Hints From a **Practical Farmer**

By L D, O'Donnell, Supervisor of Irrigation, U. S. Reclamation Service (Reclamation Record.)

Usually the first crops produced on is due to the fact that in the locations of our irrigation projects small ditions he has on his farm. Heavy This will be a good place to discuss from the places of the dairy business and a natural home, whereas and clay soils require less water for all of the places of the dairy business from the viewpoint of both the sections.

small grain is by the flooding system laterals to flood or spread over the surface. The exceptions to this plan are in sections where the water supply is limited and where it is neces sary to carefully prepare the fields in such manner as to secure the best possible use of all the water. In these cases the border or check system and the furrow system are availed of. In irrigating small grain by the flooding system, first mentioned, more irregular surfacaes may be irrigated, but in irrigating by the check, border, or furrow system care must be taken to prepare the fields that the surface is regular and the water easily controlled.

In producing wheat under irrigation scarcity of water may be overcome by planting fall or winter wheat which makes the best possible use of fall and winter rains and is usually matured by but one irrigation. Grains planted in the spring require from two to four irrigations, depending on the character of the soil and growing period.

The same methods of irrigation irrigation is less injurious to wheat than to oats and less injurious to

oats than to barley. The time of irrigation is influence ed a great deal by the time of rain-fall in the period of growth. Where of twelve or more cows and at a Bend Bulletin grein is planted in dry ground in the spring it is necessary quite often to irrigate the field in order to germinate, the seed. Some authorities favor irrigating the ground before planting the seed, but the objection to this method is the delay necessary to irrigation and waiting for the soil get in condition before the seed is planted. By planting and then irrigating, the water immediately hurries the germination of the seed and furnishes moisture necessary for the early growth of the plant. After germination of seed and first growth of the plant the irrigation should be delayed until the appearance of the plant indicates a need of moisture. The plants are naturally a light as the need for moisture grows the plants turn a darker green and unless moisture is supplied the dark green turn to yellow and the plants are permanently lajured. If possible, it is well to keep an even

of bloom when the plant shoots up. be tested as one will be undertaken. available at this period. The quality If the moisture is shut off at this

grains will result. The quantity of water required for irrigated land are small grains. This thing each farmer should endeavor ville and Redmond on the Crooked quire special care and experience in maximum yields than sandy and ness from the viewpoint of both the grayelly soils. Where average construction of the crops, Also, small maturing of the crops. Also, small ditions exist about 18 inches of water grains withstand for shorter periods should mature grain well on clay of the dairy business from this excesses of drought or water and the soils; sandy or gravelly soils would inexperienced irrigator is able to separately probably require 30 or more inches itable if all of the dairy business from this inexperienced irrigator is able to separately for the same yields. This important grains withstand for shorter periods should mature grain well on clay ent and take part in the discussion cure a crop while he is learning how for the same yields. This important to irrigate. As the irrigated districts fact should be borne in mind—the improvement of the dairy business in become more firmly established the yield of both grain and straw inproduction of small grains gradually creases with the application of water gives place to other crops such as up to the amount which the plants sffaifa, sugar beets, potatoes, fruits need for their best development; if and others giving larger returns per the application of water is continued acre and the production of small above this point the yield of both grains is put over on the dry-farming grain and straw will decrease in proportion to the amount of excess

Some authorities have put forward where the farm laterals are run on claims to the effect that small grains the highest places of the field and will yield best by a certain program the water turned out of these farm of alternating dryness and moisture. It is believed to be well for the aver age farmer not to experiment with any such theory, as it is a theory at the best and no one can say definitely just when the soil should be dry and when moist on every farm. The best plan for the farmer is to endeavor to keep available for plants just as much water as keeps them in healthy growth and time his irrigations to the periods when the plants need the maximum amount of moisture.

DAIRYMEN PLAN FORMATION OF COW TESTING ASSOCIATION

To Meet at McCall Ranch on June 16 -Will Also Discuss Question of Silo Building.

Many of the dairymen in the Prineville and Redmond districts of Crook county have become greatly interestthe amount of rainfall during the ed in the organization of a cow-testing association for the purpose of determining the value of the cows they harve barley with the exception that over- profits to be derived from their dairies. Should such an organization be affected, a specialist will take charge of the work with these herds and make official tests for one year at

amount of moiature available for slightly higher cost in herds of less the plants. The period of most rap-id growth comes just about the time plan whereby two small herds may plan whereby two small herds may

Prof. F. W. Kehrll, U. S. Dairy of the grain, as well as the quantity, Field Agent, will visit Crook county may be helped by plenty of moisture on June 16th and 17th and a meeting at the time the grains are forming of all of the dairymen who are inperiod shriveled and undeveloped terested in an organization as above outlined or in the building of silos will be held on the ranch of H. Mcbest yields of small grains is some- Call, about half way between Prineto work out as he may under the con- river on the 16th at 2 p. m., sharp. Every man with cows should be presthe county. Come out and get the information regarding the cow-testing association anyway. If you want to see the association organized here, be sure and come and if it is possible it will be done.

Prof. Kehrli will be in the county on the 17th also but work for that day has not yet been arranged.

Several automobiles will leave Redmond for this meeting at 12:45 and dairymen in this vicinity can catch a ride if on hand at this time. Similar arrangements will probably be made at Prineville. To date, no one from the vicinity of Bend have reported intention of attending but we hope to see some of them on hand. It will pay you to be on hand and arn what you can from Prof. Kehrli S. Dairy field agent, and your

A desirable bread knife free with every annual subscription to The . Bend Bulletin

For sign painting see Edwards .-

ISSUES CORN PRIMER.

The Union Pacific System has re cently issued a Corn Primer and premium list for the Corn show to be held at Walla Walla, Washington, on November 22, 23, 24, 25, under the management of the O.-W. R. & N. Co. The primer gives instructions for growing corn which are of value to every farmer. Copies may be obtained from C. L. Smith, agriculturist, Portland, Oregon.

See J. Ryan & Co., for farm land leans.—Adv.

Clean up and paint up. See Edwards.—Adv.

A desirable bread knife free with every annual subscription to The

How to Live Long

Rules reprinted by permission of travel. Metropolitan Life Insurance Company from booklet issued by it.

> FOOD-RULE 9. Eat Slowly.

force the food down, you have not making arrangements to mark perchewed it enough.

food.

Some of the best foods are fruits, milk, sour milk, potatoes, bread, vogetables, sugar (if mixed with liquid) and nuts, if they are well

It is best not to use pepper, mustard, catsup or other "hot" relishes at

- DO YOU KNOW THAT?
- Rural sanitation is a health protection to the city-dweller? It's foolish to educate a boy and then let him die of typhoid
- fever? The U. S. Health Service Issues
- a free bulletin on the summer care or infants?
- Exercise in the garden is better + than exercise in the gymnasium? Clean water, clean food, clean .
- houses make clean healthy . American citizens? The state of California has reduced its typhoid death rate .
- 70 per cent in the past ten .
- Rats are the most expensive animal which man maintains? It is estimated that the avermanure pile will breed -

900,000 files per ton.

In order to aid the farmer the Bend Flour Mill Co. has this year ob-tained Apex Lend Plaster, a scien-tific fertilizer.—Adv.

Four chairs at your service at the Metropolitan. No waiting .- Adv.

See Edwards for paper hanging .-

Diamonds set while you wait. Myron H. Symons.-Adv.

For farm land loans see J. Ryan & Co. Reasonable rates, prompt service.—Adv.

Expert watch and jewelry repairing at Symons.—Adv.

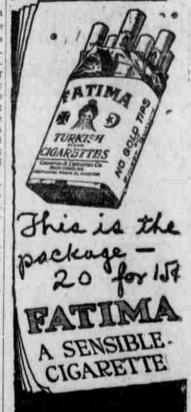
TO LOCATE TRAILS.

Definite and exact information on the location of pioneer trails and the oldest wagon roads of Oregon is wanted by members of the association in charge of locating and markpermanently these routes of travel. The Oregon geographic board and the Daughters of the American Revolution are co-operating with the department of history at the Oregon Agricultural College in an effort to locate these early travel Chew your food auntil you can ways. The Linn chapter is taking swallow it very easily. If you have to an active part in establishing and manently these routes of travel. Any-Sip all liqu'ds slowly. Do not gulp one having information on the subthem down. Do not take a drink of ject may send it to Professor J. R. water while your mouth is full of Horner in care of the Oregon Agricultural College.

> No waiting at the Metropolitan for that shave or hair cut. Four chairs now ready.-Adv.

Lenses duplicated. Glasses repaired at Symons.-Adv.

FLIES are carriers of disease seed. Live and breed in all kinds of filth. Infect food and drink by serm laden feet Each female fly can lay 150 eggs. Should be kept out of dwellings.



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Bulletin No. 3

Why Not Face the Facts **About Armor Competition?**

To the People:

The policy of the United States Government for many years has made real competition in armor-making ineffective.

The Government might have asked the three armor plants for bids and let the entire tonnage to the lowest bidder. That would have made competition effective.

The result of such a course would have been to drive two of the three manufacturers out of business, and leave the country with facilities of only one plant in time of need.

> The Government in fact has always asked for bids from the three manufacturers, but no matter what the price quoted, each year's business was divided among them.

Armor makers serve but one customer—the Government, just as a public utility serves but one customer a community.

The solution of the public utility problem is regulation of rates.

The solution of the armor problem is for the Government to fix the price.

We voluntarily agree to accept any price fixed by the Federal Trade Commission. Isn't acceptance of that offer better than the destruction of an industry built solely to serve the Government?

HAS M. SCHWAR, Ch

Bethlehem Steel Company

For the man who wants to own his own home

Let us show you, for your selection, some of the prettiest lots in Bend. They are level and free from rock and are spotted with lovely shade trees; they are within fifteen minutes walk of either of the big mills and are close to the business district. These lots may be had on terms that are within the reach of all and every assistance will be given our buyers to enable them to build a comfortable home. We will be pleased to show you.

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