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It is very likely that every home in Hood River contains in attic or cellar some old discarded chair, davenport, sofa or lounge. In their condition, although priceless as heirlooms, they have no value. How often has the housewife wished for the services of a competent upholsterer?

Your wish has come true. We have inaugurated something new in our upholstering department, and our expert craftsmen is now engaged in renewing the life of these heirlooms. He can make your old furniture, the upholstering or springs of which have ended their days of service, just as good as new. Come down and see us and leave instructions for us to call and get your furniture.

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WE point with pride to the record we made during 1920.

Let us all work together this year to make that record even better.

### HOOD RIVER CREAMERY

### FERTILIZERS FOR APPLES AND BERRIES

The time is rapidly approaching when the fruit grower must apply his fertilizer. The aim of this article is to assist the grower to decide in ample time what practice he shall adopt in order that his requirements may be provided for.

#### Apple Grower

It must be made plain to the apple grower at the outset that the only fertilizer from which we have had any appreciable response has been nitrate of soda or some other fertilizer high in nitrogen. On a limited scale, experimentally we have had equally good results from sulphate of ammonia.

It is impracticable to attempt to lay down any blanket recommendation for all growers. Obviously the age of trees, character of soil, previous cultural methods, pruning, cover or shade crops, fertilization previously practiced must be carefully considered before any rational plan may be submitted. However, for the sake of argument we will assume various conditions under which the grower may be working.

First: There is the young orchard, not yet in bearing. As a rule such trees will need fertilization of any kind. Generally such trees are planted on new soils and clean cultivation practiced. Strawberries or other hoed crops are planted in between the trees. The fertilization and care given the inter crop should be sufficient to keep a healthy tree growing vigorously. On the other hand, if the trees are receiving good care but do not respond, the writer recommends the use of a small amount of nitrate of soda ranging from one half to one pound per tree.

The above will apply to apple, pear, cherry or peach. The use of nitrate is recommended as a supplement to good irrigation and cultivation but not as a substitute. There are many young trees (replants) in the old orchard. Often these trees are badly neglected in that they are growing in sod and receive no clean cultivation. These conditions should be remedied and here again, nitrate can often be used to advantage.

Trees just starting to bear must be handled with considerable care. Often they are making a vigorous growth and heavy fertilization and pruning will retard the formation of spurs and production of fruit. If the trees are making a normal growth, it is doubtful whether the use of nitrate will be advisable. On the other hand, if trees are starting to bear heavily and growth is but moderate, the use of probably two pounds nitrate per tree will be advisable. Such trees as a rule have not yet been growing in the presence of a shade crop such as clover or alfalfa.

Then there is the older orchard. In most cases the grower has been using nitrate of soda for a number of years. The response from its use has been very satisfactory in that greater yields have been secured. Tree growth has been much more satisfactory. In the meantime, clover or alfalfa has been grown and turned under. Such a practice is sufficient to furnish enough nitrogen for several crops if followed by clean cultivation, assuming, of course, that the soil is average and has not been depleted of plant food by protracted clean cultivation or intercropping. On the poor sandy soil, more than one green crop must be turned under to build up a soil and provide sufficient humus.

It should be pointed out that two tons of alfalfa are capable of furnishing approximately 200 pounds of nitrogen, an amount sufficient to grow a 500 box crop of apples in addition to taking care of tree growth. In most orchards alfalfa does fairly well. That a great deal of nitrogen, not formerly fixed in the soil is now being secured from such a source, is quite evident. Trees growing under such conditions make a normal growth and produce well.

Experiments with nitrate of soda were made with trees growing in the presence of alfalfa which had been seeded for several years. Neither the alfalfa nor the trees have ever been fertilized. The use of nitrate of soda under such conditions during the year when a heavy crop of apples was borne did not increase yields or improve quality of fruit, which was excellent. Evidently the alfalfa was capable of furnishing sufficient nitrogen.

On the other hand, there are orchards making scarcely a normal growth in which a heavy crop is expected this year. The alfalfa may be pretty well "run out," being largely replaced by grassy soil. We know that each alfalfa is less capable of fixing nitrogen and that the grass takes a great deal of available nitrogen. Con-

sequently the trees do not receive a normal supply for maximum production. Such orchards should be plowed or disced up and clean cultivation followed for one or two years, after which it may again be seeded to alfalfa, vetch, etc. In the meantime cultivation should be thorough and persistent, not only to liberate plant food but to free the land of weeds and grass.

Where orchards are being seeded to clover or alfalfa, especially for the first time, it appears well worth while to use a small amount of nitrate of soda. This is especially so in the case of clover. If this is not done, the trees during the second season following seeding do not do well. This is a common observation at Hood River. During the period when a shade crop is being established it is advisable to use a small amount of nitrate which will supplement the supply of nitrogen when cultivation cannot be given and before that time when the shade crop may be expected to furnish this element.

#### Strawberry Fertilizers

For the strawberry grower the writer recommends the use of a complete fertilizer testing approximately as follows: Nitrogen, 6.5 per cent; phosphoric acid, 7 per cent; potash, 8 per cent. This is made up as follows and may be secured soon through the Association: Nitrate of Soda, 800 pounds; Superphosphate, 800 pounds; Best Char, 400 pounds.

This fertilizer should be applied at the rate of 50 pounds per acre annually in two equal amounts. In early spring put on 250 pounds per acre. Apply the other 250 in late summer right after the topping season. When thus used the grower should secure maximum production of firm berries.

### PENDLETON PLAYS HERE SATURDAY

Coch E. N. Fleischman, of the Hood River High School basketball team, has completed arrangements with the Pendleton High team for a game here on Saturday evening. The Pendleton team, it is announced, is one of the best quintets of the eastern part of the state, and fans here are anticipating one of the most interesting contests of the season.

#### Upper Valley Road Enthusiasts Here

A delegation of Upper Valley citizens appeared before the county court last week and asked that J. B. Dorett, Mt. Hood resident, who was associated with County Roadmaster W. L. Nichols last year in supervising road work, be placed exclusively in charge of Upper Valley highways this year. The Upper Valley citizens, who recently voted a special 5 mill road tax, which will raise approximately \$5,000, ask that Mr. Dorett be permitted to take charge of the expenditure of the special fund with the following citizens acting as an advisory board: W. S. Dowd, Chas. Steinhilber, C. E. McIntosh, W. C. Smullin, J. B. Dimmick, William Blake.

#### New School for Pine Grove Talked

Sentiment is crystallizing in the Pine Grove district for a new school to replace the old frame structure, at present in use, which is declared a crowded and dilapidated. Citizens of the community are proposing a bond issue of an approximate \$25,000 for a new school house, and it is likely that a movement of a definite nature will be initiated soon.

Pine Grove citizens declare they have one of the handsomest school sites in the county. The school house, which is about 20 years old, however, is declared one of the worst of the fruit community.

#### Fine Cow Dies

Lama's Lola, said to be one of the most valuable and most beautiful cows of the Hood River valley, died last week of milk fever. The cow, a registered Jersey and championship premium winner at the California State Fair in 1919, was owned by Dr. J. F. Watt and A. H. Acree, who maintain a herd of registered Jerseys near Tucker's Bridge. Dr. Watt purchased the cow last year.

#### Junior High Prohibits Shows

The student council of the Junior High School, acting in accord with the faculty advisers, have prohibited attendance of students at picture shows the first four nights of the week, nor will any attendance at parties be permitted on these nights. In case a moving picture of educational value is shown on the proscribed nights, permission will be given the entire class to attend.

### TIRE SALE

Present business conditions force us to sell tires at following prices:

30 x 3 1/2	\$15.25
32 x 3 1/2	18.75
32 x 4	23.75
33 x 4	24.75

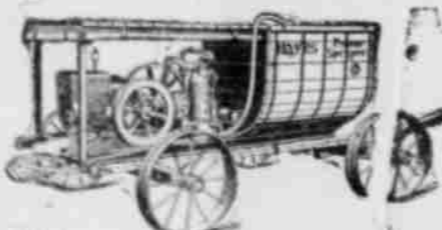
They are all No. 1 Crescent tires. This sale will last through February.

WM. WEBER.

When the Experiment Station says:

"LET US SPRAY"

Be ready with a HAYES



SLUTZ BROS.

Tel. 3173

### SORE THROAT

High on chest. Sore throat. Sore throat. Sore throat.

### TUR PO

THE TURBOTH & DINTHENT CHARLES N. CLARKE DRUGGIST

Commercial job printing at the Glacier office.

# Avery Orchard Tractor

The nearest to THE GENERAL PURPOSE tractor that has been built. Especially adapted to Hood River Valley conditions. Those in use here are the proof. Investigate.

Will positively work on side hills and will not slip sideways. Traction is wonderful. Very low. Operator is in the clear of limbs. Very close work possible.

Do not make the mistake of waiting too long. There are a limited number on the coast for delivery and it takes time to make delivery from the factory. Place your order now. You are protected against a loss due to a possible decline in price.

Price is RIGHT. Service is RIGHT. Tractorize and do your work when and as it should be done and at the MINIMUM COST.

## Cyclone and Iron Clad Silos

It is impossible to do yourself or your stock justice unless there is a GOOD SILO on the place. Special inducement made to place orders this month. Price protection given.

For information on silos and silage crops see or call B. G. DAVIDSON. Decide NOW. Planting time will soon come.

Clark Cutaway Discs. Vulcan Plows. Manure Spreaders. Barn Equipment. Silo Fillers. Feed Cutters. Water Systems. Gas Engines. Electric Light and Power Plants.

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Phone 4639

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HOME GROWN AND PRICED RIGHT

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at this season is of course very desirable; it makes the home cheerful and your holiday visitors feel fine. Burn our coal and you will get such a fire. It may be bitter cold without, but will always be comfortable within.

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Leaves Hood River daily at 4.30 p. m.

Leaves Parkdale Daily at 8 a. m. (except Sunday).

Every Saturday Leaves Parkdale at 6 p. m.

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Meals, Candy, Ice Cream and Fountain Service

### Funeral Director

I will furnish funerals complete for adults for \$100. This includes neat and attractive caskets and all the necessities and services of a first class funeral director. Where desirable the finest and highest priced obtainable is always on hand.

S. E. BARTMESS

#### Notice to Creditors

Notice is hereby given that the undersigned has been duly appointed as Administratrix of the Estate of Charles E. Lovell, deceased, by the County Court of Hood River County, Oregon, and all parties having claims against said estate are hereby notified to present the same to me, duly verified, at The Dalles, Oregon, within six months from the date of the first publication hereof.

Date of first publication January 13, 1921.  
Grace M. Lovell,  
Administratrix.  
j13f10