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ANNUAL REPORT

OF THE

WATER COMMISSIONERS

OF THE

CITY OF ERIE, MAY 1, 1871.

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ANNUAL REPORT

OF THE

WATER COMMISSIONERS

OF THE

CITY OF ERIE, MAY 1, 1871.

# WATER COMMISSIONERS' ANNUAL REPORT.

OFFICE OF WATER WORKS, }  
ERIE, May 1st, 1871. }

To the Honorable the Select and Common Councils of Erie:

GENTLEMEN:—We herewith transmit a detailed statement of the receipts and expenditures on account of the Water Works to April 30th, 1871, from which you will see that the receipts and expenditures for the year ending April 30th, 1871, have been as follows, viz:

## RECEIPTS.

Amount Cash on hand April 30th, 1870,.....	\$ 3,293.63
Water Works Bonds,.....	75,000.00
Water Rents,.....	11,370.56
From sundry persons in account,.....	148.65
Damages recovered,.....	200.97
For Sundries sold,.....	202.33
For Plumbing and Pipe Laying,.....	1,464.21
Total Receipts,.....	\$91,680.35

## EXPENDITURES.

Amount expended on Stand Pipe,.....	\$ 800.00
“ “ “ Inlet,.....	2.00
“ “ “ Excavation at Works,.....	285.15
“ “ “ Rail Road Switch,.....	454.75
“ “ “ Engine Repairs,.....	382.43
“ “ “ Building Repairs,.....	645.15
“ “ “ for Tools,.....	1.00
“ “ “ Printing and Advertising,.....	238.25
“ “ “ Engineering,.....	344.20
“ “ “ Stationery, Books, Office Furniture, Rents and Expenses,.....	2,472.60
“ “ “ on Service Pipe and Connections,.....	12,443.40
“ “ “ Distribution, Fire Plugs, &c.....	30,567.23
“ “ “ Repairs of Pipe,.....	1,883.48



Amount expended on Running Expenses of En-		
gines, .....	9,549.26	
" " " Gas Well No. 1, .....	1,822.96	
" " " Gas Well No. 2, .....	3,700.83	
" " " Care of Water Works		
Grounds, .....	3.00	
Discount of Bonds, less interest received, .....	7,648.67	
Total Expenditures, .....	\$73,244.36	

Total Receipts forward, .....	\$91,680.35
Total Expenditures forward, .....	\$73,244.36

We have on hand—

Cash, .....	\$ 2,822.71	
W. W. Bonds unsold, .....	15,000.00	
Accounts against sundry persons, ..	363.28	
City Treasurer's Note, .....	250.00	\$18,435.99
		\$91,680.35

There had been expended on the works, April 30th, 1871, .....	\$478,036.63
The Expenditures to April 30th, 1870, amounted to, .....	404,792.27

Making the total Expenditures for the year ending April 30, 1871, .....	\$73,244.36
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We have on hand Fire Plugs, Stop Valves, Service Pipe, Fittings, Lead, &c., to the amount of about \$2,895.20, which will reduce the amount actually expended on the works to \$475,141.43. If the Bonds on hand sell at the usual price (which is doubtful, since the interest on the two last issues due January 1st and March 1st, 1871, has not yet been paid) we will have of cash \$16,185.99, of which about \$8,000.00 will be applied to the payment of the award of the Arbitrators on the lot taken for a reservoir, when their award is confirmed by the Court, leaving only \$8,185.99, or thereabouts, applicable to the works for use in extending the mains, and putting in Fire Plugs and Connections.

The amount of water pumped in the last year was 361,048,680 gallons, and at one cent per hundred gallons, our receipts would have been \$36,104.86. This shows that there has been an enormous waste of water in the last year. During the extreme cold weather last winter the amount used was some days 1,500,000 gallons. Our policy thus far has been to allow a free use of the water, but the result of the last year shows such an unnecessary waste, that we have determined to enforce the penalties in all cases of waste arising hereafter.

We have several times, in former reports, referred to the question of distri-

\* The exact amount of the award cannot be stated by us, as we have no return of it except verbal report.

bution. It was always our judgment that it would have been the proper plan to have assessed the cost of the pipe on the streets where it was laid; but at the time we constructed the Works, we had no legal authority to make such an assessment. We had thought of proposing a law authorizing us to assess one dollar per foot on all streets where pipe had been laid and to assess the same rate on streets where a majority of the property owners petitioned to have it laid; but abandoned the idea on being advised that the assessment on streets where the water mains had been laid, would be of doubtful legality. We have laid more pipe than we supposed when we planned the works, would be called for in ten years, and there are now before us a number of applications for further extension of the mains,—the applicants all claiming that as they are taxed to defray the interest of the funded cost of the Works, they have a right to the water. The plea is a good one, and the city is bound to comply with their demands if it be practicable for her to increase her debt to the amount required. If that is not practicable, those who are now without but wish to have the water, must suffer for the public good, like those who were drafted during the late war and were compelled to endure hardships, and sacrifice life for the benefit of their more lucky neighbors who escaped the draft.

The trouble is that Erie is spread out too thin. Pittsburgh, with little more than double the amount of distributing pipe in use by us, receives between seventy and eighty thousand dollars per year from water rents. When all the streets within the present boundaries of the city are opened, there will be about one hundred and forty miles of streets, requiring over a million of dollars to supply them with distributing pipe; and if we go on laying pipe wherever people choose to call for it, without regard to the question whether it will pay or not, the city will be called upon to increase her debt fifty thousand dollars or more each year. Under all circumstances and considering the present pecuniary condition of the city, we have determined to lay no more pipe, except in cases where a guarantee shall be made to us that from the day it is laid, it shall pay the interest on its cost, and all the interest on the cost of the street connections together with the cost of pumping the water. We shall not at present recommend any further appropriations for the Works, but when applications are made to us for pipe accompanied by satisfactory guarantees as to the payment of the necessary amount of interest, we will report to your honorable bodies, and you can make appropriations or not as you think best. Probably the most feasible plan to equalize the water tax and do away with the injustice of burdening with the support of the Water Works, persons who receive no benefit from them, would be for your honorable bodies to procure the passage of a law authorizing the assessment of fifteen thousand dollars as an annual fire tax, to be assessed on all property within one thousand feet of any Fire Plug, and the further assessment of the balance (above fifteen thousand dollars) of the amount necessary to meet the interest on the Water Bonds each year, on the property adjoining the streets on which water pipe is or shall be laid.

Under this plan all property beyond 1000 feet from a Fire Plug would be exempt from all water tax, and all within that distance and not having the water, would pay only fire tax. This would silence the present complaints of injustice and remove the excuse for laying pipe where it will not pay interest.

During the past year we, at your request, contracted for a second Gas Well, one thousand feet deep, and when it had been sunk to that depth, made an arrangement for sinking it five hundred feet further; but the tools having been lost at a depth of 1200 feet and two weeks spent in ineffectual attempts to get them out, we authorized the abandonment of the job, being satisfied that nothing was to be gained by going deeper, except to gratify curiosity, no additional gas having been struck in the last 400 feet, and there being no signs of oil. This well is a stronger one than the first and we expect them together to furnish about two-thirds of the fuel needed by the Works. Our Water Rents have increased in the last year, and as there is a steady increase, there is no doubt that this year they will more than pay the current expenses of the works.

Respectfully Submitted,

WM. W. REED, }  
J. C. SELDEN, } Water Commissioners.  
HENRY RAWLE, }

## DETAILED REPORT OF RECEIPTS AND EXPENDITURES.

OFFICE OF THE WATER COMMISSIONERS, }  
ERIE, May 1st, 1871.

### STATEMENT OF RECEIPTS.

	TOTAL RECEIPTS REPORTED MAY 1st, 1871.	TOTAL RECEIPTS REPORTED MAY 1st, 1870.	TOTAL RECEIPTS IN YEAR, FROM MAY 1st, 1870 TO MAY 1st, 1871.
From Erie Water Works Loan,.....	\$475,000.00	\$400,000.00	\$75,000.00
" Water Rents,.....	19,408.70	8,038.14	11,370.56
" Debts contracted in account.....	196.41	47.76	148.65
" Damages Recovered,.....	200.97	.....	200.97
" Sundries Sold,.....	202.33	.....	202.33
" Sundries for Plumbing and Pipe Laying,.....	1,464.21	.....	1,464.21
	\$496,472.62	\$408,085.90	\$88,386.72



# STATEMENT OF EXPENDITURES.

	TOTAL EXPENDITURES REPORTED MAY 1, 1871.	TOTAL EXPENDITURES REPORTED MAY 1, 1870.	TOTAL EXPENDITURES IN YEAR, FROM MAY 1, 1870 TO MAY 1, 1871.
For Stand Pipe,.....	\$ 8,680.71	\$ 7,880.71	\$ 800.00
" Inlet,.....	28,488.69	28,486.69	2.00
Excavation at Lake,.....	12,586.84		
Repairs of Hill foot of Chestnut street,.....	211.93	12,513.62	739.90
Rail Road Switch at Water Works,.....	454.75	57,200.04	382.43
Engines,.....		34,935.32	572.16
Buildings,.....		323.48	1.00
Tools,.....		895.35	238.25
Printing and Advertising,.....	5,024.20	657.10	344.20
Engineering,.....		4,680.00	
Stationery and Books,.....	211.39		
Office, Furniture, Rent and Expenses,.....	1,693.72		
Exchange, Accommodation—Discount and Interest paid	475.47		
Express and Telegraph,.....	155.62		
Postage and Revenue Stamps,.....	235.36		
Salaries of Water Commissioners and Secretary,.....	11,887.59		
Horse hire and Team Expenses,.....	80.80		
Court Costs,.....	2.32	14,742.27	2,472.60
Service Pipe,.....	6,427.28		
Service Fittings,.....	5,887.86		
Street Connections,.....	8,739.52		
Fountains (in Parks),.....		21,054.66	12,443.40
Running Expenses—Waste, Packing, &c.,.....	268.52	3,237.98	
" Small Stores,.....	101.18		
" Oil, Tallow, &c.,.....	800.49		
" Alterations and Repairs of Engine,.....			
Boilers and E. & B. Apparatus,.....	772.89		
Engineers and Firemen,.....	6,677.06		
Gas Well No. 1,.....	121.60		
Fuel,.....	12,348.96	21,090.70	9,549.26
Laying Dis Pipe and setting Stop Valves and Fire Plugs	34,683.84		
Do. acc't of McConkey & Shannon, not yet fully audited,	6,413.08		
Fire Plugs,.....	5,587.67		
Stop Valves,.....	4,144.03		
Lead,.....	8,086.44		
Wooden Plugs,.....	17.65		
Paving and Street Repairs,.....	45.54		
Old Rope,.....	44.72		
Distributing Pipe, Mains and Branches,.....	104,324.48		
Do. Cleveland & Co.'s account, not yet fully audited,...	24,478.91		
Boxes,.....	894.86		
Hauling Distributing Pipe,.....	1,049.72		
Sewer Pipe,.....	44.50	189,795.44	30,567.23
Supt's Departm't—Shop and Tools and Repairs of Tools	116.34		
" Plumbers Stock,.....	197.60		
" Shop and Miscellaneous Work,.....	241.19		
" Testing Pipe,.....	199.98		
" Cartage,.....	29.50		
" Rep. Dis. Mains, St. Valves & F. Plugs	2,717.47		
" Altering Street Conn's on French St.	53.73		
" Small Stores,.....	33.72		
Gas Well No. 1,.....		159,528.21	
Discount on Bonds sold less Interest Received,.....			
Gas Well No. 2,.....		1,706.05	1,883.48
Repairs of Water Works Buildings,.....		1,515.00	1,822.96
Care of Water Works Grounds,.....		60,005.70	7,648.67
		3,700.83	3,700.83
		72.99	72.99
		3.00	3.00
	\$478,036.63	\$404,792.27	\$73,244.36

14,191.97  
963,844.96

Handwritten #7,890.71  
Bogomo 57,592.47  
Buildings 35,517.48  
Bogomo 4,180.00  
105,650.66

Total Receipts from May 1st, 1870 to May 1st,  
1871, forward,..... \$88,386.72  
Balance on hand May 1st, 1870..... 3,293.63  
\$91,680.35

Total Expenditures from May 1st, 1870 to May  
1st, 1871, forward,..... \$73,244.36  
Balance of means on hand May 1st, 1871, as follows:  
Water Works Bonds unsold..... \$15,000.00  
Credits contracted in account..... 363.28  
Bal. City Treasurer's note..... 250.00  
Cash on hand,..... 2,822.71 18,435.99  
\$91,680.35

I certify that the foregoing report is correct.

JOHN C. PERKINS,  
Secretary Board of Water Commissioners.

## STATEMENT OF STOP VALVES.

OFFICE OF THE WATER COMMISSIONERS, }  
ERIE, May 1st, 1871. }

The following statement shows the number of Stop Valves in, at date,  
with the size and the location of each:

STREETS.	SIZE IN INCHES.
On Walnut, south of Sixth.....	1 4
On do north of Eighth.....	1 4
In Engine House at Water Works.....	2 20
On Chestnut, north of Short.....	1 20
On do south of Seventh.....	1 4
On do north of Eighteenth.....	1 4
On do between Fourteenth and Fifteenth.....	1 4
On Myrtle, north of Fourth.....	1 4
On do south of Fourth.....	1 4
On do south of Tenth.....	1 4
On Sassafras, north of Second.....	1 4
On do north of Fourth.....	1 4
On do north of Seventh.....	1 4
On do south of Seventh.....	1 4
On do north of Tenth.....	1 4
On do south of Tenth.....	1 4
On do north of Eighteenth.....	1 4
On Peach, north of Fourth.....	1 4
On do south of Fourth.....	1 6
On do north of Seventh.....	1 6
On do south of Seventh.....	1 12
On do north of Twelfth.....	1 12
On do south of Twelfth.....	1 6
On do north of Fifteenth.....	1 6
On do north of Eighteenth.....	1 6
On do south of Eighteenth.....	1 6
On do north of Twenty-first.....	1 6
On Turnpike, north of Fifteenth.....	1 6
On State, north of Fourth.....	1 4
On do south of Sixth.....	1 4
On do north of Seventh.....	1 4
On do south of Seventh.....	1 4
On do north of Ninth.....	1 4

21 4  
3.20  
8.4  
21 12



STREETS.	SIZE IN INCHES.
On State, north of Tenth.....1	4
On do south of Tenth.....1	4
On do south of Eleventh.....1	4
On do north of Twelfth.....1	4
On do south of Twelfth.....1	6
On French, south line of Front.....1	4
On do north of Fourth.....1	4
On do south of Fourth.....1	4
On do north of Sixth.....1	6
On do north of Eighth.....1	4
On do north of Ninth.....1	4
On do north of Tenth.....1	6
On do south of Tenth.....1	4
On Holland, south of Fourth.....1	4
On German, north of Twelfth.....1	4
On do south of Twelfth.....1	4
On Parade, north of Tenth.....1	4
On do south of Tenth.....1	4
On do north of Eighteenth.....1	6
On Short, east of Chestnut.....1	4
On Second, east of Chestnut.....1	4
On do west of Chestnut.....1	4
On do east of Peach.....1	6
On do east of French.....1	4
On Third, east of Chestnut.....1	4
On do west of Chestnut.....1	4
On do east of Peach.....1	4
On Fourth, east of Chestnut.....1	6
On do west of Chestnut.....1	6
On do east of Peach.....1	6
On do east of Holland.....1	6
On Fifth, east of Chestnut.....1	4
On do west of Chestnut.....1	4
On do east of Peach.....1	4
On Sixth, east of Chestnut.....1	4
On do west of Chestnut.....1	4
On do west of Peach.....1	4
In East Park.....1	4
In West Park.....1	4
On Sixth, west of Holland.....1	6
On do west of Parade.....1	6
On Seventh, east of Chestnut.....1	12
On do west of French.....1	6
On Eighth, east of Chestnut.....1	4
On do east of Peach.....1	4

32-4  
12-4  
1-12

STREETS.	SIZE IN INCHES.
On Eighth, west of Peach.....1	4
On do east of State.....1	4
On do west of Parade.....1	4
On Ninth, east of Chestnut.....1	4
On do east of Peach.....1	4
On do west of Peach.....1	4
On do east of State.....1	4
On do west of Germantown.....1	4
On Tenth, east of Chestnut.....1	6
On do east of Peach.....1	6
On do west of Peach.....1	6
On do east of French.....1	6
On do east of Wallace.....1	6
On Eleventh, east of Chestnut.....1	4
On do east of Peach.....1	4
On do west of Peach.....1	4
On do west of Parade.....1	4
On Twelfth, west of Chestnut.....1	4
On do east of Chestnut.....1	6
On do at Erie & Pittsburgh R. R. Shops.....1	4
On do east of Peach.....1	6
On do west of Peach.....1	6
On Thirteenth, west of Peach.....1	4
On do west of Parade.....1	4
On do east of Parade.....1	4
On Fourteenth.....	
On Fifteenth.....	
Between Fourteenth, at Union Depot.....1	4
On Sixteenth.....	
On Seventeenth, west of Holland.....1	4
On Eighteenth, east of Cascade.....1	6
On do east of Chestnut.....1	6
On do west of Chestnut.....1	6
On do east of Peach.....1	6
On do west of Beech.....1	4
Between Beech and McClay, P. & E. R. R. private branches...2	4
On Nineteenth.....	
On Twentieth.....	
On Twenty-first.....	
On Twenty-second, west of Peach.....1	4
On Twenty-third.....	
On Twenty-fourth, west of Peach.....1	4
On Twenty-fifth, west of Peach.....1	4
On Twenty-sixth, west of Peach.....1	6

4-  
24  
32  
21  
77  
33

24-4  
13-6

20-  
77-4  
33-6  
3-12  
3-20  
116



# WATER MAINS DOWN MAY 1, 1871.

STREETS.	NO. OF FEET.	Size of Pipe in Inches.
On Short, branch to F. Plug.....	18	4
On do from Chestnut to Sassafras.....	1416	4
On Second, from French to Holland .....	681	4
On do from State to Peach.....	490	4
On Third, from Peach eastward.....	178	4
On Fourth, from Cherry to east of German.....	6024	6
On Fifth, from Cherry to Myrtle.....	2109	4
On Fifth, from Sassafras to a point between Holland and German.....	2611	4
On North Park, from Peach to French.....	820	6
On Sixth, from Walnut to a point near the canal... ..	920	6
On do from Water Commissioners' office to Peach	1549	4
On do branches to Park Fountains.....	390	4
On do from French to Parade.....	2198	6
On South Park, from Peach to State.....	424	6
On Seventh, from the centre between Cherry and Walnut to Walnut.....	369	4
On do from Chestnut to the centre between French and State.....	2755	12
On do from centre between French and State to French.....	204	6
On do from French to near Holland.....	526	4
On Eighth, from Poplar to Walnut.....	1440	4
On do from Chestnut to Parade.....	5140	4
On Ninth, from Weschler's Brewery near canal to Parade.....	5440	4
On Tenth, from Chestnut to creek east of Beech.....	8043	6
On Eleventh, from Chestnut to Myrtle.....	720	4
On do from State to a point between Peach and Sassafras.....	793	4
On do from French to Ash Lane.....	3640	4
On Twelfth, from State to Myrtle.....	1813	6
On do from Myrtle to Chestnut.....	726	6
On do from Chestnut to canal.....	2155	4
On Thirteenth, from Peach to Sassafras.....	690	4
On do from German to Wallace.....	1389	4
On Fifteenth, from Sassafras east.....	438	4
On Sixteenth from Peach to Sassafras.....	720	4

STREETS.	NO. OF FEET.	Size of Pipe in Inches.
On Seventeenth, from French to Holland.....	720	4
On Eighteenth, from Peach to Cascade.....	5899½	6
On do from Parade to Beech.....	2880	6
On do and through Warfel Farm to Phila- delphia & Erie cattle yards.....	3570	4
On Twenty-second, from Peach to Myrtle.....	1447	4
On Twenty-third.....		
On Twenty-fourth, from Peach to Sassafras.....	720	4
On Twenty-fifth, from Peach westward.....	349	4
On Twenty-sixth, from Peach to Myrtle .....	1440	6
Total on East and West Streets.....	73,854½ feet.	
On Cascade, from Eighteenth northward.....	791	4
On Walnut, from Sixth to Eighth.....	814	4
On Chestnut, from Water Works to Seventh.....	2341	20
On do from Sixth to centre of block between Sixth and Seventh.....	263	4
On do from Seventh to Eighteenth.....	3933	4
On Myrtle, from Fourth to Fifth .....	390	4
On do from Tenth to Eleventh.....	416	4
On Sassafras, from Blast Furnace to Fourth.....	1732	4
On do from Fifth to centre of block between Fifth and Sixth.....	165	4
On do from Sixth to Eighteenth.....	4760	4
On Peach, from Second to Fourth.....	741	4
On do from Fourth to Seventh.....	1170	6
On do from Seventh to Twelfth.....	1978	12
On do from Twelfth to Twenty-third .....	4018	6
On do from Twenty-third to Twenty-sixth .....	990	6
On do from Twenty-sixth to barn of Erie Passen- ger Railway Co. on Waterford turnpike. ..	910	4
On State, from Second to Fourth.....	741	4
On do from Fourth to North Park.....	611	6
On do from South Park to Seventh.....	222	6
On do from Seventh to Twelfth.....	1990	4
On do from Twelfth to a point between Fourteenth and Fifteenth.....	628	6
On Turnpike, from State to Peach.....	1000	6
On French, from P. & E. R. R. track to Fourth.....	1170	4
On do from Fourth to Seventh.....	799	6
On do from Seventh to Twelfth.....	1979	4
On Holland, from Fourth to Fifth.....	390	4
On do from Eleventh to Eighteenth.....	2770	4

STREETS.	NO. OF FEET.	Size of Pipe in Inches.
On German, from Eighth to Ninth.....	390	4
On do from Eleventh to Thirteenth.....	851	4
On Parade, from Sixth to Eighth.....	820	6
On do from Eighth to Eighteenth.....	3980	4
On Wallace, from Tenth southward.....	204	4

Total on North and South Streets ..... 43,957 feet.

Total on East and West Streets.....73,854½ feet

Total on North and South Streets.....43,957

117,811½ feet

To which add—

Branches to Fire Plugs.....	683 feet
Private branch of Tibbals, Shirk & Whitehead, 4 inch.....	134 do
do do E. & P. R. R. Shops on Twelfth, 4 inch....	250 do
do do P. & E. R. R. Shops, 4 inch.....	520 do
do do do Cattle yard.....	215 do
do do do on Lake track.....	125 do

Whole number of feet of Distributing Pipe laid.....119,738½ feet

## STATEMENT OF STREET OR SERVICE CONNECTIONS.

The number of street connections, or service connections, from main pipe to curb stone, which have been made in *all*, is 1320, and they are located as follows, viz:

On Wallace.....	3	On South Park.....	16
On Parade.....	55	On Seventh.....	55
On German.....	13	On Eighth.....	73
On Holland.....	26	On Ninth.....	11
On French.....	79	On Tenth.....	82
On State.....	110	On Eleventh.....	76
On Turnpike.....	8	On Twelfth.....	29
On Peach.....	175	On Thirteenth.....	28
On Sassafras.....	46	On Fourteenth.....	2
On Myrtle.....	13	On Fifteenth.....	4
On Chestnut.....	23	On Sixteenth.....	11
On Walnut.....		On Seventeenth.....	10
On Cherry.....		On Eighteenth.....	47
On Poplar.....		On Nineteenth.....	
On Liberty.....		On Twentieth.....	
On Plum.....		On Twenty-first.....	
On Cascade.....	5	On Twenty-second.....	14
On Short.....	7	On Twenty-third.....	
On Second.....	10	On Twenty-fourth.....	9
On Third.....	4	On Twenty-fifth.....	3
On Fourth.....	61	On Twenty-sixth.....	8
On Fifth.....	56	On Waterford Turnpike.....	9
On North Park.....	20		
On Sixth.....	59		1320



## STATEMENT

SHOWING THE NUMBER AND LOCATION OF FIRE HYDRANTS

LOCATION.	NO.
On McClay, at 10th.....	1
" Ash Lane, at 10th and 11th.....	2
" Wallace, at 10th, 11th and 13th.....	3
" Parade, at 6th, 8th, 10th, 12th, 15th, 16th and 18th.....	7
" German, at 4th, 8th, 9th, 10th and 11th.....	5
" Holland, at 2d, 4th, 5th, 6th, 8th, 10th, 11th, 15th and 18th.....	9
" French, at Front, 4th, 5th, 6th, 8th, 9th and 10th.....	7
" State, at 2d, 5th, 7th, 9th, 10th, 12th and 14th.....	7
" Peach, at 3d, 4th, 5th, 8th, 10th, 12th, 14th, 15th, 17th, 19th, 21st, 23d, 25th and 26th.....	14
" Sassafras, at 3d, 4th, 5th, 7th, 9th, 10th, 12th, 16th and 18th.....	9
" Myrtle, at 4th, 6th, 8th, 10th, 18th and 22d.....	6
" Chestnut, at Short, 3d, 5th, 6th, 9th, (between 12th and 13th,) 16th and 18th.....	8
" Walnut, at 4th and 8th.....	2
" Cherry, at 4th and 12th.....	2
" Poplar, at 12th.....	1
" Cascade, at 18th.....	1
" Twenty-sixth, between Myrtle and Sassafras.....	1
" Eighth, between French and State.....	1
" Seventh, between French and Holland.....	1
" South Park, in front of Park Church.....	1
" " " " " M. Sanford's.....	1
" North Park, " " " Reed House.....	1
" " " " " Farrar Hall.....	1
" Sixth, in front of Court House.....	1
Total.....	92

The uniform size of all these Hydrants is four inches.

Statement showing the number and the location of private four-inch Fire Hydrants in use in the city, May 1st, 1871 :

At Tibbals, Shirk & Whitehead's Iron Works, cor, 12th and Sassafras streets.....	1
" Union Depot, on north front line between Peach and Sassafras streets.....	1
" Davenport, Fairbairn & Co.'s Car Works on Cascade street.....	2
" Barr, Johnson & Co.'s Iron Works on State street.....	1
Total.....	5

## STATEMENT

GIVING THE NUMBER AND KINDS OF BUSINESS PLACES, &c.,  
SUPPLIED WITH CITY WATER.

The water of the Erie Water Works is supplied to

Families.....	943	Public Schools.....	3
Stores.....	110	Planing Mills.....	6
Butcher Shops.....	8	Oil Refineries.....	1
Private Fountains.....	14	Common Bakeries.....	3
Public ".....	2	Steam Bakeries.....	1
Orphan Asylum.....	1	Malt Houses.....	2
Barber Shops.....	17	Slaughter Houses.....	2
Saloons.....	32	Pump Factories.....	1
Printing Offices.....	5	Wood Factories.....	1
Offices.....	50	Lime Kilns.....	1
Mechanic's Shops.....	18	U. S. Custom House.....	1
Jail.....	1	R. R. Repair Shops.....	2
Livery Stables.....	8	Reading Rooms.....	1
Hotels.....	14	Car Works.....	1
Photographer's Rooms.....	5	Laundries.....	1
Breweries.....	5	Blast Furnaces.....	1
Gas Works.....	1	Express Co.'s Stables.....	1
Soap and Candle Factories....	1	Street Railway Stables.....	1
Court House.....	1	Brick Yards.....	1
Boarding Houses.....	12	Odd Fellows Lodges.....	2
Grist Mills.....	2	Masonic Lodges.....	2
Tanneries.....	4	Barrel Factories.....	1
Convent.....	1	Banks.....	8
Brass and Iron Works.....	9	R. R. Depots.....	1
Potteries.....	1	R. R. Cattle Yards.....	1
Mineral Water Factories.....	2	R. R. Round Houses.....	3
Churches.....	2		

# STATEMENT

SHOWING THE AMOUNT OF WATER PUMPED.

The subjoined table shows the amount of water pumped from April 1st, 1870, the date at which the registry was commenced, to April 30th, 1871:

1870.		GALLONS.
Engine No. 89, from April 1st to April 18th.....		10,112,580
do do 88, do do 18th to May 18th.....		17,971,020
do do 89, do May 18th to June 20th.....		24,511,680
do do 88, do June 20th to July 25th .....		33,556,860
do do 89, do July 25th to August 31st.....		36,367,020
do do 88, do September 1st to September 30th.....		29,415,780
do do 89, do October 1st to October 31st.....		31,673,160
do do 88, do November 1st to November 30th.....		29,709,540
do do 89, do December 1st to December 31st.....		33,331,320
1871.		
Engine No. 88, from January 1st to January 31st.....		39,651,120
do do 89, do February 1st to February 28th.....		33,201,900
do do 88, do March 1st to March 31st.....		28,393,920
do do 89, do April 1st to April 30th.....		29,883,960
Total number of gallons.....		377,779,860

949  
377779  
7553997  
199347  
25.