



PATENTED JUNE 5-1894

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### CLARE & BROCKEST, Winnipeg



Ceiling Plate.

(Concluded from page 1408)

**ENTIRE ESTRAYS.**

**RIVIERE QUI BARRE**—Bull, red and white, legs white up to knees, supposed to be three years old, no visible brand. W. E. Miller (S. E. 1-4 18—55—26 w 4).

**STRATECONA**—Shorthorn bull, red with white spots on face, very curly hair, about two year old. Shorthorn bull, black, about two years old. A. E. East.

**LOST.**

**EARLING**—Strayed from Hastings Lake on the Edmonton trail, two grey horses six or seven years old, both had halters on when last seen, one had a long rope attached to halter, one branded S quarter circle on shoulder, other branded three C's on shoulder. Reward for information leading to recovery. H. Sandvik (owner).

**VERMILION**—On May 21 last, mare, dark brown, slightly dappled, black legs, star on forehead, docked tail. Gelding, small white star on forehead, nearly black, black legs, both had halters on, weight of each about 1,200 pounds. \$40.00 reward. G. Hunt (owner).

**WHITE BRUSH**—Bay mare pony, small white spot under fetlock, right hind foot white, tether, rope burn on hind leg, indistinct brand on left shoulder. Robt. Crichton (owner).

#### QUESTIONS AND ANSWERS.

##### PEAR TREE PEST—SORREL.

Our pear trees have some sort of disease but I do not know what it is. Is it blight or what is it, and what can we do to make them healthy again? I enclose some specimens of leaves; some branches have the leaves all like the enclosed. To-day looking over the trees I found the leaf enclosed, which has the eggs in it. A large insect like a spider, but pale green was at work closing the pocket up. Is this a trouble to the trees? Does it harm

them? All the trees are sprayed every season with Bordeaux mixture.

2. What is the cause of sorrel (or sour grass as it is here called) taking the upper hand? It is over-running this whole valley, both on cultivated land and on the wild land. Some say it grows only on sour land, if so this whole valley must be sour, and will lime be the right means of sweetening it? Should the lime be used slacked or unslacked?

B. C.

MRS. B. F. J.

Ans.—1. The blight on the leaves enclosed is caused by the pear leaf blister mite (*Euophyes pyri*). This is a very destructive and widely distributed pest. It is often so abundant that the trees are completely defoliated before the fruit is ripe. The mites pass

the winter in the buds and beginto feed before the buds are open. They form red blister like spots nearly one-fourth inch across. These spots become green by June, and then turn brown, and the tissue becomes hard and corky. There is an opening on the underside from which the mites emerge before the leaves fall. Professor Slingerland has found that they can be practically exterminated by spraying the trees in winter with kerosene emulsion diluted with from five to seven parts of water. This mixture destroys the hibernating mites in the buds.

TENNYSON D. JARVIS.  
Biologist, Guelph, Ont.

We know and can find out very little of sorrel, but have known it to grow on land that was anything but sour. It is usually found on somewhat unfertile soils though whether lime would supply the necessary element is difficult to say without experimenting. We rather incline to the opinion that ordinary manure would stimulate the other grasses and crops to such an extent they would be able to withstand the encroachment of sorrel. If lime is added to the soil put it on unslacked in small heaps, cover with earth, then when slacked spread around with a shovel.

##### HOMESTEAD DUTIES.

Please tell me what the law requires of a young man to do on his homestead to secure his patent. I am living at home adjoining my homestead. Also if patent is not secured within five years after filing on it will I be in any danger of losing my homestead?

Alta.

H. N. K.

Ans.—Surely every homesteader receives notice of his duties after filing on a claim. In this case where the homesteader is living with his parents he would not need to put up a dwelling. He could either break 30 acres or fence his claim and keep twenty or more cattle upon it. If the duties have been performed there should be no danger of losing the patent, but it should be secured as soon as the duties are done and the time has expired.

##### GOOD CROPS—SHIPPING POULTRY.

This is our first year of wheat in this neighborhood and the crop is magnificent. Men of long experience say they never saw better. Other crops are relatively as good. Cattle are well represented and in fine shape, but poultry and eggs are unobtainable. Is it practicable to have poultry sent from a distance and does the Railway Co. arrange to feed and water them en route?

Mannville, Alta.

W. A. M.

Ans.—Glad to hear of the optimism and progress of these new districts. Mannville is a name we had to look up in the Post Office Guide before we could locate it. In a few years it will be as familiar a name as our birthplace. Yes, poultry is shipped by express and the seller usually puts grain in the crate and the express messengers give birds some water.

##### GOSSIP.

##### VERY LOW RATES TO THE WEST.

The Chicago Great Western Railway will sell tickets to points in Arizona, California, Colorado, Idaho, Nevada, Oregon, Utah and Wyoming at about one-half the usual fare. Tickets on sale daily August 27th to October 31st inclusive. Get full information from any Great Western Agent or J. P. Elmer, G. P. A. St. Paul, Minn.

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