

# PLACES ARE WORK

Now at Labor in Thirty-Three Northern and Western States.

## LARGE INCREASE IS NOTED

Part of National Plan to Augment Production and Conservation of Food Supplies to Meet War Emergency Needs.

Prepared by the United States Department of Agriculture.

More than 700 county agents and emergency demonstration agents are now at work in the 33 Northern and Western states. The increase in agricultural emergency appropriations became available was more in two months than the average yearly increase during any of the past four years.

County agricultural agent work is conducted by the United States department of agriculture in cooperation with the various state agricultural colleges and local organizations representing the farmers of the county in which the agent is located. The county agent is usually selected by a committee representing the county organization, on recommendation of the county agent leader at the agricultural college. There is at present an unusually great demand for men qualified for work of this kind to carry out the plan, adopted under the food production act, of employing an emergency demonstration agent for every agricultural county in the United States not having a regular county agent. This is a part of the national plan to increase the production and conservation of food to meet the war emergency needs.

Agent in Each County.

Organization of new counties is rapid, especially in states of the central West, where the agent's presence there will be a county agent or county emergency demonstration agent in each of their counties by February 1.

Maine, New Hampshire, Massachusetts, Connecticut, Rhode Island and Delaware already have an agent in each county, while New York, Indiana and Pennsylvania are almost completely covered. Nearly half of the agricultural counties in the Northern and Western states are now being served by a local demonstration agent, and the indications are that the country can be completely covered before the beginning of another crop year.

One of the most gratifying features of the organization campaign in the Northern and Western states thus far has been that most counties taking up the work are arranging for it on a permanent basis—many of them making plans for periods of three years.

Must Have Thorough Training.

The qualification requirement of agents is somewhat different in the various states. Graduation from an agricultural college is usually required, though training substantially equivalent to a four years' course at such college is usually insisted upon. A considerable amount of farm experience is a universal requirement, and it is preferable that some of this experience should be secured since completing the college.

Additional information in regard to county agent work and the organization of farm bureaus can be had by writing to your state agricultural college or to the United States department of agriculture, Washington, D. C.

## CHARACTERISTICS OF A RAM

Male Should Be Selected With Reference to Ewes in Flock—Proper Proportions.

A ram should be chosen having all the characteristics of the breed he represents, and showing character. He



## ARRANGING RATION FOR COWS

Three Things Should Be Borne in Mind—Protein, a Little Fat and to Supply Sufficiently.

The ration for the dry cow should be formulated with three things in mind, namely, to furnish the maximum amount of protein to develop the fetus properly and allow a surplus for the needs of the body of the cow; to supply enough carbohydrates that the cow may lay on a little fat; and to supply sufficient energy to keep her in good health. Some kind of green feed is very essential in the ration for the dry cow, and for this purpose alfalfa is the best. It is necessary to good digestion and assimilation of food.

## SOY-BEAN CAKE IS VALUABLE

Not Only Good for Live Stock, But Also for People When Used as Mixture With Flour.

Soy-bean cake is a very valuable food, not only for live stock, but also for people when used as a mixture with wheat flour. It would be well for the milk producer to use the soy beans to exert a little more care to see that a part of their output, at least, is well cleaned, sound and of uniform quality before grinding. This selected stock could be recommended for use as a mixture with other bread-stuff.

## KEEP FLOOR WELL LITTERED

Hens Will Get Needed Exercise in Scratching for Food and Keep in Good Health.

The poultry house floor should be kept well littered. It is important to scratch for their food, and if the poultry feeds part of the grain ration in deep litter, the hens will get needed exercise and keep in a strong, robust state of health.

## MUSKRAT FOR FOOD

The enormous numbers of muskrats which are thrown away after the pelts have been removed is a waste of food. The muskrat is an animal of most cleanly habits, is most discriminating in choice of food, and is a very acceptable addition to the table.

The writer can speak from personal experience to the effect that when cooked as rabbits are cooked the meat of the muskrat is extremely palatable. As a matter of fact, muskrats are sold for food in some of the eastern markets and some hunting clubs in the East have annual banquets in which the muskrat forms the chief dish. In some places this animal is known as the "marsh rabbit."

It is to be hoped that this means of reducing the cost of living, although slight, may not be overlooked.—F. L. Washburn, Minnesota Experiment Station.

## RAISING MORE BEEF CATTLE

Thousands of New Breeding Herds Being Established All Over Country With Better Stock.

It is a fact that there are thousands of new breeding herds being established all over the country. It is also a fact that farmers and small ranchmen are using more care in selecting the heifers and cows for these new



## Fine Beef Specimen

herds and the additions they are making to the herds they already have on their farms. Better quality has been procured from every hilltop in the land.

The live stock journals and agricultural papers are not let up in their advocacy of pure-bred cattle for the beef herds, and the voice has been heard.

## GRUBS INJURIOUS TO STOCK

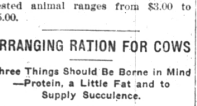
Pests Found on Backs of Cattle Develop Into Fleas and Oo Grabs Harm to Animals.

The characteristic lumps or swellings which may be found under the skin on the backs of many cattle from January to April contain grubs. If these grubs are allowed to remain, they will complete their growth, drop to the ground and transform to flies, which may reinfect the cattle during the early summer. The grubs weaken the cattle, cause them to fall off in flesh and milk, and decrease the value of the hide. The beef in the immediate vicinity of a grub becomes slimy and of a greenish color, and is known to the butcher as "licked beef." On an average the damage to the hide is placed at one-third their value and the loss of beef to each infected animal ranges from \$3.00 to \$5.00.

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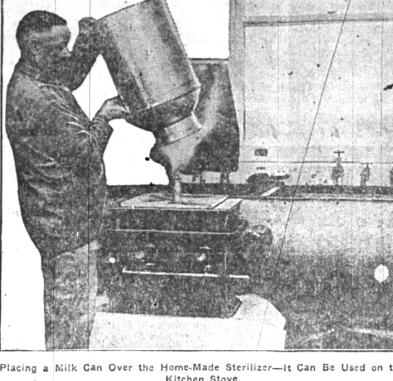
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# Helping the Meat and Milk Supply

(Special Information Service, U. S. Department of Agriculture.)

## A STEAM GERM-KILLER FOR SMALL DAIRIES



Placing a Milk Can Over the Home-Made Sterilizer—It Can Be Used on the Kitchen Stove.

## DEVICE INSURES CLEANSED MILK

Steam Destroys Disease Germs and Injurious Bacteria.

SMALL OUTFIT EASILY MADE

Tests Show Five-Minute Treatment of Dairy Utensils is Sufficient—Two-Burner Wickless Kerosene Stove is Useful.

Steam is the arch enemy of harmful bacteria that hide in milk utensils. But steam isn't the common method of sterilizing used in small dairies, because it is not always available. In fact, heating it, dairy utensils on small farms are not often sterilized satisfactorily, and as a result diseases hide in milk and may be carried to many families. Washing with cans and utensils, at least by the processes ordinarily used, does not insure freedom from infection and contamination.

For \$10 or \$15 a simple steam sterilizer, which will serve a small dairy, can be made in a short time. At that price, including the cost of the sterilizer, this sterilizer should be practical in any dairy from which cream or milk is sold. And the additional keeping qualities which the sterilization of utensils will give milk and cream probably will pay for the cost of the sterilizer in one season. For when utensils are treated with steam, all bacteria or disease germs which may be in them are destroyed, and the immediate vicinity of a grub becomes slimy and of a greenish color, and is known to the butcher as "licked beef." On an average the damage to the hide is placed at one-third their value and the loss of beef to each infected animal ranges from \$3.00 to \$5.00.

## FOR \$10 TO \$15, SMALL DAIRIES CAN HAVE STEAM STERILIZER.

The cost of the steam sterilizer itself should not be more than \$8. If it is necessary to buy a small stove the cost will be \$4 or \$5 more. The complete outfit in it can be bought at prices about as follows: Roasting pan, 25 cents to \$1, depending on the grade of iron. The galvanized iron with asbestos and construction work should not cost more than \$7, and the work can be done by any tinner. A two-burner wickless kerosene stove costs from \$4 to \$5; but in many cases it will not be necessary to purchase a stove. The details of making the sterilizer and suggestions as to how it should be operated are given in the Farmers' Bulletin 748 of the United States department of agriculture.

When properly operated this sterilizer destroys practically all the bacteria in the utensils, including all disease germs, which may be present. The details of the same results as any sterilizer in which steam not under pressure is used. Experience with it shows that the five-minute steaming is, for all practical purposes, as good as the 15-minute steaming usually recommended.

## ABOUT WEANING YOUNG PIGS

When the pigs are about five weeks old, they will begin to taste some of their mother's feed. It is important to wean them. Eight weeks is young enough to wean them, if there is a skin milk. Of course, the size and development has a great deal to do with their weaning age. If skin milk is not obtainable, it is better to let the pigs nurse the sow until ten weeks old.

## FATTENING FEED FOR FOWLS

Cornmeal, Middlings, Beef Scrap and Ground Oats Said to Be Advantageous.

A good fattening ration for poultry is two parts cornmeal, one part each of middlings, beef-scrap and ground oats, with the hulls sifted out. These meals should be thoroughly mixed, wet with milk and fed for the period three times a day. Usually, it is not profitable to keep birds in the fattening pen longer than three weeks.

## COMPOST HEAP IS ESSENTIAL

Leaves, Ashes and Other Refuse Matter Should Be Accumulated for Garden Soil.

With the existing high cost of fertilizers of all kinds it is important that every farmer have a compost heap where leaves, ashes and other refuse matter about the place can be accumulated for use on the garden soil.

## PATRIOTISM AND GOOD MILK.

Every owner of a dairy herd should consider it his duty to himself and to the community to keep only healthy cows. Supply them with wholesome feed and keep them in clean, comfortable quarters. There is not only patriotism in the service of the patrons which results from such management, but there is more profit.

The milkers and all who handle the milk should realize that they have in their charge a food which is easily contaminated and, should therefore, take all reasonable precautions to prevent the milk from becoming a source of danger to themselves and to the community.

The consumer should understand that clean, safe milk is worth more and its production costs more, than milk that contains dirt and disease germs; therefore he should be willing to pay more for it than for dirty milk, which is cheap at any price.

Eighteen inches above the cover and run from a distance of one inch from the corners to one inch from the steam outlet in the center.

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# YOU Should Use

Black Silk Stove Polish

Makes a brilliant, silvery polish that does not rub off or stain. It is the best for use on all metal surfaces, including brass, copper, silver, and chrome. It is also good for use on wood and stone.

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ORDER APPOINTING TIME FOR READING CLASSES

State of Michigan, the Probate Court for the County of St. Clair, do hereby certify that the following is a true and correct copy of the will of the late SOPHIA C. BURNS, deceased.

Charles J. Shain, administrator with will annexed, do hereby certify that the following is a true and correct copy of the will of the late SOPHIA C. BURNS, deceased.

DRUGS FOR SALE

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# To Our Customers and the Public:

On and after January 1, 1918, we ask you to save the ticket you get with each purchase. When you have saved \$5.00 worth of these tickets, return to us and receive \$25 in trade; \$10.00 worth, 50 cents in trade.

Buy where price and quality count—not quantity.

## Our Cash Market

110 SOUTH WOODWARD AVENUE  
Phone 244  
We also maintain a delivery. All orders sent C. O. D.

# WHITEHEAD AND STANDART

Real Estate Insurance Loans

## GREENWOOD ADDITION

Birmingham's Most Beautiful New Residence Location

High and dry, 300 feet above Detroit River, 7 blocks from electric car on Woodward Avenue, no track to cross, pure city water direct from artesian wells, electric lights, city gas, excellent drainage, altogether ideal sanitary condition for healthy homes.

Think what it means to live within a couple of blocks of pavement the entire distance to the city, electrically lighted and double line of electric railway with 15-minute service, and a 30-minute motor trip to city hall.

TERMS—20 per cent cash; balance in quarterly payments of \$25 or more, with 6 per cent interest, payable semi-annually.

## Vegetarian Test

Dr. Q. Decker's vegetable test is as follows: Take an apple and a piece of steak. Set them aside for a week in a fairly warm temperature and see what happens. The steak will spoil to heaven, the apple not so. Place the steak under a microscope and you will find it swarming with horrors.

## The Sun and Substance

of being a subscriber to this paper is that you and your family become attached to it. The paper becomes a member of the family and its changing each week will be as welcome as the arrival of anyone that's dear. It will keep you informed on the things of the community and the bargains of the merchants. Regularly advertised will enable you to save many times the cost of the subscription.

## Grinnell Bros. Own Make Pianos

Here's a Fact Surely Worthy Your Consideration—

MORE OF THESE PIANOS HAVE BEEN SOLD IN MICHIGAN IN THE LAST FIVE YEARS THAN ALL OTHER HIGH-GRADE MAKERS COMBINED!

In hearing why its quality—its standing, and its price make it so greatly preferred to all other makes, you'll learn of musical worth praised by famous artists—of reliability insuring a lifetime of service—of great saving through our factory-to-you price—of ALL THESE FEATURES—BEING TO YOUR HOME GREATEST PLEASURE AND SATISFACTION IN PIANO OWNERSHIP.

Like thousands of others, you, too, will find many advantages in buying a GRINNELL BROS. (own make) PIANO!

Very Easy Terms  
We've Three Piano Factories  
Pontiac Store, 73 North Saginaw Street  
Pianos, Player-Pianos, Victrolas, Records, Violins, Guitars, Ukuleles, etc.