control of all the dams, or artificial obstructions above the Rockdale Mill where the supply is.

Manning

Cross Examined for the Complainant.

His duties are limited to the New Water Works, he has nothing to do with the water Works as at present existing. Mount Royal Reservoir and Chase Reservoir will eventually be done away with. Concerding that the City had control of all the dams above Rock Mill, he considered that such dams would be a decided benefit for purposes of Storage. In a dry season the dams answer to store up showers of rain, which would otherwise pass off into the basin. The City, then, having Control of the dams could suffer the water to pass off as it would be needed

Manning.

In Chief Again.

If the dam where the supply pipe is, is full and then the water is permitted to flow from the dam above, it would pass over the lower dam, and be lost. The purpose of the New Water Works is to furnish a supply to the points in the City which heretofore had no supply. Some of these points, particularly Madison Avenue, are densely populated. It will be more and more necessary that the City should have control of the dams, in a ratio as the supply and demand approach_ other.

Boggs.

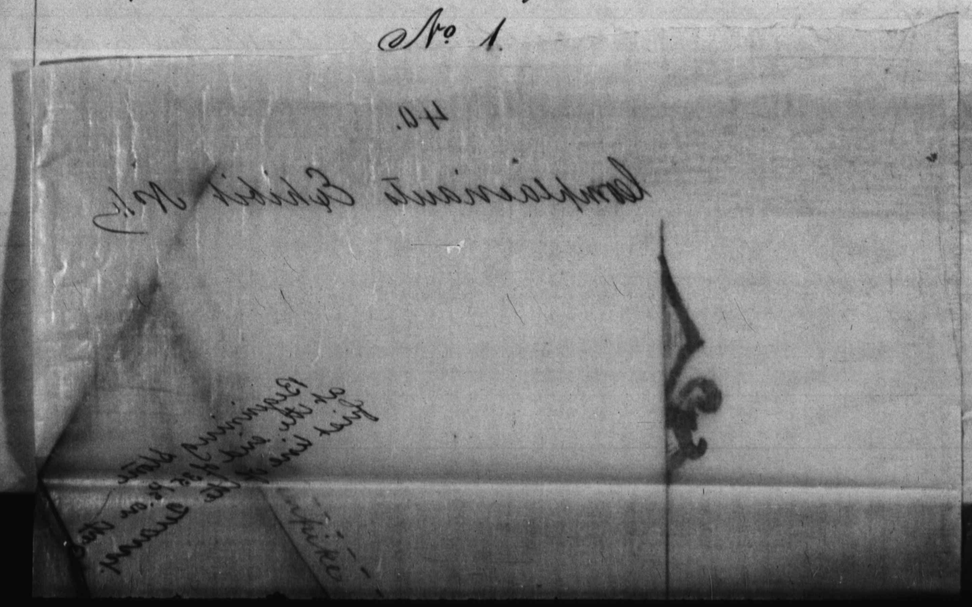
John S. Boggs a witness of lawful age, produced on behalf of the defendants, being by me first duly sworn on the Holy Evangely of Almighty God, makes oath, deposeth and saith as follows; that is to say:

The City supplies, the first January 1856. were ten thousand four hundred and forty two. At the present time up to the first of December, they have amounted to twelve thousand nine hundred and seventy nine. A supply is the quantity of water taken by each person. Sometimes one Hydrant supplies from three to four, to a dozen families; in which case each family is counted a supply. Increase of supply will give the increase of the water use. If in 1856. there were four Millions of gallons need used, the increase of the quantity to be used, will be in proportion to the increase of supply.

Henry R. Duany.
Commissioner

The Complainants Exhibits, Nos 1. 2. 3. 4. 5. 6. 7. 8. 9. 10 referred to in the Commissioners said return, are as follows, to wit:

No 1.



X

Complainants Exhibit No. 2.

The 2nd Question asked me to answer is -

What quantity of water will discharge in 24 hours through a pipe of 30 inches diameter, 4000 feet long - 3 feet head and 10 feet full.

Rule. Multiply the height in feet by the constant number 2500, divide this product, by the product of the length in feet into 13.88, divided by the number of inches of diameter of the pipe, and the square root of the quotient will give the velocity in feet, per second.

2500 x 13. = 32500

13.88
4000
30) 555.20.00
1851 nearly

1851) 32500 (17.6 (4.2 nearly being equal to the velocity of water in the pipe in feet per second.
16.
82 | 0160
164

then $\frac{30 \times 30 \times .7854 \times 4.2 \times 12}{2} = 13.324.608$ Galls. discharging in twenty four hours.

Wm Lawson Jr.

Complainants Exhibit. No 3.

Office of the Water Board
Nov. 19th 1858.

James S. Suter, Water Engineer

Sir - You are hereby directed to strip the Dam at Rockdale Mill so as to prevent any obstruction to the flow of Water, and this shall be your full authority.

Committee of the Water Board.

Adam Denmead
Columbus O'Donnell
F. Lilly Shaffer.

True Copy
James S. Suter.

Complainants Exhibit. No 4.

Balto. June 10th. 1858.

Col. Geo. P. Kane -

Sir - I am directed to say to you that before using the water at Rockdale Mill, you will call and make arrangements for the same as to the price you will be charged pr. Annum, by the Water Board.

Yours Respectfully
W. Stephenson, Registrar.

Complainants Exhibit (5)

State of Maryland, Baltimore County, to wit.

At a Circuit Court of the Sixth Judicial Circuit of the State of Maryland, begun and held at the Court House, in the City of Baltimore, for the County aforesaid, on the fourth Monday in November, being the twenty fourth day of the same Month in the year of our Lord one thousand eight hundred and fifty six,

Present
The Honorable - John N. Price, Judge
William Pole Esq. Shff.
Henry M. Fitzhugh Clerk.

among other were the following proceedings, to wit: