

PROPER SEEDING AND WATERING OF LANDS INCREASE PRODUCTION

Soil is Basis of Agriculture Water is Next

SAVE WATER DOUBLE IRRIGATED AREA

Drainage and Improvement of Irrigated, Alkali Lands are Being Studied

(From Department of Industrial Journalism, O. A. C.)

Proper seeding and watering of lands and management of soil and water to maintain or increase production are the main purposes of the soil investigations conducted by the Oregon Experiment Station through W. L. Powers, chief of soils.

"Soil is the basis of all agriculture and its continued fertility is fundamental to permanent prosperity," says Professor Powers. "Next to the soil, water furnishes the supply of white coal that gives value to arid lands.

"Dry farming is made practicable only through the saving of moisture. The necessity of irrigation in western Oregon can be obviated only by careful storage of spring rain. Under irrigation, it is fundamental to utilize all natural precipitation as far as possible. A gain of three bushels of grain per acre was obtained at the Moro branch station by early plowing and a similar benefit by clean cultivation.

"Introduction of the strip method of irrigation, the determination of size and length of run saved much time, water and money. Introduction of improved crops such as alfalfa and timothy has doubled the yield and improved the quality of hay with about half the water required for the wild grasses. Some 6000 acres have been converted from wild grass to clover and timothy meadows.

"A saving of 50 per cent of the water now used would double the irrigated areas in sections where cultivated areas are limited by the available water for irrigation."

Best methods of tilling white lands in western Oregon have already been ascertained. An experimental drainage system has been installed at the Astoria branch station and data has been obtained on reclamation of tide and overflow lands.

Drainage and improvement of irrigated, water logged and alkali lands are also being studied. The 3,000,000 acres of wet lands in Oregon are said by Professor Powers to offer promise of increasing production.

Agricultural and soil surveys have been made on most of the irrigation and drainage projects to determine the extent, properties and adaptability of different soils. Altogether 2 1/2 million acres have been reported on as feasible.

General soil surveys have been made by the station on a reclamation project of 2 1/2 million acres. Six areas have been soil surveyed by the federal bureau of soils. Detailed survey by the government and college has been completed for five counties.

These surveys show the character of soil on each farm. The maps are of great value to prospective settlers and farmers in the management of their soils.

Boost for the home town, and give the town an opportunity to boost for you.

Residents of the large cities are at the mercy of the profiteers. Apparently it is a boost for every kick.

Life is one long series of giving an dtaking, with everybody wanting to take.

Nineteen twenty starts out bravely, but only the Lord knows how she will stagger in at the home stretch.

It takes a smart man to be a public official these days. No one of ordinary intelligence could grind out the daily excuses for inaction without repeating.

NOTICE OF ELECTION FOR ORGANIZATION OF AN IRRIGATION DISTRICT UNDER THE NAME OF HARNEY VALLEY IRRIGATION DISTRICT AND FOR ELECTION OF DIRECTORS THEREFOR.

NOTICE IS HEREBY GIVEN, That on Tuesday the 10th day of February, 1920 an election will be held in Harney County, Oregon at the polling places and within the voting precincts hereinafter described, for the purpose of determining whether or not an irrigation district to be known as HARNEY VALLEY IRRIGATION DISTRICT shall be organized under the provisions of Chapter 357, Laws 1917, of the State of Oregon, and acts amendatory thereof.

The boundaries of said proposed irrigation district are as follows, to-wit:

Beginning at the Northwest corner Sec. 23, Twp. 22 S. R. 30 E. W. M.; thence east to quarter corner on north line said Sec. 23; thence south to center Sec. 23; thence east to center Sec. 24; thence south to quarter corner on north line Sec. 24; thence east to northeast corner Sec. 25; thence south on range line to northeast corner Sec. 26; thence east to northeast corner Sec. 31 Twp. 22 S. R. 31 E. W. M.;

thence south to quarter corner on east line Sec. 31; thence east to center Sec. 31; thence south to northwest corner of SW 1/4 SE 1/4 Sec. 32; thence east to northeast corner of SE 1/4 SE 1/4 Sec. 32; thence south to southeast corner Sec. 32;

Thence east to Northeast corner Sec. 3, Twp. 23 S. R. 31 E. W. M.; thence south to Northeast corner Sec. 15; thence east to quarter corner on north line Sec. 13; thence south to quarter corner on south line Sec. 13; thence east to southwest corner SE 1/4 SE 1/4 Sec. 13; thence north to northwest corner SE 1/4 SE 1/4 Sec. 13;

Thence east to northeast corner SE 1/4 SW 1/4 Sec. 18 Twp. 23 S. R. 32 E. W. M.; thence north to center Sec. 18; thence east to quarter corner on east line of Sec. 18; thence south to southeast corner Sec. 18; thence east to northeast corner Sec. 20; thence south to southeast corner Sec. 20; thence east to quarter corner on north line Sec. 20; thence south to center Sec. 20; thence west to quarter corner on west line of Sec. 20; thence north to quarter corner on north line Sec. 20; thence east to southeast corner Sec. 19; thence north to quarter corner on east line Sec. 19; thence west to center Sec. 19; thence north to quarter corner on north line Sec. 19; thence west to northwest corner Sec. 19; thence south on range line to northwest corner Sec. 31; thence east to quarter corner on north line Sec. 31; thence south to southeast corner NE 1/4 SW 1/4 Sec. 31; thence west to southeast corner Lot 3, Sec. 31;

Thence south to southeast corner Lot 4 Sec. 6 Twp. 24 S. R. 32 E. W. M.; thence east to northeast corner of SE 1/4 NW 1/4 Sec. 6; thence south to northwest corner SW 1/4 SE 1/4 Sec. 6; thence east to northeast corner SW 1/4 SE 1/4 Sec. 6; thence south to southeast corner SW 1/4 SE 1/4 Sec. 6; thence west to quarter corner on south line Sec. 6; thence south to center Sec. 7; thence east to northeast corner NW 1/4 SE 1/4 Sec. 7; thence south to southeast corner NW 1/4 SE 1/4 Sec. 7; thence east to quarter corner on north line Sec. 17; thence south to northeast corner of SE 1/4 NW 1/4 Sec. 17; thence east to northeast corner SE 1/4 NE 1/4 Sec. 17; thence south to quarter corner on east line Sec. 17; thence east to northeast corner NW 1/4 SW 1/4 Sec. 16; thence south to southeast corner NW 1/4 SW 1/4 Sec. 16; thence east to northeast corner SE 1/4 SW 1/4 Sec. 16; thence south to center Sec. 21; thence east to quarter corner on east line Sec. 21; thence south to northeast corner Sec. 25; thence east to northeast corner Sec. 27; thence south to quarter corner on east line Sec. 27; thence east to center Sec. 26; thence south to quarter corner on south line Sec. 26; thence east to quarter corner on south line Sec. 25; thence south to center Sec. 36; thence east to quarter corner on east line Sec. 36; thence south to southeast corner Sec. 36;

Thence east on Twp. line to northeast corner NW 1/4 NW 1/4 (being Lot 4) Sec. 5 Twp. 25 S. R. 32 1/2 E. W. M.; thence south to the northwest corner of NE 1/4 SW 1/4 Sec. 5; thence east to quarter corner on east line Sec. 4; thence south to quarter corner on west line Sec. 10; thence east to center Sec. 10; thence south to quarter corner on south line Sec. 10; thence east to northeast corner NW 1/4 NW 1/4 Sec. 14; thence south to southeast corner SW 1/4 NW 1/4 Sec. 14; thence east to center Sec. 14; thence south to southeast corner NE 1/4 SW 1/4 Sec. 14; thence west to southwest corner NW 1/4 SW 1/4 Sec. 14; thence south to the point where Sec. line between Sections 22 and 23 intersect last meander line of Malheur Lake; thence in a general southwesterly direction to where the south line Lot 9 Sec. 22 intersects such meander line; thence west to southwest corner Lot 9 Sec. 22; thence north and northeasterly along west line Lots 9 and 7 Sec. 22 to northwest corner said Lot 7; thence east to northeast corner said Lot 7; thence north to northwest corner NE 1/4 NE 1/4 Sec. 22; thence west to quarter corner on north line Sec. 20; thence south to quarter corner on south line Sec. 20; thence east along south line Lot 6 Sec. 20 to a point where same intersects meander line of Malheur Lake; thence southwesterly along such meander line to point where same intersects Section line between Sections 30 and 31; thence west along such Sec. line to where same intersects the channel of Silves River where same enters Lot 1 Sec. 31; thence southeasterly down the channel of Silves River through Lot 1 Sec. 31 to where same intersects meander line of Malheur Lake;

Thence in a general southwesterly direction along such meander line to southwest corner Lot 10 Sec. 3 Twp. 26 S. R. 32 E. W. M.; thence north to northwest corner Lot 9 Sec. 3; thence west to southwest corner Lot 5 Sec. 3; thence north to northwest corner Lot 3 Sec. 3;

Thence east to quarter corner on south line Sec. 34 Twp. 25 S. R. 32 E. W. M.; thence north to center Sec. 34; thence west to southwest corner Lot 7 Sec. 34; thence north to northwest corner said Lot 7; thence northwesterly along south line Lots 4 and 5 Sec. 34 to southwest corner said Lot 5; thence north on Sec. line to northwest corner SW 1/4 SW 1/4 Sec. 27; thence east to northeast corner SW 1/4 SW 1/4 Sec. 26; thence north to northwest corner Lot 3 Sec. 26; thence east to center Sec. 26; thence north to northwest corner Lot 2 Sec. 26; thence west to southwest corner of NW 1/4 NW 1/4 Sec. 26; thence north to southwest corner Sec. 23;

Thence west to quarter corner on north line Section 14; thence east to northwest corner NE 1/4 NE 1/4 Sec. 14; thence north to northwest corner NE 1/4 SE 1/4 Sec. 1; thence east to quarter corner on east line Sec. 1, being range line;

Thence north on Range line to southeast corner Sec. 24 Twp. 24 S. R. 31 E. W. M.; thence west to southwest corner Sec. 36; thence north to quarter corner on west line Sec. 36; thence west to center Sec. 35; thence west to southwest corner Sec. 27; thence north to northwest corner Sec. 27; thence west to quarter corner on south line Sec. 19; thence north to center Sec. 19; thence west to quarter corner on west line Sec. 19 being range line; thence north to northwest corner Sec. 19; thence west to southwest corner Sec. 13; Twp. 24 S. R. 30 E. W. M.; thence north to northwest corner Section 36 Twp. 23 S. R. 30 E. W. M.; thence east to northeast corner Sec. 36, being range line;

Thence north on range line to northwest corner Sec. 15 Twp. 23 S. R. 31 E. W. M.; thence east to quarter corner on north line said Sec. 18; thence north to northwest corner SW 1/4 SE 1/4 Sec. 7; thence east to the west bank of Silves River; thence in a general northwesterly direction along the west bank of such Silves River and following the meander line thereof to where same is intersected by section line between Sections 6 and 7;

Thence west to southeast corner Sec. 1 Twp. 23 S. R. 30 E. W. M.; thence south to southeast corner NE 1/4 NE 1/4 Sec. 12; thence west to southwest corner NW 1/4 NE 1/4 Sec. 12; thence north to northeast corner NW 1/4 NE 1/4 Sec. 12; thence west to southwest corner Sec. 1;

Thence north to northwest corner Sec. 36 Twp. 22 S. R. 30 E. W. M.; thence west to quarter corner on south line Sec. 26; thence north to center Sec. 26; thence west to quarter corner on west line Sec. 26; thence north to the northwest corner Sec. 23, being the place of beginning.

The electors at said election shall cast ballots which shall contain the words—"Irrigation District—Yes" and "Irrigation District—No" or words equivalent thereto, and shall also cast ballots for three persons for directors for said irrigation district.

All of that part of said proposed district situate north of a line running from the Northwest corner of Sec. 27 Twp. 24 S. R. 31 E. W. M. to the northwest corner of Sec. 27 Twp. 24 S. R. 32 E. W. M. has been designated by the Court as Precinct Number One of said proposed irrigation district and the polling place thereof fixed at the office of the William Hanley Company in Sec. 21 Twp. 23 S. R. 31 E. W. M.; All that part of said district south of said line running from the northwest corner of Sec. 27 Twp. 24 S. R. 31 E. W. M. to the northwest corner of Sec. 27 Twp. 24 S. R. 32 E. W. M. has been designated by the Court as Precinct Number two of said proposed irrigation district, and the polling place thereof has been fixed at the residence of Lloyd Johnson in Sec. 8 Twp. 25 S. R. 32 1/2 E. W. M.

At said election the polls thereof shall be opened at 8 o'clock in the forenoon and remain open until 8 o'clock in afternoon of said day.

Done by order of the County Court of Harney County, Oregon made and entered at Burns, Oregon, January 7th, 1920.

CHESTER DALTON (SEAL) County Clerk

20,000 Acres --- SAGEBRUSH LANDS --- with water rights for sale on Blitzen River in tracts of 80-Acres or more. Reasonable prices---one-fifth cash balance easy terms, six per cent interest. Eastern Oregon Live Stock CRANE Company OREGON

southwest corner Lot 10 Sec. 3 Twp. 26 S. R. 32 E. W. M.; thence north to northwest corner Lot 9 Sec. 3; thence west to southwest corner Lot 5 Sec. 3; thence north to northwest corner Lot 3 Sec. 3;

Thence east to quarter corner on south line Sec. 34 Twp. 25 S. R. 32 E. W. M.; thence north to center Sec. 34; thence west to southwest corner Lot 7 Sec. 34; thence north to northwest corner said Lot 7; thence northwesterly along south line Lots 4 and 5 Sec. 34 to southwest corner said Lot 5; thence north on Sec. line to northwest corner SW 1/4 SW 1/4 Sec. 27; thence east to northeast corner SW 1/4 SW 1/4 Sec. 26; thence north to northwest corner Lot 3 Sec. 26; thence east to center Sec. 26; thence north to northwest corner Lot 2 Sec. 26; thence west to southwest corner of NW 1/4 NW 1/4 Sec. 26; thence north to southwest corner Sec. 23;

Thence west to quarter corner on south line Sec. 23 Twp. 25 S. R. 31 E. W. M.; thence north to quarter corner on north line Section 14; thence east to northwest corner NE 1/4 NE 1/4 Sec. 14; thence north to northwest corner NE 1/4 SE 1/4 Sec. 11; thence east to quarter section corner on east line Sec. 11; thence north to northwest corner Sec. 12; thence east to southwest corner of SE 1/4 SE 1/4 Sec. 1; thence north to northwest corner NE 1/4 SE 1/4 Sec. 1; thence east to quarter corner on east line Sec. 1, being range line;

Thence north on Range line to southeast corner Sec. 24 Twp. 24 S. R. 31 E. W. M.; thence west to southwest corner Sec. 36; thence north to quarter corner on west line Sec. 36; thence west to center Sec. 35; thence west to southwest corner Sec. 27; thence north to northwest corner Sec. 27; thence west to quarter corner on south line Sec. 19; thence north to center Sec. 19; thence west to quarter corner on west line Sec. 19 being range line; thence north to northwest corner Sec. 19; thence west to southwest corner Sec. 13; Twp. 24 S. R. 30 E. W. M.; thence north to northwest corner Section 36 Twp. 23 S. R. 30 E. W. M.; thence east to northeast corner Sec. 36, being range line;

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Was in Bed For Six Long Months

Was Able To Be Up in Three Weeks After Taking Tanlac-Gains 20lbs

"I was in bed for six months with stomach trouble and rheumatism and Tanlac alone deserves the credit for my recovery and present fine health. I have gained twenty pounds, enjoy working hard every day and I feel like I had never been sick in my life."

This remarkable statement was made by Mr. George Gregoire, a popular longshoreman who resides at 2718 Third Ave., Northwest, Seattle, recently. Mr. Gregoire has lived in Seattle for twelve years and is well known to hundreds of people. Continuing he said:

My trouble started a year or more ago and I got gradually worse all the time. My appetite left me and what I forced myself to eat would not digest, always causing a severe pain in my stomach and shortness of breath. Fat greasy things and meats were like poison to my system. I got weak as a kitten and then the rheumatism laid hold of me so bad, especially in my knees, that I could hardly drag myself about. My kidneys seemed to give way too and I had pains in my back so bad I could not stoop over. My head ached so it seemed like it would simply split in two and I would get so dizzy I would have to hold on to something to keep from falling. I was so uncomfortable and restless at night that I would toss about nearly all night without getting more than a third of the sleep I needed and I lost so much weight and got so bad off I finally got completely down and out. As I said before I had been bedded for six months and no kind of medicine or treatment seemed to do me any good whatever.

I was in this condition when I decided to give Tanlac a trial and it got me out of bed in three weeks and has made a different man of me. Tanlac alone did it, as I said before, I have now taken six bottles and every one of my former troubles are gone entirely. I eat three big meals a day, and never have the least trouble with my stomach. My kidneys are in fine shape and the rheumatism is a thing of the past. I do my work so easily now I surprise the men who work with me, and I will never cease to be grateful to Tanlac for the wonderful way it has put me on my feet.

"I can't ever say enough good for this great medicine."

Tanlac is sold in Burns, by Reed Bros., and in Crane by Vale Trading Co.

Beat it, fellows! This is leap year and 5,000 girls are rushing over from England on a rampage for husbands.

Mrs. Byrd May Jettie Giddens Orman Knobloch Maguire was recently wed in Chicago. The parson, we presume, pronounced it in installments.

Europe, unable to pay even the interest on the billions already loaned to it, now naively asks that Uncle Sam drop another \$35,000,000,000.00 into its bankrupt hopper. Figuring it out per capita, your share would be approximately \$350. Cough up!

Our idea of a henpecked husband is—but, on second thought, we have no idea. We have to go home again.

Our olive devil modestly insists that the only way to restore women to normal in the matter of dress is to strike all males blind except office devils.

A clipping is going the rounds to the effect that wealth decreases rather than increases human happiness.

When cataloguing the frailties your neighbor, it might be well remember that he is probably acting you the same brand of course.

MORE MONEY FOR FURS Let us sell your furs by competitive bid at our big sales which will take place Jan. 8 Feb. 19 April 22 Jan. 22 March 18 May 27 our sales are attended by buyers from all over the country who turn in sealed bids on your furs. Its the modern way to sell furs and assures you the highest possible price. A post card will bring further particulars. FRED CRUMP Gen. Mgr. NORTH AMERICAN FUR SALES CO. 301 Delaware St. Kansas City, Mo.

OUR RELIABLE PLUMBING

Consider the egotism we adjective our heading with.

REAL SERVICEABLE PLUMBING

is something you seldom find because usually a patch isn't nearly as good as a confident mending or a new part.

WE WILL NOT PATCH UNLESS

we know that it is the best service we can give you. We get to the bottom of the trouble and repair it accordingly.

CALL ON US WHEN YOU NEED WORK IN OUR DIRECTION DONE QUICKLY AND PERMANENTLY.

Radiator repairing a speciality

BURNS HARDWARE

Will SOMETHING Happen to make you rich?

A rich uncle may die and leave you a roll, but few rich uncles have this habit.

If you get rich the chances are you will first have to save enough money in order to make an investment that will pay.

There are plenty of investments for the man with a little ready cash.

But it is up to you to save cash. The best policy is to deposit a portion of your salary.

A Bank is better than a hole in your pocket through which your money can slip away. Make our Bank YOUR Bank.

CRANE STATE BANK CRANE, OREGON



Don't Depend on Spring Deliveries

Spring deliveries of Ford cars have never been certain, and they should not be depended upon. Demand has always been greater for Ford cars than the supply or production. So, if you would be sure of having a Ford car, buy it now while deliveries are possible. Don't wait—even next month is an uncertainty.

Only a limited, specified number of cars has been allotted to this territory. That allotment cannot be increased, because the demand all over the country is greater than the supply or production. Get your order in now, and you will be one of those who is sure of a Ford car out of our allotment.

It's first come—first served. All orders are filled in rotation. So, if you would be forehanded, if you would be certain of having a Ford car when you want it—then you will buy a Ford car now. A signed order with us is your protection. It is the result of the wisdom of looking ahead.

If you buy a Ford car now, don't think you have to "store" it. The Ford is a car made to serve its owner for business or pleasure throughout the entire year. Ford owners have long since come to recognize the fact. It is no longer popular to "lay-up" your car for the winter. Buy a Ford car now, and use it now.

BURNS GARAGE See the DELCO LIGHTS BURNS, OREGON

Insist on Genuine Ford Parts