

WATER REPORT

A special meeting of the Common Council was held Friday evening last, to discuss the subject of supplying the city with an abundance of good and pure water.

Ald. THOMPSON, Chairman of a select committee to ascertain by surveys and estimates the most feasible plan for bringing water into the city, reported progress to the Board, by presenting the following common action, accompanied by an accurate and faithful diagram of the work proposed in a 24-column diagram.

The diagram, we understand, will be made available to the City Hall, for the inspection of our citizens.

Ald. THOMPSON, in behalf of the committee, stated that they had given the subject considerable thought, and that the committee found on examination that hundreds of different projects had been deemed for bringing the necessary water into the city.

Ald. THOMPSON stated that the committee, finding that the plan proposed by the project presented, caused an accurate survey to be made of the city, and that the survey was being made at this moment to contract for doing the work, and give satisfactory security for its being done according to the plan and estimate which the committee had submitted.

REPORT

GENTLEMEN—Your communication of the 14th inst., directing me to proceed to give you my plans, surveys, maps and estimates as per my idea of supplying your city with water, by the Cobleskill and Hudson rivers, was duly received.

It is my duty to state, in reply to your letter of the 14th inst., that the quantity of water required for the city, and, secondly, the head of water at which the water must be delivered to command its more elevated portions.

Major DODGINS, in his report upon this subject, dated the 25th inst., estimates that at the year 1866, 82,769, and at 1870, 100,000 gallons of water are required respectively to one, two, three and four hundred inhabitants.

Allowing 30 gallons of water per day to each, it would appear that within twenty thirty forty two, and fifty years, there will be required three, six, nine, and twelve millions of gallons of water respectively.

The question here naturally arises, which of the three sources mentioned in your letter of instructions is the most available?

Secondly, as regards the required head, and how far it will be necessary to extend the water works, it is to be observed that the head of water at the city is 125 feet at the City Hall, and at lower parts of the city, say at the Esplanade, a head of 250 feet above the level of the street.

When we come to consider the main head of the water of the city, it is to be observed that the head of water at the city is 125 feet at the City Hall, and at lower parts of the city, say at the Esplanade, a head of 250 feet above the level of the street.

As regards the Cobleskill, any one familiar with its topography and scenery will be fully acquainted with the fact that it is a high hill of the village, known as Prospect Hill, the summit of which is 261 feet above the tide level.

This conclusion is reached by the experience of the city of Philadelphia, where, previous to the construction of the present works at Fairmount, a steam engine was used.

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of the stream can be greatly improved, for by collecting the waters during the 12 hours the mills are not in operation, and by inserting the improved Turbine instead of the present overshot and breast wheel, an increase of 75 per cent of power can be obtained.

Table with 2 columns: Item and Amount. Items include cost of works, labor, engineering, etc. Total amount is \$310,000.

And we have estimated the cost of a... of works as before... of labor... of engineering... Total amount is \$310,000.

For the whole cost of this project... This capital cost will be paid... by the water Commissioners of the city...

I have already a plan, in order to the other plan... I have already a plan, in order to the other plan... I have already a plan, in order to the other plan...

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estimated an area of 120 acres will be required, and the two, when the two reservoirs already in it and the aqueduct and pipes contain 150,000,000 gallons, in Easton the reservoir at Brooklyn is intended to contain 100,000,000 of gallons.

There can only remain to be considered the terms upon which can be obtained the privilege of utilizing 1,000,000 cubic feet of water per day from the hydraulic works of the Cobleskill river, and the rest, which will be charged for the power expended in forcing the water, in the absence of any instructions from the present and directors of the company, or any information, I am enabled to give...

Table with 2 columns: Item and Amount. Items include water power, reservoir, dam, etc. Total amount is \$331,000.

It will be provided that I have made no provision for land damages, and no provision as to a provision, with the exception of the occurrence of the water in the land, along the line have stated in the construction of the privilege of drawing from the main pipe...

The cost of conducting the water from the reservoir, and distributing it over the city by means of their pipes, will be added to the foregoing estimate of \$331,000 for the water power and the amount of the amount which will be required for the portion of the work but amounting as estimated, that the total cost would cost \$216,904 dollars.

I am enabled from my own experience of the superior economy of the industrial pipe to deduct 30 per cent from the above of \$216,904 which would give the estimate of distributing the water \$151,812 60. To this add the principal which will be required for the interest upon the advance of \$200,000 and we have \$171,812 60; the last sum exclusive of the maintenance of the cost of the project \$200,000 00.

I am now in a position to compare the relative value of the Hudson river, and the Cobleskill river, and to add thereto the amount of the amount which will be required for the portion of the work but amounting as estimated, that the total cost would cost \$216,904 dollars.

The object of my report, that the water of the Hudson river is not a good supply for the city of Albany, and that the water of the Cobleskill river is a better supply for the city of Albany, and that the water of the Hudson river is not a good supply for the city of Albany, and that the water of the Cobleskill river is a better supply for the city of Albany.

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