

# THE STAYTON MAIL

Has the Largest Circulation of Any Paper in the Santiam Valley

23rd. Year, No. 21.

STAYTON, MARION COUNTY, OREGON, THURSDAY, MAY 24, 1917.

Serial No. 1110

## Thorough Tillage Methods Required

Long delayed by the backward spring, all Oregon and the Northwest is in the midst of its plowing and seedbed preparation. Every man and every team and tool available has been pressed into service. Information from many sources convinces me that much of the work is being done too hastily to bring good yields. Late seeding in this climate is always attended by great risks because of the dry summer unless unusual care is given the preparation work. It is imperative, therefore, that farmers realize that because of the lateness of the season, thorough preparation of the seedbed is absolutely essential to a successful crop. If we fall of increasing production it will not be because we do not increase the area seeded, but because the work is not done well enough to carry the late-seeded crop through the summer. I believe it is not a large acreage but, rather, thorough preparation and care that will gain results. I urge attention, therefore, to the following suggestions regarding tillage. Many of these practices will apply to all Oregon farms and all of them to some farm.

**Double Disking—Before Plowing**—Owing to the prolonged wet season the ground is very compact and plowing alone, except on sandy loams, will not make a good seedbed or one that will hold moisture well. Disking before plowing is therefore unusually important this year. It is particularly essential on all sod lands, many turned for the first time in years, or on land having last years heavy stubble or a heavy growth of weeds and grass, or a green manuring crop, also on all lands following the use of barnyard manure. Under all of these

conditions, if the double disking preceding plowing is not done, there is very great danger of drying out of the seedbed during the early summer, owing to the great lateness of the present season. This practice is also important in preparing the mellow seedbed required for good yields of the more intensive summer season crops, such as potatoes, corn, beans, cabbage, beets, etc. This double disking, however, is most effective through increasing the rapidity of decay of all vegetable matter turned under and getting rid of air spaces under the furrow slice which cause drying out.

**Deep Plowing**—Medium deep plowing, 7 inches, is very desirable this season. Shallow plowing so common in Western Oregon, is especially when work is being rushed, very dangerous under present conditions already described, since shallow seedbeds will dry out quickly in the heat of early summer now so close at hand. A deep seed bed is also very necessary to carry through the summer season crops like potatoes, corn, beans, etc., and also aids in keeping down weeds by turning under seeds and roots deeply.

**Harrowing Close After Plowing**—Owing to the lateness of the season, plowed land will dry out much more quickly than would earlier plowing, and since much of the land is over moist and compact, a hard, cloddy seedbed will result, unless harrowing is done very promptly after the furrow is turned. A cloddy seedbed is especially undesirable for late seeding, and, once formed, is very difficult to remedy by further tillage. Two immediate harrowings on the heavier soils will be more profitable than one. Harrowing after plowing also prepares the ground well for effective disking.

**Double Disking After Plowing**—To complete the foundation

work in preparation of a seedbed that will carry the crop through the summer, on all but the sandy loams or high humus soils a disking or double disking will be desirable in helping to insure moisture conservation and also in making a good cultivation bed for tillage. Where manures or green manures have been applied, this disking after plowing will help to firm down the furrow slice, getting rid of air spaces, and do away with the use of the roller. It will permit the fullest germination and stand from the costly seed. This additional operation may be considered unnecessary by many farmers but on all very mellow soils, it is highly important in a late season. Surface work with harrow and other tools will not take its place.

**Finishing Seed Bed**—Further harrowing, planking, rolling with a pulverizer, etc., will depend on the cloddiness of the ground or the need for securing a very well pulverized and more compact seed bed for smaller seeds, etc. In some cases rolling and harrowing after seeding will be necessary, such as clover etc. Seed beds prepared for late seeding, of course, must be harrowed frequently while awaiting seeding in order to destroy all young weeds possible and conserve moisture.

**Summer Tillage**—Most Western Oregon farmers have never realized the necessity for thorough tillage of row crops to secure maximum yields, particularly on the heavier and less well aerated soils common to Western Oregon. The best investment many Western Oregon farmers can make this year is a first class two row six or eight shovel sulky cultivator. Early cultivation of row crops should, of course, be done with the harrow or Ballock type weeder. Two or three cultivations of this kind over potatoes and corn are

possible during May and June. Corn can be cultivated with a Hallock weeder until it is a foot high. These cultivations are very rapid and cheap, and effective on small weeds and in restoring the mulch after rains. The row cultivator should then be used three to five times, depending upon the soil moisture and weed conditions, being run 4 to 5 inches deep the first two times and 3 inches thereafter. The great object of the cultivation, of course, is weed destruction, moisture conservation, and making plant food available. On late clover seeding, particularly on the looser seed beds, several rollings may prove desirable.—H. D. Scudder, Chief in Soils and Farm Management, O. A. C.

## Memorial Exercises at the High School

Memorial Day, Wednesday, May 30, there will be a splendid program given at 10 o'clock a. m. in the high school auditorium by the high school. The program:

Selections by the High School Orchestra.

Recitation; Paul Stayton.

Song; Male Quartette.

Reading; Abraham Lincoln's Gettysburg Address; Henry Allis.

Song; Male Quartette.

Reading; John A. Logan's Address; Wm. Ryan.

Song; High School Chorus.

Address; Rev. Lockhart.

Selections; Orchestra.

## Girl's National Honor Guard

The girls had two very interesting lectures last Thursday afternoon. Mrs. Crabtree finished her lectures on the care of small children in three lectures and the class will now take up the diet cooking. On account of the eight grade examination the class was not so large as usual.

In Dr. Brewer's lecture some practical work was given the girls, showing them how to make, fold and wrap bandages properly.

Last Saturday afternoon the girls gathered at the home of Dr. Brewer, where they were shown how to make a bed properly for a patient; also how to bathe and care for the patient properly. An enjoyable afternoon was had.

Don't forget the show at the Star Saturday evening, May 26. The Honor Guard is to receive a percentage of the proceeds, so everybody come and help the girls out.

## Memorial Services

Sunday May 27 is Memorial Sunday and the services under the auspices of the G. A. R. Post will be held in the high school auditorium at 11 o'clock a. m. These are to be union services as all the churches in the city have dismissed their services for that day and are asked to attend in as large numbers as possible and make this a memorable day.

All the fraternal and social orders as well as the general public are cordially invited to attend these services.

The members of the Post will assemble at their hall at 10 a. m. and march in a body to the meeting. Wednesday May 30th at 12 o'clock the bells will toll for five minutes and the men will remove their hats.

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Fleece Twine and Wool Sacks for Sale

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## Important Facts About War Census

(Cut This Out and Put it Where You Can Find It.)

War Census Day—Tuesday, June 5, as named by President Wilson in his official proclamation

Who Must Register—Every male resident between the ages of 21 and 30 years, inclusive. This includes aliens as well as Americans, Japanese, Chinese, Italian, German, English, American and men of any other nationality who are of the designated ages, must register. Aliens will not be drafted for war duty, of course, but a complete record of them is desired.

Who is Exempt—No male resident between the ages of 21 and 30 years, inclusive, is exempt from registering. Those to be exempt from military service will be determined later, but first all must register.

Where to Register—Registration must be made in the home precinct of the man registering. Register at your regular voting place.

Hours for Registering—Booths at regular voting places in each precinct will be open on War Census Day from 7 o'clock a. m. to 9 o'clock p. m. Don't wait until the last moment. Register early.

Registration of Absentees—If you find you will be unavoidably absent from your home precinct on War Census Day, you should apply at the earliest possible date to the county clerk of the county in which you may be at the time, whether in Oregon or elsewhere, who will fill out your registration card. He will then give you the card, which you must mail to the registrar of your home precinct, in care of the sheriff of your home county, in time to reach the registrar by War Census Day.

If you live in Portland, or a city of 30,000 population in another state, mail the card to the registrar in care of the mayor.

But remember, the burden of having your card reach the registrar of your home precinct by War Census Day is on you.

Registration of the Sick—Men of military age who are too ill to go to the voting booth to register must send a competent person before War Census Day to the county clerk to explain the circumstances, and secure instructions from the Federal regulations which these officials will receive from the Government.

Penalties—The penalty for failing to appear to register, or for giving false, misleading or incorrect answers is imprisonment. There is no alternative of a fine.

## Baccalaureate Sermon Sunday Evening

Next Sunday evening the Baccalaureate sermon will be delivered by Rev. Avison of Salem in the High School Auditorium at 8 o'clock following is the program for the exercises.

Orchestra.  
Solo Marguerite Ryan.  
Anthem Male Quartette.  
Coronet Solo Leo Klecker  
Baccalaureate Sermon Rev. R. V. Avison  
Anthem Male Quartette.  
Orchestra.

This will be a union meeting of all churches. A cordial invitation is extended to everyone to attend.

Stayton Mail \$1.00 per year.

Mrs. Mary Fery returned last week from Portland and will remain in Stayton for a time.

Grant Murphy and Charles Lampman have secured the contract to build a fine new bungalow for W. H. Downing, on his farm north of Sublimity.

The family of A. T. Brewer left in their car for Fall Creek Ore., Tuesday where they will reside in the future. Mr. Brewer will follow the latter part of the week.

## Building a Business is Like Building a House

To build "for keeps" you must build strong;  
No shaky foundations,  
No broken bricks,  
No insecure rafters—  
That's our idea for this store—  
To sell merchandise with never a "come back"  
To offer styles beyond reproach—  
To make value a watchword and service a creed  
And when we err—as we sometimes must—to  
"make good" cheerfully, and above all, to  
satisfy the other fellow.

Salem Woolen  
Mills Store

Salem,

Oregon

## To the Bread Buying Public

Since our baker has quit we are handling Holsum bread, baked by the largest and most sanitary bakery in Portland. Fresh every day. Shipped in absolutely dust proof containers and each loaf wrapped in sanitary parafine paper thereby making the bread we get here the most wholesome and sanitary product obtainable anywhere and costs no more than other kinds. We also have the whole wheat or what they call "war bread." Shipped once a week. Try some and get a taste of the kind of bread mother used to bake when old people were kids. Try us and save money and get the best.

W. F. KLECKER.