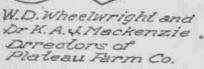
SCIENTIFIC METHODS ARE MAKING ARID LANDS PRODUCTIV

Plateau Farms Company's Success in Gilliam County, Under Direction of Professor Scudder and "Farmer" Smith, Are Related by Addison Bennett, Who Makes Appeal to Other Agriculturists.





SCIENTIFIC FARMING MAY AF-FECT GREAT AREA.

The problem-To increase the fertility and productiveness of an im-monso territory in arid sections of Oregon, east of Cascades.



The experimenters—Fortland capitalists who compared that these are not higher than the priced in all sates taking place at prices ranging from \$15 to \$25 an acr.

The experimenters—Fortland capitalists who compared the Plateau Farms Company, owning 6000 acres of the in Gilliam County.

The regular cultivation and crop rotation as recommended by acres of the Plateau Farms Company which is a called into committee and crop rotation as recommended by acres of the present cultivation and crop rotation as recommended by acres of the present cultivation and crop rotation as recommended by a company the showing has been most favorable and may lead to revolutionizing farming methods in the wheat belt.

BY ADDISON BENNETT.

ANUMBER of years ago, before the O.-W. R. & N. branch was built from Arlington to Condon, some enterprising gentlemen of this city purchased something like 6000 acres of land in Gilliam County, the purchasers operating under the corporate name of the Plateau Farms Company. With the sees another that looks better to laim in Gilliam County, the purchasers operating under the corporate name of the Plateau Farms Company. With the seed of the president of the company. Peter not paying the question these gentlemen of the Plateau Farms Company with the superfutent extent the control of the president of the company. Peter the president of the company. Peter the president of the company, with the superfutence is as extensive as "Extra the first the off year we can raise something of value" and such as well raise something of value. They were down 330 feet, while and the president of the company. Peter the president of the company. Peter the president of the company, with the superfutent extent of the president of the company, owning in the stock.

The server of year we continue the seeds were supposed to be so districted the president of the company, owning and the stock.

The server of the free president of the company, owning and the stock.

The server of the president of the company, owning and the stock.



April. The last year's crop is headed out and filled with seed, the plants being almost four feet high. Suppose it harvests only 100 pounds an acre, suppose the price is only 15 cents a pound. Why, even at that it beats 15 bushels of wheat at 80 cents a bushel. But it locks like it would run 150 pounds, and the yield is sold for 20 cents a pound, or \$30 an acre. All of this has been cultivated from four to six times, but eight acres a day can be cultivated by a man and two horses. Less work than working out the weeds in Summer fallowing. There will be three or four months' good pasturage after the seed alfaifs is harvested.

Corn Care Equals Fallow.

Field of Polatoes.

the seed alfaifa is harvented.

Corn Care Equals Failow.

Here are 120 acres of corn on land that was in wheat last year. It will run around 12 or 15 bushels to the acre—and the fodder. The care of the corn crop is not much in excess of Summer failowing. Does the Scudder method, the Farmer Smith method pay? Go out to these farms and see!

Here are 35 acres in field peas on Summer failowed ground. They will be harvested before this letter is printed. They were not planted thick enough. All of this work is in its experimental stage. Men can scarcely be hired who will follow the advice of the owners and the scientists. But in spite of having the peas too thin in the rows they will yield upwards of 700 pounds to the acre, worth in any market 4 cents a pound! In place of Summer fallow! And the crop enriches the ground! It will yield a large crop of wheat next year, Do scientific methods avail anything?

Here we are down to farm number one, the home farm, so to speak. Mr.

mer fallow! And the crop enriches the ground! It will yield a large crop of wheat next year. Do scientific methods avail anything?

Hore we are down to farm number one, the home farm, so to speak. Mr. Van Winkle, a young man of rare intelligence, manages this place. His wife, a superfor woman, looks after the turkeys and has 160 fine young ones to range and seeds from the fields. Here are 650 acres in wheat and barley. Look around! Look around carefully! There are 160 acres in wheat and barley. Look around! Look around carefully! There are 160 acres in wheat and barley. Look around has planted its of that later, when we get to the fields planted last year. Here on farm No. 2 are also 144 acres of potatoes, which have been cultivated five times, which will yield a large egg, with several smaller once. These were planted April 15. We pulled several hills and they averaged six good spuds to the hill and larger than a large egg, with several smaller once. Now remember this is on land that has had during the last twelvementh a rainfall of perhaps less than eight inches. "It's the cultivation" that does the business.

On farm No. 5, 13 miles southwest of Arlington, there are 1600 acres in cultivation. By the way, I said nothing about the wheat on farm No. 5, and it will run pwards of 18 bushels to the acre, while the farms around it will run from 12 to 15 bushels. Reason? Better cultivation and more cultivation to keeping the weeds from sapping the moisture last year.

Here we are down to farm the felles left and you will not discern a weed! Dook around carefully! There are 650 acres in wheat and barley. Look around: Look around: Look around: Look around: Look around: Look around: Look around and barley. Look around: Look around carefully! There are 650 acres in wheat and barley. Look around: Look ar of the week started in what seems to the stock, which of the greater portion of this land is the greater portion of this land is the rural districts of overen than 1,2 and 3. No. 1 has about 200 acres and No. 5 2000 from the stock of the s

Sunday Services in City Churches

BAPTIST.

First, White Temple, Twelfth and Taylor streets—Ministers, Hev. W. B. Hinson and Rev. F. A. Agar. 10. Bible school, classes for all agas; 11, preaching by Rev. William Hay, theme, "Christian Witnesses in the Twentisth Cantury"; 6:13, B. Y. P. U.; 7:39, preaching by Rev. William Hay, theme, "Christian Witnesses in the Paich Rev. William Hay, theme, "The Superb Achievement of Christian Taylor Rev. F. H. Hayes, pastor. Freaching, 11 and 7:36; Sunday school, 10; B. Y. P. U.; 6:30.

East Ride, East Ankeny and Twentieth Effect.—Rev. W. O. Shank, pastor. Fervices.

First German, Fourth and Mill stream.

Vernon, East Fifteenth and Will stream.

East Side, East Ankeny and Twentieth treets—Rev. W. O. Shank, pastor. Services, First German, Fourth and Mill streets—Rev. J. Standay school, 9:45.

Second German, Morris street and Rodney avenue—Rev. Frederick Buerrman, pastor. Sunday school, 9:45.

Highland, Alberta and East Sixth streets Sunday school, 9:45; preaching, 11 and 7:20; B. Y. P. U., 6:45. Highland, Alberta and East Sixth streets—Rev. Charles B. Elliott, pastor. 2:45, Sunday school; 11, preaching by Rev. O. C. Wright; 7, B. Y. P. U. S. evening worship.

East Forty-fifth Street—Rev. A. B. Waltz pastor. 11, preaching by the pastor; theme "A Top-Heavy Yessel", 6:30, B. Y. P. U.; 7:30, "The Gospel on Wheel and on Keel," by Rev. George L. White; 9:45, Sunday school.

Tabernacle—Rev. Robert Gray, paster. 11, preaching by the paster; theme, "Chyistian Unity"; 6:30, Young people's meeting, 7:30, preaching by the paster; theme, "A Wasted Life"; 9:35, Sunday school.

early, East Eighth and Grant streets— es, 11 and 7:30; preaching by Rev Munroe former pastor; 10. Sunday , 6:15, H. T. P. U.

CATHOLIC. St. Michael's (Italian), Fourth and Mill streets—Jesuit Fathers. Low mass, 5:30-high mass and sermon, 10:30; vespers and henduction 7:38

Ascendence Assessment, Assessment and East Morrison streets—Rev. James B. Pitapatrick, rector. Low mars, S; high mass and sermen, 19-30; Sunday school, 9-30; benediction of the blessed sacrament, 7:30; weekdays' mass, 6:30.

St. Mary's Pro-Cathedral, Fifteenth and Davis streets—Most Rev. A. Christie, D. D. Lew mass, 6, 8 and 9; high mass and ser-mon, 11; vespers, instruction and benedic-ion, 7:45.

Experience II and 13th proceedings are supported as a first of the process of the

Kimball, minister.

Vernon, East Fifteenth and Wygant streets—Dr. J. F. Ghormley will speak at 11 and 5; Sunday school, 10. CONGREGATIONAL

CONGREGATIONAL.

First, Park and Madison—Rev. L. R. Dyott, minister. Rev. H. C. Mason, of Seattle, 11 and 7:45; Bible school, 9:50.

Highland, East Sixth and Prescott—Rev. E. S. Bollinger, paster, 10, Sunday school, 11, "The Back Side of the Desert"; 7:45; "Heroism in Self-Mastery."

Sunnayside, East Thirty-second and Taylor—Rev. J. J. Staub, paster, 11, "He is of Age"; S. "Our Unseen Helpers", Sunday school, 10; Christian Endsaver, 6:45.

Waverly Heights, Thirty-third and Ellsworth streets—Andrew Watson Bond, paster, Sunday school, 10 A. M.; Y. P. S. C. "Moody People"; evening preaching, I, subject, "Moody People"; evening preaching, S. "The Modern Goliath and Who Will Kill Him."

EPISCOPAL.

eighth street and Broadway—Rev. T. F. Bowen, wheat Hoyl communion. 7:30; Sunday school, 10; prayer and sermon, 11; service, 7:30.

St. Andrew's, Portsmouth, Hereford street. Near Lombard—Rev. F. M. Baum, vicar. Sunday school, 10; morning service, 11; Epworth League service, 7; M. Baum, vicar. Sunday school, 10; morning service, 11; holy communion on second and fourth Sunday seach month, 7:30 A. M.; on first Sunday acho on 10; morning service, 11; holy communion on second and fourth Sunday are 11 and on holidays by appointment. Church of Our Saylor, Woodstock avenua and Forty-first street Southeast—Rev. B. H. Clark, in charge. Regular services, 8 and 11. Goed Shepherd, Graham street and Vancouver avenue—Rev. John Dawson, rector. Sunday school, 9:35; morning service, 11; evening service, 7:30.

St. John's, Sellwood—Rev. John D. Rice, vicar. S. holy communion, except on first Sunday of month, 10, Sunday school, 11, morning prayer; holy communion first Sunday of month, 10, Sunday school, 11, morning prayer; holy communion first Sunday of month, 10, Sunday school, 11, morning prayer; holy communion first Sunday of month, 10, Sunday school, 11, morning prayer; holy communion first Sunday of month, 10, Sunday school, 11, morning prayer; holy communion, 7:00 and 11, morning prayer; holy communion, 12, capan, 12, Epworth League, 7.

F. M. Baum, vicar, Sunday school, 11, morning prayer; holy communion, 12, capan, 12, class meeting, 12; Epworth League, 7.

FRESHYTERIAN.

First, Twelfth and Aider—Morning and evening, Rev. Robert Johnson, of Montreal, 22, capan, 22, capan, 23, capan, 24, capa

INTERNATIONAL BIBLE STUDENTS.

Oddfellows Hall, East Sixth and East Alder streets—Berean Bible lesson, 'The New Creation,' 1.30; praise service, 2:45; discourse by William B. Baker, 3:15; topic, 'The Three Phases of the Church of Christ.'

Sillwood—Services at 778 Sherrett avenue, Berean Bible lesson, 'The Plan of the Agen,' 7:45. Agen," 7:45.

LUTHERAN.

First, Twelfth and Alder-Morning and evening, Rev. Robert Johnson, of Montreal, Calvary, Eleventh and Clay-Rev. J. V. Milligan, 10:30; 12 M., Bible school, ad-iressed by Miss Carruthers. No evening ser-

Hawthorne Park, East Twelfth and Taylor—10:30, "Conditions of Acceptance With God"; Sunday school, 12. No evening service, Rev. L. E. Grimes, pastor.

Spokane-Avenue, Spokane avenue and Stateenth — Rev. J. E. Youel, pastor, 11, "Christian Culture and Its Social Uses"; open-air service, Sellwood Park, 7.

Eventh First and Chiba, Rev. H. G. Han.

Fourth, First and Gibbs—Rev. H. G. Han-son, minister. 10:20, "Missions in Syria"; 12. Sunday school; 6:45, Christian Endeavor;

day school, 10; 11, John L. Achison; 8, "You Will Have to Show Me." UNITARIAN.

Church of Our Father, Broadway and Yamhill street—Rev. T. L. Ellot, D. D., minister emeritus; Rev. W. G. Ellot, Jr., minister, Sorvice; 11; evening service omit-ted. Y. M. C. A.

City Association—Meeting for men at 3 o'clock at White Temple, will be addressed by Billy Sunday on the subject, "Chickens Come Home to Roost."

MISCELLANEOUS.

Divine Truth Chapel, Selling-Hirsch building. West Park and Washington streetsRev. T. M. Minard, pastor. Services, 11;
midweek meeting. Thursday, S.
Bahai meeting in Ellers Hall every Monday evening at S.
New Thought, Temple of Truth, Ellers building—Rev. P. J. Green, minister. Lecture at S. "The Great Spiritual Awakening." by Judge H. H. Benson, of Los Angeles.
Church of Jesus Christ of Latter-Day Saints (Mormon), Portland Branch—Semiannual conference at East Tenth and Sherman streets. Services, 11:45 and 7. President Melvin J. Ballard will be the principal speaker. Christian Yogs, 171 Eleventh street, Christensen building-Silence meeting 11 2

MORMON SITE DEDICATED

emphasized the excellence of British institutions, British government, British law and British justice. He especially mentioned in this connection the desirable observance of the Sabbath he had noted in Canada. He con-cluded by scoring the liquor traffic. An interesting feature of the cere-monies was the presence of "Aunt"

monies was the presence of "Aunt" Zina Card, wife of the pioneer Mormon settler in Southern Alberta, and the daughter of Brigham Young, the plo-neer of Sait Lake City and one of the faith's greatest leaders. The presence Card created a link with the

PRINCE BUYS PLANTATION Member of Reuss Family to Engage

in Rubber Cultivation.

BERLIN, Aug. 9.—(Special.)—Prince
Henry XXXII, of the junior branch of
the Reuss family, has just founded a
limited liability company to manage a
couple of rubber plantations that he
recently purchased in German East
Africa. The company, which is named
the Manga-Marimba-Gesellschaft, is
presided over by the Prince in person, and another member of the board,
is the Prince's teacher in commercial
affairs, Herr Eiffe of Hamburg.
Apparently the plantation is not giv-