

IRRIGATION SURVEYS TO BE THOROUGH

INSTRUCTIONS SENT FROM WASHINGTON.

EXPERTS ARE HERE

All Possible Sites Will Be Looked Into if Benham Falls Is Not Satisfactory—Land Pleases Professor W. O. Crosby.

Investigations by the party of government geologists and engineers who arrived in Bend on Friday will not be confined to Benham Falls as a storage reservoir site for confining the overflow of the Deschutes for the irrigation of the thousands of acres of now arid land in the Deschutes valley...

Experts of High Standing. The government experts were met Friday afternoon at Gateway by autos from Madras, and taken to that city for supper, afterward being brought to Redmond.

From there they accompanied the Bend delegation, coming in cars furnished by M. A. Lynch of Redmond and Mayor J. A. Enates of Bend. On Saturday they set out on their first trip to the Benham Falls site, which will be under investigation.

Professor Crosby, the chief geologist of the party, was formerly a member of the faculty of the Massachusetts Institute of Technology, and is now chiefly engaged in original research work and has been on geological investigations in connection with large engineering projects in the United States, Mexico, Alaska and Spain.

Engineer Has Long Record. Andrew J. Wiley, in charge of the engineering work, was assistant construction engineer of the U. P. railroad at Butte, Montana, from 1886 to 1888, chief assistant engineer of the Idaho Mining and Irrigation Co. on the construction of a large

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THOMAS CARUFEL TO ERECT MODERN APARTMENTS HERE

Just as soon as he has cleared up some of the residences which he now has under construction, Thomas Carufel will commence the erection of a modern brick and stone apartment house, the cost of which, it was given out yesterday, will be about \$32,000.

In speaking of the proposed apartment house building, Mr. Carufel said: "It is intended to begin the erection of this building as soon as possible this year. It will be thoroughly modern in every respect and will have all the attractive features of a modern city apartment. The building will be divided into two and three room apartments, each of which will be equipped with all the modern built-in effects, electric range and heated with steam. There will be 16 apartments in all. Every

PREPARE FOR POWER PLANT

B. W., L. & P. CO. READY FOR CONSTRUCTION.

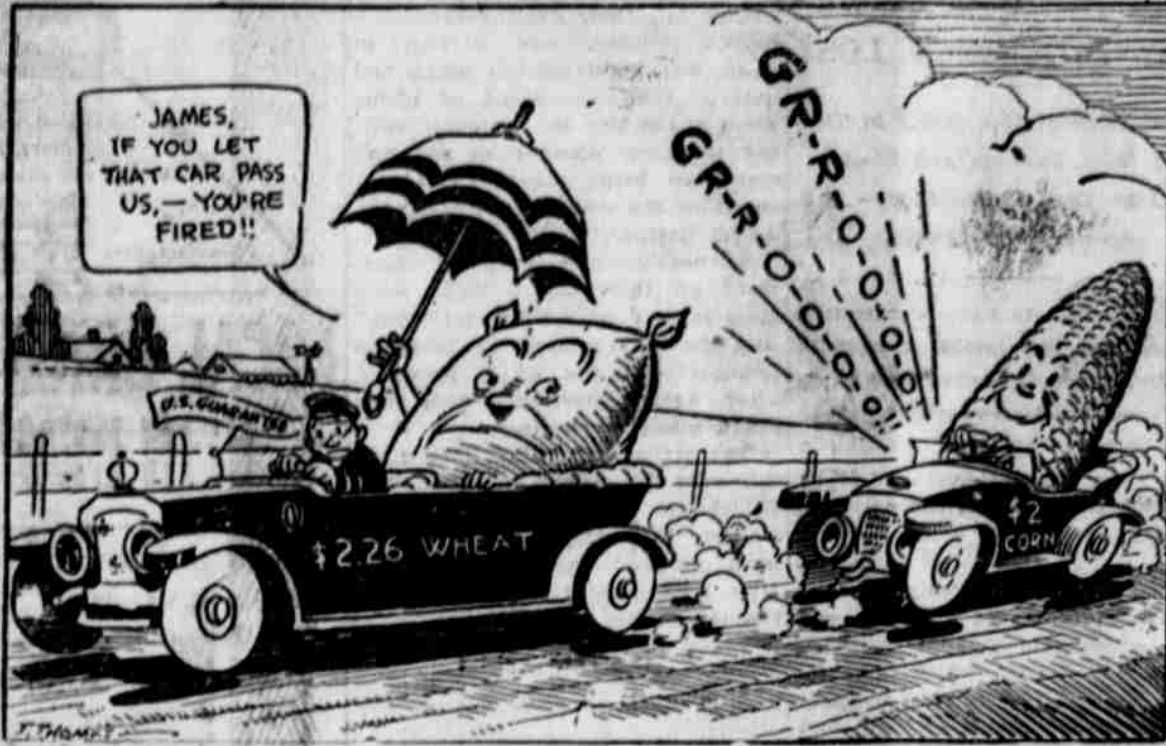
Camp Established on Tumalo Creek so Power Development Can Be Started at Once in Case of Approval of Contract.

To prepare for the starting of immediate construction work on the new power unit in case the agreement between the state and the Bend Water, Light & Power Co., is approved by eastern officials of the company, a party of men is at work on Tumalo creek today establishing a camp, erecting bunk houses and a cook shack and taking care of all necessary preliminaries.

To Tap Old Ditch. The construction, as contemplated in the surveys already made, will be of a single unit which will develop 1500 horse power. The cost of this has not been definitely determined, Mr. Foley says. Water will be obtained by draining the old Columbia Southern ditch, using 4000 feet of 40 inch pipe for this purpose, returning the water to the creek after it has passed through the plant. The second unit, which would be constructed later, would be a short distance further down the creek, and would again make use of the water, developing the same amount of horse power as the first section of the plant. Both units are planned to use the min-

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THE CHALLENGE



Load of Nitrates Carried on Truck Suddenly Ignites

After being jolted over 140 miles of country roads, a load of nitrate crystals taken from the dry bed of Stinking lake, in Harney county, and being brought to Bend by Guy H. Wilson on his truck for the Oregon Nitrate Co., ignited spontaneously Monday afternoon just as the truck was entering Bend. "You're on fire," came a cry from the side of the street as the big motor truck passed, and turning, Mr. Wilson saw a dense cloud of smoke rising from the sacked nitrates. To find out the origin of the fire, he started to lift off the top sacks, but a mass of flame shot up as the air supply was increased by this act. Eventually the fire was put out, but not before half of the nitrates had been consumed, as well as a quantity of bedding being carried on the truck. Mr. Wilson had not been smoking during the trip, and declares there was no chance for any of the chemicals to be ignited from any outside causes.

BANK-FARMER MEET PLANNED

DESCHUTES COUNTY TO ENJOY BENEFITS OF COOPERATIVE MOVEMENT—COMMITTEE APPOINTED FOR MEETING.

To consider the extension to Deschutes county of the banker-farmer cooperative movement, bankers from Bend and Redmond met last night at the invitation of the First National Bank of Bend with representative farmers from Bend, Tumalo, Deschutes and Lower Bridge. Following a discussion of the plan, it was voted to inaugurate the movement by a "banker-farmer mixer," to be held at Tumalo early in September.

At this meeting it is hoped to have present prominent speakers from other parts of the northwest who can discuss the problems of the farmer and pave the way to closer cooperation between him and his banker friends. The occasion will also serve as an opportunity for the farmers from different sections to meet and discuss their work and become better acquainted with each other.

General arrangements for the mixer are to be in the hands of C. S. Hudson of Bend, Guy Dobson of Redmond, Gus Stadig of Lower Bridge, Frank Baughman of Deschutes and J. A. Melvin of Bend. A committee from Tumalo will have charge of arrangements for grounds.

SHEEPMEN WILL POOL INTERESTS

MANAGER TAKES CARE OF BUSINESS.

Tumalo-Cline Falls Sheep Association Handles More Than 1000 Head—Cooperative Ranging Is Successful.

Contrary to the belief held by many range experts that cooperative grazing is not practicable, the Tumalo-Cline Falls Sheep association this year is experiencing unexpected success in ranging more than 1000 head of sheep on the Deschutes national forest.

Because this association has chosen one strain of sheep, all of similar habits of shelter and food, it has been made possible to collect all the sheep of the association under one range manager. It is expected, owing to the successful range year, that the Tumalo-Cline Falls Sheep association will have fully 1000 mutton lambs for the market this year.

At a meeting last Wednesday the executive committee of the association adopted its rules and regulations, whereby provision is made for the purchase of pure bred bucks during the summer months, the employment of head herders, any or all of whom must own sheep and be members of the association, the marketing of wool and lambs, cooperative bargaining between the association and the forest service and the management of all business of the association. The president, secretary-treasurer and a member of the executive committee, three sheep owners, comprise the executive committee.

Small Owner Helped. Through the perfection of this association, the owner of a small band of sheep will have equal advantages on the range with the larger sheep herders and will experience uniformity in management, each sharing pro rata the overhead costs.

This summer 1049 head of sheep are being taken care of under the association. This year provision is being made for the purchase of 30 pure bred Hampshire bucks for about 1000 pure bred Rambouillet ewes. The association will collectively purchase these bucks. It is the intention of the association to send a member to the Salt Lake ram sale, August 26 to 28, inclusive.

The officers of the Tumalo-Cline Falls Sheep association are: John Marsh, president; C. P. Becker, secretary-treasurer; A. E. Hoss, member of the executive board. The sheepmen in the association are John Marsh, C. P. Becker, George Horton, O. Van Tassel, J. W. Wright, D. Helmsing, C. M. Elkins, John Park and A. E. Hess.

HOECH DISTRICT TO HAVE NEW SCHOOL

At a special election held in the Hoehch district, last week, a unanimous vote was cast in favor of a \$2000 bond issue to finance the building of a new school.

COURT ALLOWS \$1225 TO HELP COUNTY FAIRS

SEEK TO STIMULATE PRODUCTION.

FOUR SHOWS PLANNED

Tumalo, Redmond and Grange Fairs and Bend Flower Show Included—Best Club Workers to Be Sent to State Fair.

With the object of stimulating agriculture, domestic science, horticulture and livestock production in the county, the Deschutes county court in regular session Wednesday afternoon, made appropriations of \$1225 for community fairs and shows to be held this summer and fall. The action was taken after the clerk, J. H. Haner, had sent out notices asking that applications for financial assistance from the various fair associations be sent in, and as a result it is considered that the four donations made by the court represent the entire number of fairs to be held this year.

Tumalo Has Stock Feature.

The Tumalo fair, which will have the added feature of a livestock section, was allowed \$500, and a like sum was provided for the annual Redmond potato show. One hundred and fifty dollars goes to the Grange fair, and \$75 to the Bend flower and horticultural show. The exact dates on which the various exhibits will be made are to be announced later. The appropriations were made on the condition that the money thus furnished is to be used for premiums to prize winners, with the further provision that no entries which had drawn prizes in previous years could receive awards in 1919. Copies of the prize lists, it is stipulated, must be furnished to the court.

Appropriations made are well within the amount available, as the county budget provides \$1000 for this purpose, and state money for the same use totals \$500.

Children to See State Fair.

Two boys and two girls who have made the best showing in industrial club work will go to Salem at the county's expense this fall to see the state fair, the court agreed in response to a request made by County School Superintendent J. Alton Thompson and Agriculturist Koons. For this purpose \$125 was appropriated, but the names of the fortunate youngsters will not be known until shortly before the opening of the fair, when grading on club work will be completed by the Oregon Agricultural college.

HOSPITAL TO BE ERECTED BY SISTERS

FRANKLIN STREET TO BE SITE.

\$65,000 FIRST COST

Will Include Construction of One Pavilion and Fixing Up Grounds—Unit System to Be Used, Says Mother Superior.

Contracts were drawn up Wednesday between the Sisters of St. Joseph, the mother house of which order is situated in Tipton, Indiana, and Lee A. Thomas for the preparation of plans for a Sisters' hospital to be located on the hospital site between Oregon and Franklin streets, familiarly known as the water power site.

Mother Xavier, representing the mother house, has been in Bend for several weeks awaiting the return of Father Luke Sheehan in order to discuss plans with him before a formal announcement was made. Mother Xavier is accompanied by Sister Agatha, who will assist in the plans for construction.

To Use Unit Plan.

According to the mother superior, the hospital will be erected in units, the first to be one of three units which will consist of two pavilions and administration unit. One pavilion will be erected at once, the cost of which, together with fixing up grounds, will total about \$65,000. The structure will be more than three stories, including a sub-basement. It will face approximately north and will be on the crest of the high ground. It is planned that the first unit will have about 30 private rooms with wards to make a total of about 50 beds. In addition, it will contain operating rooms, nurse quarters, surgeons' private suites, laundry, heating plant and such other rooms as accompany hospitals of the type erected by these Sisters. The building will be equipped with elevators and steam heat. Interior finish will be the latest that is now put in the largest hospitals in the country.

Splendid Future Seen.

In speaking of the future of the plans for the hospital, Mother Xavier stated:

"We feel that Bend has a splendid future and we feel safe in going ahead with the plans for the hospital. It is planned to build the building in units. It is estimated that the first unit of 50 beds with other features for the complete ac-

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COMMERCIAL CLUB AIDS IN BACKING NEW CHAUTAUQUA

Bend is to have a Chautauqua course in 1920. While guarantors of the present year and the Ellison-White company, which has furnished talent here ever since there has been a Chautauqua in Central Oregon, have been at a deadlock since the closing of the 1919 course, arrangements have virtually been completed with Bend business men by Mrs. Fay M. Huntington, representing the West Coast Chautauqua association, it was announced Wednesday at the luncheon of the Bend Commercial club. In addition to the 28 names already secured on the 1920 contract, a score more were added while Mrs. Huntington entertained the club with several vocal selections.

Several advantageous features are noted in the new agreement. Among these is the fact that the guarantee consists in the sale of 450 season tickets at \$2.75 each, a saving of approximately \$100 from the amount for which guarantors were held responsible dur-

ing the past year, and also the fact that 25 per cent. of all season ticket sales above the guarantee goes to the local association. The contracts, when fully signed up, will remain in the hands of the guarantors until the standing of the chautauqua company can be fully investigated. Explanation of the contract was made to the club by A. Whisnant.

A letter from the Burns Commercial club asking that action be started to prevent diverting of travel from the Bend-Burns road over the John Day highway. It was referred to the roads committee, and to a special committee of one, on which A. Whisnant was named.

H. J. Overturf spoke on the matter of the Tumalo mail service, declaring that the residents of that section are anxious to get their mail through Bend instead of by way of Deschutes, and in response to his remarks the club authorized the appointment of a committee to get action started along this line.