

→\*ANNUAL REPORT\*←

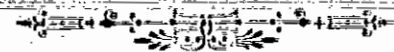
OF THE

TOWN OFFICERS

OF THE



TOWN OF KINGSTON,



FOR THE

Financial Year Ending February 28th,

\* 1885. \*

WITH THE REPORT OF THE

SCHOOL COMMITTEE,

FOR THE SCHOOL YEAR, 1884-85.

BOSTON :

GEO. B. KING, PRINTER,

105 SUMMER ST.,

1885.

REPORT  
OF THE  
COMMITTEE ON WATER SUPPLY.

KINGSTON, MASS., JAN. 31, 1885.

TO THE CITIZENS OF THE TOWN OF KINGSTON:

GENTLEMEN:

The undersigned, a committee appointed by a meeting of the town, held March 31st, 1884, to look into the matter of a supply of water for the town and report to a future meeting, beg leave to submit, as the results of their labors, the following report.

Having employed practical engineers who are thoroughly informed in the matter of aqueducts, and who have large experience in all the details of the business of introducing water into towns, and having with them carefully investigated every available source of supply within the limits of the town, it is the unanimous opinion of your committee, supported by that of the engineers employed, that the following system of water works would be the best as well as the cheapest that can be adopted, and at the same time insure an adequate supply of water of excellent quality for all family purposes.

Purchase the franchise and property of the Kingston Aqueduct Company, which now supplies water taken from Cuff's Spring to a limited number of families in the immediate vicinity of that spring.

Purchase the water power and factory owned by Herbert Soule, on Jones River, near the property of the Kingston Aqueduct Company.

Construct what is called a Filtering Well, say about sixty feet long, by fifteen feet wide, by fifteen feet deep, at or near the site of Cuff's Spring.

Put a proper pumping apparatus in Soule's mill, connecting the draft-pipe with the Filtering Well, thereby using the spring water for distribution to the town and the power of the river water for the purpose of driving the necessary machinery.

This pumping apparatus to be so arranged that water can be pumped direct into the street pipes, in case of any accident to the reservoir, or in case greater than the usual pressure should be wanted to extinguish a fire in the most elevated portions of the town.

Construct a reservoir of 1,000,000 gallons capacity on elevated land near Smelt Pond. This reservoir would supply 1500 persons thirteen days, allowing fifty gallons of water per day to each person. It would give the following head of water at different parts of the town as follows:

Railroad track near Cordage Works,	feet,	175
Street at Plymouth line,	"	154
Main Street, near Cobb & Drew's,	"	186
Street in front of Elbridge Atwood's House,	"	125
Corner of Lucas road, near Stone bridge,	"	187
Street in front of Post Office,	"	132
Street opposite Soldiers Monument,	"	117
Junction of New Road and Main Street,	"	113
Anchor Forge,	"	169
Patuxet House,	"	125
Railroad Station, Stony Brook,	"	170
Junction of Duxbury roads, near R. G. Berry's,	"	117

Augur Works,	feet,	177
Top of bridge flooring at Lock Works,	"	178
Junction Lucas and Indian Pond roads,	"	158
Indian Pond,	"	73
Smelt Pond,	"	99

Connect the reservoir by pipe with the pumping apparatus at Soule's mill. Pipe Main street and the Bridgewater road from the Plymouth line to a point near the residence of Andrew Norton; Depot street from the Post Office through Stony Brook to the junction of the Duxbury roads near the house of R. G. Berry; Green street from the Bridgewater road to the Patuxet House; Willis street and Mutton Lane, so called, and such other streets as it may be practicable to pipe, with suitable sized pipes varying from eight to four inches in diameter, according to necessity. Hydrants to the number of forty to be placed at proper points for the purpose of extinguishing fires.

Your committee have full faith that the source of supply of water under the proposed arrangement of a Filtering Well will be ample for all demands that can possibly be made for water for domestic purposes, but in the possible event of a failure of the supply, you have always the river at hand, the water of which can be filtered and made very good, much better in fact than that furnished to many cities and towns in the country. By piping the streets of the town, as herein proposed, the pipes will pass by, or within reach of 279 tenements and 109 stables, thereby enabling a large proportion of the inhabitants to enjoy, if they desire, the benefits of a supply of water at a pressure sufficient to carry it to the top of the highest dwellings.

Your committee find that provided the franchise and property of the Kingston Aqueduct Co., can be purchased at a reasonable price, this system of water works including reservoir, piping, hydrants, water power and everything complete, can be put in at an expense to the town of not exceeding \$40,000, and that the same can be completed in sixty days from the date of execution of a contract to do the work.

Should it be deemed advisable to do without a reservoir, and

pump direct into the pipes, as is done under the Holley system of water works, adopted by many towns, a saving can be made over the above estimates of at least \$5,000, and the works can be put in a cost of not exceeding \$35,000. The bonds of this town for the amount necessary to pay for the works can be placed at a rate of four per cent without doubt.

Provided the works cost the sum of \$40,000, the interest on the debt created would be \$1,600 per year, and it is the opinion of your committee that the receipts from water takers would soon not only pay this annual interest in addition to the running expenses, but accumulate in a reasonable time a sum sufficient to pay the entire water debt.

We would, therefore respectfully recommend that the town take immediate action in this matter by the appointment of a committee with powers to make application to the present Legislature for such charter or bill as may be necessary to enable the town to obtain a water supply, and to issue its bonds in payment of the construction of the works herein described, or such modification of them as circumstances may make necessary.

H. K. KEITH,  
GREEN EVANS,  
STEPHEN HOLMES. } *Committee.*



## ❖ ANNUAL REPORT ❖

OF THE

## ❖ TOWN ❖ OF ❖ KINGSTON, ❖

FOR THE YEAR ENDING FEBRUARY 28,

❖ 1886. ❖

