

# Electric Light and Power Plants Will Make Work Easy for Farmers

## UNIT POWER PLANT MIGHT KEEP BOYS DOWN ON FARM

Day of Grinding Manual Toil Giving Way to Modern Equipment, Which Adds to Interest.

COST EXCEPTIONALLY LOW

Progressive Farmer No Longer Works Himself and Family to Death; Better Way Available.

By E. H. Epperson, President Modern Appliances Company

One beneficial phase of the effect of the world war on the American farm that has received but little attention is the greater knowledge of power machinery received by the 'lads from the farms of the nation. To a great number of them, heretofore unacquainted with any but the simplest methods of doing difficult tasks, the efficiency of electricity and gasoline as a means of performing ordinary duties has been a revelation, and they have been quick to grasp the fundamentals involved in the operation of gasoline engines and electric motors, and the various uses to which the power produced may be put.

### "FINIS" MANUAL LABOE

When they return to the farm they will not be content to do things by manual labor. The slowness of pumping water by hand, when a gasoline engine will do the same task without attention; the tiring, mechanical work involved in dairying, which can be remedied by electrically operated milking machines, cream separators and churns—these and other similar tasks, performed in the old-fashioned way at an excessive expenditure of human toll, will be objectionable to the returned soldiers. And this will not be because they are lazy or softened by their army careers. The reverse is true.

Consequently, when they come back to the old life, they will have to be some inducement to get them to remain. What better method of securing this result than to link them to the farm by the use of machinery to do the heavy, the tedious, the day in and day out work and chores.

### THE MODERN WAY

On the average modern farm, located from Oregon to Louisiana, electric power is doing a multitude of duties in a most satisfactory way, at an exceptionally low cost. The unit power plant, consisting of an engine, operated by kerosene or gasoline, which operates a generator, and attached to storage batteries, is found on thousands of farms.

The manifold uses of the home power plant are one of its most inviting features. Primarily designed to bring electric light to the home, thereby replacing unsatisfactory, unsafe kerosene and candle lights, there have also been devised convenient attachments for a great number of other purposes. In the laundry, for example, the electric power not only galls the cows, but separates the cream and churns the butter. Running grinders, fanning mill, shelling corn, all are simple work for the versatile power plant.

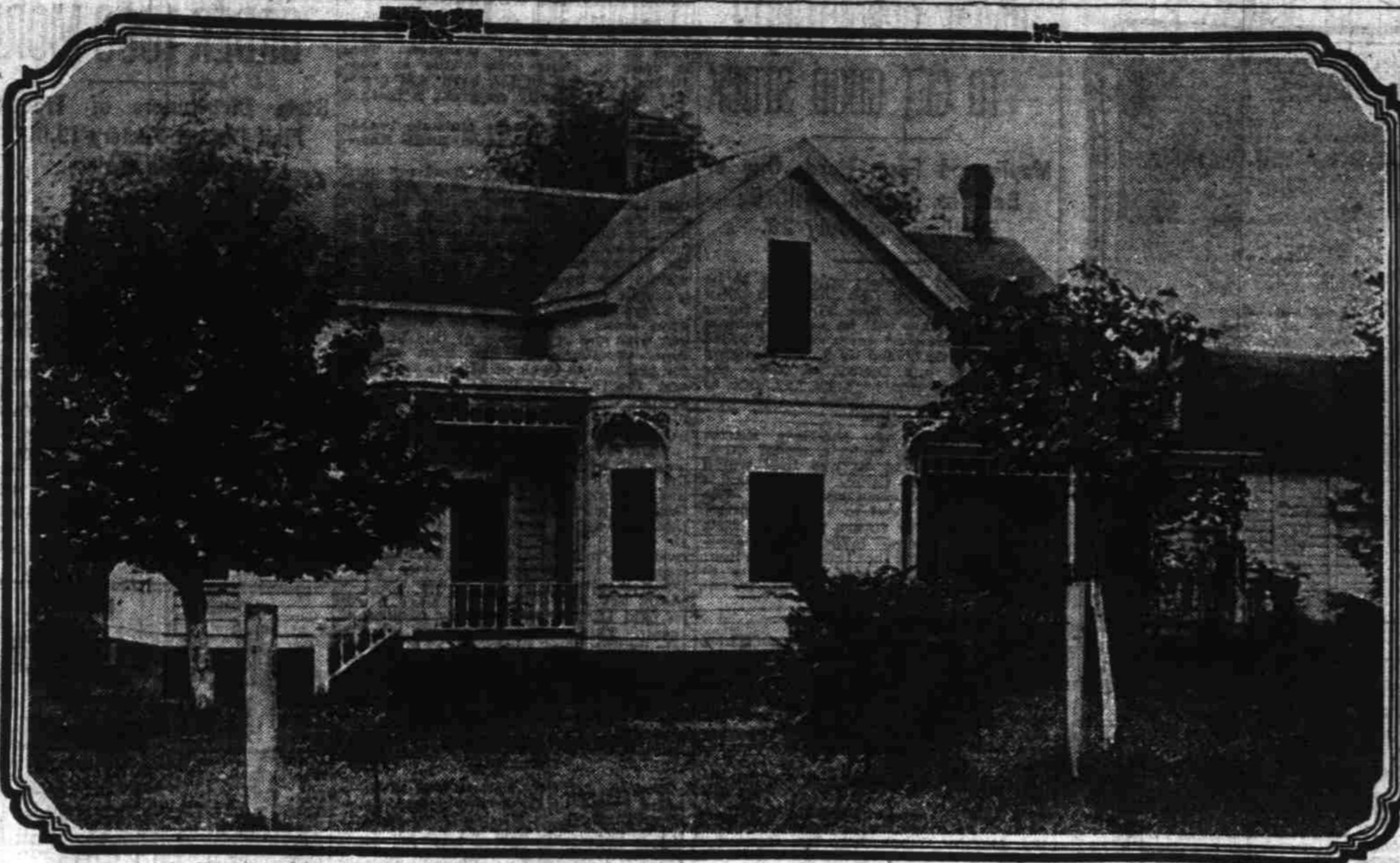
### HELPS FARMER'S WIFE

In the home, too, the farmer's wife finds her household made much more pleasant by the electric power ready for use in every light socket. A turn of the switch, and her vacuum cleaner takes the backache out of sweeping and cleaning. Blue Monday loses its dreariness when an electric washer cleans the clothes in two hours, and an electric iron takes all the tiring heat from ironing. The electric fan for summer days is as well known in the country as it is in the city, and so, too, are the electric toaster, percolator, chafing dish, and other handy cooking appliances.

The same power plant is now used to operate an automatic pressure water system, bringing to the farm home the greatest convenience of city life—cool, pure, fresh running water, when and where it is required.

The pages of "Oregon Country Life" contain many advertisements of interest to farmers. When answering these advertisements mention The Journal.

## ELECTRICAL OPERATION OF FARMS IS LATEST



Above—The Paul Bliss farm in Multnomah county. Below—The Miramonte farm, Aurora, Or., owned by the Muencke Bros. Both farms are electrically lighted.

## WORK SHOULD RULE QUESTION OF FOOD

Waste to Feed Animals Heavy Rations When Standing Idle in Stalls, as Fat Results.

The primary functions of food are to repair the waste of the body, to promote growth in immature animals, and to furnish heat and energy. And for these purposes only the digestible portion of the food is to be taken into account. The amount of digestible protein, fat, and carbohydrates in a ration is an indication of its fitness to fulfill these purposes.

The next question is, How much of these materials does an animal require, and in what proportions should they be given? This differs with the purpose for which the animal is kept, whether it is growing, being fattened, used for work or making milk. An animal standing in the stall requires less food nutrients than one which is worked hard every day. That is, in drawing heavy loads the animal breaks down or consumes a certain amount of muscular tissue, which must be replaced by protein in the food, and it uses energy or force which is also furnished by the food nutrients.

An animal standing in the barn requires some protein fat, and carbohydrates to perform the necessary functions of growth, a new coat of hair, etc. But if the body to maintain heat in winter, to it is fed the same ration as when working hard, the tendency is to get fat and waste the food.

## POULTRY NOTES

Test Egg Production—During the six weeks' poultry short course beginning September 23 at the University of California farm, Davis, various methods for testing for egg production will be shown, it is announced by Dean Thomas Forsyth Hunt of the College of Agriculture.

One of these tests, known as the color test, and based on the theory that the bright yellow color in the shanks of yellow-legged fowls fades out in proportion to the number of eggs the hen lays, is said to be of great value in culling out the slacker hens in July and August.

Careful investigations conducted by the poultry division of the University of California College of Agriculture are declared to show that in all the yellow-legged fowls, such as Leghorns, Plymouth Rocks, Wyandottes and Reds, the yellow color in the shanks, beak, ear lobes and skin slowly fades as the number of eggs increases during each laying season. While this method is not as accurate or as expensive as inspecting flocks of layers can be culled quite accurately by the use of this color test in connection with other physical

## Manager Will Be Named to Handle Deschutes Potatoes

Bend, Or., July 18.—With the employment of a manager to attend to its business for the coming year the Deschutes Valley Potato Growers' association will be more active this year in the potato market.

Prospects throughout the Deschutes river valley are exceptionally good considering the light rainfall, frequent frosts and generally late season. The acreage will be about 50 per cent greater than it was last year, according to an estimate made at the annual meeting of the potato growers last Saturday at Redmond. The price indications are good.

At the annual meeting Saturday the following officers were elected: Gus Staudig, Lewerbridge, president; S. D. Mustard, Redmond, vice president; board of directors, J. F. Rice, Robert Leadbetter, J. A. Melvin and R. S. Towan.

## BOYS LEAVE BECAUSE DAD REFUSES TO GIVE THEM AN EVEN BREAK

Young Man Who Lived on Farm All His Life Doesn't Even Know How to Drive.

Oregon Agricultural College, Corvallis, July 18.—"One young fellow who applied for work when men were not to be had was asked if he had ever lived on a farm," writes C. C. Calkins, county agent of Sherman county in the June Oregon Countryman.

"Oh, yes; all my life," he said.

"A farmer out here wants someone to drive six horses; can you do it?" he was asked.

"Don't know; I could harness them,

## Means of Dusting Required by Hens

Chickens never wash, as many other birds do, but cleanse themselves of insects by wallowing in soil. Where board or cement floors are used, some means of dusting should be provided during the winter months. For a flock of 50 to 80 fowls, a dust box 3 by 5 feet or 4 by 4 feet, will be found large enough in most instances, and should be placed where it can be reached by sunlight during as much of the day as possible. Fine, light, dry dust is the best, but sandy loam is good. Road dust is recommended by many, but it is apt to be filthy. Coal or wood ashes may be mixed with the soil if desired.

## The Silo That Means Success TO BE sure from the very first that your silage feeding is going to prove profitable, choose the

# INDIANA SILO

INDIANA SILO

Hundreds of farmers in Oregon found their prosperity began when they installed their first Indiana. The Indiana proves the economy of silage feeding. Air, which moulds and sours the silage, cannot get through the air-tight walls; moisture, which keeps the silage rich and tasty, cannot get out. The constructive features of the Indiana—the tongue and grooved staves, the patent doors, the choice of anchorage systems, all mean a silo that will stand straight and strong for many years. The wood does not rot or decay, because the silage juices actually preserve the Oregon Fir of which the staves are made.

Any way you figure it, the Indiana is the least expensive silo you can get. And the easy terms make it possible for the silo to

**Pay for Itself Before You Pay for It**

Send for the FREE 1919 SILO BOOK packed full of practical information about silos and silo building in Oregon. Write us for the easy terms.

ADDRESS DEPT. F  
The Chas. K. Spaulding Logging Co.  
Salem, Or.

Please send me, without any obligation on my part, the 1919 Silo Book.

NAME.....  
TOWN.....  
Street..... Silos now used.....

Over 70,000 Are Now in Use in America.

# Buy Your Fordson Tractor Now

## WESTERN UNION TELEGRAM

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DETROIT, MICH., July 7, 1919

VICK BROS.,  
Salem, Oregon.

Have been through factory today. They have made wonderful progress the last three months, again doubling their output. Even then are nineteen thousand orders behind on Fordson tractors. Will be impossible to get trainload this month, however have been promised forty-two carloads.

GEO. F. VICK. 747 AM

# VICK BROS.

SALEM  
State Distributors

## Guarantee Sale at Public Auction

of one of Oregon's most prominent herds of

# Holstein Cattle

MONDAY, JULY 28, at 11 A. M.

This is a guarantee sale in every respect. A herd that is absolutely free from all diseases. Also representing some of the finest records, high class breeding and individuality to be found in the west.

The dam of the bull in this herd has a 35-pound record. For catalog address Geo. A. Gue, Yakima, Wash., or C. O. Minton, 701 Spaulding Bldg., Portland, Oregon.

**J. W. Pomeroy & Sons, Owners**  
G. A. Gue, Yakima, Wash., and  
J. W. Hughes, Forest Grove, Auctioneers

Bus leaves St. Charles Hotel, Portland, at 10 A. M., passing the farm. Sale begins promptly at 11 A. M.

We Pay Half Freight on Carload Lots

**MAPLEWOOD FARM**  
SCAFFOOR, OREGON

July 18.—County club leaders throughout the state have returned from a conference on club work. They received instructions in canning, stock judging, gardening, cooking and sewing, in order to give information to the local club leaders necessary for demonstrations at the county and state fairs.

When answering advertisements mention the farm pages of The Journal.

## Red Sour Cherries Wanted

We are in the market for any kind of Red Sour Cherries not smaller than one-half inch, fully ripe, well colored, at 7¢ per pound, in boxes delivered to the express office addressed to the undersigned. Do not put too many cherries in a box, so as to avoid mashing in shipping.

**Puyallup & Sumner Fruit Growers' Canning Co.**  
Puyallup, Wash.

## The Man Behind the Cow!

is a hard worker. He is up early and late, out in all kinds of weather and, no matter what's going on, he must be home at milking time. Feed is high and in many sections scarce. But the cows are the meal tickets of the farm, the sure and never-failing pay check. The dairyman wants the top price, good test and courteous treatment. He has a right to demand these things, and he gets them when he is a patron of the Independence Creamery. That's the reason our list of patrons is growing.

Remember, we are in the market for all the good cream we can get.

## Independence Creamery

Independence, } Oregon.  
and Medford, }