



ALFALFA IN THE VALLEY.

Report of Experiments Made by the Southern Pacific.

Alfalfa, growing in the Willamette valley, is still in an experimental stage so far as the possibility of producing it as a commercial crop is concerned. The same could be said of clover ten years ago, but it is now one of the principal forage crops raised throughout the entire valley. A few years later when vetch was introduced, it grew so luxuriantly as to obtain popular favor and at once become a common and valuable crop. It cannot be said, however, that clover was altogether successful at the first, and many failures occurred in various sections of the valley, causing a feeling generally that the valley lands were not adapted to the growing of clover.

About this time the Oregon State Agricultural College people advocated the practice of inoculating the soil by taking soil from a field where clover had successfully grown and spreading it over the new land at time of seeding, which plan was considerably followed and resulted in solving the problem of inoculation. Now it is considered that the soil of the Willamette valley has become thoroughly inoculated with the germs requisite for the production of clover and that a good crop can be raised without difficulty in every section of the valley.

It is confidently expected that what has already been accomplished with respect to clover can also be done with alfalfa. In the past few years enough successful experiments have been made by individual farmers to justify the industrial department of the Southern Pacific company in concluding a year ago to give it a thorough and complete trial, under improved methods of seed and soil inoculation.

A plan was therefore adopted of arranging to put in at least twenty experimental tracts of five acres, distributed in different parts of the Willamette valley. The railroad company offered to furnish the alfalfa seed and land plaster and transport inoculated soil from the state agricultural farm at Corvallis, free of charge. Under these conditions it was an easy matter to find farmers who were willing to co-operate to the extent of putting in the seed, furnishing the land and continuing the experiment for a period of at least two years.

The movement was given as much publicity as possible through the medium of the press and otherwise. The U. S. Department of Agriculture, learning of it, came forward with an offer to furnish sufficient inoculated seed for planting forty acres of alfalfa, also inoculating material for an additional sixty acres. The offer was accepted and the movement was thereby proportionally increased. Numerous requests for seed were received from parties wishing to put in one, two or three acre tracts and instead of confining the experiment to twenty tracts of five acres each, seed etc., was supplied for forty-nine tracts ranging in size from one to ten acres, a total of one hundred and forty-two acres.

Of the inoculated seed furnished by the U. S. Department of Agriculture, 500 pounds was from Montana, 220 pounds from Utah, 40 pounds from Turkistan and 40 pounds from Argentine. The seed supplied by the S. P. company was from Utah.

All this seed was planted a year ago last spring and the experiment has covered one half of the period with promises of great

success.

In connection with this movement, invitations were extended to those interested to send in their names and addresses for pamphlets, bulletins and other literature that may be issued from time to time. The mailing list contains over four hundred names.

A pamphlet entitled "Alfalfa in the Willamette Valley" was written by Hon. W. W. Cotton, General Attorney for the Harriman Lines who has made careful study of the subject from a practical standpoint, having successfully grown alfalfa on his Gresham farm.

Another pamphlet is now in the course of preparation which will contain letters from the persons conducting the experiments giving the particulars as to when seed was sown, preparation of the soil, progress of the plant, how treated and its present condition. It is expected that this pamphlet will be ready for distribution early this spring for the information of anyone who may contemplate putting in alfalfa this season. It will be sent to those whose names are on the mailing list and anyone else who desires can obtain a copy upon application thereof.

H. E. LOUNSBURY, D. F. A., Southern Pacific Company.

Oregon's Tobacco Law.

By request the law relating to the sale of tobacco is herewith given.

SECTION 1. It shall be unlawful to sell, barter, trade, give or in any manner furnish to any minor under eighteen years any tobacco, cigar, or cigarette in any form, or any compound in which tobacco forms a component part, without the written consent or order of such minor's parent or guardian, and when such minor has no parent or guardian, then in that case consent may be given by the county court, sitting for the transaction of county business, upon the proper application in the county in which said minor may have his residence.

SEC. 2. Any person violating the provisions of this act shall, upon conviction, be fined in any sum not less than two dollars nor more than fifty dollars.

SEC. 3. It shall be unlawful for any minor under the age of eighteen years, to smoke, or in any way use any cigar, cigarette or tobacco in any form whatsoever in any public highway, street, place, square or resort.

SEC. 4. Any minor violating the provisions of this act shall, upon conviction, be fined in any sum not less than one nor more than ten dollars, or by imprisonment at the option of the court, two days for each offense.

SEC. 5. Justices of the peace shall have concurrent jurisdiction with the circuit court for all offenses arising under this act.

Indian Arrow Heads.

That Indian arrow heads, found in large numbers all over the western plains, are not the points made for the arrows of the American Indians and that the mounds, commonly accepted as the work of the red men, were made by another race, which lived before the American Indians, is the declaration of Dr. Charles Eastman, the educated Sioux Indian, who is now renaming the members of the Sioux nation. Dr. Eastman is one of the most distinguished of Indian students. He scoffs the idea that the American Indians originated the flint-pointed arrow or the granite and flint battle clubs and the tomahawks, and believes most of the arrow heads found

throughout the west were made by the race which roamed the hunting grounds before the Indians came to take possession of them. He has lived all his life, and is now a man of forty years, as a wild Indian on the reservation of the Dakotas, and he says he has never known an Indian who could make an arrow head, or ever knew of one being made, or who knew anything of the origin of the flint points.—Field and Farm.

Notice of Teacher's Examination.

Notice is hereby given that the county school superintendent of Yamhill county will give the regular examination of applicants for state and county papers at McMinnville, as follows:

FOR STATE PAPERS.

Commencing Wednesday, February 13 at 9 o'clock a. m. and continuing until Saturday, February 16, at 4 p. m.

Wednesday—penmanship, history, spelling, physical geography, reading, psychology.

Thursday—written arithmetic, theory of teaching, grammar, bookkeeping, physics, civil government.

Friday—physiology, geography, mental arithmetic, composition, algebra.

Saturday—botany, plane geometry, general history, English literature, school law.

FOR COUNTY PAPERS.

Commencing Wednesday, February 13, at 9 o'clock a. m. and continuing until Friday February 15, at 4 o'clock p. m. First, second and third grade certificates.

Wednesday—penmanship, history, orthography, reading.

Thursday—written arithmetic, theory of teaching, grammar, physiology.

Friday—geography, mental arithmetic, school law, civil government.

PRIMARY CERTIFICATES.

Wednesday—penmanship, orthography, arithmetic, reading.

Thursday—art of questioning, theory of teaching, physiology.

L. R. ALDERMAN,
School Superintendent.

How to Cure Pneumonia.

One of the warmest friends of the Spokesman furnishes us the following, as a sure cure for pneumonia:

An old German professor, of Bavaria, in a practice of over 40 years, had never lost a patient with pneumonia. His treatment gave relief, and was so simple as to be within the reach of all without calling a physician. It was as follows:

"Make a ball of cotton about as large as a small marble, saturate it thoroughly with alcohol, then drop about six drops of chloroform on it, then cover it lightly with dry cotton, hold to the mouth between thumb and forefinger, and inhale the fumes, inflate the lungs and it will open and expand every lung cell instantly."

Newspaperman Describes a Kiss

When a contemporary said there was no taste to a kiss the editor of an Arkansas paper burst forth with the following: "No taste to a kiss? Well, by the hen feathers in Cupid's dart, the Times man must be blind in the palate. They tell us, those who have tried it, that it tastes like the doubled distilled essence of honey spread thick on a piece of pumpkin pie. Away back in the dim and joyful years ago, before we lost all our teeth and the cinch on the beauty prize, the prettiest girl in all the world

told us with her own eyes that it felt like a covey of quails flying out of each ear and ended with a sensation like a flock of angels pouring molasses down one's back. No taste to a kiss? Great Scott! It would make a cigar Indian's hair curl and his toe nails quiver in ecstasy. The Times man must be an ice house.

Real Estate Transfers.

Reported by the Yamhill County Abstract Company, McMinnville.

Edward Whitlaw and wf to Levant Pease and wf 5 a sec 17 t 3 s r 2 \$800.

Z J Imus to H S Imus blk 21, 22 Dundee \$1.

L H Stanley (by sher) to D C Burns 360 a sec 18, 19, 20 t 3 s r 5 \$18.05.

R A Rowley (by sher) to Albin Floss 360 a in sec 18, 19, 20 t 3 s r 5 \$800.

R H Crawford to R B McDonald lt "O" Oak Park add to McMinnville \$200.

Levi T Davis and wf to Jennie E Briggs 89.97 at 4 s r 5 \$1.

Artemesia Small to Addie A Davidson lt 3 blk 3 Oak Park add to McMinnville \$22.50.

U S to Frank Quenel 280.27 a in sec 27, 28, 36 t 5 s r 5.

U S to Daniel Robinson 40 a in sec 17 t 5 s r 7 and land in Polk county.

U S to Hattie Riggs 80 a sec 16 t 5 s r 8.

James C Duncan to G W and Effie Christensen 80 sec 9 t 3 s r 5 \$1250.

A P Oliver to G W Christensen lts 28, 29 blk 18 Central add to Newberg \$250.

Samuel L Parrett and wf to Thomas Prince and 1/2 lts 30 and 31 Chehalem Orchard Homes \$1400.

John T Woods to Dora J Woods lt 3 and 4 blk 3 Bibes add to Sheridan and small tract in Sheridan \$5.

J F Calbreath and wf to T F Goodrich pt blk "H" Saylor add to McMinnville \$400.

Mary E Lewis to Rophia Lundershausen 5 a cl 50 t 4 s r 3 \$225.

Geo B Sunderlin to Augusta C. Sunderlin 120 a sec 16 t 5 s r 6 \$1.

Irena Everest to James B. Parker blk 11 Everest add to Newberg \$100.

T B Cummings et al to Harriet E Aldrich lts 7, 8 and 1/2 lts 13, 14, 15 blk 39 Edwards add to Newberg \$1250.

Walter E Terrell and wf to Everett R Bales and wf small tract in Newberg \$900.

W C Johnson (by sher) to A E Hyde 40 a sec 32 t 2 s r 5 \$5.14.

A L Ford Warren and hus to J B Fletcher lt 1 blk 21 Oak Park add to McMinnville \$80.

David H LaFollett and wf to Wm Parkas 1 a S Cozine d l c t 4 s r 4 \$1000.

Duncan Ross and wf to Minnie B Schenk lt 8 blk 19 Rowlands add to McMinnville \$225.

U S to Julia Lafferty 290 a in t 5 s r 8 w and t 6 s r 7.

S T Jones and wf to J L Aldrich and wf lts 9, 10, 11, 12 blk 29 Edwards add to Newberg \$650.

J L Aldrich and wf to T L Cummings and wf lts 9, 10, 11, 12 blk 29 Edwards add to Newberg \$650.

Jerome Pratt and wf to E H Converse and wf lt 2 blk 19 Rowlands add to McMinnville \$1000.

Sarah A Taylor to B Gabriel and wf lts 152 to 156 inc Dayton \$1600.

Alfred Jones and wf to F D Harris 19.34 a in sec 9 t 2 s r 4 \$800.

Albert Detmering to Geo W Smith pt lt 2 Oak fruit farm \$360.

The only man whom poverty can crush is he who lacks the riches of character.

THE GOOD OLD QUAKER

Once said to his boy, "Nathan, it is not what thee reads that makes thee smart; it is not what thee eats that makes thee fat; nor what thee earns that makes thee rich, but what thee SAVES."

This saving habit may be acquired through the steady use of a savings account in our bank.

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Newberg, Oregon.T. B. CUMMINGS &
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