

## This PDF is part of the Philadelphia Water Department Historical Collection Accession 2004.071.0001 Frederic Graff Jr. Scrapbook, 1854-1857

It was downloaded from www.phillyh2o.org



cevating and niting in, but the empanaments will relain their natural height as near as possible, so as to avoid un necessary laber. The depth of water way is toward the inside embankment rising four feet above the water and alongs one and a half in one. The entire surface of the two sections will be covered with water-light pudding two feet in thickness, which will exceed underneath the height of one foot above the berisonially beyond it to a height of one foot above the berisonially beyond it to a height of one foot above the berisonially beyond it to a height of one foot above the height of the property of the height of h

various waterwor	s.—We give below the operations of the ks in Philadelphia for the quarter end-
ing mater of set	Wine gall's q deced ets
Mainmount work	s, January
Call mount work	February, 1174,876,454
THE PROPERTY OF THE	March,172,854,350 asha sphall
17 A 19 A 19 A 19 A 19 A 1	521,656,137
HIBOH Council.	Tannana 241,000,101
Delaware works,	January,
	February, 52.299,724
	WMarch, 59,822,406
select Coureil.	160,598,055
schuylkill works	A January, diam 82,451,260 bayou HA
(A. D., 1887.)	February, 95 171.840 at a base and 1
2.0 s. r.u.	HLGICH, 91,002,100
Philadelphila	10 TOYAM 274,975,260
Jornish engine,	January, 43,751,180
SERGIF TE	February, A.M. 47,596,816
and delland	March,
wit off L book ages	of of has 8 ages and 151,718 968
elsaine obtest	Coron A brein supply of our sunsering
Total	1,108,948,420
Making the da	ily average of consumption from these
works of 12 321.	649 wine gallons. HYAV
The operations	of the Twenty-fourth Ward Works was
ag follows	THE REPORT OF REPORT OF THE PARTY OF THE PAR
24th Ward work	s, January, 6,525.630
	February. 5 558 670
-miss, and instant	February, 5.558,670 March, 7.009,470
ST S Waster	19,093,770
The delly ever	age being 212,153 wine gallons.
Marin Carre	SOUTH MANAGEMENT OF THE COMPA

To connect the various pands, or supply reservoirs; with the main canal, the beads of the various outlet streams will be properly cleaned and graded, and the sides embanked, so as to form lateral canals. It is not necessary to give details as to the various bulkheads and weirs required, as our description of the works is intended for the general reader rather than for scientific persons. It is only necessary to say that all the plans and specifications have been submitted to and met the approval of A. W. Craven, DSQ. the Engineer of the Croton Department of our city.

In the property of the contraction of the main and lateral canals is not yet as construction of the main and lateral canals is not yet as construction of the main and lateral the Brooklyn Water Commission with the Council reconsider that portion of the signs to construct an open canal for the conveyance of the water part of the distance, and a covered conduit for the remainder. The objections to such a plan are innumerable, and the only argument in its favor is the saving of some \$400,000. The canal is calculated to supply 40,000,000 guilding the contraction of the contraction of two miles per known that rivers freeze with a current of city on miles per known that rivers freeze with a current of critical more frequently than on Long lated, the hour, you will not be filled up with snow, sans and other material is liable to be filled up with snow, sans and other material caning. Earth and sand, by diminishing the depth of the water, will not merely decrease its supply, but afford growth to grass and littles, which will impede its flow. We will not state that in construction of the scanal animals will be thrown into it by go, and and other single persons. The banks thrown up on the state and animals will be thrown into it by go, and and other signing persons. The banks thrown up on the state and the signing persons. The banks thrown up on the state and the conduit, but state that in construction of the covered conduit will not there are an animal ani

The western end of the conduit is situated 3,300 feet from the great distributing reservoir, and 165 below it, 80 from the great distributing reservoir, and 165 below it, 80 that the water will have to be forced up into the basin. This will be effected by means of two pumping engines, each of a capacity sufficient to the reservoir being three feet in diameter and of enormous strength these engines will be put in hand immediately. Preparations are now being made to erect the various buildings requisite in this department. They will consist of an engine house 100 feet by 60 feet, and a height of 45 feet, with a boiler house nearly the same size. There are other buildings in connection with them, which will form the subject of a report at such time as they are in progress.

This immense undertaking is now in a forward state, and will be completed during the present year. It is situated near to the Cypress Hill Cemetery, from which it is separated by a deep valley. From the works now going on a splendid view can be obtained of Jamaics, Rockaway, Concy Island, Sandy Hook and intervening country. The plot of ground on which the reservoir stands is forty-eight acres in extent, the reservoir covering twenty-six acres and capable of holding 167,000,000 of gallens. It will be much larger than any other in the States, as can be seen by the following table:

Distributing reference in the States, as can be seen by the following table:

Distributing reference in the States, as can be seen by the following table:

Other of the state of the state, as can be seen by the following table:

Other of the state of the state, as can be seen by the following the state of the state, as can be seen by the following the state of the state of t

## UESDAY, JUNE 9, 1857.

## THE BROOKLYN WATER WORKS.

The Great Ponds-The Open, Canal and Ob-

The Great Ponds—The Open. Canal and Objections to it—The Cond ait—The Largest Distributing Reservoir I a the United States, &c., &c.

The water works for the su oply of the city of Breeklyn have been in process of cons', ruction during a year, and are now in a sufficiently for, ward state of progress to give an exact idea of what they will be eventually. Nothing could better show the, ignorance of New York with regard to her sister city the an that no notice has hitherto been taken of this imme ness work; and the citizens of our city, who are so just'y proud of their Croton Department, will be astonished to hear that Brooklyn will, ere long, have not merely a far larger supply, but will be enabled to furnish the lower part of New York city with much advantage over its present supply, both as regards effective head and annual cost.

The principle of supply in these new works is different

The principle of supply in these new works is different from all others, and therefore may excuse the question why h is continually acted by New Yorkers. "Where are they going to get their water?" A chain of hills round why he centre of Long Island, and the country slepes of own on each side. All the water which falls or rises on the eastern side of this bacchone percolate downwards towards the ocean, but is caught up in its course by a number of the caught of them will be used for present demands, but additional supples can be added from time to time, to any extent, by comnecting other pends.

The property of you the fallest description of the entire of the caught of them will be used for present demands, but additional supples can be added from time to time, to any extent, by comnecting other pends.

The property of you the fallest description of the entire of the caught of the caught connecting the various pends; closed conduit from the canal to engine house; the distributing reservoir; the distributing mains to city.

The pends from which the present supply of water is to be obtained for known as follows by the inhabitants of the obtained for known as follows by the inhabitants of the obtained was the property of the canal control of the canal control of the canal canada, and the canada canada canada and the canada canada canada canada and the canada canada

id id the still it