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Pat Burns, the Calgary cattle king, is coming in for considerable adverse criticism from the Alberta Farmers' Association just now. Mr. Burns is reported buying cattle down in the States at a higher price than he is paying here, which is no doubt a fact, for if he is making any purchases on the other side of the line just now, he is paying more for his stuff than is being paid int any of the three prairie provinces.

The Department of Agriculture is endeavoring to establish some better relation than is at present apparent between the composition of wheat as revealed by chemical analysis and its baking or bread making value. While the work is not yet sufficiently advanced to warrant any definite announcement being made thereon, it is very probable however, that it is the amount and nature of the nitrogenous compounds that are the determining factors.

QUESTIONS AND ANSWERS.

TEAM OUT OF CONDITION.

Horse in run down condition worked easily for about two weeks then kept him at it steady. One day he lay down at noon and again at night. Seems alright but walks with sprawling gait and breathes heavy.

2. Another horse is subject to attacks of colic, was stung badly with bees a few years ago. Would that be the cause of it? Eats earth quite often. What should I do for each?

Alta. W. J. B.
 Ans.—See that his teeth are alright, then give him a tonic consisting of one dram each of sulphate of iron, gentian and nux vomica, or the powder given in answer to "Mare out of condition" in this column. Allow plenty of salt and keep his bowels loose with bran or oil cake.

2. Give same treatment. He evidently wants salt. Probably he has a collection of gravel in his stomach which causes colic. Sometimes horses develop depraved appetites, and sometimes they eat earth instead of salt.

REDUCING ENLARGEMENT.

A horse 5 years old got cut with barb wire last Aug. Wound has nearly healed up but has left a large lump. What treatment would you advise without blistering? Was cut between hock and fetlock on back of hind leg. "Homesteader."
 Alta. W. B.

Ans.—Try Absorbine on the enlargement if you do not wish to blister.

WOUNDED FETLOCK.

Sucking colt got its fetlock torn in front, right over the joint. What shall I apply so as to leave no disfiguration?

L. L.
 Ans.—The result of a wound depends greatly upon the early treatment. In most cases it is wise to stitch it. It is very hard to treat wound on a joint, where every motion of the limb opens and closes it. All that you can do now is to keep the colt as quiet as possible. Keep the wound clean by bathing with warm water, and apply a good antiseptic, as a five-per-cent. solution of carbolic in water four or five times daily. It is not probable you will be able to prevent a visible scar, and possibly, some enlargement, which will gradually disappear or nearly so.

BRUISED LEG.

A horse injured his hind leg by kicking a pole and soon after the leg swelled badly for a few days, then seemed to go down. After about three weeks it swelled again; bathed with hot water and applied Samson's Liniment and after about two days a lump formed and broke just above the fetlock. I washed regularly and applied an ointment and it is healing nicely but continues to swell at night. In

daytime it never goes down to natural size.
 Alta. P. P.

Ans.—The covering of the bone has most likely been injured. Subdue the inflammation with applications of Absorbine. Afterwards apply a blister, Biniodide of Mercury 3 drams, Powdered Cantharides 3 drams, Vaseline 3 ounces; rub in well, leave on for 36 hours, then wash off and grease the blister. Might have to be repeated in 3 or 4 weeks.

MARE OUT OF CONDITION.

I have a mare that eats and drinks well but never seems to have enough and tires easily at her work.
 Man. J. B.

Ans.—Your mare's digestive organs are in very bad condition. You ought to have her teeth examined and attended to. If necessary, give gentle exercise and good food, not too bulky, and give the following condition powder:

- Sulphate of Iron 4 ounces
- Powdered Gentian 4 ounces
- Bicarbonate of Soda 4 ounces
- Nitrate of Potash 3 ounces
- Powdered Charcoal 4 ounces
- Powdered Nux Vomica 2 ounces

Give a tablespoon in mash once a day.

SORE NECK—CONDITION POWDER.

1. Horse is subject to a sore neck whenever he is worked to a machine whose tongue causes weight upon the collar. Little boils form, then break, and are hard to heal. I have had a collar made to fit him, and have tried zinc and mostly all kinds of pads to no purpose.

2. Give recipe for good condition powder.
 W. M. B.

Ans.—1. Some horses are particularly predisposed to this trouble. It is almost impossible to heal the parts without giving rest. During the first stages the application of hot linseed-meal poultices hasten the formation of pus and allays inflammation. After eruptions take place, the parts should be dressed, three times daily, with a lotion composed of one ounce each sulphate of zinc and acetate of lead, half ounce carbolic acid and one pint water. All that can be done to prevent the trouble is to wear a good-fitting collar, with a hard, smooth leather pad, which must be kept clean, and the collar should be taken off whenever the horse is in the stable, even for a short time.

2. Take one pound each of sulphate of iron, gentian, ginger and nux vomica, and two ounces quinine. Mix. Dose: one tablespoonful, twice daily.

BLOOD CLOT.

I have a horse that has not been doing very well this last two or three months. While working on the binder he got very weak and thin although a very easy horse to keep in flesh when right. At last got very lame on one hind leg holding it up to his belly in great pain. When he walks four or five rods he goes lame again and seems to be in great pain but while standing in the stable he seems to be all right. He feeds well and would eat anything I give him, in fact he would eat too much. I gave him a dose of linseed oil.
 Man. C. P.

Ans.—There is certainly something very seriously wrong with your horse's circulatory system. From your description there is every indication of a clot being formed in the main artery of the hind leg, causing the animal to go suddenly lame and be in great pain. Would recommend rest and the following powder: sulphate of iron, four ounces; powdered gentian, four ounces; nux vomica, two ounces; powdered digitalis, one and a half ounces; give a desert spoonful twice per day in mash.

SWELLING ON MILCH COWS.

I have a cow with a hard swelling directly in front of the udder, it started about three weeks ago and has been increasing in size ever since. It is now about the size of a football. She has been milking for about six months and gives about three quarts at a milking. I have been feeding one gallon of bran and oat chop mixed, twice

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