

## FARM AND DAIRY

## Accredited Herds in the United States

One Method by Which Assistance is Rendered to Dairy Cattle Breeders Who Wish to Keep Their Herds Free From Tuberculosis

A FEW years ago the great dairy State of Wisconsin established what is known as its Accredited Herd System. Under this system breeders of purebred live stock placed their herds under the direction of the State Department of Agriculture, the Department arranging to have all of the animals in these herds tested at regular intervals, and if a herd was kept free of tuberculosis, it was registered in Wisconsin's list of accredited herds. The system proved to be of advantage, both to the breeders of live stock and to prospective purchasers. Breeders who entered their herds with the Department were given assistance in keeping them clean and in the sale of surplus stock they found it a distinct advantage to have a State guarantee as to the health of their animals. Similarly the purchaser of a purebred animal could buy from these herds with reasonable certainty that he would not be introducing disease into his own herd.

So successful was the system in Wisconsin that it has now been taken over by the Bureau of Animal Industry of the United States, and will in future be known as the State and Federal Accredited Herds System. The Wisconsin accredited herds will now be transferred to the Federal list and the work will be conducted from Washington.

The detailed regulations adopted by the Bureau of Animal Industry and the State and by the U. S. Sanitary Board are herewith presented:

1. A tuberculosis-free accredited purebred herd is one which has been tuberculosis tested by the subcutaneous method, or any other test approved by the Bureau of Animal Industry, under the supervision of the Bureau of Animal Industry, or a regularly employed veterinary inspector of the State in which co-operative tuberculosis eradication work is being conducted jointly by the United States Department of Agriculture and the State. Further, it shall be a herd in which no animal affected with tuberculosis has been found upon two annual or three semi-annual tuberculosis tests, as above described, and by physical examination.

2. The entire herd, or any cattle in the herd, shall be tuberculin tested or retested at such times as is considered necessary by the Federal and State authorities.

3. No cattle shall be presented for the tuberculin test which have been injected with tuberculin within 60 days immediately preceding or which have at any time reacted to a tuberculin test.

4. No herd shall be classed as an accredited herd in which tuberculosis has been found by the application of the test, as referred to in paragraph 1, until such herd has been successfully subjected to three consecutive tests with tuberculin, applied at intervals of not less than six months, the first interval dating from the date of removal of the tuberculous animal from the herd.

5. Prior to each tuberculin test, satisfactory evidence of the identity of the registered animals shall be presented to the inspector. Any grade cattle maintained in the herd, or associated with animals of the herd, shall be identified by a tag or other marking satisfactory to the State and Federal officials.

6. All animals removed of registered cattle from the herd, either by sale, death, or slaughter, shall be reported promptly to the said State of Federal officials, giving the identification of the animal and, if sold, the name and address of the person to whom transferred. If the transfer is made from one accredited herd to another accredited herd, the shipment shall be credited in properly cleaned and

disinfected cars. No cattle shall be allowed to associate with the herd which has not passed a tuberculin test approved by the State and Federal officials.

7. All milk and other dairy products fed to calves shall be that produced by an accredited herd, or, if from outside or unknown sources, it shall be pasteurized by heating to not less than 150 F. for not less than 20 minutes.

8. All reasonable sanitary measures and other recommendations by the State and Federal authorities for the control of tuberculosis shall be complied with.

9. Cattle from an accredited herd may be shipped interstate by certificate obtained from the office of the State live stock sanitary officials of the State in which the herd is located or from the office of the Bureau of Animal Industry, without further tuberculin test for a period of one

### SAVE COAL! SAVE MONEY! SAVE HEALTH!

By Prof. Ellsworth Huntington, of Yale University.

Less Coal, Fewer Coughs,  
Less Coal, Fewer Deaths.  
Burn Less, Bury Less.

Save coal and you will save money. It is easy to see how that will happen in these days of high prices. Save coal and you will save money. It is easy to see how our fight for liberty will save liberty. If the coal line of our factories, railways, and steamships are kept full, Save coal and you will save liberty. Can this be true? I want our saving of coal to be at the expense of no one.

On the contrary, the shortage of coal will actually improve our health. With better health we shall have fewer doctor's bills. The coal line of our factories, railways, and steamships are kept full, Save coal and you will save liberty. Can this be true? I want our saving of coal to be at the expense of no one.

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October 10, 1918.

be shipped just as animals not of the accredited list.

Reinstating a herd which has Shown Reactors.—A herd having shown one or a limited number of reactors can be reinstated by passing two semi-annual tests.

Status of Young Animals.—Any animal too young to be tested at any regular herd test may be sold as an accredited animal with a special test, until the next regular test of the herd.

### Farm Management

#### The Seed Purchasing Commission

T. G. Raynor, Ottawa, Ont.

LARGE quantities of seed grain have been needed during the last two years for some of the provinces. The appointment of the Seed Purchasing Commission was a result of the fact that the seed was in such short supply that it was nearly impossible to get it at a near cost as possible. Seed Commissioner Clark, who is responsible for the operation of this Commission, says that during the past two years he has had to handle \$5,400,000 worth of business and show a credit balance of \$7,400, which is certainly a very small margin.

The Commission control three elevators, one at Calgary, one at Moose Jaw and one in Winnipeg. These elevators are now equipped with cleaning plants second to none and the result is very satisfactory seed. The best seed wheat, oats and barley that can be found in the west each year is sent in car load lots to these elevators, stored and cleaned and sent out again in car load lots to purchasers all over Canada. If less than this quantity is needed, the price is advanced enough to cover the extra cost of transportation, etc.

The result of this work has been marked in the west, where the seed has been used in large quantities in seed wheat and oats each year. In the case of the Maritime provinces the results are not so marked as the Marquis wheat doesn't seem to be so well suited to their climatic conditions as is the White Russian variety, but which is not grown in the west.

Already this year the Commission have the right to say any cars of seed from coming east that are at all suitable for seed. They are sent to three elevators to be cleaned and used for seed in those parts of the country that suffered so much from drought and frost this season. It is quite possible, in addition to the large quantities of Ontario or may be needed for seed to supplement the seed from the west. The seed from Prince Edward Island has come forward and offered to supply seed, and of which they, too, have an abundant crop. They are good oats but the cost of transportation is greater than in Ontario, and of which there is an abundance this season and of excellent quality.

#### Fertilizers for 1919

NOW is the time for the farmer to plan his crop for 1919, and in doing so to decide upon what fertilizers, if any, he purposes to use. Last spring there was considerable disappointment among farmers, especially among those who had delayed placing their orders till a few weeks before the season opened, as there was not only a shortage of material but transportation facilities were such that many of the deliveries could not be made. There is no prospect that conditions will be better next spring, and it therefore behooves the farmer to scan the prices and having made his selection to place his orders, stipulating

(Continued on page 12.)

## FARM C

Hen Ho

H. Percy Blanchard,

ONE of the fascinating fields of investigation is the evidence of turn or rather tender plicities. We see it surgery as well as in the. Not only in the elements which nature abundance, that was necessities of the day civilized man. Ezekiel voices this mate, when he says of the trees were for the nation. It is a curious itself into the sim um, the twentieth cen product of common is a fairy storyhouse a thousand wonders crushed granite or fertilizer. Then the gofaher of good clo a nitrogen factory. It will discover the cheap mixture which compound with atom just as readily as qu drate—when the d

We do many unuse we only knew it, on need to think that he got, would gorge i he he got the chance put the food in a b strange till he is ready strange to say, he m time. Wonderful m times and times re feeding poultry. The own foods for the home s an own hopper, and n sally he feed herself, s more intelligence t did. The water heated hen house has gone the way. Now, a hen house with a room for the wind. And of what I consider it is based on results, in houses I ever saw.

It was in Cape Bre there was a man him Mr. K. who had tract" and did a little He kept a dozen in a lot of oats to the of superior intelligence a real genius. When horse barn he did not eral example of throve to the weather, but shed to protect it, happened, or probably on the south side of great masses of stone and allowed the sun to pour in. Nests were in a convenient place. fect paradise for the h weighed and found. They luxuriated in the warmth from the ure. Outdoors it might the chilly easterlies April, but for them spring. As to eggs, winter long. There are having hens around There is an argumen house like the picture department, but for thought out and design that delivered the good really so for the me to Mr. K's hen in Oranodale, C.B. 30 y

Our Frontis

ON the front cover of this week's Library of the Regard 152314, who he lived at the Univers Columbia. The two- not only champion Reg



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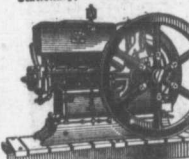
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