

# The Madras Pioneer

Published every Thursday by  
THE PIONEER PUBLISHING CO.

**SUBSCRIPTION RATES:**  
One year.....\$1.50  
Six months......85  
Three months......50

**ADVERTISING RATES ON APPLICATION**

Entered as second class matter August 29, 1904, at the Postoffice at Madras, Ore., under the Act of Congress of March 3, 1879.

THURSDAY - JAN. 7, 1908

Considering the amount of snow that has fallen in this section the past four days, with the consequent prospect of bountiful crops, it would, perhaps, seem useless to advocate the scientific tillage of soil for this locality. Nevertheless, it will be found that the farmer who has put his soil in proper condition for the reception of this moisture, will to that extent harvest a better crop, both as to quality and quantity, than the man who has merely plowed and harrowed his field, with no thought of scientific cultivation.

## HOGS AS MONEY-MAKERS

Oregonian

Among the many talks made to farmers by Dr. Withycombe, director of the experiment station of the state agricultural college, at various points where the farmers' demonstration train halted in its progress up and down the Willamette valley some time ago, that in which he introduced hogs as money-makers for Oregon farmers was one of the most practical and easily understood and applied. Every careful farmer has demonstrated from time to time on a small scale the fact that excellent pork can be produced, even though, in the sense in which corn grows in the Middle West, Oregon is not a corn state. In past years when the price of wheat not infrequently fell to 50 cents a bushel, and when to get the surplus to market meant a long haul and sometimes a night encampment by the roadside, the thrifty farmer "turned his wheat into pork with substantial profit. The product was firm and sound; the lard, as the housewives said, "sweet as a nut," and the hams and bacon turned out of the farm smokehouse were toothsome and well preserved.

These methods of curing pork belong, of course, to the past, and are cited simply to show that Dr. Withycombe spoke truly when he said that corn is not necessary to produce the best grades of pork. Barley, wheat-chop, peas and skim milk, supplemental to a Fall run in clover, alfalfa and stubble fields, will make excellent hogs—not to be butchered on the farm in the old way, but hogs that will stand shipment in good shape and make first-class pork.

Canvassing the matter thoroughly and taking every detail of feed, care and handling into account, Dr. Withycombe assesses the hog as next to the cow, Oregon's best mortgage lifter. The truth of this estimate has been proven in times past when the market for grain was at a low ebb and it became necessary to lift the mortgage or vacate the old farmhouse. The hogs could always be depended upon to do their full share, and pork was always in demand, even when a day's receipts of fruit and vegetables would glut the Portland market.

## SCIENTIFIC FARMING MAKES BETTER QUALITY

For the past two years the staff of the Agricultural College of the state of Washington experiment station has been carrying on an extensive line of experimentation to discover a "dry farming" method, through which the crop yield of the so-called "dry" sections of the state and northwest could be increased. The work has been under the personal supervision of Professor George Severance, formerly agronomist of the station, and recently made head of the department of agriculture. Final results from the experiments have not been compiled, but it is known that the method of farming semi-arid soils advocated by Professor Severance will in all cases improve the quality of the cereals grown, and there is good reason for believing that the acreage yield will be increased.

"We know that a superior quality of grain can be grown under the methods of scientific tillage for the dry sections," says Professor Severance. "During the past season we have tried both methods in fields side by side, and the results prove this.

"In working out a system of tillage for a very dry wheat field, the station recognizes that the vital problem is to catch and hold as perfectly as possible the rainfall of two years for the growth of one crop. Farmers should plan to do this. They will profit by so doing.

"In this system summer fallowing becomes necessary on account of the extreme dryness of the climate. The methods we advocate are as follows:

"Land that is summer fallowed should be disced as soon as spring has opened, in order to form a mulch of loose, dry earth on the surface to prevent the rise and escape of the moisture from below. This discing also helps to induce the germination of weed seeds, so that they will be destroyed when the plowing is done later. As soon as spring work is done, this disced land should be plowed as soon as possible. Then instead of leaving the plowed land untouched, as is frequently the case, a (Campbell) sub surface packer, which consists of skeleton wheels that sink into the furrow, is made to follow the plow as closely as possible.

"This packing process prevents the drying out of the furrow, and at the same time the form of the tool is such that the surface of the soil is left almost untouched, thus avoid the condition that is raised against most compacting tools: that they 'fine' the soil and encourage drifting.

"Cultivation throughout the summer must be sufficient to keep the weeds down, and should be done with some knife type of cultivator. The reason for using this type of cultivator is to keep the weeds thoroughly cut off with the least amount of working over of the loose mulch on the surface. If sufficient cultivation is given with a spike tooth harrow or a point shovel cultivator to keep the weeds down, the surface is made so fine that it will drift badly, and it is likely to run together and puddle or bake.

"The vital points are the early discing and use of the sub-surface packer immediately after the use of the plow, and a tool that does the minimum of pulverizing at the surface."

Western Farmers Practice Scientific Tillage Of Soil.

"I am surprised to find the extent to which the farmers of Washington understand and practice scientific tillage as I advocate it," is the statement made by H. W. Campbell, scientific farmer, from Lincoln, Nebraska, who is giving a series of lectures to farmers of

eastern Washington under the auspices of Washington state agricultural college, says the Spokesman-Review.

"One of the things we insist upon in preparing the soil is a packer, or the use of something which will accomplish the same purpose. The packer is a series of discs on which the body of the machine rides, turning on a long axle. The edges of the discs are beveled on each side, so that there is a downward and lateral push given the soil, packing it thoroughly at a depth of seven or eight inches and insuring the proper proportion of air and water.

"I found in my trip last week that a number of the farmers here have these machines and understand their use. I knew that our publication had considerable circulation in Washington, but did not know to what extent they had adopted our methods. I was told at the Washington state college that the subject had been talked and taught there for several years and that one of the packers was carried on an exhibit train which went around the country a while ago.

"The packing of the soil is particularly beneficial in this country where the volcanic ash has a tendency to loosen up anyway. The system of mulching the surface of the soil is generally followed here, but the benefit of packing below the surface are not commonly secured."

## MRS. NEWBILL DEAD

Mrs. Newbill, mother of Mrs. Lee Moore of Lamonta, died at Grizzly last Friday, aged 92 years and 11 months. Mrs. Newbill was born in Kentucky, and was the mother of 15 children, most of whom survive her. Her husband died in the 'seventies. The funeral has held last Sunday and the service was conducted by Elder B. F. W. Pitman.



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**NOTICE FOR PUBLICATION—**  
United States Land Office, The Dalles, Oregon, Nov 11, 1908. Serial No. 0475. Notice is hereby given that Avery T. Holmes, by Judson P. VanHouten, attorney in fact has filed his application to select, under the provisions of the Act of June 4, 1897, (30 Stat., 86) the sw $\frac{1}{4}$  sec 15, tp 11 s, r 15 e, and nw $\frac{1}{4}$  sec 27, tp 11 s, r 15 e, w. m.

Any and all persons claiming adversely to said selection, or desiring to protest against the same, on account of mineral character of the land, or for other reasons, should file their protests in this office not later than January 14, 1909.

C. W. MOORE,  
Register.

**A Good Clubbing Offer**  
We have arranged for a clubbing rate with the publishers of Campbell's Scientific Farmer and are able to offer it to our subscribers for only 50 cents in addition to the subscription price of the Pioneer. This offer applies to both new subscriptions and renewals of old subscriptions. The Scientific Farmer is edited by Mr. H. W. Campbell, the originator of what is known as the "Campbell system" of dry farming. His magazine is filled with useful information for the farmer in sections where the rainfall is deficient or irregular, and every farmer in this section should be a subscriber. The regular subscription price is \$1 per year.

**NOTICE FOR PUBLICATION. U. S. Land Office, The Dalles, Oregon, Dec. 21, 1908.** Notice is hereby given that the State of Oregon has filed in this office its application, Serial No. 09083, to select under the provisions of the Act of Congress of August 14, 1848, and the Acts supplementary thereto, the nw $\frac{1}{4}$  sec 28, tp 10 s, r 14 e, W. M.

Any and all persons claiming adversely the lands described, or desiring to object because of the mineral character of the land, or for any other reason, to the disposal to applicant, should file their affidavits of protest in this office, on or before the 2nd day of February, 1909.

C. W. MOORE,  
Register.

**CONTEST NOTICE.** Department of the Interior, U. S. Land Office, The Dalles, Oregon, November 18, 1908. A sufficient contest affidavit having been filed in this office by EDWARD E. ECHELBERGER, contestant, against homestead [Serial No 01371] entry No. 15547, made June 19, 1907, for sec 22, tp 10 s, r 14 e, w. m, by Clyde R. Anderson, Contestee. In which it is alleged that said Clyde R. Anderson has wholly abandoned said tract for more than six months last past and that said abandonment still exists; that said alleged absence was not due to his employment in the army, navy or marine corps of the United States in time of war.

Said parties are hereby notified to appear, respond and offer evidence touching said allegation at 10 o'clock a. m. on January 5, 1909, before Max Lueddemann, a notary public, at his office in Madras, Oregon, and that final hearing will be held at 10 o'clock a. m. on January 12, 1909, before the Register and Receiver at the United States Land Office in The Dalles, Oregon. The said contestant having, in a proper affidavit, filed November 16, 1908, set forth facts which show that after diligent personal service of this notice can not be made, it is hereby ordered and directed that such notice be given by due and proper publication.

C. W. MOORE,  
Register.

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