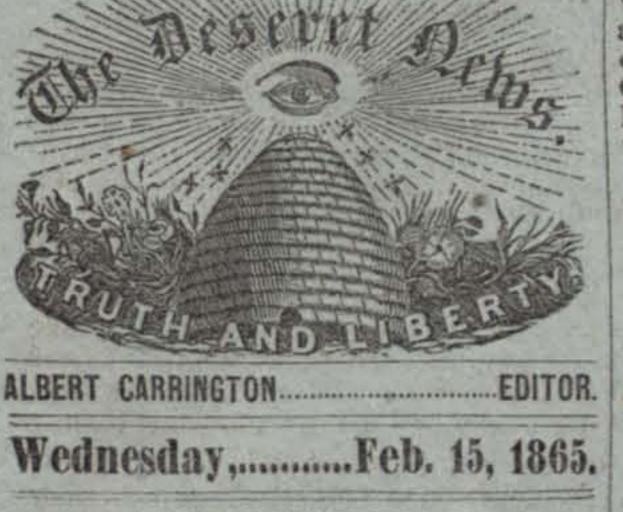
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DESERET NEWS. THE



IRRIGATION.

A mass meeting of the citizens of Great Salt Lake County, living on the East side of the Jordan river, was held on Saturday, Feb. 4th, 1865, in the Tabernacle in this city, to organize a company for the construction of an irrigation canal, according to the provisions of "An Act to incorporate Irrigation companies," passed Jan. 20th, 1865, and published in the NEWS of Feb. 1st, 1865. At that meeting, Twelve Trustees, a This Board afterwards held a meeting, elected a President, and appointed three of their number a committee to make a Report embodying the estimates required of the board of Trustees in that part of Section 3 of the before-mentioned act which reads as follows: "Itshall be the duty of the Trustees, so elected, * * *

water.

Six or eight feeders from the various creeks and streams will be required to supply the Canal, also a number of al, your Committee deem it improper loose temporary gates, to dam up the to include that amount in this estimate. waters of the Canal and preserve them in case of a break in any part of it, and a large number of sluice ways of various dimensions, to convey the waters from the Canal into the various channels for irrigation purposes.

In regard to the estimates for the excavation and material for the above work, your Committee would respectfully represent, that, although they have availed themselves of the most reliable authorities and statistics, and have consulted the best informed and most practical gentlemen in this city, and on the line of the proposed Canal, that they find it impossible to give any other than an approximate estimate of a work so extensive, embracing such a variety of materials to be exca-Secretary and a Treasurer were elected. vated, and such varied circumstances attending the crossing of creeks, many of the difficulties, of which, can not be foreseen, and may require a larger amount than is herein specified, to proteet them from the fierce erratic influence of our rushing mountain streams. Similar difficulties attend the excavation. There is in many parts, immediately beneath the surface, a species of conglomerate called "hard pan," which is very difficult to penetrate, while in other places it is very easy digging. Two estimates have been given us, one by Mr. John Sharp, and the other by Chief Engineer Fox; one predicated upon an average of different kinds of cutting, the other calculated from the cost of the different kinds of cutting on the route; the difference in their estimates for the whole excavation was not more than two thousand dollars. As it regards the construction of the dam in Jordan we can, at present, form no reliable estimate. The cost of that work will depend materially upon the manner of its construction. From fifteen to twenty thousand dollars will, in our estimation, make a very good substantial dam. It is proper to observe, however, that the "Jordan Irrigation Company" will be expected to perform part of this labor; how much, or whether that company will be prepared to perform that labor in time for the completion of this Canal, your Committee cannot at present determine. It would only be reasonable to suppose that, in case we built the dam, the aforesaid company should refund a proportionate amount of the expense incurred in its construction. It is also very difficult to determine the cost or the excavation round the point of the mountain, as it is very steep and gravelly; your Committee have, however, considered this, and have, therefore, placed a very high price upon this cutting; and are hopeful that the estimate will cover the expense. The following is an approximate estimate for the Deseret Irrigation and Navigation Canal. For Excavating Canal and Locks, 20 feet wide, 3 feet deep, between the terminus at the N. E. corner of the 13th ward, G. S. L. City, and Little Cottonwood, 121 miles, \$110,000,00. For construction of the Dam, on the Jordan river, \$20,000,00. For materials and work upon ten \$40,000,00. Locks, For 10 Waste-weirs, \$10,000,00. For Sluice-ways, \$4,000,00. For Flumes to cross Willow Creek, Dry Creek, Little Cotton wood, Big Cottonwood, Mill Creek and Big Kanyon Creek, varying from 40 feet to 132 feet \$40,000,00. in length,

waste wiers, to guard the locks, placed Little Cottonwood Districts, Jordan a little above the locks, to allow any bottoms, Willow creek, and the 3,000 extra water that may come down the acres of unsurveyed land, will make a Canal to overflow, and thus protect the total of 24,750 acres, to be watered; but locks from danger in times of high as the 3,000 unsurveyed is not yet taken, the full amount we can calculate upon, Six large and several smaller waste is 21,750 acres. Thereare, as per report, weirs will also be required at the several some two hundred acres on the East creeks and main water sects, to convey side of Jordan (and consequently part superfluous water to the creeks and sects, of the Irrigation District) including a and thus protect the banks of the canal. | number of city lots, not mentioned in the above estimate; but as they are expected to irrigate from the Jordan Can-

RECAPITULATION.

For Construction of Dam Excavating Canal and Locks, Materials and work upon 10 Locks. For Waste-wiers of various kinds, Materials and Labor on 6 Flumes,

There should be deducted from the above \$30,000, for uncultivated land, and from five to ten thousand on the dam to be assessed on the "Jordan Irrigation Company," say \$7,500, which will reduce the amount to be provided for \$37,500-and will leave the amount to be expended, by the people of this District, \$365,500.

All of which is respectfully submitted.

JOHN TAYLOR. Jos. A. Young.

\$20,000

\$284,000.

\$40,000

\$19,000 \$40,000.

\$103,000.

[February 15, 1865.

this work is absolutely required for the growth and development of our city and county. We need more water for our fields and orchards, and for the land which we desire to bring into cultivation. Unless more of this necessary element is brought into our city, we will soon be in such a condition that the increase of our population must stop, or we be subjected to privations that would be most inconvenient and disagreeable to bear. It is not necessary that we should submit to this scarcity of water. There is an abundance of water in our land, if properly used, to supply every want. We have in Utah Lake an unequalled reservoir already provided by nature, which we have but to stretch forth our hands and tap to have such a supply of water-and that of the best kind for the purposes we want, being very rich in fertilizing matter-as will gladden and enrich our soil, and make it teem with grain, vegetables, fruit and every production that we may wish to raise for our use and comfort.

Besides, by the construction of a Canal to bring the water from this reservoir, or from its outlet, the river Jordan, we can have a water communication between this valley and Utah valley which will facilitate intercourse and the interchange of commodities and products, and obviate the wear and tear of teams and wagons-a mode of communication, which, at the present time, is so expensive. That portion of the Canal which it is the expectation of the Trustees to have finished the coming season, namely, between this city and the Little Cottonwood, will furnish a means of transportation which we imperatively require from the granite quarry that has been opened in that kanyon. We have proved to our satisfaction that the hauling of rock from that quarry by teams is a very expensive business. Yet there is the rock which we need in this city, and which we must have, to build the Temple and to beautify and adorn the city by supplying material to erect public and private buildings, to lay foundations, and the other numberless purposes to which a handsome, durable stone can be applied. BRIGHAM YOUNG,

determine the amount and quality of the land to be benefitted thereby, [i. e. by the Irrigation canal,] to estimate the cost including dams, flumes, locks, waste-wiers and all the appurtenances belonging thereto." That committee made the following report:

To the President and Board of Trustees, of the Deservet Irrigation and Canal Company:

GENTLEMEN:-Your Committee, to whom was referred the cost of excavating the Canal, constructing the dams, locks, wiers, aqueducts and sluices on said Canal, the probable amount of land not now in cultivation to be benefited by its waters, together with the amount of land to be taxed, now owned and needing irrigation, beg leave to submit the following report:

We find by the survey of Mr. Fox, Chief Engineer, that the Canal is thirtytwo miles and one-fourth of a mile in length, commencing at a point a little below the Indian Ford, at the north end of Utah Valley, running through Willow Creek settlement, and crossing Dry Creek above the Territorial road: Little Cottonwood, near Union Fort; Big Cottonwood, a little east of Bishop Brinton's; Mill Creek, between the upper and lower County roads; Kanyon Creek, on the west side of the County road, near the Sugar House, and thence northerly, through the five-acre lots. thence through the First, Tenth, Eleventh and Twelfth Wards, to its present terminus; opposite the northeast block of the Thirteenth Ward, near Mr. Camp's house. The Canal is to be twenty feet wide, at the bottom, with a slope of one base to one perpendicular, or an angle of forty-five degrees. It is to be excavated three feet in depth, and is calculated to draw three feet of water, with a capacity for four feet, which will make it twenty-eight feet wide at the top. From the river Jordan to Kanyon creek there will be a descent of twenty inches to the mile, from Big Kanyon creek to this city it will be a dead level. There will be required a heavy substantial dam in the river Jordan, with flume and gates to protect the Canal at its entrance, also ten locks, varying from six to ten feet in depth of fall between the entrance and terminus of the Canal. It is proposed to build these locks of plank and timber, they will be fourteen feet wide;-twelve feet wide at the gates-seventy feet long, and between the gates, inside, in the clear, forty-five feet long. The whole depth feet.

JOHN SHARP.

"The following is the estimated amount of land in the Deserct Irrigation and Navigation Canal district:

In City lots,	e the			1		2000 a	eres.	
In Five Acre lots	-				1	3000	- 44	
In Ten Aere lots,	2	- 1				6000	41	
In Big and Little	Cotto	nw	700	ds.		8560	44	
In Jordan Botton				-		1200	46	
In Willow Creek	199					1000	. 44	
In Unsurveyed I	ands,	-				3000		
						24,760 acres.		

The above report includes 1700 City lots, 600 Five Acre lots. 600 Ten Acre lots.

P. S.-There are some two hundred acres on the east side of Jordan and west of City lots, not included in the above report of City lots, as the occupants are interested in and expect to irri-gate from the Jordan Irrigating Canal. G. S. L. City, Feb. 7, 1865. JESSE W. FOX.

This Report was presented to the Board of Trustees and was accepted by it. To comply with the remaining portion of Section 3 of the Incorporation Act where it says, that "It shall be the duty of the Trustees so elected to * estimate * * * *

the amount per acre, or the per centage on taxable property which will be necessary to construct the same," etc., a Resolution was unanimously adopted to the effect "that one hundred dollars be charged as a tax on each city lot in Great Salt Lake City, and one hundred dollars on each five acre lot and one hundred dollars on each ten acre lot in the five acre and ten acre lots' surveys, and that seven dollars and fifty cents and fifteen dollars per acre on the not to understand its value. Willow Creek surveys." Most of us have come from regions canal." and hauling of lumber, in making aque- was in favor of fencing fields instead of ducts, locks and the appurtenances be- stock-where and when fields were longing thereto, so that the Canal can in the first place as cheaply as possible and have them substantial. When the Canal is brought into successful operation, the locks can easily be rebuilt of of the locks to be from ten to fourteen essimated it at \$10 per acre, which will rock, and in a more durable manner and with every improvement.

President of the Company.

LOOSE ANIMALS-FENCES.

The new law in relation to animals per acre be levied on the Big and Little has been published in the NEWS, atten-Cottonwood surveys, and ten dollars tion has been called to it, and still, from per acre on the Jordan bottom surveys | what we learn, there are some who seem

Total,

The amount of land, now unoccupied. that will be susceptible of cultivation. on the completion of the Canal, will be. as per Chief Engineer Fox's estimate, 3000 acres. It is supposed that double the amount can be cultivated, but not of the best quality; we have, therefore, be \$30,000, which amount, and also the

There will be required six flumes, amount to be paid by the "Jordan Irri-In carrying this necessary project into becoming rare in the western and northtwenty feet wide and varying from for- gation Company" must be deducted ty to one hundred and forty-three feet from the above total. effect, it is important that our citizens western States, where, we are informed, in length, and three and a half feet in It will be seen from the annexed reshould be united with the Trustees and Wisconsin already wisely requires the depth. These filumes will cross Wilport of Mr. Fox* that there are take hold of this work with good feeling owners to take care of their animals; low creek, Dry creek, Little Cotton-1,700 city lots, and energy. This Canal is being conand they are much fewer west of the wood and Big Cottonwood creeks, Mill 600 five acre lots, and creek and Big Kanyon creek. structed for the mutual benefit of all. Mississippi and Missouri rivers, in which 600 ten acre lots. It will be necessary to construct ten These, with the amounts in Big and We have arrived at such a point when region we are told that Nebraska has

\$403,000,00.

And another Resolution was adopted, where lawful fences were the rule, we "that twenty-five per cent of this tax | are traditionated in their favor, and find be collected and expended this spring | it dificult to comprehend why produce (1865) for the construction of the said raisers should not be compelled here also to fence against animals running If twenty-five per cent of this tax at large without care. Such persons should be promptly paid in by the have probably not asked themselves by people, as required by the last-mentioned | what fairness or authority the raisers of resolution, in addition to the means al- produce are required to fence their ready on hand, the Canal can be finished fields, while the raisers of stock are without difficulty from this city to the permitted to let their animals roam at Little Cottonwood this season. This will. Doubtless the time-honored and means will be wanted to apply on the customary fence rule was adopted where digging of the Canal, in the furnishing the greatest good of the greatest number small, and to make them a dense growth be used for the purposes desired in its of timber had to be cut down and burned construction this coming summer. It up-and all outside the few and small is the intention to have the locks built fields was a common range. In such cases the requirement to fence might prove most conducive to the general interest, but is questionable even then, except, perhaps, along the lines of roads and adjacent lands. If there are still localities of this description they are