

sitions with the accompanying documents, and ask that the same be read and referred to some one of your special committees for further investigation:

As you will see by the accompanying papers, we have secured water that can be utilized on the lands named in our former petitions, and it is our intention to place them there. Contiguous to these lands we have a valuable road, or drive-way, which, when completed, will contribute very largely to the benefit and pleasure of the public. We have assurances from very many of our pleasure-seeking citizens that they will help support by their liberal contributions to this enterprise, if sprinkled and kept in good condition, and it is intended to line this drive-way with trees.

It is said that these lands asked for by your petitioners, as also other high lands above a certain water line, are being dedicated to the public because of no water to supply them with, if sold to the public.

Now, your petitioners would respectfully represent that they are perfectly willing to receive these lands in their arid state, without any expectation of the city ever extending water to them, as your petitioners have secured certain water rights which will furnish an abundant supply for these lands. We therefore make the following proposition: That we will exchange water right, acre for acre; that is, we will give an acre of water right, not to exceed five hundred thousand gallons per acre per year, for each and every acre of land lying within the west half of the northwest quarter of section 30, township 1 north, range 1 east, and that portion of land lying within the east half of section 25, township 1 north, range 1 west, Salt Lake meridian, which may hereafter be designated and agreed to, not to exceed two hundred acres. Said water right to be an undivided interest in the canal when completed, conveying the water from below the Hanauer smelter in the Big Cottonwood channel to Salt Lake City.

If these propositions are accepted by your honorable body we have good reason to believe that the aforesaid waters can be brought into the city this present season, and thereby save much distress to a suffering public.

We respectfully hold ourselves open to further investigation on this subject, and trust that our proposition will be fully considered.

PRATT BROS. CO.

The following is the report of the engineer employed by the Pratt Bros. Company:

I have the honor to report as follows: Regarding your water supplies and cost of utilizing the same.—The water supply, intended for the higher lands, is at an elevation of over eight hundred and fifty feet above the Temple block. There is a permanent right sufficient for over fifty acres. By a storage of the winter waters the supply can be made sufficient for about four hundred acres, being more in ordinary seasons. The cost of utilizing is as follows:

One reservoir, masonry center wall, first class in every respect, holding 250 million gallons, will cost not to exceed.....	\$45,000
Two miles of iron pipe.....	35,000
Seven miles of brick culvert.....	50,000
Realty and trestling.....	10,000
Incidentals.....	10,000
Total.....	\$150,000

This is certainly an outside estimate and provides for every feature being first class in every particular. One hundred and fifty thousand divided by 400 equals \$375 per acre. As it is a gravity supply, and well built at first, the cost of maintenance would be small. The water is good, and as reliable in its flow as any other mountain stream. The water is not now obtained by the city. The supply is computed at twenty inches over the 400 acres, during twenty weeks, which is the standard used by the best engineers for Utah. The water can very much cheaper be placed on farms nearer by, but as it can be taken into the city I recommend that you endeavor to use it in that way. By charging a reasonable advance on the cost you could thus water 250 acres on the bench east of City Creek, now dry, and yet retain sufficient to water 150 acres of the lands near Ensign Peak. The other water supply you possess includes the water that flows through the Hanauer wheels, which averages about twelve million gallons per day. This supply is permanent and sure, and will water 2000 if not 2500 acres, being ample to supply all the ground that could be reached by means of a canal to Salt Lake City, without taking in lands north and west of the city. My preliminary work gives the course of the canal as along West Temple Street to Roper Street, the south line of the city; thence east on Roper Street to the State Road, thence on the State Road to Ninth South Street. Of course minor diversions from this route will be made to reduce cost of construction. You could water about 800 to 1,000 acres that now receive water from Mill Creek, Parley's Canyon and the Salt Lake and Jordan canals. If the city owned the canal, they could furnish this ground with an ample supply of water, and convey the water saved into the city through the Parley's Canyon and Salt Lake and Jordan canals. In the estimate I do not include the lands lying north of Ninth South Street. It would practically water all lying west of Fifth West Street. Should it be required for pumping, the water could be pumped from the intersection of First East and Ninth South streets. The slope given the canal in these computations is 2.64 feet per mile. Your water just mentioned is at such elevation as to deliver it on high lands across the Jordan, at one certain point, and thence it can be taken to many arid farms, where it can all be utilized.

Should you wish to, this water can be pumped from Ninth South Street to the Ensign Peak flats at a cost after the plant is in of \$10 per forty feet lot per season, giving all needed to irrigate the lot and give a

house supply, which is, I believe, about the water tax in the city proper.

You certainly own very valuable waters, which, as far as I have investigated, seem to be the only large supplies of good water easily obtainable for use in Salt Lake City and vicinity.

Very respectfully submitted.

M. F. STURGES, C. E.

SALT LAKE CITY, Utah,

July 1st, 1889.

I hereby certify that I have in a professional capacity examined thoroughly the water plant proposed by Pratt Brothers Company to irrigate the high lands near the city. I would estimate the cost at not over \$150,000 to bring in the water for at least 400 acres, during such dry seasons as the present.

The water can be delivered by gravity over all the ground lying below points lying 700 feet above Temple Block, which will place it on all the ground lying south and east of Ensign Peak, known as the Ensign Peak Flats.

The water is not now being used by the city. The whole plan of the scheme is thoroughly feasible and practicable.

M. F. STURGES, C. E.

That portion of the petition which relates to lands was referred to the committee on improvements, and the remainder to the committee on irrigation.

On motion of Mr. Riter the petitions and protest previously filed by Pratt Brothers were taken from the table and referred to the same committee.

The Salt Lake Gas Company presented a petition asking that, as the city was growing rapidly, and the demand for gas was increasing and would soon exceed the capacity of the present plant, a franchise of fifty years be granted the company in order to enable them to sell bonds to the amount of \$200,000, which sum would be needed to make the necessary improvements. Referred to the committee on streets and improvements.

Herbert Pembroke submitted the following:

Last week your petitioner presented to you an application for the extension of the city water mains to his residence, on the corner of Second North and Second West streets.

Said application was promptly tabled. Later in the evening an application for a similar extension was received from some other source, and this latter application was referred to the committee for action.

Your petitioner is at a loss to understand such action on your part, and respectfully prays for an explanation.

Application for the extension of the water mains to the same locality as formerly indicated—Second North and Second West—is hereby made again with the hope that it will receive the attention it is entitled to.

Referred to the committee on waterworks.

Six liquor licenses were granted.