Farmers Should Ascertain "How Many Cords of Wood in Gallon of Gas"

Fair by Department of

Agriculture.

Salem, Sept. 6 .- With the view of

equainting farmers with its activ-

tional work, the United States de-

partment of agriculture has made

a giant exhibit at the state fair,

which will open here September 22,

A. H. Lea, secretary of the fair board,

To list everything that will be in

are a few of the subjects to be treated :

raising, meat inspection, silo construc-

tion, dairy buildings, sheep buildings,

methods of combating animal diseases.

BUREAU OF PLANT INDUSTRY

Bureau of animal husbandry-Poultry

announced today."

arrangements for putting on display sation.

ities and aiding them in investiga-

after it has proven it can do the work, CORDS and the dividends are the product that t turns out. Make every implement on your farm an investment instead of a liability. Investigate other implements. Just be cause you may have an ensilage cutter is no reason why you should not keep

ecessary to buy every one you learn about, but it is necessary to keep in ouch with improvements. Remember, too, that it is the old, esablished firm who keep, just as you hould, in touch with improved machines. Likewise, it is the old-in-the-business ouse who can be trusted not to recom-Perfect Condition of Machinery mend to Northwest farmers anything that is not suited to the Northwest. How many "hired hands" are there

lack of Uniformity

Necessary to Economize on in a gallon? Why not test it and find Expense Account and Power, it out

TEST ALL FARM IMPLEMENTS.

Every Machine Is a Liability, and Becomes an Investment After have been noticed of such a disease in many fields and efforts are being made It Proves It Can Do Work.

MANY

By S. H. Small

There are few farmers or ranchers who cannot tell you how many miles their automobile is getting on a gallon of gasoline.

And there are also mighty few who an tell you how many cords of wood they are getting on a gallon of gasoline, or how many tons of ensilage or gallons of milk.

In the rush of American farmers toward the theory of power farming, it seems that one of the essentials has been overlooked-and that is, how much does it cost me?

This is no argument for the return to the old method of doing all of the jobs by hand, but it is an argument for the selection of the truly economical type of farm implement, as well as of gas engine or tractor.

TWENTY MILES TO GALLON No automobile salesman ever overlooks the chance to say that his car will give 20 mlles on a gallon of gasoline. The purchasers know that all automobiles are made to ride in-just as all feed

cutters are made to cut feed. Some cars ride easier, are better looking, have certain patented features, just as some farm implements have patented features and do the work better than othera.

But, when the selection of a woodsaw or ensilage cutter gets down to the point of explaining complicated mechanfcal features, it is well for the farmer to ask the salesman, "Is it an economical implement to run?"

EASY RUNNING FINAL TEST

If it is, the chances are that there are few complicated parts to get out of order, for an easy running implement will be so planned. That does not mean that ease in running is the only thing to go by, but it does mean that, all other things equal, it should be the final test. Often, however, more gasoline is used than necessary because, through no fault of the manufacturer, the implemeat being used is not in perfect condition. No man would expect his automobile to run without oil, but many farm implements are expected to do this same thing. A dull saw blade uses up more time and money than the time and money



Tilly Alcartara, world's champion Holstein, which will visit Oregon at Pacific International Livestock Exposition; Vive la France, world's champion Jersey, owned and bred by Ovid Pickard of Marion county, which will be exhibited at the State Fair, Salem.

> of the moving belt system. Some organizations also favor cold storage ciations each grower's fruit is kept sepothers a five per cent sample is taken, which is graded when the consignment ple grade. Professor Brown also attended the

Professor Brown of Agricultural conference of the Northwest college and station College Reports on Tour of Moscow ,and visited the orchards of the Lewiston Orchards company. Northwest Orchards. Other college men attending the conference were William Smart and Professor A. L. Lovett, and Leroy Childs.

Oregon Agricultural College, Corvallis, and Gordon Brown of the Hood River California and other states have used Sept. 6 .- Lack of uniformity in meth- branch station.

1914\$135.16 142.08 1913 1912
 1917
 132.58
 1912
 140.41

 1916
 130.83
 1911
 141.33

 1915
 130.75
 1910
 146.58

 *Seven months.
 The horse is the only important item
of farm output that has not materially advanced in price in recent years. His present farm price of \$127 compares with a high in 1910 of \$154. His numbers have varied little, increasing since 1910 from about 21,000,000 to 21,500,000,after a gain of over 5,000,000 in the preceding decade. Yet during the interval houses, while others pin their faith to common storage. In some of the asso-the marked advance in price of feedstuffs but also the war buying of horses which caused export of nearly 1,500,000

No more significant testimony could

horticulturists at Pullman. To Try Out Machine For Use of Sulphur

For several years horticulturists of flowers of sulphur for sprays in the ing, cereals, forage crops, fruit growing, other products; representative soils of cent of the normal bean and pea crop nome improvements. Bureau of chemistry-Plant dust ex- importance; methods of soil analysis and plosions, farm treatment of hides, en- soil surveys; fertilizers. forcement of food and drugs act, de-

struction of adulterated foods, vegeta-EDUCATE FARMER ble drying, use of flour substitutes. States relations service - Extension work with men, women, boys and girls, from the national, state, county and community standpoint; making available on the farm the facts that they are Giant Exhibit Planned for State

developed in scientific research. Bureau of entomology-Destructive insects and methods of combatting them; weevil-proof granary; insecticides, fungicides and spraying equipments. FOREST SERVICE

woodland improvement, forest fire ef-

fects and prevention; recreation in the national forests; growing windbreaks;

fence-post treating, good and bad lum-

bering, timber scales in the national for-

est, box testing, wood waste and utili-

Biological survey - Migratory birds.

fur farming, destructive birds, beneficial

birds, rabbits, destructive rodents and

American highways, roadside treatment

Bureau of public roads-Picturesque

predatory animals.

luded in the exhibit would mean the farm drainage, farm buildings, road con-

steads.

wheat, which has caused farmers to phenomena and instruments; installation of lightning rods.

DIVISIONS OF PUBLICATIONS Farmers' bulletins explaining and ilsamples on display.

Three types of installation-on panels, n cabinets and on tables-give the ex-Land erosion through deforestation, hibit a new and entirely distinct appear-

Weather bureau-Meteorological data, neglect planting the less certain crops. "According to reports from govern-

lustrating all phases of the department's work. Selections may be made from the The exhibit material consists of mod-

ment inspectors, the Willamette valley, normally producing from 200 to 300 cars of red clover, will ship only five or six

the United States, with some of local is attributed to the high guarantee on

els illustrating various activities: enlargé pictures, charts and diagrams and miscellaneous samples and objects.

this season," said John Anderson of 'the Inland Seed company. "Dry weather and the activities of the clover borer have caused the slump. The corn crop of the Inland Empire is good, and cabbage, carrots, parsnips and other root crop seeds will be normal. Only a 50

per cent crop of peas is expected.' Read the advertisements on the farm pages of The Journal. When answering ance. Representatives of the department will be with the exhibit to give advertisements always mention the

Uregon

Salem,

Sept.

farm pages. visitors any explanations that may be desired. Inland Northwest Seed Crop for Year **Drops Below Normal**

cataloguing of hundreds of items. Here struction and relocation, planning farm-Spokane, Wash., Sept. 6. - Decreased acreage, drouth and insect pests have combined to make the 1919 field seed Buneau of Markets - Parcel post and grading of fruits and vegetables, crop of the Northwest far below normal, city marketing and storage of the same according to Spokane seed dealers. products, grain grading demonstrations in the important grain producing states, and meadow grass are reported light Bureau of soils-Soils best adapted and it is predicted prices will rise. Corn production, seed corn and breed- for cotton, truck crops, wheat, fruit and A production of from 50 to 75 per

Blue grass, red clover, alfalfa, orchard

State When Oregon Goes to Market

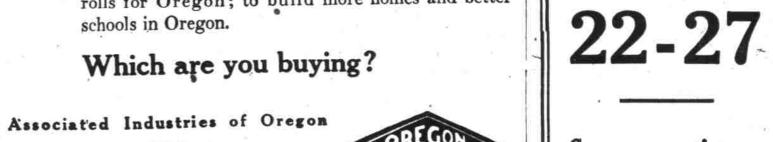


WHEN YOU BUY-

CHEESE

VOU can purchase goods made elsewhere and send a part of your money to other sections to be distributed in payrolls for the benefit of those communities. Or you can insist on Oregon Made Products and your money-all of it-will remain in Oregon to increase the output of Oregon factories; to make bigger payrolls for Oregon; to build more homes and better schools in Oregon.

Which are you buying?



Government's Giant War and Agricultural Exhibit

composed of tro-

phies captured on

European battle-

fields by American

soldiers, and exhib-

its from the agricul-

tural, naval and war

•departments, will be

on exhibition for the

A colossal array of

magnificent exhibits

representing the

state's great indus-

tries and resources.

Greatest

Horse

Show

ever staged in the

A superb racing pro-

gram, and the best

of amusements and

A. H. LEA, Secy.,

Salem.

Cascara Bark .

Balsam of Fir

at market price. Write to

DRUG DEPT. BLUMAUER-FRANK DRUG CO.

SWIFT & COMPANY

PORTLAND.

Northwest.

attractions.

first time.



