

CONTRACT FOR TUMALO POWER IS SENT EAST

SURVEYS COMPLETED

THREE SECOND FEET NEEDED FOR BEND.

Sites for Power Purposes Offered to B. W. L. & P. Co. Without Charge—Deschutes Best for Water, Says Foley.

That a contract approved, but not signed by the state, for the use of waters from Tumalo creek for power purposes and to furnish a new supply for domestic uses for the city of Bend has been sent to the officials of the Bend Water, Light & Power Co. in the east for their consideration, was the statement last Friday of T. H. Foley, manager of the company interests here, on his return from a trip to Portland. If the contract is signed and its provisions immediately carried out, it is estimated that three second feet of water from the Tumalo will be sufficient to supply the city. Water for power purposes will

McKENZIE PASS BAD.
It is the suggestion of auto-ists who have come from Western Oregon points that the McKenzie pass road is in bad condition and almost impassable. The melting snows on the west side of the range have washed out the road in several places so that deep ruts have been cut.

be furnished to the company without charge other than that of development.

If it is not found advisable to at once use water from the Tumalo for Bend's supply, there will be no radical change made in the present system, Mr. Foley says, for as far as Deschutes river water is concerned, it is now being taken from the point where there is the least possible danger of contamination, and no other stream than the Tumalo would furnish a better source of supply.

IRRIGATION SURVEY IS TO BE THOROUGH

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Irrigation system from 1888 to 1892, chief engineer and general manager of the Owyhee Land and Irrigation Co. at Grand View, Idaho, constructing a large irrigation system from 1892 to 1898, and chief engineer of the Swan Falls power plant at Boise, Idaho, from 1900 to 1902. He was chief engineer of the Boise-Payette Electric Power Co., chief engineer for the Barber Lumber Co., Boise, Idaho, for the construction of a large dam and power plant on the Boise river from 1904 to 1905, and is now a consulting member for the U. S. reclamation service and for a number of irrigation and waterpower companies.

Homer Hamlin and Irving B. Crosby, son of Professor Crosby, are the other members of the party.

SERVICES ARE HELD FOR ALFRED DAVIS

Funeral services were held Tuesday afternoon from the Niswonger chapel for Alfred Davis of this city, who died Saturday, aged 26, of tubercular affection. Rev. E. B. Johnson of the Baptist church was the officiating minister, and interment was made in Pilot Butte cemetery.

Mr. Davis is survived by his wife and a son.

Real Geniality. The inborn geniality of some people amounts to genius.—E. P. Whipple.

SEEK AID FOR NITRATE WORKS

COMPANY WILL ASK EASTERN HELP.

Will Endeavor to Start Development at Sheep Mountain and at Lake in Harney County Early in Fall, Is Present Plan.

With the object in view of interesting eastern capital to a sufficient degree to make possible the immediate development of the Sheep mountain and Sinking lake nitrate deposits, in Harney county, J. H. Morton, president of the Oregon Nitrate company will leave here early in August, it was earned today. Not less than \$25,000 will be required in starting the Sheep mountain work, while very little will be needed in commencing operations at the lake. It is hoped to start work early this fall.

Development at Sheep mountain, which is approximately 110 miles from Bend, Mr. Morton says, will include the installation of a crushing plant and evaporating system, so devised as to separate the various chemicals of chemical value, by crystallization at different temperatures. Shipping, it is understood, will be through Bend.

Deposits Extensive.

Forty-eight hundred acres are included in the holdings of the company at this point and in the course of the last three years thorough prospecting has been done at more than a hundred different points, establishing the fact that practically the entire mountain is composed of rock which runs a high test for sodium nitrate, and which assays from nine to 23 per cent. in potassium nitrate.

Low assays on surface rocks, where the soluble salts have been leached out by the rains of years, are followed by better results as the prospects go farther into the hill. A tramway is planned as the means of conveying the crude rock from the drifts to the crushing and evaporating plant.

Nitrates in Water.

At Sinking lake, 40 miles farther from Bend, a property acquired by the company only last October, the procedure in recovering nitrates would be radically different. Two possible methods are presented. One that of evaporating the water and the other that of scraping the bottom as the lake dries up in the summer, by this means securing a mixture of potassium nitrate, sodium nitrate, sodium bicarbonate, and common salt, which is left almost free from impurities in a layer from a quarter to a half an inch deep as the water recedes in the summer. If the latter system is followed, it is probable that the crude salts would be brought to Bend for refining.

Natural Fertilizer is Found.

Another proposition which is being considered at the lake lies in the vast deposit of what is believed to be a high grade fertilizer found under the layer of crystallized salts. Countless millions of worms, as they are called for want of a better and more descriptive name, live in the water, dying each year after depositing their eggs, as the water recedes and they are left without the amount of water necessary to sustain life.

It is from these masses of animal life, decaying, that the lake derives its unpleasant but entirely accurate name, and the fact that these same odoriferous deposits are from an inch to six inches deep all over the bottom of the lake has led officers of the company to send out samples in order that the commercial value may be ascertained.

EARLY RESIDENT OF TUMALO IS CALLED

Mrs. G. M. Couch Dies After Long Illness—Funeral Services Were Held This Morning.

After a protracted illness, Mrs. G. M. Couch of the Tumalo district died Tuesday at her home from cancer. She is survived by her husband, a son, B. Y. Couch, of Canada, and a daughter, Mrs. A. J. Harter, of Tumalo, and two other daughters living away from here. Funeral services were held from the Tumalo church at 11 o'clock this morning, and interment was made in the Odd Fellows cemetery.

Mrs. Couch was one of the early residents of the Tumalo section, coming with her husband from Washington in 1906.



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WILL IMPROVE BEND STREETS

COUNCIL CALLS FOR BIDS EXPECTED TO AGGREGATE \$23,000—WORK TO TAKE FROM 30 TO 60 DAYS.

Meeting in adjourned session on Monday, the Bend city council ordered the improvement of Awbrey road, Newport avenue, West Fifth street, part of Wall street, Greenwood and Drake road, passing the ordinance covering the work under an emergency clause. A call for bids was ordered, to be opened August 8, and work to be completed on the various jobs in from 30 to 60 days.

Arrangements have already been made for floating the bonds to finance the improvements, which will cost, it is estimated, approximately \$23,000. The work will be done under the Bancroft bonding act.

His Christmas Present.

An old fellow I know, and who has all sorts of money, says that "he was a boy living on a farm in Pennsylvania all he got for Christmas was the privilege of shooting a gun once at a mark.—E. W. Howe's Monthly.

PREPARE FOR POWER PLANT

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imum flow of the creek, approximately 50 second feet.

Farmers Want Lights.

Power will be brought to Bend by a transmission line, eight miles in length, but that additional transmission wires may be strung is indicated by the fact that a provision in the agreement, which is now in the Chicago office of the company, makes it possible for the people of Tumalo to secure electric lighting. The community at Deschutes is also anxious to secure city lighting facilities, it is understood.

It is expected that a definite an-

HOSPITAL TO BE ERECTED BY SISTERS

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commodation of physicians and surgeons will be sufficient for immediate needs of the city, but I might say that when the second addition is necessary we shall erect the administration building and the second unit.

To Feature Training.

"We intend to make a big feature here of the nurses' training department as we have done in other places. Young women eager to take up nursing will, I believe, be able to obtain a thorough and comprehensive course of training here as in the larger cities, as we will be fully equipped for this work."

"I do not hesitate to say that the hospital in Bend will be modern in its equipment in every detail to offer to the public the best that can be obtained."

Mr. Thomas will begin on the plans for the hospital immediately upon his return from Portland so that construction will begin at the earliest possible date.

Mother Xavier and Sister Agatha will remain in Bend for some time so that they can supervise many of the details of construction. Mother Xavier has been in various parts of the west at different times and is familiar with western conditions.

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