

# STARCH PLANT PROMOTOR HERE

## EXPLAINS PROJECT IN DETAIL

Favor Bend as Location Because of Local Water Supply—Would Use Cull Product From Over 10,000 Acres—Plant Covers 5 Acres.

The promoters of the starch factory proposed to be located in Central Oregon, George W. Bradley and E. S. Hamel, spent Monday in Bend going over their proposition with the directors of the Commercial Club. They will be here again on Saturday for a public meeting which all farmers in the surrounding country are urged to attend.

According to Mr. Bradley, who is the spokesman for the enterprise, their attention was called to the possibilities of Central Oregon as a starch producing country by reports of an expert of the United States Department of Agriculture who has been studying the potato starch industry for the past three years. This expert, Dr. C. C. Moore, has found that Central Oregon potatoes have a higher starch content than those from any other section, and it is therefore desired to locate a factory here.

Such a plant as is planned would use the cull product from 10,000 to 12,000 acres and would insure to the growers a minimum price of \$8.50 per ton. If desired, the starch company would act as commission agent for the sale of all merchantable potatoes, sorting these out from the starch stock.

Figures are given. The plans of the promoters call for a factory site covering about five acres, starch making to be begun by September 15. The factory would be in operation for about 250 days and would have a total daily pay roll of \$100. Its daily consumption would be 100 tons of potatoes and its starch output about 20 tons. By products would be a stock food, potato flake and glucose. Its cost, including machinery to be imported from Germany, where starch making from potatoes is in an advanced stage, is estimated by Mr. Bradley at about \$60,000.

To finance the proposition stock to the amount of \$20,000 would have to be subscribed for in the neighborhood where the factory was located, the promoters putting up \$20,000 and leaving \$10,000 of a \$50,000 capitalization in the treasury for later needs.

Mr. Bradley and Dr. Hamel have visited other towns in the Deschutes valley and explained the proposition, in many cases getting acreage contracted to supply the factory in case it is built. In the different towns visited sites for the factory have been considered but none have been found desirable because of the lack of water. When in operation a starch factory requires several hundred gallons of water a minute and Bend is believed to be the only place where water in the desired quantities would be available.

Monday afternoon Mr. Bradley and Dr. Hamel were shown about town by the Commercial Club committee having the matter in charge, visiting the North Canal dam, the power plant of the Bend Water Light & Power Co., and looking over possible sites. They will return on Saturday for the meeting which will be held that afternoon in the Commercial Club room at 2 o'clock.

**FARMERS' SHORT COURSE.**  
The Farmers' Short Course for Crook county will be held at Redmond, week of March 22d to 29th. Six professors from the Agricultural College will be present and a study of all the phases of farming which are of value to farmers in this section will be taken up and discussed. Every farmer in the county should be present the entire week if possible. Begin making your plans now and if you cannot attend the entire week, go and stay as many days as you can.

**SPRINGER IN SALEM.**  
SALEM, Feb. 18.—G. Springer, Judge of Crook county, was here last week, taking in the legislative sights. He brought a twelve year old boy, Charles Bailey of Brothers, to the Boys' Industrial School. Young Bailey ran away with one of his father's horses some time ago, and has been turned over to the state institution.

**FEDERAL EMPLOYMENT AGENCY**  
The United States Department of Labor, in co-operation with the Post Office Department and the Department of Agriculture, has recently established branches throughout the country to assist in the unemployment situation. The branches are designed to serve both those who want work and those who are seeking help. Blanks may be obtained at post offices on which applications may be made for employment or for help. No fees are charged for the service.

**COMMITTEE DISAGREES**  
Powell Butte Road Subject of Report—Resolutions of Thanks Voted.

Discussion of the road planned to be built to the Powell Buttes occupied the greater part of the time at the Commercial Club luncheon on Saturday. Reports as to the feasibility of the road with funds now available were made by three members of the committee who were apparently

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in hopeless disagreement on the subject. On motion of C. S. Hudson it was voted that a resolution of thanks be sent to the various individuals who had worked for the passage of the irrigation appropriations before the recent legislature.

In accordance with the vote of the club Manager De Armond has prepared resolutions as follows: Whereas the Bend Commercial Club and the citizens of Bend and Central Oregon in general are deeply appreciative of the interest displayed and efforts made on behalf of the irrigation measures in the Oregon legislature by Guy W. Talbot, J. N. Teal, J. C. Ainsworth, A. L. Mills, and Julius L. Meier, L. C. Gilman and J. T. Hinkle of Portland, Oregon, the Portland Commercial Club and the Portland Chamber of Commerce and of the various members of the legislature who supported the measure, and

Whereas we feel that the efforts thus put forth have had the effect of further cementing the good will existing between the business interest of Portland and Central Oregon.

Therefore Be It Resolved, by the Bend Commercial Club, in regular meeting assembled at Bend, Oregon, on the 20th day of February, 1915, that we extend a vote of thanks to Guy W. Talbot, J. N. Teal, J. C. Ainsworth, A. L. Mills and Julius L. Meier, the Portland Commercial Club, the Portland Chamber of Commerce for their earnest efforts on behalf of said irrigation bill; J. T. Hinkle, L. C. Gilman and the various members of the house who supported the irrigation bill.

## LAKES LEASE IS DULY RATIFIED

(Continued from page 1.)

According to present estimates the pipelines will be built of Oregon fir, 14 inches in diameter, and cost in the neighborhood of \$2,000,000.

**Pumping Plants to Rise.**  
Large pumping plants at the lakes, costing about \$500,000 will be used to pump the fluids up an elevation of about 800 feet for the first 25 or 30 miles of the pipeline and from that point to the junction of the two rivers a gravity flow system will be installed. Two sites, of 40 and 30 acres, respectively, near the junction, already are offered as the location of the \$5,000,000 manufacturing plant that is to be erected.

Machinery will be installed in the proposed plant for the manufacture of nitrate, potassium, sodium chloride, carbonate, bi-carbonate, caustic soda, baking and bleaching powders and other materials to be obtained from the lake deposits. The same syndicate recently spent approximately \$5,000,000 for a field of phosphates in Wyoming. These materials also will be shipped to the Oregon plant and made into fertilizer, along with Oregon lime.

**Building Plans Ready.**  
The plans for the \$5,000,000 manufacturing plants, separating plants, refineries, pumping stations and warehouses have been prepared in New York City by engineers representing the syndicate. The local work has been in charge of J. G. Kelley, a Portland engineer. Mr. Kelley has done most of the preliminary investigation work and has laid out the plans for the pipelines.

In addition to the manufacture of materials it is probable that a separate plant will be built for the generation of electric power. Mr. Sheppard said yesterday that this plant might be operated by an independent company. About 15,000 horsepower will be required on the project.

**Protect Oregon's Greatest.**  
Without question the project made possible by the ratification of the lakes lease for 40 years is one of the largest private development projects ever commented in Oregon. Mr. Moore and Mr. Sheppard declare that the plant will be the largest of its kind in America and the only one of its particular character in the entire world. Mr. Moore estimates that his syndicate will employ between 3500 and 5000 men continually.

By the terms of the lease Mr. Moore guarantees the state annual royalties of at least \$25,000. Mr. Sheppard said yesterday that if the materials work out as expected the project may pay the state as high as \$127,000 a year on the royalty basis.

**Paper Industry Helped.**  
When in Portland recently Mr. Moore predicted that the erection of the proposed plant would mean that Oregon would become one of the greatest paper-producing states in the Union. Many of the substances used in the digestion of pulp will be made at the Moore plant and it is natural to assume, he says, that great paper mills will spring up in that locality, especially in view of the immense water power that is harnessed up in that locality.

## DEATH OF C. I. BOZELL

(Continued from page 1.)

The Bend Company. When this work was finished he built the local flour mill and operated it under the name of the Bend Milling & Warehouse Co., until last fall when, because of financial difficulties, it came into the hands of the present owners.

Mr. Bozell is survived by a widow and six children, Fred, Joe, Charles, May, Willetta and Mrs. Julius Kortman. All reside in Bend. He was a member of the local lodge of Woodmen and of the Harmony Lodge of Masons in Portland. The Woodmen are arranging for the funeral here, present plans being to take the body tomorrow night to Vancouver, Washington, for burial.

## G. W. UPDIKE DIES

Old Time Resident of Metolius Community Succumbs to Brights Disease.

George W. Updike, an old and respected resident of the Metolius country, died last night of Brights disease. The funeral will be held tomorrow at 2 o'clock at the church at Laidlaw under the auspices of the Laidlaw lodge of Odd Fellows of which he was a charter member. Interment will be in the Odd Fellows cemetery.

Mr. Updike was born on February 22, 1845, being named George Washington on that account, and was just two days over 70 years of age at the time of his death. During the Civil war he served in the 145th Illinois infantry. For the past 10 years he has been a resident of Central Oregon, for five years serving as gate keeper at the head gate of the old Columbia Southern canal. Mr. Updike's cabin on the Metolius was a favorite resort of fishermen on that stream and Mr. Updike himself a genial host.

Surviving Mr. Updike are a son, Earl of Sisters, a daughter, Mrs. John Stiles of Laidlaw and four other children, two sons, and two daughters living in other parts of the country.

## DUFFY IS APPOINTED

(Continued from page 1.)

district attorney under Fred Wilson and district attorney for the Seventh district.

Mr. Duffy was born on a farm in Scott county, Minnesota 23 years ago and received his early education in the common schools of the county. He attended the University of Minnesota and is a graduate of the Minnesota law school of the class of 1909 of which Vernon A. Forbes of Bend was a member. While in college and the law school Mr. Duffy was obliged to do outside work to meet expenses, working in the Minneapolis post office for this purpose. After graduation the excellence of his work in the post office won him a place in the United States Land Office where he spent a year before removing to Central Oregon. He has been United States Commissioner in Prineville continuously since his location there.

Mr. Duffy has a large number of friends both in Prineville and Bend, where he is well known. He was married on September 25, 1914, to Miss Katherine Trautner of Bend.

## SURVEY REPORT IS MADE PUBLIC

(Continued from page 1.)

Prineville country, the former Benham Falls project, the North canal project and the so-called Tamslo extension. Both the North and the West units are stated to be desirable at the estimated costs while the South is concluded not to be desirable at the present time. No recommendation is made as to the East Side unit or the North Canal Project.

The subjects investigated in connection with the survey included transportation and markets to be served from the proposed projects, other projects in the basin completed, under construction and proposed, the climate of the section, the water resources and the irrigable lands. One section of the report is given up to an agricultural survey prepared by W. L. Powers, of the O. A. C., who concludes that the physical character of the soil for irrigation and cultivation is generally good.

The conclusions of the report as to the water power in the Deschutes between Benham Falls and Bend have an important bearing on the future development of this section. The report says: "That there is a total

available fall in the river between Benham Falls and Bend of about 600 feet of which nearly 400 feet is available for power development in four separate falls of 65 to 110 feet each; that with the domestic water supply of 250 estimated second feet, it is feasible to develop at these falls 20,000 H. P. continuously throughout the year, with a load factor of 50 per cent; and that with the full irrigation development, it will be possible to develop approximately 100,000 H. P. at these falls, limited to the period of the irrigation season."

One of the most interesting portions of the report is that in which the geological formation of the upper Deschutes basin is described. In the deep canyons formed by the Deschutes and the Crooked rivers it is possible for the geologist to show five successive chapters of geological history beginning with the time of the original sandy plain and coming down to the last flow of basaltic lava and the river erosion through it.

Investigations on the Crooked and John Day rivers will be subjects of later reports.

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## ONLY HOPE NOW IS CONFERENCE

(Continued from page 1.)

Canal for co-operative irrigation work and would recommend the appropriation of \$450,000 for the project if Oregon would raise a like amount. It was at this time that the effort was made to revive the Oregon bill first proposed to match a reclamation allotment offered by Mr. Lane.

This had failed in its first purpose and, as stated above, lost again on the second attempt to match it against the Congressional appropriation.

Although Secretary Lane had conditioned his recommendation on an appropriation by Oregon which was not forthcoming, when the Sundry Civil Bill appeared in the Senate Senator Chamberlain was successful in getting attached to it an amendment providing \$450,000 for the North canal without any strings whatever and the bill has now gone to conference. In view of the fact that among the conferees are men who opposed the amendment in both houses it is believed doubtful if it will be found in the final bill.

The latest report from Washington on the subject is as follows: "Oregon's hopes for a \$450,000 appropriation for reclamation lies, for the time being, in Senators Martin, Overman and Warren and Representatives Fitzgerald and Sherry and Gillett, the conference committee on the Sundry Civil Bill. An effort is being made to have \$450,000 allowed without the stipulation that the state furnish an equal amount." That the matter of the appropria-

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tion has reached its present position is understood to be due to the efforts of Roscoe Howard, general manager of the Central Oregon Irrigation Co., who has been in Washington for several weeks.

**SIGNS FOR SALE.**  
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**Croup and Whooping Cough.**  
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