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LAND BOARD TO PASS ON CANAL

NEW TUMALO PLAN TO BE DISCUSSED.

Logged-Off Land Near Bend May Also Be Watered, If Recommendation of Fred N. Wallace to Tap Deschutes Is Taken.

(From Wednesday's Daily.)

Early in September, the Desert Land Board will be called on to consider the advisability of substituting a canal from the Deschutes river to the Tumalo feed canal instead of attempting to cure the leak which now exists in part of the Tumalo irrigation project reservoir. This was the announcement made this noon at the Commercial club luncheon at the Pilot Butte Inn, by Fred N. Wallace, project engineer. At present, the amount of land in the Tumalo section which can be irrigated with the water available is about 7500 acres, but practically all of this tract, with the exception of 500 acres has been sold. No hope of immediate relief in the matter of curing the reservoir leak is held out by the board of experts, who have worked on the reservoir for the better part of the summer, and the need for water, with heavy land sales, made necessary the use of Crater creek for the first time in the history of the project.

Foresees Leak Cure.

As a form of relief which will allow the irrigation of all the arable land on the tract, engineer's lines have been run to pick out possible routes for canals tapping the Deschutes. While this might later on deprive some of the C. O. L. lands of water, Mr. Wallace does not believe that this conditions would come to pass for the next 15 years, and by that time he has every reason to think that not only would the reservoir leak be cured but the Crane Prairie storage reservoir will also be in operation.

One canal route Mr. Wallace spoke most favorably of, as offering a chance for watering large tracts of logged-off lands in the vicinity of Bend, in addition to providing the required number of acre feet for the remainder of the Tumalo land. This canal would tap the river about three miles above Bend and could easily be made large enough to take care of the surplus water.

Roads Discussed.

The balance of the meeting was given over to the discussion of road matters, C. B. Hudson criticizing the Hamilton Pass route over the mountains and advising that all Bend's backing go to the improvement of the Mackenzie Pass road, as more adaptable to improvement, less dangerous and richer in scenic beauty.

Paul C. Garrison, of the road committee, spoke particularly of the improvement of the La Pine road which will be started in the near future by the county court. He urged also that some action be taken to remove loose rocks from the Bend-Prineville road.

Mr. Wallace reported that petitions for the Lower Bridge roads are in, and will be presented to the county court at its next session.

DRAFT ELIGIBLES URGED TO ENLIST

Sergeant Davis Says Opportunities for Choice of Service Branches is Greater in Regular Army.

(From Friday's Daily.)

Because of the many rejections in the draft examination, the list of those to be tested for the first call will be much larger than was at first expected, and Sergeant Charles Davis, recruiting officer, urged today that men who may be eligible, apply for enlistment in the regular army.

He declares that opportunities for advancement will be greater, and that in addition recruits will have the chance of picking the branches of service which they prefer. This will be lacking in the National army, he says.

Why doesn't Durbank invent a headless watermelon?

FOUR YEAR OLD GIRL CLAIMED AS VICTIM OF POLLUTED WATER

(From Wednesday Daily.)

The first death caused by the drinking of polluted water from Tumalo Creek, in which sheep have been allowed, occurred last night when four year old Violet Sippy, daughter of Mr. and Mrs. John W. Sippy, died at the Bend Surgical Hospital at 11 o'clock. Two of the other Sippy children are at the hospital and are in a critical condition, it is reported. Intestinal trouble caused by the impure water, was given as the cause of the child's death. Funeral services will be held at 10:20 o'clock tomorrow morning from the Niswonger undertaking parlors, Rev. W. C. Stewart, pastor of the Methodist church, officiating. Interment will be made at Pilot Butte cemetery.

HERDER ADMITS FOULING WATER

COURT TURNS SHEEPMAN LOOSE ON TECHNICALITY—FURTHER STEPS PLANNED TO MINIMIZE DYSENTERY DANGER.

(From Wednesday's Daily.)

Although Fred Abbey Tumalo shepherd, admitted ranging his flocks on the banks of the unfenced Tumalo ditch, and although three physicians testified that the sheep were undoubtedly the cause for the pollution of the water resulting in the illness of a large number of laborers from dysentery, Justice of the Peace J. C. Thorpe, of Tumalo, yesterday discharged Abbey. The contention of the court was that as Abbey had not actually placed sheep in the water, he could not be held for pollution.

Fred N. Wallace, of the Tumalo irrigation project, testified as to the sheep being ranged along the ditch, while Dr. U. C. Coe, Dr. J. C. Vandeventer and Dr. Dwight F. Miller, of Bend, testified to having attended cases of dysentery, caused by bad water. Laborers deriving their water supply from the stream, told of being taken ill, and also of finding carcasses of sheep in an advanced stage of putrefaction in the creek. District Attorney H. H. De Armond was indignant over the outcome of the case and may take steps to continue the investigation.

PLAN TO RE-SURVEY NITRATE DEPOSITS IN CENTRAL OREGON

LETTER FROM WASHINGTON WRITTEN TO GEORGE S. YOUNG PROMISES THAT GOVERNMENT WILL UNDERTAKE NEW EXAMINATION IN NEAR FUTURE.

(From Tuesday's Daily.)

Word just received here by George S. Young, of Bend, from Senator George E. Chamberlain, announces that Hoyt S. Gale, of the U. S. Geological survey, will make a detailed examination of the Central Oregon nitrate deposits. Mr. Gale has made most of the government nitrate examination in recent years.

The letter is significant in that it means the reconsideration of resources of this section which had previously been turned down by the government, a former examination resulting in the refusal to consider any of the nitrate deposits in Oregon.

The matter was taken up through the action of Mr. Young, who wrote to Senator Chamberlain, asking that a more exhaustive examination of the Central Oregon country be made, as the former survey, he claims, was lacking in thoroughness.

A letter written Senator Chamberlain by the acting director of the geological survey, announces that the deposits will be reconsidered as soon as is practicable, although the calls for emergency examinations are so frequent at this time that no definite date can be promised.

HAY REACHES RECORD PRICE

\$18 IS PAID, THOUGH CROP IS NORMAL.

Sheepmen Contract Heavily to Protect Valued Wool Bearers in the Winter—More Alfalfa Baled and Grain Hay Less.

(From Friday's Daily.)

Reaching record prices, alfalfa hay is selling at \$16 and \$18 a ton, delivered in Bend, and \$15 in the stack, a gain of \$5 a ton over last year's prices. The yield on irrigated land is heavier than usual, averaging two and one-half tons to the acre, and while the dry land yield is approximately half that of 1916, due to the long dry spell, the fact that there is twice as large an acreage of irrigated land as that which was tilled last year will bring the total crop above the normal, farmers declare.

Exorbitant prices may be traced directly to the fabulous sums paid early in the summer for wool, raising the sheep to a position of real dignity as a highly valuable asset. With this in mind, sheep men have contracted a large percentage of the hay grown in Central Oregon to insure against winter losses. Many farmers, however, predict that the coming cold season will be in the form of an open winter, following the two seasons of unusually heavy snow.

Little Surplus On Hand.

Heavy purchases made by Willamette Valley and Tillamook dairymen have left the country with practically no surplus from the 1916 crop, with the exception of the High Desert farms, where a relatively small quantity still remains. The increased value of fodder and the demand which an appreciation of the high grade alfalfa raised in Central Oregon has created, is leading to increased baling, and many new machines are being put into operation.

So Thought Too High.

Grain hay, raised chiefly in the dry sections, will be a smaller crop than usual because of the high prices of cereals, and much which ordinarily would be cut before maturing, and cured, will be threshed this fall. Alfalfa will prove as profitable a crop as wheat, for even after the two cuts, worth \$72 an acre, valuable pasturage will be left.

Some growers, it is reported, will hold out for \$20 a ton, but buyers are of the opinion that this figure will leave much still awaiting purchasers by next spring.

Public Service Commission Explains Advance in Rates

(From Friday's Daily.)

SALEM, Aug. 16.—(Special to The Bulletin)—In the following language, the Public Service Commission has issued its order increasing the water rate on the Squaw Creek Irrigation project from 35 cents to 40 cents per acre foot:

The commission has carefully considered all the pertinent facts disclosed by its investigation, and now being fully advised, finds that the value of the property of this applicant used and useful in the service of the public was on May 1, 1917, the sum of \$46,958.00. The term "value" is * * * for rate making purposes, and is derived from a special consideration for a particular purpose of elements relevant when considered in the light of such particular purpose.

The statute contemplates that the commission shall make allowance for a depreciation annuity in each rate case. After making due allowance for depreciation contingencies, the sum of \$400.00 per annum is determined to be a proper amount to be set aside in a depreciation fund to keep this property in a proper state of efficiency and to facilitate prompt replacement of depreciable property and insure continuity of service. Such an amount shall be set aside and carried in a depreciation reserve, and such money as shall be available shall, before the declaration of any dividends, be carried into a deprecia-

HORSE'S KICK KILLS FARMER

H. E. MARSTON VICTIM OF RUNAWAY.

Falls Under Hoofs as Team Bolts Up Grade Near Evans Ranch—Wife Had Premonition of Disaster—When Trip Started.

(From Monday's Daily.)

Henry E. Marston, well to do Portland man who recently homesteaded in the Sand Ridge section, was instantly killed at 9 o'clock yesterday morning near the C. L. Evans ranch, 37 miles from here, when he fell from his wagon under the horses' hoofs, his skull being crushed by a kick from one of the animals. Mr. Marston was 58 years of age, and is survived by his wife and one son. The latter arrived here this morning to accompany the body back to Portland.

The death was the result of a runaway which occurred as Mr. Marston was urging his horses to pull a rather difficult grade. His wife had been riding with him, but had dismounted to ease the load. According to her story, her husband struck one of the horses with the whip, and the team bolted, the front end of the wagon box falling out, hurling the driver to the ground. By the time she could reach him, he was dead, his head crushed by the blow of a hoof on the right temple. The wheels of the wagon passed over his left arm.

Premonition Felt.

Help was summoned from the Evans ranch and County Physician Dwight F. Miller and Coroner Elmer Niswonger responded. The case was so plainly accidental that no inquest was held, and the body was brought in to the Niswonger undertaking parlors last night.

Mr. and Mrs. Marston had reached the Evans place the night before, travelling from Bend, and yesterday Mrs. Marston had objected strongly to continuing the journey on Sunday, feeling a premonition that bad fortune was in store for them.

ED. H. KEANE LEARNS OF MOTHER'S DEATH

(From Monday's Daily.)

Ed. H. Keane, of this city, has just received word of the death of his mother, Mrs. Elizabeth Keane, aged 65, of Cleveland, Ohio. Death came as the result of prostration during the recent heat wave.

ED. LAMB TRANSFERS SHEEP AND REALTY

Tom Cronin Is Purchaser of One-Third Interest Held by Stockman—Retirement Not Permanent.

(From Friday's Daily.)

Announcement of another sheep sale was made this morning by Ed. Lamb, who is completing the transfer of his one-third interest in 4300 ewes and lambs and a 160-acre range base to Tom Cronin, Lake and Deschutes county stock man. The consideration was not given, but it is understood that Mr. Lamb received a top notch price for his holdings. Mr. Lamb will not quit the stock business in Central Oregon, he stated, but after a temporary retirement will go back into the game.

PRINEVILLE TO HAVE A \$6000 WAREHOUSE

(From Saturday's Daily.)

Preparing for the storing of the fall crop, the Redmond Warehouse and Produce Co. will soon begin the construction of a \$6000 warehouse building in Prineville. Lee A. Thomas of Bend, is the architect.

ROBERTS PLANS BETTER SYSTEM

FINGER PRINT METHOD OF CRIMINAL IDENTIFICATION TO BE INSTALLED BY DESCHUTES COUNTY SHERIFF.

(From Friday's Daily.)

Deschutes county is going to keep tabs on law violators in the most up-to-date manner, Sheriff Roberts, with the approval of the county court, is installing the finger print method of identification which is recognized as the most efficient method extant.

When Judge Barnes and Commissioner Smith were in Portland on road business Tuesday, they consulted with the Multnomah county authorities, at Sheriff Roberts' request and investigated at first hand the thumb mark system. As a result the local officials are all agreed the county should start this system and the necessary equipment, which is of slight cost, has been ordered and will be installed by Mr. Roberts.

The system involves the taking of finger prints of men arrested here. Copies of these will be exchanged with the Portland authorities and others interested. The prints, which are impressed upon cards after the tips have been coated with a special ink, provide absolutely certain method of identification. They have been found far more efficient, as well as simpler, than Bertillon measurements.

Various police centers maintain libraries of the finger print cards. If a suspect was arrested here, for instance, it would simply be necessary to send his card to Portland or wherever he might be "wanted" to ascertain his identity. Thus far only two counties in the state have installed the modern method, and the Portland authorities are much pleased that the local officials are taking hold of the matter.

OCHOCO BONDS ARE APPROVED

\$900,000 GETS STATE SANCTION—BUILDING OF DAM TO IRRIGATE 22,000 ACRES NOW MADE POSSIBLE.

(From Wednesday's Daily.)

SALEM, Aug. 15.—(Special.)—The Irrigation Securities commission yesterday approved the \$900,000 bond issue for the Ochoco irrigation project, the issue being intended to finance the building of a dam six miles above Prineville, which will store 47,000 acre feet of water.

This, with the regular flow of the Ochoco, will irrigate 22,000 acres of the 35,000 acres in the district.

The approval of the bonds makes them available as securities for trust companies, banks and similar institutions for deposits required by the state.

WILL PREVENT STOCK DISEASE

900 CATTLE WILL BE VACCINATED.

Blackleg Feared on Crane Prairie Range and Authorities are Willing to Take No Chances—Five Work on Sanitation.

(From Wednesday's Daily.)

Working to forestall a possible epidemic of blackleg among the cattle grazing on Crane Prairie, some 1600 head in all, vaccination on a wholesale scale will be commenced tomorrow by representatives of the Upper Deschutes Cattle Association, and employes of the Deschutes national forest. Association representatives who left this morning, R. E. Grimes, M. S. Mayfield, Leland Casey and William Vandever, carried with them 600 doses of vaccine, while 200 more doses have been sent for. Forestry men now at Crane Prairie, John Kuhns, Burton Oney, Frank Childers and Ovid Riley, will aid in rounding up every head of stock on the range, in constructing a chute and corral, so that every animal between the age of four months and two years, the period when cattle are most susceptible to the disease, may be rendered immune.

Carcasses Burned.

In the meantime, the rangers are burning the carcasses of the few cattle not already disposed of, eliminating danger of the future spread of the disease, as well as insuring continued purity of the water.

The attention of the forestry office was first called to the danger existing in the Crane Prairie section last week, when a total of death among young stock in five weeks was more than 20, an abnormal ratio. The carcasses had been disposed of as rapidly as found, but the large number aroused the suspicion of the foresters, and County Agriculturalist Blanchard was sent for to make a more thorough examination. He returned yesterday from Crane Prairie, stating that the disease was probably blackleg, and advising wholesale vaccination as a precautionary measure.

Blackleg Most Likely.

There is a chance, Mr. Blanchard explained, that the disease might be a form of blood poisoning, but he advised that no risks be taken.

The Crane Prairie range is one of the richest in Central Oregon, and the forestry office is dropping everything else for the next few days to eliminate sources of danger and possible loss to the stockmen.

Man Drafted From Redmond has Heart on the Right Side

(From Friday's Daily.)

Lauria B. Redifer's heart was on the right side, but the wrong place, examining physicians decided yesterday when Redifer, who falls from Redmond, came up for examination for the army draft. Redifer was rejected, but for other causes, the fact that his blood circulation had headquarters in an unusual place not being deemed a cause for dismissal by the examiners. Physicians state that individuals wearing their hearts on the right side are extremely rare, and as far as is known, the case of young Redifer is only the second in the state since the examination of recruits was started when war was first declared. Sergeant Charles Davis, in charge of the recruiting for the regular army, has been pensive at the examination of more than 5000 men since he entered this branch of the work, but he declares that Redifer's case is the first of the kind he has ever seen.

The draft board was busy again this morning, but not on examination, their work being confined to checking over the results of the three days' pres-tous, and in filling out fresh blanks required by draft regulations.

(Continued on last page.)