## ANNUALIEPORT

## OF THE <br> FORTHETEAR184\%,

TO THE

## SELECT AND COMMON COUNCILS

THE CITY OF PHILADELPHIA.

JANUARY 6, 1848 .

PHILADEIPHIA:
1848.

## Crissy \& Markley, Printers.

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## WATERING COMMITTEE.

JOHN PRICE WETHERILL, Chairman.
CHARLES GILPIN, JOHN TRUCKS,
A. J. LEWIS,

CHARLES A. POULSON,
SAUNDERS LEWIS,
WILLIAM DIVINE,
JACOB E. HAGERT.

AHAMEOARA Manat Mata

## ANNUAL REPORT

OF THE

# WATERING COMMITTEE <br> FOR THE YEAR 184\%, 

TO THE

SELECT AND COMION COUNCLLS OF PHILADELPHIA.

In compliance with the established regulation of Councils, the Watering Committee present their Annual Report, accompanied by the Accounts necessary to show their expenditures, and elucidate their proceedings during the past year.

The principal care of your Committee, during the year, has been to improve the supply of water to the South-western section of the City, which required attention on account of the many improvements made there. It will be seen by reference to the list of pipes laid in the year, that almost all of them were put down in that part of our City; and as a large portion of them are twelve inches in diameter, they cannot fail to afford a good supply of water for several years to come.

## ( 6 )

Early in the season your Committee succeeded in making a mutual agreement with the Commissioners of the District of Spring Garden, for the vacation of a piece of ground, situate west of the west line of the abutment of the Wire Bridge, and for the opening of Biddle street to Callowhill street. The ground vacated as above mentioned, has been laid out in grass beds and walks, and an ornamental cast-iron railing erected upon the line parallel with the abutments of the Wire Bridge, which now makes a beautiful finish to this part of the Works. By this agreement, the City ceded to the District a triangular piece of ground between Biddle and Callowhill streets, to be appropriated as an omnibus stand forever, and it will therefore be properly paved for that purpose early in the Spring.

Your Committee have had under consideration, the rates of charge for water, and have concluded to make a reduction in the rent on small houses, corresponding in size to court houses, and containing but one room on a floor. This reduction will go into effect for the year 1849; at which time all such small houses will be required to pay but $\$ 250$ each.

The iron pipes, laid during the year, amount to 9,279 feet, which makes the total amount of iron pipes laid since eighteen hundred and nineteen, 381,160 feet-being upwards of 72 miles; and so perfect are these pipes, that they have not cost one dollar for repairs during the whole year.

The pipes now laid in the District of Southwark is $125-8$ miles, and of Moyamensing, 7 miles, which makes the total amount of iron pipes in the City and lower Districts, $915-8$ miles.

There are in the City 608 fire-plugs, and in Southwark 138, and in Moyamensing 71-together, in City and Districts, 817 fire-plugs.

## ( 7 )

The consumption of water during the year, was as follows:From Jan'y to April, 13 weeks, an average daily supply of $3,013,931$ ale gallons.

| From April to July, | do | do | $4,457,280$ | $"$ |
| :--- | :--- | :--- | :--- | :--- |
| From July to October, | do | do | $4,976,491$ | " |
| From Oct. to Dec. 31,1847 , do | do | $3,855,028$ | " |  |

Being an average daily supply throughout the year, of $4,075,682$ ale gallons, equal to 179 gallons to each tenant.

The above supply of water was distributed to 15,205 tenants, who pay for the water in the City, and 3,500 families who receive a supply from public hydrant pumps.

|  | in |  | - - | 18,705 | ants |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | iva | ran | Southwark, | 3,021 | " |
| Do | do | do | Moyamensing | , 1,063 | " |
|  |  |  | Together, | 22,789 | ants |

The amount placed to the credit of the Watering Committee for the year 1847, was as follows:-
As per estimate in the Report of $1846, \quad \$ 32,39683$
Balance placed to the credit of the Com-
mittee, to replace stop-cocks, \&c., used
in Water street, - - . . 2,828 75
Appropriated for the improvement of Bid-
dle street and Garden, - - - 5,000 00
————40,225 58
The Amount Expended in 1847, was as follows:-

| Distribution, $\quad . \quad$. |
| :--- |
| Fair Mount Works, |
| Iron Pipes, |
|  |
| $\quad$ |
| Amounts carried forward, |

## ( 8 )

Amounts brought forward, $\$ 22,47648 \$ 40,22558$

$$
\text { Water Power, - - . . } 2,61562
$$

Incidentals, - . - - 2,31468
Salaries, - - . . . 4,05000
Improvement of Biddle street, - 2,859 40
\$34,316 18
Leaving a Balance in the Treasury of - - - \$5,909 40
Less Amount of outstanding bills for Work contracted
for, \&c., to be paid in 1848, . . . . 2,140 60
Leaves in the Treasury, - - - $\$ 3,76880$

The amount of Duplicates for 1847, as per Register's
Account No. 9 , without deducting commissions, is $\$ 108,62893$
The amount paid into the Treasury, after deducting
commissions, \&c., $\$ 6,45591$, as per balance
sheet of Register, No. 1, is

- 110,505 17

The amount of Revenue per Duplicates for 1848, as
per Register's Account, No. 10, is as follows:-

$$
\begin{array}{lrrr}
\text { City, } \quad- & -\$ 92,20050 \\
\text { Southwark, } & - & 18,143 & 51 \\
\text { Moyamensing, } & 6,52500 \\
\text { Together, } & - & \square & \$ 116,869
\end{array}
$$

From which deduct Annual Appropriation to Sink-
ing Fund, per Ordinance
February 27, 1840, $\$ 20,00000$
Per Ordinance Jan. 20, 1842, 12,000 00 -——— 32,00000
Add estimated am't of Expenses for 1848, 51,893 75
83,893 75
Balance that may be taken in aid of Taxes, - . $\$ 32,97526$

$$
(9)
$$

Increase of Water Rents by new Permits in 1847, as per Register's
Account, No. 9, is as follows:-

| City, - $\quad-$ | - | $\$ 6,530$ | 25 |
| :--- | :--- | :--- | :--- |
| Southwark, - | - | $2,226 \quad 75$ |  |
| Moyamensing, | - | $-1,45000$ |  |
|  |  | 10,20700 |  |

Deduct Rents declined, allowed, \&c., in City \& Districts, 1,966 92 Increase in the City and Districts in 1847, - - $\$ 8,24008$ ESTIMATE FOR THE YEAR 1848.

## INCIDENTAL EXPENSES.

For the support of the Distribution, - $\$ 3,50000$
For working Machinery, Fuel, \&c., at Fair
Mount, - - - . - - 2,800 00
For the payment of Taxes on Fair Mount
Estate, - - - - - 3,60000
For attendance on the Garden, Mowing
Grass and Keeping Order on Sundays, 50000
For general Repairs to Fences \& Works,
and Wharf Property, - - - 50000
For Salaries, - - - - - 3,900 00
For Incidentals, - . . . . 2,500 00
$17,300 \quad 00$
Amount carried forward, $\$ 17,30000$

## ( 10 )

Amount brought forward, $\$ 17,30000$

PERMANENT EXPENSES.
For building a Guard Pier above the Dam, $\$ 65000$
For relaying the following Streets with
6 inch iron pipes, now supplied through
wooden logs, viz:-
Twelfth street from Chesnut to Spruce,
Thirteenth street from Locust to High,
Thirteenth street from Vine to Cherry, George street from Eleventh to Juniper, Locust from Eleventh to Twelfth, Filbert street from Juniper to Broad, and Green's court, with three inch pipes, from Spruce to Pine, - - - - 13,117 50
For pipes when water may be required to supply improvements, - - . 3,00000

16,767 50
For a 20 inch iron main, with cocks and
connections in Schuylkill Eighth street,
from Chesnut to Spruce street, - - 8,906 25
For a 16 inch main in Schuylkill Eighth
street, from Spruce to Cedar, - - 4,92000
For a 16 inch main in Cedar, from Schuyl-
kill Eighth to Broad, - - - 2,00000
15,82625
For a Monument to be erected at Fair Mount, per Re-
solution of Councils of April 22, 1847, but the Ap-
propriation not then made, - . . . . 2,000 00
Amount to be appropriated for 1848, - $\$ 51,89375$

## ( 11 )

Amount of outstanding Bills for finishing Biddle st., \&c., appropriated in 1847, but remaining to be paid in 1848, $\$ 2,14060$

Annexed is the Report of the Superintendent upon the State of the Works, which was presented to your Committee, December $22,1847$.

To the Watering Committee of City Councils:-
Gentlemen-In compliance with the wishes of the Committee, I beg leave to submit the following Report upon the Distribution Department of the Works; and I also take the liberty of adding a Report upon certain parts of the Works at Fair Mount, which require repairs or renewal, with estimates of the cost of the same, that the Committee may decide what portion of the work they will do, during the next year.

The subject which appeared to claim the first examination, was the proper supply of the South-western part of the City, which it is evident is spreading very rapidly; while at the same time, from the large number of factories contained in it, which consume very large quantities of water, it demands a perfect supply. After a trial of the head, in many places, I feel satisfaction in stating, that I think the quantity of water now afforded to this district, is quite as great as in any other section of the City. The provisions made for that purpose, during this year, by the extension of the twelve inch mains on Cedar, Spruce and Schuylkill Fifth streets, with the connections of six inch pipes therewith, are perfectly efficient, and will insure a good supply of water for several years to come, merely by laying, in each year, such pipes as may be required to accommodate new improvements. In fact, I see no means of improving the head, materially, except by laying the sixteen inch
main on Cedar street, from Broad to Schuylkill Fifth street, which I do not think advisable at present, as the only portion of this street now in want of water, is on the south side, between Broad and Schuyldill Eighth streets: and this may be supplied by means of a temporary three inch pipe, until such time as it may be expedient to lay the main intended for this street.

I am fully of the opinion, that it would be premature to lay large pipes on Cedar street, until the main be laid on Schuylkill Eighth street, from its present termination at Chesnut street to Cedar street; and as this main will, in a few years, be of importance, not only to the City, but to the Southern Districts, I would call the attention of the Committee to the consideration of the propriety of making early provision for the laying of the whole or a portion of such a main, as it may probably be necessary to contract for pipes of such large size the year previous to the laying of them down.

I herewith annex an estimate of the probable cost of laying the main intended for Schuylkill Eighth street.

For a 20 inch main from Chesnut to Spruce, - \$8,906 25
For a sixteen inch main from Spruce to Cedar, - 4,920 00
For a 16 inch main from Broad to Schuylkill
Eighth street, in Cedar street, - - - 2,000 00
\$15,826 25

The next subject of importance is the replacing of the wooden logs by iron pipes; these logs are a source of much inconvenience and expense; in addition to which, most of them are but four and one-half inches in diameter, where they should be at least six inches.

I herewith submit a list of such streets, east of Broad street, as are either laid with logs, or have no pipes of any kind, with an
estimate for the laying of the whole, and also for a portion which have given the most trouble, and therefore require the earliest attention.

> List of Streets which are either laid with Logs, or have no Pipes of any kind.

| Twelfth st., from Chesnut to Spruce st., | $-1,425$ | feet. |
| :--- | :--- | :--- |
| Thirteenth st., from Lacust to High st., | $-1,414$ | " |
| Thirteenth st., from Vine to Cherry st., | $-1,015$ | " |
| George st., from Eleventh to Juniper st., | $-1,167$ | " |
| Locust st., from Eleventh to Twelfth st., | 450 | " |
| Filbert st., from Eleventh to Twelfth st., | -450 " |  |
| Cherry st., from Twelfth to Broad st., | $-1 ., 024$ " |  |
| Filbert st., from Juniper to Broad st., . | -300 " |  |

Lombard st., from Eleventh to Thirteenth st., no pipes now, - - - - 750 "

Together, requiring 6 inch iron pipes, 7,995 feet.
The estimated cost of laying the above,
with fire-plugs, branches, cocks, \&c., is - - \$13,967 50
The following require to be relaid with three inch Pipes.
Quince st., from Spruce to Walnut st., - 870 feet.
Clover st., from Twelfth to Thirteenth st., - 450 "
Lawrence st., from Twelfth to Thirteenth st., 450 "
Benezett st., from Eleventh to Twelfth st., - 450 "
Mark's Lane from Eleventh to Twelfth st., - 450 -
Juniper st., from Arch to Vine st., - 1,356 "
Dean st., from Locust to Walnut st., - - 420 "
Marble st., from Tenth to Eleventh st., - 120 "

Amounts carried forward, $4,566 \mathrm{ft} . \$ 13,96750$

## ( 14 )

Amounts brought forward, $\quad 4,566 \mathrm{ft} . \$ 13,96750$
Warren st., from Dean to Thirteenth st., - 150 "
Lyndal st , from Twelfth to Dean st., - - 250 "
Walnut Alley, from Juniper to Thirteenth st., 300 "
Centre Alley, from Eleventh to Twelfth st., 450 "
Sheaff's Alley, from Eleventh to Madison st., - 225 "
Currant Alley, from Locust to Walnut st., 420 "
Hog Alley, from Seventh to Eighth st., - 446 "
Franklin st., from Race to Vine st., - - 480 "
Starr Alley, from Cherry to Race st., - 338 "
Hoffman's Alley, from Cresson's Alley to Race st., 160 "
Branner's Alley, from Bryan's Court toVine st., 250 "
Quince st., from Lombard to Pine st., - 372 "
Green's Court, from Spruce to Pine st., - 475 "
8,882 feet.
The estimated cost of laying the above three inch pipes, is - - . . . \$10,682 00

Cost to remove all the above wooden pipes, about $31-5$ miles, is - - . - $\$ 24,64950$

If the above mentioned pipes were all laid, the distribution would then be entirely complete in the City, east of Broad street. This would, of course, be very desirable : but I would earnestly recommend that the pipes comprised in the following list, be laid during the next year.
feet.
Twelfth st. from Chesnut to Spruce, 1,425
Thirteenth st. from Locust to High, 1,414
Thirteenth st. from Vine to Cherry, 1,015
George st. from Eleventh to Juniper, 1,167
Amount carried forward, 5,021


And the following three inch pipesfeet.
Juniper st., from Arch to Vine, 1,356
Benezett st., from Eleventh to Twelfth, 450
Mark's Lane, from 11th to 12th st., 450
Green's Court, from Spruce to Pine, 425
Estimated cost of laying - - 2,681 feet of three
inch pipes, - - . . . . . 3,181 00

Together, $\$ 17,14850$

I am happy to state that the Works at Fair Mount are in a good condition, generally. The usual repairs to the fences, \&c., are, of course, necessary, and will be provided for in the estimate for the year. The fence upon the second bank of the reservoirs, is in a dilapidated condition ; it may, perhaps, last during the next year,

## ( 16 )

but if we should be unable to maintain it, I would propose to remove it altogether, as there is now no occasion for it, except for ornament.

The subject to which I would most particularly call the attention of the Committee, is the condition of the Pavilion Pier and Eastern end of the Dam. This pier is built upon crib work of wood, such as the foundation of the Old Dam, with the character of which I believe the gentlemen of the Committee are fully acquainted. This crib work has heretofore been protected by stone piled in front of it ; but since the rebuilding of the Dam, these stones have been washing away (more or less of them being removed by every high freshet.) The principal cause of this, is the peculiar form of the stone icebreak above the Dam, which causes the water from the Dam to fall directly at the base of the pier, thereby tending to undermine its foundation; and from its conelike form, it becomes useless when there is the greatest occasion for it, during high freshets, for the higher the water raises, the smaller the icebreak becomes. I would, therefore, recommend the building of a wooden icebreak, to connect with the present stone one, and to extend out to the face of the Dam, and also the refilling of stone in front of the pier below the Dam. To accomplish this object, I estimate that the sum of $\$ 650$ will be sufficient.

The guard pier and wharf will require some small repairs, which may done at the same time.

I have also estimated $\$ 1,800$ for the erection of a stone storehouse on Coates' street, (to replace the one which was burned down in the spring,) as we have already been at considerable inconvenience for the want of a place to store old materials, which necessarily accumulate very rapidly about such works as those at Fair Mount.

## ( 17 )

I herewith annex an estimate for the consideration of the Committee, for the year 1848.

## INCIDENTAL EXPENSES.

For the support of the Distribution, - - \$3,500 00
For working Machinery, Fuel, \&c., at Fair
Mount, - - - - - - 2,80000
For payment of Taxes on Fair Mount
Estate, - - . . . . 3,600 00
For attendance on Garden, Mowing, Keep-
ing Order, \&c., - - . . 50000
For general Repairs to the Works,
Fences, \&c., Wharf Property, - 50000
For Salaries, - . . . - 3,90000
For Incidentals, . . . . . 2,500 00
17,300 00

PERMANENT EXPENSES.
For building icebreak above the Dam, - 65000
For building storehouse on Coates' street, 1,80000
For relaying certain streets with iron pipes, 17,148 50
For transient pipes where water may be
wanted, - . . . . . 3,00000 ————22,598 50
For Monument to be erected at Fair Mount, per Resolution of Councils, April 22, 1847, but Appropriation was not made at that time, . . . . 2,000 00

## ( 18 )

Amount of outstanding Bills to be paid in 1848, from Appropriations made in 1847, - - - - $\$ 2,14060$

All of which is respectfully submitted, by
Your obedient servant,
FREDERICK GRAFF, Superintendent of Fair Mount Water Works.

In closing this years Report, your Committee deeply regret the death of the late Superintendent, Frederick Graff, Esq., which took place upon the 13th of April last, who for forty-two years held that situation; and by his plans and devoted attention to the best interests of the City, and to Fair Mount Water Works, has been of great benefit not only to our citizens, but to the country generally.

> JOHN P. WETHERILL, Chairman. CHARLES GILPIN, JOHN TRUCKS,
> A. J. LEWIS, SAUNDERS LEWIS, CHARLES A. POULSON, WILLIAM DIVINE, J. E. HAGERT.

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## LIST OF CERTIFICATES

## FOR MONEYS DRAWN BY THE WATERING COMMITTEE,

## FOR

## FAIRMOUNT WATER WORKS,

From Dec. 31, 1846, to Dec. 31, 1847.


## ABSTRACT OF PAYMENTS MADE UNDER THE FOREGOING CERTIFICATES.

Distribution.








Hazelton \& Co., for carriages attending funeral of F. Graff, deceased, 7, St. George T. Campbell, settlement of suit with F. Erdmann, -
1, Enoch 'Thorn, for desk for Register's office,
George W. McMahan, for payment of discoveries in Moyamensing,
6, E. Trimmer, for carriages attending funeral of F. Graff, deceased, George W. Brown, for sundries for Committee, Sheridan \& Kellog, for carriage hire, to July 1, 1847,
6, J. Thomason \& Son, for repairs to stoves in Register's office, George W. McMahan, for payment of discoveries, G. W. Harvey, and William Daugherty, for serving delinquent notices, Crissy \& Markley, for books for Register's office,
2, William Griffith, for awning for do
R. Selfridge, for water rent refunded, per orders of the Committee,

1, Executors Estate of John Moss, for set of fire proof doors,
James Bayly, for materials, and building fire proof at Cherry street office,
6, George W. McMahan, for payment of discoveries,
3, George W. McMahan, for do do
1, J. B. Springer, for 3 tons of coal for Register's office,
1, T. Ward, for stationery for
do
G. W. Brown, for sundries for Committee,

5, J. B. Lippincott \& Co., for stationery for office, Cherry street,
E. Cowperthwait, for repairs to blinds and carpet, Register's office,

22, Lydia R. Bailey, for printing for Cherry street office,
Crissy \& Markley, for printing for Register's office,







Ditto For Pipes where water may be required to supply Improvements, -
Ditto
Ditto For twenty inch Main, with connections in Schuylkill Eighth street, from Chesnut to Spruce, -
-
Ditto
For sixteen inch Main, in Schuylkill Eighth st., from Spruce to Cedar, For sixteen inch Main, in Cedar st., from Schuylkill Eighth to Broad,

Fair M't W'ks. For a Monument to be erected at Fair Mount, as per Resolution of Councils of April 2 2,1847 , but the Appropriation not then made, -

Amount to be Appropriated in 1848, -
Biddle street,
Amount of Outstanding Bills for finishing Biddle street, \&c., Appropriated in 1847, but remaining to be paid in 1848, -


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## Account of Iron Pipes.

Iron Pipes laid in former years, commencing in October, 1819, to December 31, 1846, - - - . . - - - - feet 371,881

## lron Pipes laid in the year 1847.

Howell street; from Schuylkill Third to Fourth, Watt street, castward to EIm street,
Stone st,, between Schuylkill Seventh and Eighth sts., Ashland street, northward towards Spruce,
Small street, running south from Stone street, -
Wilcox street, from Schuylkill Third to Fourth,
Pipes used for connections with Fire-plugs,
Schuylkill Seventh street, from Arch to Cherry st., -
Pine strect, from Schuylkill Fifth to Sixth street, Ashton street, from Cedar, northward,
Lombard street, from Schuylkill Second, eastward,
Schuylkill Sccond street, from Spruce to Pine, -
Schuylkill Fourth strect, from Lombard to Spruce
Schuylkill Eighth street, from Cedar, northward,
Pine street, from Schuylkill Fifth to west of Schuylkill Fourth,
George strect, from Schuylkill Third to Fourth st.
Ashton strect, from Spruce to Pine street, -
Spruce street, from Beach to Willow street,
Cedar street, from Schuylkill Front to Second,
Spruce street, from Aspen Alley to Schuylkill Third, Schuylkill Fifth street, from Coxe's to Cedar street, Cedar street, from Schuylkill Fourth to Fifth street,


Being upwards of 72 miles of Pipe,

## FREDERICK GRAFF,

Superintendent of the Fair Mount Water Works.
December 31, 1817.

## AN

## ABSTRACT OF THE ACCOUNTS

KEPT IN THE

## OFFICE 0F THE WATERING COMMIITTEE,

## CITY HALL,

FOR AND DURING THE YEAR $184 \%$

## No. 1.

## STATEMENT

## Setting forth the Amount of Revenue received from Water Rents, the Cost of Collection, the Appropriation by Councils to the Watering Committee, aud the Amount Expended during the year 1847.

Duplicates of Water Rents for the City and Districts, as per last Report, No. 9,

To which add:--viz.
For Discoveries in Moyamensing, per Account No. 12,
For omissions on City Duplicates, per Account No. 6 ,
For cutting off Pipes of Delinquents, per Account No. 7,

For Fractional Water Rents, received in ad vance, during the year 1847, per Account No 2 .
For Back Water Rents, for 1846, in City and Districts, on account of Discoveries, per Account No. 2,

For Water Rent, sued for 1846, as per No. 7, For Water Rent, sued for 1845, as per No. 8,
Amount placed in Register's hands to pay for Discoveries and petty Bills, in 1847,
Amount unexpended in Register's hands, from 1846,
:




## Appropriated by Councils:-

As per Estimate in the Report of 1846, Amount to the Credit of the Committee, to replace stop-cocks, \&c., used in Water street, Appropriated for improvement of Biddle street,'


Amount of Water Rent for 1846, in Alderman Kenny's hands, not recovered, as per No. 7, Amount paid Alderman Kenny, costs of suit in the above cases, .
Amount of Water Rent for 1845, in Alderman Armon Davis's liands, not recovered, as per No. 8,
Amount of Water Rent for $18 \dot{4} 5$, in Alderman Jocl Cook's hands, not recovered, as per No. 8, .
Amount paid Alderman Davis, costs of suit in the above cases, .
Amount of Water Rents received in 1846, in advance for 1847, and paid as per last Report, No. 2, .
Amount expended by Register, per petty cash account, on account of Discoveries,
Amount expended for petty bills for Register's Office, .
Balance on hand, Deccmber 3i, 184\%, . .
Amount expended by the Watering Committce,
per No. 4, .
Amount unexpended, December 31,1847 ,


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No. 2.

Amount of Cash received and paid by the Register of the Watering Committee into the City Treasury, during the year 1847.


## No. 3.

## A TABULARSTATEMENT,

Setting forth in a condensed form the several Accounts accompanying this, and the Amount of Water Rents from the commencement to the year 1848, inclusive.

|  | - Amoune appropriated by Councils for the your 1817. | Amount expenutcd by the Commillee for the yeur 1817. | Amount of Water Rents received during the year 1847. | Increase of Water Remls in the Cily rund Districts curving the year 1847. | Amount of Water lients dectined, \&.c. during the yerr $184 \%$. | Amount <br> Water Rents <br> in the City <br> hnd Districts <br> for the year <br> 1.848. | Number of Water Trtiers in the Cily and Dis tricts, 1847. | Amount of Water 1Rents from the commencement to the year 1848, inclusive. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 11. <br> 42,225 <br> 158 <br> 1 | $D$. $C$ <br> 34,316 18 | $\begin{array}{c\|c\|} \hline D . & C \\ 77,8.30 & 8 \\ \hline \end{array}$ | $\begin{array}{c\|c\|} \hline 11 & C \\ 6,530 & 25 \\ \hline \end{array}$ | $\begin{array}{\|l\|l\|l\|} \hline 10 . & C \\ 1,512 & 50 \\ \hline \end{array}$ | $\begin{array}{c\|c\|} \hline I, & C \\ 92,200 & 50 \end{array}$ | 15,205 | $\begin{array}{c\|c} \hline D . & C \\ 1,661,924 & 00 \\ \hline \end{array}$ |
|  | 42,225 <br> - | 34,316 18 | 13,779 115 | $\begin{aligned} & 6,530 \\ & 2,226 \\ & \hline 25 \\ & 75 \end{aligned}$ | 1,99400 | $\begin{aligned} & 92,200 \\ & 18,143 \\ & 51 \end{aligned}$ | 3,021 | $\begin{array}{r} 1,221,95511 \end{array}$ |
| Southwark, - - - - <br> Moyamensing, - -   |  | $\begin{array}{ll\|l} - & - & - \\ - & - & \end{array}$ | 4,575 50 | 1,450 00 | 16042 | 6,525 00 | 1,063 | 49,32264 |
| Girard Water Rents, | - .. - | - - - | 1,12700 | - - - | - | - - - | - - |  |
| Rents payable to Register, | - |  | 13,192 65 | - | - - - | - - - | - - | - - |
| From Northern Districts, | - - - | - - - | - | - - - | - - - | - - - | - - | 54,0988,67 |
| Number of tenants from public Pumps, | - - - | - - - |  | - - | - - | - - | 3,500 | - - |
|  | 42,225 | 34,316 18 | 110,505 17 | 10,207,000 | 1,966192 | 116,869 01 | 22,789 | 2,482,290 42 |

## ( 40 )

## No. 4.

Statement showing the Appropriation by Councils, and the Amount expended by the Committee, under the several heads of Accounts, as kept by the Register of the Watering Committen.

Amount appropriated by Councils:-
As per Estimate in the Report of 1846, Amount to the Credit of the Committee, to replace Stop-cocks, \&c., used in iron Main in Water street,
Appropriated for the Improvement of Biddie street, \&c.,

Amount expended by Committee:-
For Distribution,
" Fair Mount Works,
" Iron Pipes,
" Water Power, . . . . .
" Incidentals, . . . . .
" Salaries,
" Improvement of Biddle street, . .

Amount Unexpended,


## ( 41 )

No. 5.

Statement showing the List of Water Rents payable to the Register of the Watering Committee, in the Office, City Hall, on the 1st day of June, 1848.

| Joseph S. Lovering \& Co., No. 27 Church Alley, | $\begin{array}{r} \hline \text { Dolls. } C . \\ 750 \mid 00 \end{array}$ |
| :---: | :---: |
| Trustees of the Philadelphia Gas Works, | 40000 |
| Feltus \& Zimmarling, Zane st. west of Seventh street, | 25000 |
| George L. Broom, No. 13 Bread st | 25000 |
| United States Mint, N.W. cor. Chesnut and Juniper st., | 16500 |
| M. Lewis \& Co., S.W. cor. Pine and Schylkill Eighth, | 15100 |
| Naval Asylum, Gray's Ferry Road, | 14000 |
| Howell \& Brothers, N. W. cor. Schuylkill Fourth and Howell st, | 14000 |
| Thomas E. J. Kerrison, west side of Arcade, | 13800 |
| John A. Wetherill, No. 48 north Third st., | 13500 |
| Smith \& Seckel, N.W. cor. Minor and Fifth st., | 12800 |
| E. \& D. Ford, No. 83 Race street, | 12500 |
| Samuel Smyth, Ashton, near Vine st., | 12500 |
| Robert E. Matheys, No. 124 south Second st., | 12500 |
| M. L. Dawson, N. W. corner Tenth and Filbert st., | 12450 |
| David Milne \& Son, south side Lombard, west of Schuylkill Fifth st., | 12300 |
| Thomas Drake, S.W. cor. Pine \& Schylkill Second st., | 12000 |
| John K. Murphy, No. 68 south Twelfth st., | 10000 |
| Thomas Lipsey, No. 330 Pine st., | 10000 |
| James Maxwell, No. 460 Cedar st., | 10000 |
| William McMackin, No. 30 Dugan st. | 10000 |
| Samuel McIlree, No. 152 south Thirteenth st., | 10000 |
| John Perry, No. 14 Ann st., west of Twelfth st., | 10000 |
| Committee on Police, Filbert, west of.Schylkill Eighth, | 1000 |
| Committee on Police, Cherry, west of Fourth st., | 1000 |
| Committee on City Property, | 3100 |
|  | 4,040 50 |

## ( 42 )

No. 6.
Statement showing the settlement of the Duplicates of the City Water Rents, for the year 1847.


## ( 43 )

No. 7.

Statement showing the settlement of the Balance of unpaid Water Rents for the year 1847, as returned by Collectors, and allowed to them by Committee, and also Balance of Water Rents for 1846, placed in suit in hands of Alderman John B. Kenney, December 31, 1846.


No. 8.

Statement showing the settlement of the balance of unpaid Water Rents for the year 1845, in the hands of Aldermen Armon Davis and Joel Cook, December 31, 1846.

Balance of Water Rents for 1845, in hands of Alderman Armon Davis, per last Report No. 7,
Balance of Water Rents for 1845, in hands of Alderman Joel Cook, per last Report No. 7,

## Accounted for to wit-

Amount received from Ald. Davis, \$18 45 Amount collected by Register, . . 1275

Paid into the City Treasury by the Register, as per No. 2,
Amount allowed Ald. Davis, costs of suit, Balance in Ald. Davis's hands, notrecovered,
Balance in Ald. Cook's hands, not recovered,


No. 9.

Statement showing the amount of the Duplicates of Water Rents, for the year 1848 .


## ( 46 )

No. 10.

Statement showing the amount of Revenue from Water Rents in the City and Districts, for the year 1848, the number of Water Takers, the nett increase of Water Rents, and the amount declined in the City and Districts, during. the year 1847.


## ( 47 )

## No. 11.

Statement showing the Settlement of the Duplicates of Water Rents, exclusive of Discoveries, charged to the Board of Commissioners of the District of Southzuark, for the year 1847, as per last Report No. 9; the quantily of Iron Pipes laid, and the Number of Fire Plugs erected in the District, to the year 1847, inclusive.

|  | $\begin{array}{r\|r\|} \hline \text { Dolls. } & \text { C. } \\ & \\ 16210 & 76 \\ 2431 & 61 \end{array}$ | Dolls. ${ }^{\text {C }}$. |
| :---: | :---: | :---: |
| Amount of Duplicates for 1847, \$16,215 76 |  |  |
| Deduct for charge made in error, 500 |  |  |
| Deduct 15 per cent., as per agreement, - |  |  |
| Amount paid to the City Treasurer, by the |  |  |
| Treasurer of the District, |  | 1377915 |
|  |  | Feet. In |
| Iron Pipes laid to December 31, 1846, |  | 6478904 |
| Iron Pipes laid during the year 1847, |  | 86900 |
| Whole amount to December 31, 1847, inclusive, |  | 65658 \|04 |

Say $125-8$ miles. 138 Fire Plugs.

## No. 12.

Statement showing the Settlement of the Duplicates of Water Rents, charged to the Board of Commissioners of the Township of Moyamensing, for the year 1847, as per last Report No. 9; and also the Discoveries collected, the quantity of Iron Pipes laid, and the number of Fire Plugs erected in the District, to the year 1847, inclusive.

| Amount of Duplicates for 1847, Add for Discoveries in the Township, | $\begin{array}{r\|} \hline \text { Dolls. } \\ 5230 \mid \\ 42 . \end{array}$ | Dolls. ${ }^{\text {C }}$. |
| :---: | :---: | :---: |
|  | 15250 |  |
|  |  |  |
|  | 538292 |  |
| Deduct 15 per cent., as per agreement, | 80742 | 457550 |
| Amount paid to the City Treasurer by the Treasurer of the Township, - |  | 457550 |
|  |  | Feet. In |
| Iron Pipes laid to December 31, 1846, Iron Pipes laid during the year 1847, inclusive, |  | $\begin{array}{r\|r} 26571 & 06 \\ 9583 & 00 \end{array}$ |
| Say 7 miles, |  | 36154,06 |

71 Fire Plugs.

Statement, showing the settlement of the Water Rent charged to the Girard Estate, in the City, as per last Report No. 9, and also the settlement of the Water Rents payable to the Register, as per last Report No. 5.

| Amount paid by the Treasurer of the Girard Estate <br> to the City Treasurer, - |
| :--- |
| Amount paid by the Register of the Watering Commit. |
| Ame to <br> tee the City Treasurer, as per Account No. 2, |

No. 14.
Statement of the number of dwellings, $\wp$ c. $\&-$., in the Township of Moyamensing, supplied with the Schuylkill water, to the 31st December, 1847, with the amount of Water Rent due for 1848, as per Report No. 10.



No. 15.

Statement of the number of dwellings, \&c. \&c. in the District of Southwark, supplied with the Schuylkill water to the 31st of December, 1847, with the amount of Water Rent due for 1848, as per Report No. 10.



## ( 52 )



## ( 53 )

No. 16.

Statement, showing the number of Dwellings, \&c. \& c., in the City of Philadelphia, supplied with the Schuylkill water to the 31 st of December, 1847, with the amount of Water Rent due for 1848, as per Report No. 10.








## ( 60 )



## ( 61 )



## ( 62 )



Amounts brought forward, 1 Eight horse power, high pressure Steam Engine, - 1 Do do and Shop, - 1 Do do and Factory, 1 Do do and Brewery, -
1 Ten horse power, high pressure Steam Engine,
2 Do do \&c., - - -
1 Do do and Printing Office,
1 Do do \& Sugar Refinery,
1 Twelve horse power, high pressure Steam Engine,
1 Do do \&c., - - -
1 Twelve horse power, high pressure Steam Engine, and Factory, -
1 Twelve horse power, high pressure Steam Engine, and Dye House,
1 Twelve horse power, high pressure Steam Engine, and Dye House,

1. Twelve horse power, high pressure Steam Engine, and Dye House,
1 Fifteen horse power, high pressure Steam Engine, - -
1 Fifteen horse power, high pressure Steam Engine, and Factory,
1 Fifteen horse power, high pressure Steam Engine, and Sugar Refinery,
1 Eighteen horse power, high pressure Steam Engine,
1 Twenty horse power, high pressure Steam Engine,
1 Twenty horse power, high pressure Steam Engine and 1 twenty-two do, \& White Lead Factory, - -

Amounts carried forward,

| D. |  | $\begin{array}{\|c\|} D . \\ 1610 \end{array}$ |  | $\begin{aligned} & \text { Dolls. } \\ & 87242 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| 26 | 00 | 26 | 00 |  |
| 29 |  | 29 | 00 |  |
| 34 |  | 34 | 00 |  |
| 69 | 00 | 69 | 00 |  |
| 30 | 00 | 30 | 00 |  |
| 32 | 00 | 64 | 00 |  |
| 64 |  | 64 | 50 |  |
| 250 | 00 | 250 | 00 |  |
| 33 |  |  | 00 |  |
|  |  | 40 | 00 |  |
| 41 | 00 |  | 00 |  |
| 46 | 00 | 46 | 00 |  |
| 50 | 00 |  | 00 |  |
| 51 | 00 |  | 00 |  |
| 54 | 00 | 54 | 00 |  |
| 45 | 00 |  | 00 |  |
| 50 | 00 | 50 | 00 |  |
| 250 | 00 | 250 | 00 |  |
| 54 | 00 | 54 | 00 |  |
| 600 | 00 | 60 | 00 |  |
| 151 | 00 | 151 | 00 |  |

## ( 64 )



115 Steam Engines of $878^{\frac{1}{2}}$ Horse Power.

> GEORGE W. McMAHAN,
> $\quad$ Register of the Watering Committee.

January 1, 1848.
( 65 )

## APPENDIX.

The several Statements lettered A to O, inclusive, comprises in detail, the number of Dwellings, Baths, Wash Pavements, Manufactories, Steam Engines, \&c. \&c., in each Ward in the City of Philadelphia, supplied with the Schuylkill Water to the 31st of December, 1847, and the Amount of Water Rent due for the year 1848.

Respectfully submitted, george w. McMaHan, Register.

January 1, 1848.

## ( 66 )

## A.

Duplicate of UPPER DELAWARE WARD, for 1848.


## ( 67 )

|  | D. ${ }^{\text {C. }}$ |  |  |
| :---: | :---: | :---: | :---: |
|  |  |  | 1000 |
| 1 Sugar House, - . . |  |  | 2500 |
| 1 Public School, - - |  | 800 |  |
| 1 Do - - |  | 2850 |  |
| 1 Barber Shop, |  | 300 | 36.50 |
| 1 Drug Store, . |  | 300 |  |
| 1 Extra Attachment, - |  | $]$ 50 |  |
| 1 Do |  | 200 |  |
| 1 Distillery, - . . |  | 5000 |  |
| 1 Brewery, - - - |  | 1000 |  |
| 1 Do and five horse power, low pressure Steam Eng'e, \&c., |  | 7500 |  |
| 8 Bakeries, - | 300 | 2400 |  |
| 1 Bakery, and four horse power, high pressure Steam Engine, - |  | 4200 |  |
| 11 Horse power, high pressure Steam Engine, \&c., |  | 500 |  |
| 1 12 $\frac{1}{2}$ o do - - - |  | 1000 |  |
| 13 Do do and Drug Mill, - |  | 1500 |  |
| 14 Do do \&c., - - |  | 1500 |  |
| 15 Do do \&c., - - |  | 1650 |  |
| 18 Do do - - |  | 2900 |  |
| 112 Do do - |  | 4600 |  |
| 120 Do do - |  | ${ }^{60} 00$ | 19650 |
|  |  |  | 477200 |
| 125 Do do \& Turning Factory, |  |  | 12500 |
|  |  |  | 489700 |

Amount of Collector's Duplicate, - - $\$ 4,73300$
Water Rents páyable to Register, - - 12500
Delinquents in advance for 1848, - - 2600
By Permits in Dec.,1847, in advance for 1848, 1300
B.

Duplicate of NORTH MULBERRY WARD, for 1848.


## ( 69 )


C.

Duplicate of LOWER DELAWARE WARD, for 1848.


## ( 71 )



Duplicate of SOUTH MULBERRY WARD, for 1848.



## ( 74 ) <br> E. <br> Duplicate of HIGH STREET WARD, for 1848.




1 Use of Fire Plug to try new hose,
1 Bindery,
1 Do. - . . .
2 Binderies, - . . -
$\begin{array}{lclll}1 & \text { Printing Office, } & \text { - } & \text { - } & \text { - } \\ 1 & \text { Do } & \text { - } & - & \text { - }\end{array}$

1 One and a half horse power high pressure Steam Engine, -
1 Two and a half horse power high pressure Steam Engine and Shop,
1 Four horse power high pressure Steam Engine and Shop,
1 Ten horse power high pressure Steam Engine and Shop,
1 Five horse power high pressure Steam Engine and Shop, -
1 Fifteen horse power high pres. sure Steam Engine and Shop,
1 Two and a half horse power high pressure Steam Engine and Bindery,
1 Three and a half horse power high pressure Steam Engine and Paper Staining Factory,
1 Five horse power high pressure Steam Engine and Ma. chine Shop,

1 Public Baths,
1 Sugar Refinery, and forty-five horse power high pressure Steam Engine,

1000
500
1500
$1500 \quad 1500$
$2000 \quad 4000$

| 1500 | 15 | 60 |
| :--- | :--- | :--- |
| 2000 | 2000 |  |
|  |  |  |
|  |  |  |

20950
13500

75000
463450

Amount of Collector's Duplicate,
$\$ 3,63250$
Water Rents payable to Register,
88500
Water Rents charged to Girard Estates,
9900
Permits in December, 1847, in advance for 1848,
800
Delinquents in advance for 1848 , . . 1000
$\$ 4,634 \quad 50$

## ( 76 )

F.

Duplicate of NORTH WARD for 1848.


Amounts brought forward, 1 Medical College,

1 Barber Shop, 1 Do - . 1 Turning Shop, - - -
1
1
1 Drug Store, $\quad . \quad . \quad$.

1 Curing Meat Establishment, -
1 Printing Office; - - -
1 Soap Factory, - - ${ }_{2} \quad \stackrel{\text { Do }}{ } \quad$ - $\quad-\quad$.

1 Piano Factory,
1 . Do . . -

1 Dye House,
1 Two horse power high pressure Steam Engine,
1 Three horse power do -
1 Four horse power do -
1 Five horse power high pressure Steam Engine and Factory,
1 Eight horse power high pressure Steam Engine,
1 Do do
1 Police Station House, - -
1 Gas Works, ${ }_{1}{ }^{1}$ Sugar House, \& ${ }^{-}$er high pressure Steam Engine,
1 Brewery, and five horse power high pressure Steam Engine,

2 Distilleries, - - $\quad-\quad$.
1 Distillery, -

| $D . \mid C .$ | D. ${ }_{4}{ }^{\text {a }} 000$ | $\begin{array}{r\|} \hline \text { Dolls. } \left\lvert\, \begin{array}{r} C . \\ 6955 \\ 50 \end{array}\right. \end{array}$ |
| :---: | :---: | :---: |
| 1000 | 1000 |  |
|  | - - | 3400 |
| 300 | 300 |  |
| 500 | 500 |  |
|  | - | 800 |
| 300 |  | 300 |
| 1250 |  | 1250 |
| 300 |  | 300 |
| 1100 |  | 1100 |
| 800 |  | 800 |
| 500 | 500 |  |
| 750 | 750 |  |
| 1500 | 3000 |  |
|  | - | 4250 |
| 1000 |  | 1000 |
| 1000 |  | 1000 |
| $\begin{array}{r} 20 \\ 600 \\ 0 \end{array}$ |  | 2000 |
|  | 600 |  |
|  | 900 |  |
|  | 1200 |  |
|  | 2250 |  |
|  |  |  |
|  | 2400 |  |
|  | 2600 | 9950 |
|  | 1000 |  |
|  | 40000 |  |
|  | 25000 |  |
|  |  |  |
|  | 12450 |  |
| 1000 | 20. | 78450 |
| 1250 | 1250 |  |
| 1500 | 1500 |  |
|  |  | 4750 |
|  |  | 804900 |

Amount of Collector's Duplicate, - - $\$ 7,22000$
Water Rents payable to Register, - - 78450
Permits in December, 1847, in advance for 1848, 2650
Delinquents in advance for 1848 ,
G.

Duplicate of CHESNUT WARD, for 1848.



## ( 80 )

H.

Duplicate of MIDDLE WARD, for 1848.


J.

Duplicate of WALNUT WARD, for 1848.



## K.

Duplicate of SOUTH WARD, for 1848.



Amount of Collector's Duplicate, - - \$6,095 00 Permits in Dec., 1847, in advance for 1848, - 2300
$\$ 6,11800$

## L.

Duplicate of LOCUST AND DOCK WARDS, for 1848.



Amount of Collector's Duplicate, - $\$ 11,92900$

Water Rents payable to Register, - - 24600
By Permits in Dec., 1847, in advance for 1848, 3800
Delinquents in advance for 1848 , - . 1000

## ( 88 )

M.

Duplicate of PINE WARD, for 1848.


Amount of Collector's Duplicale, for 1848, - \$3,714 00
Water Rents charged to Girard Estates, - 14900
Permits in Dec., 1847, in advance for 1848, - 300
Delinquents in advance for 1848, - . 1000

Duplicate of NEW MARKET WARD, for 1848.



Amount of Collector's Duplicate for 1848, - \$4,558 25
Permits in Dec., 1847, in advance for 1848, - 800
Delinquents in advance for 1848, - - 5.00

## ( 91 )

0. 

Duplicate of SPRUCE, LOMBARD AND CEDAR WARDS, for 1848.



Amount of Collector's Duplicate for 1848, - $\$ 11,51100$ Water Rents payable to Register, - - 1,17400 Permits in Dec., 1847, in advance for 1848, - 8400
Delinquents in advance for 1848,
5500
\$12,824 00

