

# TREASURE STATE FARM AND LIVESTOCK

## INFLUENZA AND HOW TO TREAT IT

DISEASE IS VERY PREVALENT ALL OVER THE STATE, AND MANY LOSSES REPORTED

Deputy State Veterinarian Nelson Describes Symptoms and Treatment; One Dose of Serum Given Before Horse Is Infected Gives High Degree of Immunity.

Influenza and "pink eye" have been very prevalent throughout some sections of Montana this fall, and serious losses to owners of horses have resulted. Symptoms, preventives and the treatment of influenza are covered in the following statement recently made by Deputy State Veterinarian Frank M. Nelson:

"The winter season is the period of greatest loss to horse owners and dealers. The danger of their horses contracting influenza or strangles is much greater than at other seasons of the year, because animals are usually more closely confined, or are being used in hauling grain to the markets. Public barns are a very prevalent source of contagion at this time of year as it is impossible to disinfect them and they are always filled, stable room often being at a premium.

**The Symptoms.**

"The most noticeable symptoms are loss of appetite, rapid breathing, depression and languor of movement and weakness. The membranes of the mouth and nostrils are dry and hot; swallowing often becomes difficult. The temperature is high. In the early stages the animals are constipated, later followed by mild diarrhoea. The eyes are swollen and inflamed and may later discharge pus. Swellings are noticed in the limbs, chest and sheath.

"Horses can be easily and satisfactorily immunized against these diseases. One full dose of serum, given before the horse is infected with either influenza or strangles (distemper), gives a high degree of immunity.

**Ninety Per Cent Immunized.**

"Veterinarians who use the serum in the big stockyards of Chicago and

## Fergus County to Hold Fair; Trees for Farmers

Fergus county is to have a fair. The board of county commissioners will finance it. A commission, comprising Amos Snyder of Becket, C. L. Wentworth of Lewistown, Tom Nicholson of Hobson and Ben F. Hills of Coffee Creek, has been named to have executive charge, and L. D. Blodgett, manager of the Lewistown chamber of commerce will be secretary of the commission. It is proposed to make this annual gathering one that will attract farmers from every section of the Judith basin.

The first meeting of this board will take place during the "Farmer's Big Week" at Lewistown. At this time there will be a general going over of the plans for the fair. The commissioners have agreed to turn over the grounds in tip-top shape for a fair, so the new fair commission will not have any of this detail to contend with. They will arrange for the premium lists, the entertainment, the publicity, the appointing of district advisory boards and such other regular business that would naturally come before such a body of men. It is hoped that this fair will be a success, especially since the county has taken over the grounds and has made it a county institution.

**To District the County.**

The plan is to divide the county into divisions, the outlines of each division to be determined by the school districts that comprise it. There will probably be several districts in one division and each division will compete for the grand prize the same as each county endeavors to secure first prize at the state fair.

Fergus county will again go to the Kansas City state that if horses are immunized before they leave the farms a 90 per cent immunity can be established.

"Large horse owners in this county who are using the serum say that the horses are not only free from the above mentioned diseases but that they come out in the spring much better than the ones that have not been treated."

state fair and with even a larger and better display than ever, and will try to secure the state prize for arrangement as usual. Owners of cattle, hogs, sheep and horses, who believe that they have stock that will compare favorably with that raised in Fergus county, will have the privilege of showing them at this fair, and can at the same time arrange for their sale, should they so desire.

**Sale to Be Conducted Every Day.**

It will be the duty of the commission to provide a sales stable at this fair, and a sale will be conducted every day of the fair. A commodious sales barn will be built and perhaps if present plans work out, there will be sales offered the public every month or even twice per month as the occasion demands.

One interesting feature of the new scheme of things on the fair grounds, is the establishment of a county tree nursery. This will be in the hands of Daniel Eban, one of Fergus county's most progressive landscape gardeners. The plan is to grow trees of the sort that are hardy and adapted to this climate and sell them out to the farmer in lots to suit his convenience and at cost. The idea is to encourage the planting of hardy trees on the bench land farms and to eventually build up groves similar in appearance to the groves of eastern Dakota and Minnesota, where the same thing has been done so successfully. The county commissioners of Fergus county are a live wire body of men, and they stand for anything that means the progress of the county at large. Any one interested in the coming Fergus county fair who wishes to list stock for sale or for show, will do well to get in touch with the secretary, L. D. Blodgett, in care of the chamber of commerce, at Lewistown.

## 5,035 SAMPLES OF SEED TESTED

MONTANA FARMERS ARE MAKING USE OF STATE GRAIN LABORATORY AT BOZEMAN.

Only Laboratory Which Made More Tests Than Bozeman Was That Maintained by Minnesota; Increased Amount of Weeds Found in Many Grass Seeds.

During the year 1915-16 the farmers and grain dealers of Montana have submitted 5,035 samples of seeds to the state grain laboratory at Bozeman to be tested for germination and purity. The demand which Montana farmers and dealers are making on this laboratory and the significance of these figures will be better appreciated when this number is compared with the number of samples sent to other state grain laboratories. There are 32 such laboratories in the United States and their reports show that they handled an average of 800 to 1,200 samples a year. Only one, the Minnesota state grain laboratory, handled more samples this year than did the Montana state laboratory.

**Weeds in Seeds.**

The report of the laboratory which is just out calls attention to the fact that the amount of weed seed found in seed samples has steadily increased during the last three years. Thus the percentage of alfalfa seed samples containing mustard seed increased from 7.6 per cent in 1914 to 8.8 per cent in 1915, and 17.2 per cent in 1916. The number of alfalfa seed samples containing Russian thistle seed increased from 34.9 per cent in 1914 to 45.6 per cent in 1915 and 52.1 per cent in 1916. Like increases are noted in the case of lamb's quarter, plantain, foxtail, and others. An increase of these weeds was also found in samples of red clover, sweet clover, and timothy.

This goes to show that the seeds being produced in the state are on fields where weeds are on the increase or that the seeds being shipped in and sold to the farmers contain more noxious weeds than in the past, a condition pointing to a rapidly approaching time when weeds will be a serious factor in crop production in Montana.

**Dangerous Weed Pests.**

Farmers will do well to look carefully to the seed they are buying to make sure they are not infecting their farms with dangerous weed pests. Germination and purity tests of seeds can be obtained free at the state grain laboratory which is situated at Bozeman and the wise farmer will take this means of determining the quality of the seed which he contemplates buying or sowing.

## Sells One Car Load for More Than Price Paid for His Land

Here is another agricultural romance. Otto L. Lyon, a Toole county farmer, sold a carload of wheat the other day for \$4,000. The money represented more than the price he paid for the farm a few years ago, and was only part of his crop.

Lyon and his brother have received \$9,000 for the first three carloads of grain marketed. They have wheat left in their granaries.

## EGG PRODUCTION COST EXCESSIVE

MAINTENANCE OF 100 HENS FOR 30 DAYS COSTS \$30; EGG REVENUE ABOUT \$23.

Farmers Have Sold Off Surplus Poultry Stock and It Will Be Years Before Selling Price of Eggs Is Under Fifty Cents Per Dozen; Storage Profitable for Housewives.

At the present time fresh eggs are selling at retail for more than ever before in the history of this country, and many customers are shouting graft and unreasonable profits for the producer. Although it must be admitted that eggs are not worth 75 cents per dozen at retail for food as compared with milk, flour, potatoes, and meat, they are nevertheless a necessity for children and invalids because of the digestibility and high mineral content. There is also a call for eggs from people who can afford to pay these prices to such an extent that the present demand far exceeds the supply. Another legitimate reason for the excessive high prices is the fact that hundreds of farmers all over the country have sold all or a large number of their fowls during the past two months because of the high cost of feed, and as a result of this there are many thousand less egg-producing fowls in existence today than in previous years at this season.

**Only Experts Make Profit.**

It stands to reason that farmers would not be selling their fowls for meat if they felt that by keeping them they could realize a profit during the fall and winter. As a matter of fact it is only expert poultrymen with every advantage of equipment and well-bred stock who are able to make a good profit with the present cost of raw materials and labor.

It costs about \$20 per month to feed 100 hens, and labor and overhead charges would increase this amount to \$30. The average production of fowls during November, according to estimates from several agricultural colleges, is 15 eggs per day from 100 hens. This would be a total for the month of 450 eggs, or little less than 38 dozen. Most producers are receiving at least 60 cents per dozen for their eggs at the present time, which would make the average total income from 100 hens \$22.80.

**Store Eggs When Cheap.**

These figures prove that the average farmer is losing \$7.20 per month on every 100 hens during November and the months of October and December and would also show a loss, although not quite so great. Hens do not lay in the fall and early winter months, and it will be many years before careful breeding will develop enough birds which will lay at this time to bring the price of eggs down below 50 cents per dozen. Storage eggs will always have a place in the markets and it will always be profitable for housewives to store their own in the spring. When all consumers recognize this fact and prepare themselves, it will help to keep the price at a minimum in the fall for the consumer and help to maintain a reasonable price for producers in the spring.

**Blizzard in Dakota.**

North Dakota is in the grasp of the blizzard. At Fargo the northeast wind is driving the snow in front of it at the rate of 40 miles an hour. The velocity of the wind is unprecedented for this season of the year.

**Montana Buys Holsteins.**

T. L. Cops of the St. Ignace country has purchased a small herd of registered Holsteins. The purchase was made at the Yakima Valley Breeders' sale held recently.

**Sheep King of Madison.**

Frank Reid is one of the sheep kings of Madison county. He has just purchased the Stewart flock which gives him about 12,000 head of sheep, worth approximately \$125,000. He made his start in Madison county about 20 years ago, in a humble way, and now bankers salute him with cordiality.

## Banks Full of Money and Only Half Crop Has Been Turned Off

According to the statement of Bank Examiner H. S. McGraw the banks of the state are in excellent condition. He says:

"On November 17, 1916, there were 245 state banks with resources amounting to \$104,287,000.

"On Nov. 10, 1915, the 235 state banks showed deposits amounting to \$53,016,000 and the same date the 95 national banks showed deposits of \$43,910,000, making a total of \$97,526,000.

"November 17, 1916, the 245 state banks showed deposits amounting to \$82,335,000 and on the same date the 75 national banks had deposits estimated at \$72,451,000, or a total of \$154,786,000.

"This is a wonderful showing, considering the fact that all the information I have received from the country banks shows that not more than 50 per cent of the grain crop has been placed on the market."

## WORLD IN BRIEF

San Francisco.—Five cent bread has been placed on the market here.

Halifax.—The missing torpedo boat Grisle, given up for lost, limped out port the other day.

Washington.—The new immigration bill, as amended, will exclude Hindus and other Asiatics.

Wheeling.—Complete returns, just in, indicate that woman suffrage has been overwhelmingly defeated.

Washington.—Senator Meyers, who underwent a slight operation a few days ago, is recovering rapidly.

New York.—As the result of the peace talk, vague as it is, all stock values have declined, as well as wheat.

Duluth.—Domestic servants are organizing here, and it is expected that the movement will extend all over the country.

Washington.—There is widespread agitation looking to the abolition of the electoral college and permit of the election of president by direct vote.

Washington.—Hope for the early opening of the For, Assiniboine reservation for early entry is held out by the commissioner of the general land office.

London.—There is no abatement of Great Britain's military preparations as is evidenced by the vote of parliament of \$2,000,000,000 more for war purposes.

Chicago.—One hundred farmers from Wisconsin, Indiana and Illinois will be summoned by the government in the grand jury's investigation into the high cost of living.

Washington.—The woman suffrage advocates won a partial victory when the Susan B. Anthony amendment was reported favorably by the house committee without recommendation.

Minneapolis.—Highwaymen infest this city. Holdups are of nightly occurrence, and 150 plain clothes men have been detailed in a determined effort to check the brigandage.

Paris.—Joffre, commander in chief of the allied armies, is to be retired by the new French cabinet, and General Petain, the defender of Verdun, will succeed him. Petain began the war as a colonel.

Copenhagen.—The plebiscite on the question of the sale of the Danish West Indies to the United States resulted in an overwhelmingly large majority in favor of the sale. This means that the United States will acquire the islands.

Chicago.—Petitions demanding an embargo be placed on flour, sugar, canned milk, tomatoes and wheat are to be posted in every grocery in 41 states, for the signatures of housewives, if the American Association of Retail Grocers has its way.

Washington.—The commissioner of the general land office, in his annual report, strongly recommends the passage of a bill introduced at the last session by Senator Myers of Montana which aims to put an end to the operations of fraudulent land locators.

London.—Forcible deportation of the Lithuanian peasant to work in the fields of Germany has provoked several revolts. Peasants, armed with hatchets, attacked the German commission sent to enroll them. In some districts peasants are hiding in the marshes.

Washington.—United States Sena-

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tor T. J. Walsh and State Senator Fred Whiteside found a sympathetic listener in Secretary McAdoo when they conferred with him with reference to the establishment of one of the federal farm loan banks in Montana. The district proposed would include Montana and Wyoming. It is reported that State Senator O'Shea of Carbon county and A. J. Stillman of Flathead county were mentioned in regard to the appointment of officers to manage the bank.

Washington.—The contractors on the 640-acre grazing bill have reached a tentative agreement under which it is expected the bill will pass with the provisions eliminated which give entrymen the privilege of purchasing lands at \$1.25 per acre and permitting entries to be made of grazing lands before the lands are designated by the entire department as suitable only for grazing purposes.



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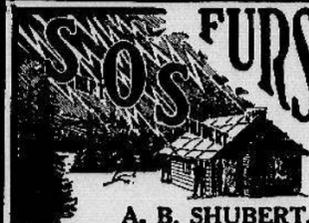
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