

CITY WATER

Its Amount and Its Availability.

ENOUGH TO SUPPLY 56,000 PEOPLE

The Actual Consumers Should Pay for the Water.

ABLE PAPER BY HYDRAULIC ENGINEER CHARLES L. STEVENSON.

HOW THE CITY COULD MAKE MONEY.

City Creek Can be Made to Produce During the Season of Least Flow from Ten to Twelve Million Gallons Daily—Facts and Figures which Show This to be True.

To the Chamber of Commerce, Salt Lake City.—GENTLEMEN:—As a partial response to the published request of Governor Thomas for information on irrigation matters, for use of "Geological Survey" to that of your Secretary that in the same time send to your Board the facts concerning "water supply of Salt Lake City," I present herewith:

First—Mapa showing the drainage basins of City Creek, Dry Canon, Red Butte and Emigration creeks.

Second—Data collected from time to time concerning the requirements and supply of Salt Lake City for water for domestic, manufacturing, irrigating and public purposes.

Third—Mapa showing the drainage basins of City Creek, Dry Canon, Red Butte and Emigration creeks.

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SOURCES OF WATER SUPPLY.

Salt Lake City has within its corporate limits an area of about six and one-half (6 1/2) square miles exclusive of streets, all of which sooner or later will require the full quota of water for domestic and other uses of a great city.

How much of the waters of City Creek it is practicable to store requires more extended surveys and examinations than I have been able to make.

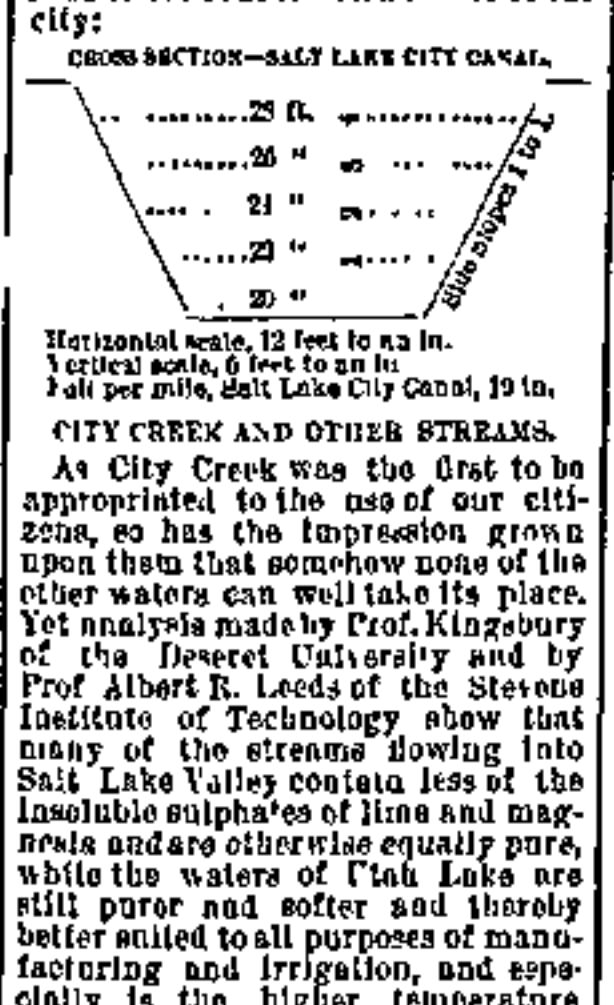
EMIGRATION AND RED BUTTE CREEKS WATER-SAVED AND YIELD.

PARLEY'S CREEK.

TABLE No. 1.

TABLE No. 2.

TABLE No. 3.



As City Creek was the first to be appropriated for the use of our citizens, so has the Impresario grown upon them that somehow none of the other waters can well take its place.

But City Creek, whether its waters be as good or not, is nevertheless, with or without storage, a magnificent source of supply.

From this table we learn that for twenty-three years past the average annual fall in the valley has been 17.79 inches, and the smallest amount recorded, 10.91 inches in the year 1850.

Upon the water-shed maps heretofore presented, is also given the elevation of the mountain summits above sea level.

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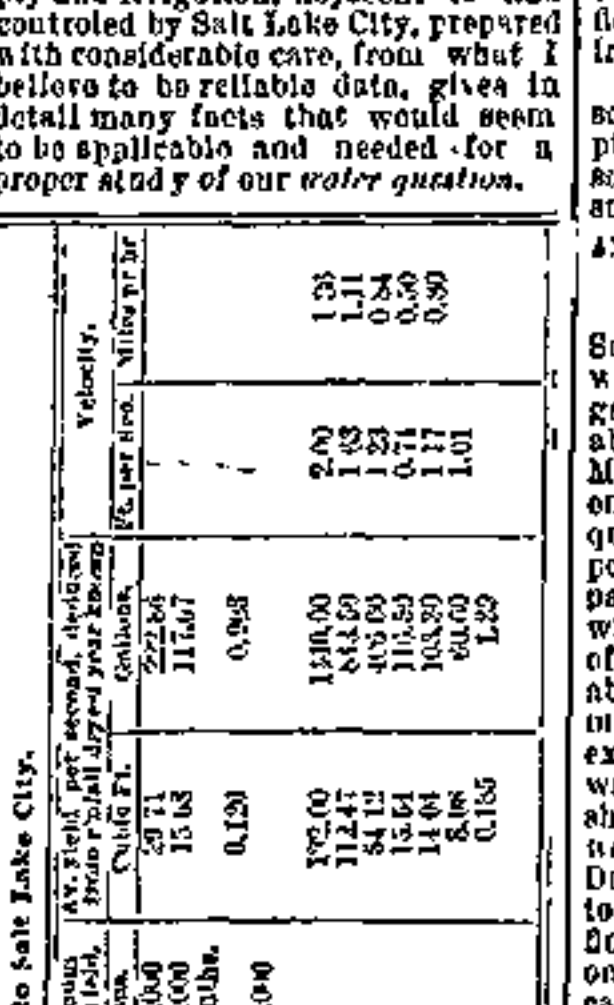
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As the result of the examinations of our present sources of water supply, we find that practically there are but four belonging to or controlled by the city to be relied upon.

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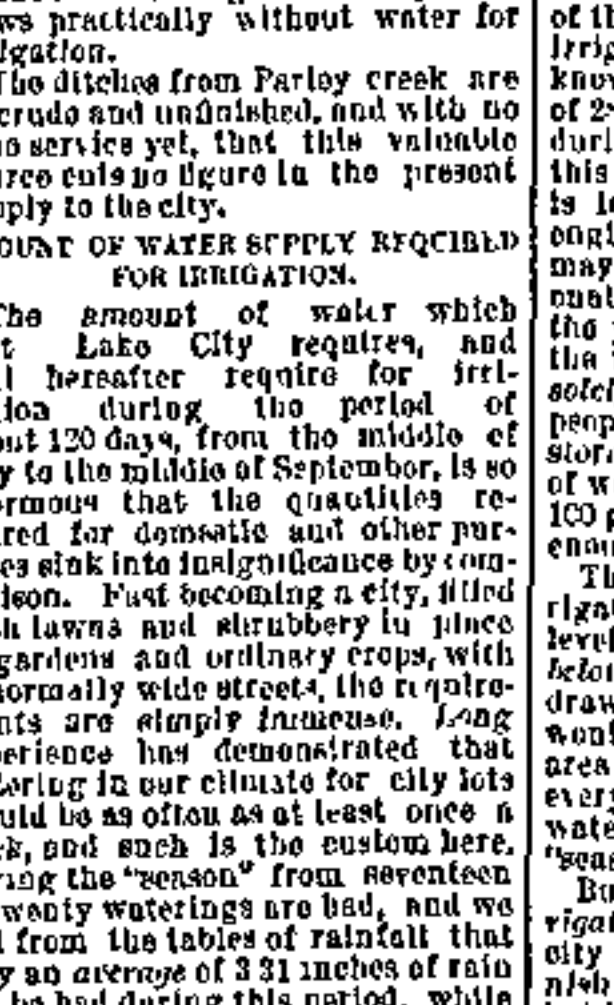
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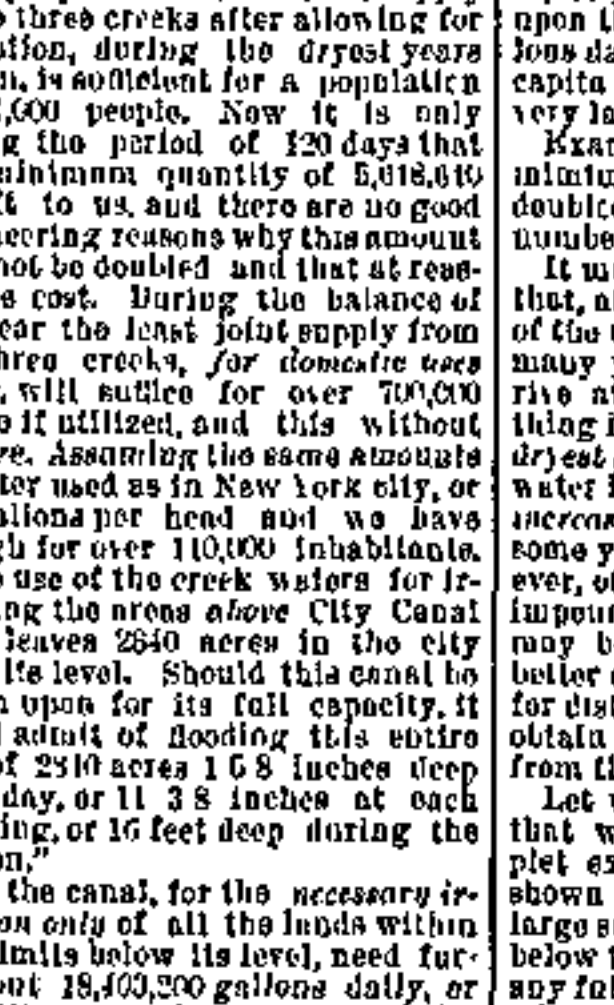
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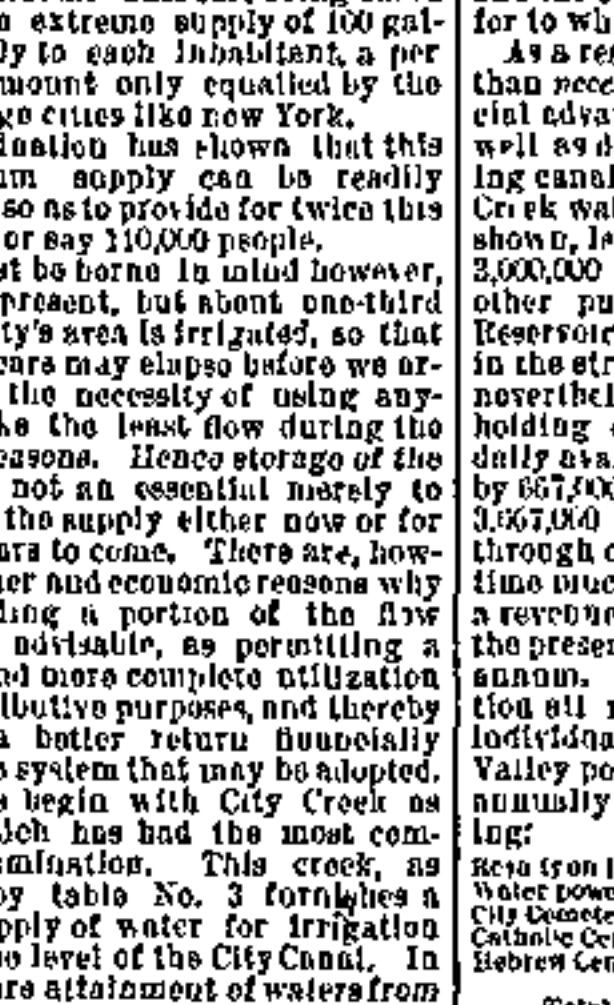
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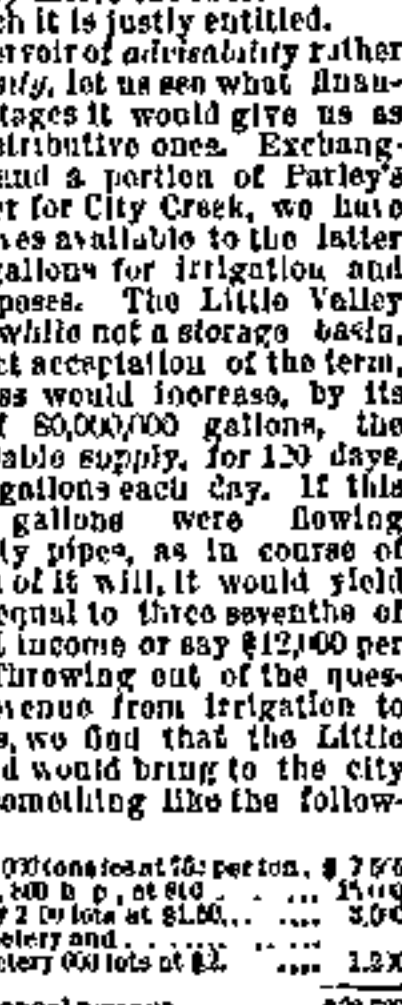
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