - - - - -		10 50		10 50
4 Dwellings, &c., - - - - -		11 25		45 00
5 Dwellings, &c., - - - - -		12 00		60 00
4 Factories, Soap, &c., - - - - -		15 00		60 00
2 Taverns, &c., - - - - -		22 50		45 00
1 Dwelling, &c., - - - - -		24 00		24 00
2 Factories, &c., - - - - -		30 00		60 00
1 Court, &c., - - - - -		48 50		48 50
2 Courts, - - - - -		37 50		75 00
1 Steam mill, - - - - -		40 00		40 00
1 Tannery, - - - - -		57 00		57 00
1 Dwelling, &c., - - - - -		75 00		75 00
1 Steam mill, - - - - -		30 75		30 75
				6,180 75

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No. 30.

An Account, showing the amount of Water Rents due the City, by the Incorporated District of Southwark, for the year 1832, with an account of the number of Dwellings, &c., supplied with the Schuylkill water, to the 31st of December, 1831.

	<i>Dolls.</i>	<i>C.</i>	<i>Dolls.</i>	<i>C.</i>
1 Horse, - - - - -	<i>at</i>	1 50		1 50
3 Bake houses, &c., - - - - -		3 00		9 00
40 Tavern and licensed houses, - - - - -		3 75		150 00
16 Baths, - - - - -		4 50		72 00
1 Commissioners Hall, - - - - -		5 00		5 00
12 Dwellings with cisterns, - - - - -		6 00		72 00
747 Dwellings, - - - - -		7 50		5,602 50
1 Dwelling, &c., - - - - -		9 00		9 00
1 School-house, &c., - - - - -		10 00		10 00
13 Dwellings, &c., - - - - -		11 25		146 25
3 Hatteries, &c., - - - - -		12 00		36 00
1 Dwelling, tavern, &c., - - - - -		12 75		12 75
8 Hatteries, &c., - - - - -		15 00		120 00
1 Soap factory, - - - - -		18 00		18 00
1 Steam engine, - - - - -		20 00		20 00
3 Sugar refineries, &c., - - - - -		22 50		67 50
1 Livery stable, - - - - -		25 00		25 00
1 Distillery, - - - - -		27 00		27 00
1 Court, &c., - - - - -		30 00		30 00
1 Court, - - - - -		37 50		37 50
1 Brewery, - - - - -		45 00		45 00
1 Brewery, - - - - -		60 00		60 00
1 Navy yard, - - - - -		75 00		75 00
				<u>6,651 00</u>

No. 31.

An Account, showing the amount of Water Rents due the City, by the Incorporated District of the Northern Liberties, for the year 1832, also the number of Dwellings, &c., supplied therein, with the Schuylkill water, to the 31st of December, 1831.

	Dolls.	C.	Dolls.	C.
7 Horses, - - - - -	at	1 50		10 50
14 Wash pavements, &c., - - - - -		3 00		42 00
68 Tenements, &c., - - - - -		3 75		255 00
83 Baths, - - - - -		4 50		373 50
2 Stand for horses, &c., - - - - -		5 00		10 00
72 Dwellings, &c., - - - - -		6 00		432 00
1360 Dwellings, &c., - - - - -		7 50		10,200 00
1 Stable, - - - - -		8 00		8 00
5 Dwellings, &c., - - - - -		9 00		45 00
5 Factories, &c., - - - - -		10 00		50 00
28 Dwellings, &c., - - - - -		11 25		315 00
20 Curriers, hatters, &c., - - - - -		12 00		240 00
31 Curriers, morocco factories, &c., - - - - -		15 00		465 00
1 Court, - - - - -		18 00		18 00
6 Taverns with stables, - - - - -		18 75		112 50
1 Brewery, &c., - - - - -		19 50		19 50
2 Soap factories, &c., - - - - -		20 00		40 00
2 Taverns with stables, - - - - -		21 00		42 00
15 Taverns with stables, - - - - -		22 50		337 50
5 Morocco factories, &c., - - - - -		25 00		125 00
9 Soap factories, - - - - -		30 00		270 00
1 Brewery, - - - - -		33 00		33 00
6 Stables with taverns, - - - - -		33 75		202 50
1 Morocco factory, - - - - -		37 50		37 50
2 Tanneries, - - - - -		52 50		105 00
1 Brewery, - - - - -		75 00		75 00
1 Dwelling, &c., - - - - -		12 75		12 75
1 Stable, - - - - -		13 50		13 50
				13,889 75

No. 32.

Dwellings, Manufactories, and Institutions, supplied with the Schuylkill Water, in the Southern District of the City, to the 31st of December, 1831.

	<i>Dolls.</i>	<i>C.</i>	<i>Dolls.</i>	<i>C.</i>
14 Horses, &c., - - - - -	<i>at</i>	1 00		14 00
38 Wash pavements, &c., - - - - -		2 00		76 00
39 Tenements, &c., - - - - -		2 50		97 50
542 Baths, - - - - -		3 00		1,626 00
1 Tavern, - - - - -		3 75		3 75
6 Stables, &c., - - - - -		4 00		24 00
3055 Dwellings, &c., - - - - -		5 00		15,275 00
6 Dwellings, &c., - - - - -		6 00		36 00
115 Dwellings in the county, &c., &c., - - - - -		7 50		862 50
91 Hatteries, &c., - - - - -		8 00		728 00
5 Dwellings, &c., - - - - -		9 00		45 00
55 Dyers, &c., - - - - -		10 00		550 00
2 Dwellings, &c., - - - - -		11 25		22 50
2 Soap boilers, &c., - - - - -		12 00		24 00
3 Dwellings, &c., - - - - -		12 50		37 50
15 Distilleries, &c., - - - - -		15 00		225 00
3 Hatteries, &c., - - - - -		16 00		48 00
1 Court, - - - - -		18 00		18 00
9 Taverns, - - - - -		20 00		180 00
1 Court, - - - - -		22 50		22 50
6 Sugar houses, &c., - - - - -		25 00		150 00
1 Steam-engine, - - - - -		27 50		27 50
4 Stables, &c., - - - - -		30 00		120 00
2 Mansion houses, &c., - - - - -		34 00		68 00
1 Morocco factory, - - - - -		35 00		35 00
1 Steam-engine, - - - - -		36 00		36 00
3 Baths, &c., - - - - -		40 00		120 00
1 Marble yard, &c., - - - - -		11 00		11 00
3 Hospitals, &c., - - - - -		50 00		150 00
2 Manufactories, &c., - - - - -		75 00		150 00
1 Deaf and Dumb Institution, - - - - -		60 00		60 00
1 Alms house, - - - - -		100 00		100 00
1 Bath house, - - - - -		400 00		400 00
1 Court, &c., - - - - -		33 00		33 00
1 Bath, - - - - -		4 50		4 50
1 Dwelling, &c., - - - - -		13 00		13 00
				21,393 25

No. 33.

Dwellings, Manufactories, and Institutions, supplied with the Schuylkill Water, in the Northern District of the City, to the 31st of December, 1831.

	Dolls.	C.	Dolls.	C.
20 Horses, - - - - -	at	1 00		20 00
27 Wash pavements, &c., - - - - -		2 00		54 00
63 Tenements, &c., - - - - -		2 50		157 50
450 Baths, - - - - -		3 00		1,350 00
2 Taverns, - - - - -		3 75		7 50
1 Tavern, &c., - - - - -		13 00		13 00
24 Baths, - - - - -		4 50		108 00
2904 Dwellings, - - - - -		5 00		14,520 00
3 Dwellings, &c., - - - - -		6 00		18 00
2 Dwellings, &c., - - - - -		6 50		13 00
181 Dwellings, &c., - - - - -		7 50		1,357 50
82 Printing offices, &c., &c., - - - - -		8 00		656 00
9 Dwellings, &c., - - - - -		9 00		81 00
65 Dyers, &c., - - - - -		10 00		650 00
12 Soap boilers, - - - - -		12 00		144 00
5 Dwellings, &c., - - - - -		12 50		62 50
35 Distilleries, &c., - - - - -		15 00		525 00
4 Hatteries, &c., - - - - -		16 00		64 00
1 Stable, - - - - -		17 00		17 00
1 Court, &c., - - - - -		17 50		17 50
2 Taverns, &c., - - - - -		18 00		36 00
20 Courts, &c., - - - - -		20 00		400 00
11 Sugar houses, &c., &c., - - - - -		25 00		275 00
1 Tavern, &c., - - - - -		29 50		29 50
8 Stables, &c., - - - - -		30 00		240 00
1 Court, - - - - -		33 00		33 00
5 Baths, &c., &c., - - - - -		40 00		200 00
2 Courts, &c., making, - - - - -		73 50		73 50
1 Brewery, &c., &c., - - - - -		44 00		44 00
2 Courts, &c., &c., - - - - -		45 00		90 00
3 Stables, &c., - - - - -		50 00		150 00
2 Breweries, - - - - -		75 00		150 00
1 Manufactory, - - - - -		112 50		112 50
1 Bath, - - - - -		80 00		80 00
1 Distillery, - - - - -		100 00		100 00
1 Sugar house, - - - - -		335 00		335 00
3 Morocco factories, - - - - -		35 00		105 00
				22,289 00

No. 34.

STATEMENT,

Showing the quantity of Iron Pipes laid, and the number of Fire Plugs erected in the District of the Northern Liberties, during the years 1826, 1827, 1828, 1829, 1830, and 1831.

IRON PIPES LAID IN 1831.

		<i>Feet.</i>	<i>In</i>	<i>Feet.</i>	<i>In</i>
6 inch diameter,	In Green street, between Front and Oak streets,	229	11		
6 do.	In Fourth st., between Poplar lane and George street,	840	8		
6 do.	In George street, between Third and Fourth streets,	441	2		
4 do.	For fire plugs,	39			
				1,550	9

FIRE PLUGS ERECTED IN 1831.

- No.
 110 North-west corner of Green and Oak streets.
 111 Corner of Fourth and Culvert streets.
 112 South-west corner of Fourth and Green streets.
 113 North-west corner of George and Burge streets.

IRON PIPES laid in the NORTHERN LIBERTIES.

	<i>Feet.</i>	<i>In</i>	<i>Feet.</i>	<i>In</i>
Number of feet laid during the years 1826, 1827, 1828, 1829, and 1830,	54,139	9		
Number of feet laid during the year 1831,	1,550	9		
Total,			55,690	6

FIRE PLUGS erected in the NORTHERN LIBERTIES.

The number erected during the years 1826, 1827, 1828, 1829, 1830, and 1831, is - 113

No. 35.

STATEMENT,

Showing the quantity of Iron Pipes laid, and the number of Fire Plugs erected in the District of Southwark, during the years 1826, 1827, 1828, 1829, 1830, and 1831.

IRON PIPES LAID IN 1831.

		<i>Feet.</i>	<i>In</i>	<i>Feet.</i>	<i>In</i>
6 inch diameter,	From Christian to Carpenter street, -	490	4		
6 do.	Fifth street, from Carpenter to Federal street,	972			
3 do.	Sutherland street, from Queen to Christian street,	367	9		
6 do.	Carpenter street, from Third to Fourth street,	429	7		
3 do.	Atherton street, from Carpenter to Marriott's lane,	257	3		
3 do.	China street, from Front to Second street, -	461			
				2,977	11

FIRE PLUGS ERECTED IN 1831.

No.

- 75 In Fifth street, 84 feet north of Marriott's lane.
 76 In Fifth street, 228 feet south of Carpenter street.
 77 In Fifth street, 185 feet north of Federal street.
 78 In Sutherland street, 137 feet south of Queen street.
 79 In Carpenter street, 54 feet east of Fourth street.
 80 In Atherton street, 35 feet south of Marriott's lane.
 81 In China street, 139 feet east of Second street.

IRON PIPES laid in the District of SOUTHWARK.

	<i>Feet.</i>	<i>In</i>	<i>Feet.</i>	<i>In</i>	
Number of feet laid during the years 1826, 1827, 1828, 1829, and 1830,	35,010	11			
Number of feet of pipes laid in 1831, -	2,977	11			
				37,988	10

FIRE PLUGS erected in the District of SOUTHWARK.

The number erected during the years 1826, 1827, 1828, 1829, 1830, and 1831, is 81

STATEMENT,

Showing the quantity of Iron Pipes laid, and the number of Fire Plugs erected in the District of Spring Garden, during the years 1826, 1827, 1828, 1829, 1830, and 1831.

IRON PIPES LAID IN 1831.

		<i>Feet.</i>	<i>In</i>	<i>Feet.</i>	<i>In</i>
10 inch diameter,	Coates's street, from the middle of Seventh street to the middle of Eighth street, - -	571			
10 do.	Eighth street, from Buttonwood to the middle of Green street, - - - -	658			
4 do.	Wood street, from Eighth street to the Ridge road,	628			
10 do.	Eleventh street, from Callowhill to the middle of Green street, - - - -	1,421			
4 do.	Nectarine street, from the middle of Tenth to the middle of Eleventh street, - -	448			
				3,726	
The number of feet laid during the years 1826, 1827, 1828, 1829, and 1830, - - - - -				27,430	$\frac{3}{4}$
Together, - - - - -				31,156	$\frac{3}{4}$

FIRE PLUGS ERECTED IN 1831.*No.*

- 46 Coates's street, west of Seventh street.
- 47 Eighth street, north of Buttonwood street.
- 48 Eighth street, north of Spring Garden street.
- 49 Wood street, west of Garden street.
- 50 Eleventh street, north of Callowhill street.
- 51 Eleventh street, north of James's street.
- 52 Eleventh street, north of Buttonwood street.
- 53 Eleventh street, north of Spring Garden street.

FIRE PLUGS erected in the District of SPRING GARDEN.

The number erected during the years 1826, 1827, 1828, 1829, 1830, and 1831, is 53

SAMUEL W. RUSH, *Register.*