

RHYMES OF THE ROAD

Under the spreading chestnut tree the village smithy stands: The smith, however, isn't there, with hammers in his hands. The weather-beaten sign is gone, now there's a new addition, which says "Garage, Oil, Gasoline" and "Expert Mechanic."

MINERALS FOR STOCK

NECESSARY FOR THE WELL BEING OF THE BODY.

Recognition of Mineral Deficiencies—Methods of Supplementary Feeding—Burning by Paris Green Sprays.

Contributed by Ontario Department of Agriculture, Toronto.

In the construction of the animal body some of the principal minerals are used. This seems a lot, and when we look at a cow or a pig, nothing of a metallic nature is in view unless it is shining in the pig's nose. Minerals are reduced to forms that the human cannot readily recognize, by various processes before they are used in body building.

The experienced feeder knows that salt is essential to the well-being of his animals, so he provides it. In doing so two of the necessary minerals, sodium and chlorine, find their way to the structural units of the body.

Recognition of Mineral Deficiencies. 1. Iodine.—Big neck or gottle in new-born calves, lambs, foals and dead hairless pigs indicate that this mineral element was not present in quantity sufficient for normal development.

Calcium and Phosphorus.—Rickets in young animals, paralytic condition of the joints of either fore or hind limbs, weak legs, and soft-shelled eggs in chickens, and low milk production are common conditions where these minerals are not supplied in sufficient quantity.

Phosphorus.—Alfalfa, Red Clover, Tankage, Dried Milk products, Skim milk, Butter milk, Whey, Cereal straw, roots, Timothy hay, cereal straw.

Food Rich in Calcium in Moderate Amount.—Dried beet pulp, corn silage, corn fodder.

Calcium can be supplied by feeding steamed bonemeal, raw rock phosphate, whiting, chalk, attacked lime, limestone, marl, or wood ashes, in quantities sufficient to supply the need along with the daily ration.

Phosphorus can be supplied best by using phosphorus rich food as hay, linseed meal and tankage, or by using raw rock phosphate flasks in conjunction with calcium.

Iodine can be supplied by using sea salt from which the iodine has not been removed or by using the commercial iodized salt.

The quantities required are not large. For animals at pasture a good method is to use a practical method. For stall-fed animals the ingredients can be mixed and given with the daily ration, where calcium and phosphorus alone are required such can be supplied by mixing steamed bone meal, marl and salt.

If the milk yields are low, and the cows chewing bones, look to the mineral content of the feed and make adjustment. If the pigs are crippled, with swollen joints and defective bones, look to the mineral content of the feed. If the hens are laying soft-shelled eggs, look to the mineral content of the food.

The cow shut up in the barn yard and the pig in the high-walled pen are your prisoners. It is up to you to provide what their bodies need, or let them go out to nature and find it for themselves.—L. Stevenson, Dept. of Extension, O. A. College, Guelph.

To Keep Pests From Small Fruits. No good excuse can be given by anyone as a reason for losing a crop of currants or gooseberries because of mildew or worms.

Paris Green. This is a powerful insecticide and is applied when the leaves first appear and at intervals of two weeks thereafter until the fruit is half grown. It will control mildew, add two pounds of dry lead arsenate to 100 gallons of spray and you can control the currant worms at the same time.

Burning by Paris Green Spray. Each year considerable injury results to tender plants through leaf fall following the application of Paris Green.

This injury can be avoided by using a double quantity of freshly-slaked or hydrated lime in a mixture with the Paris Green and then adding sufficient water to make a paste. Allow this to stand for an hour and then dilute to the strength desired for spraying. The lime combines with the free arsenous oxide and removes its leaf scorching property.

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Along the Banff-Windermere Highway



(1) Entrance to Kootenay Park from Canadian Pacific Camp at Sinclair Canyon. (2) The Banff-Windermere Road near Sinclair Canyon. (3) Banffview Camp at Vermilion Crossing. (4) Mountain goats attempting to cross the Banff-Windermere Road, to reach them down to the border of the snow.

This is the Banff-Windermere Highway. It really needs no introduction for it is numbered among the most famous and most perfect motor highways in the world.

Here is what the "Motor News" says about it: "This wonderful highway, wide and smooth and hard and level as any of the old Romans or the modern Americans ever built, is in the Canadian Rockies. For 114 miles it twines its tortuous way through unbelievably magnificent mountain scenery, from Banff, the world-famous resort in Alberta, to Lake Windermere, in British Columbia, clinging to the brink of sheer precipices, cleaving through sheer canyons, skirting giant mountains, spanning giant rivers, overlooking giant valleys and affording the most soul-shaking views of rivers and valleys and mountains stretching away and away, ever so deep, ever so high, for ever and ever, amen."



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COWS FOR THE SETTLER

THE ONTARIO GOVERNMENT IS HELPING NORTHERN FARMERS

The Northland Produces Much Hay — It is Best Sold on the Hoof or in Milk — Settlers May Purchase Cattle Cheaply — Wireworm Poison.

Few people in Old Ontario who have not travelled through the northern part of the province realize that there is a territory lying north of New Liskeard and west of Cochrane that will in the near future become one of the most important producing agricultural areas of the province.

The country adjacent to the railways is now cleared or being cleared to such an extent that the settlers are no longer dependent upon their timber or pulp wood for revenue, but are now engaged in farming proper.

Many farms, especially in the New Liskeard section, are entirely cleared of bush and the white acreage is either under cultivation or in hay and pasture.

Northland Produces Much Hay. With the wonderful producing power of this new land there is an exceptionally rapid growth of vegetation and hay is now being produced in such quantities that it is with difficulty that a market can be found for the entire production.

Settlers have not been producing hay alone, but have been raising a fine stock raising as rapidly as circumstances and conditions would permit. This is evidenced by the fact that there are creameries at the following points: New Liskeard, Ramore, Earleton, Matheson, Val Gagne and Cochrane.

Really Money Scarce With Settlers. As was the case with settlers in Old Ontario so it is in most cases with settlers in Northern Ontario—they have very little ready cash as their earnings have been used in clearing the land consequently the Ontario Government is assisting the settlers financially in the building of creameries and in the purchase of cows.

Such assistance is being given on business principles only, that is, the money for the building of creameries and the purchase of cows is being loaned to the settlers at a low rate of interest and under certain conditions.

Briefly speaking, the new policy of the Department of Lands and Forests, through the Northern Development Branch, in co-operation with the Department of Agriculture through the Live Stock Branch, is as follows:— Cattle are to be purchased in car-load lots only to appoint a representative to select the animals, and are to authorize him to act on their behalf in such selection and in deciding as to prices.

Settlers are required to sign an application form to this effect agreeing to give promissory notes and to authorize their farms for unpaid balances.

Government will advance full amount of money to pay for cattle at time of purchase and to prepay transportation charges and to pay expenses of settlers' representative.

Settlers will be charged \$12 per cow to defray the transportation charges and the cost of their own representative. This flat rate will mean a saving of several dollars per cow to the settlers, and will give them the advantage of knowing exactly what these costs will amount to.

The total cost to the settler will be the amount paid for the stock purchased for him plus \$12 per head for those other charges.

Upon delivery the settlers will be required to pay at least 25 per cent of this total cost and as much more as he is able.

Interest at 5 per cent will be charged on unpaid balances and repayments are required at the rate of \$3 per cow per month, and the settler shall give a promissory note to this effect and a lien against his farm.

Repayments may be made to the creamery or to such other local office as may be designated in the community.—L. E. O'Neill, Live Stock Branch, Ontario Department of Agriculture.

Cut-Worm Poison. Bran, 25 lbs. Paris Green or White Arsenic, 1 lb. Molasses, 1/2 gal. Water, 2 gals.

Mix the bran and poison together dry in a large vessel. Add the molasses to water, stir well and then pour the liquid over the poison bran and mix until every part is moist and will fall through the fingers. Apply half a teaspoonful near each plant at dusk and see that chickens keep away.—Dept. of Extension, O. A. College, Guelph.

Sweet Clover Hay. A recent press bulletin from the Federal Department of Agriculture states that where any other suitable crop can be grown it is best not to use sweet clover for hay. As it is a hollow stemmed, coarse growing plant, it is rather hard to cure sweet clover properly. It must be cut at the right moment, which is usually during the rainy period of early summer. As a silage or pasture crop, however, sweet clover is one of our most valuable plants, while few legumes exceed it as a soil builder.

Take Notice People who have sheering, rafters and good frames fast going to rot for want of protection with galvanized corrugated sheets. At present prices, considering the improvement, or undies for this line; no use to sell and buy, the other place is worse. Take stock and have a talk with Gilbert Sinclair, 1043, R.R. No. 1, Georgetown. Steel Truss Barns, Garages, all kinds of galvanneal tanks. Lightning protection. We erect what we sell to the entire satisfaction of the purchaser.

Specials for This Week Sugared Dates 2 lbs. 25c Choice Dates 2 lbs. 25c Tomatoes 2 cans 30c Corn 2 cans 30c Wild Strawberry Jelly 1 lb. jar 35c Sandwich Spread 30c Mayonnaise Dressing 25c & 80c White pickled onions 30c Green's Sponzo mixture 20c Snider's Tomato Soup 2 cans 20c Spaghetti in Tomato sauce 10c Pork and Beans 2 for 25c Corn Flakes 2 for 25c Nije Valley, Orco Lenny, Cream Olive, Palm Olive, Caribolic large twin bar 8 for 25c Rubber rings 2 per doz. 25c Zinc rings per doz. 25c

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