

THE EDITORS LETTER

Having finished our lunch the president led the "bunch" over to the Judging Pavilion where cigars were freely handed around and while we "watched their smoke" horses and cattle were led into the ring and one of the professors gave a short talk on the draft breeds and beef cattle and the method of judging the same. The Pavilion as we have said before is a large eight-sided building with a fifty foot ring and a seating capacity for 300 people. Clydes were the heavy draft horses placed before the visitors that day and three classes of Beef Cattle, viz; Galloways, Angus and Shorthorns.

Leaving the Judging Pavilion we passed into the department of Grains and Grasses where an able lecturer entertained us for half an hour. It seemed as though every grain and every specie of grass from all parts of the known globe are collected there. It was of special interest to note the different experiments in grafting grain seeds and the results that had attended these efforts. As regards the experiments in Winter Wheat (of which we were more particularly interested) the professor said that in sowing the same, they had discovered that about 90 pounds of seed to the acre on the average soil produced the best results. This amount might be increased for poor land and decreased for rich soil. Of course we confessed that we were numbered among those who were on the decrease for seed and the increase for soil.

The lecturer further remarked that if the land is in a good state of cultivation, it matters but little whether the seed is sown broadcast or with a tube drill, but if the land is dry or lumpy that which is sown with a drill is likely to give the best results. In an experiment conducted for several years in succession, winter wheat grown on land on which a crop of field peas was used as a green manure produced an annual average of 64 bushels more wheat per acre than that grown on land where a crop of buck-wheat had been plowed under and also that which had been grown on clover sod yielded much better than which had been grown on timothy sod. Of course our readers will keep in mind that these experiments are in keeping with the Ontario farmer and not applicable in any general way to the Albertan with his many hundred acres and rich productive soil. The highest yields of winter wheat have been obtained from that sown between the 26 of August and the 9th of September. Passing by the different varieties of Barley, Oats, Flax, Peas, etc. we took special pains to make enquiry into another experiment of local interest, i. e. The Sugar Beets.

Sugar Beets are grown in Ontario both as a food for live stock and for selling the factories for the production of sugar. With the first object in view the varieties mostly grown have roots of good size which grow considerably out of the ground and contain about ten per cent of sugar. When the object is sugar production, however, these varieties are grown whose roots grow almost entirely under the ground and which contain on an average about 15 per cent. of sugar. The roots of the varieties of sugar beets for sugar production are also considerably smaller than those grown for feeding the farm stock. In 1907 they had 26 varieties of sugar beets grown at the College and for 5 years prior to that time they had 20. All varieties were grown in rows 21 inches apart and the roots were thinned to a distance of 7 inches apart in the rows. The two varieties grown almost exclusively for sugar production are, the Kleinwanzlebener and the Improved Imperial. They averaged 17 and 16.5 per cent. of sugar respectively. In Germany where the Sugar Beet is used very extensively for factory purposes the rows are made rather closely together, being only 18 to 20 inches apart. By having the rows fairly

close together and the plants quite near to each other in the rows it is claimed that the largest per cent. of sugar is obtained from the beets. The results at Guelph show that when the Sugar Beets are grown in rows 18 inches apart there is an average yield of about 2 tons per acre more than when the rows are at a distance of 28 inches apart. The analysis in the chemical department of the College for five years in succession show that on the average the roots which were 18 inches apart contained 16.9 per cent. sugar and those which were 28 inches apart 16.8 per cent. sugar. These results seem to indicate that in the quality of the roots the distance does not matter very materially providing the roots are cultivated carefully and are not thinned to more than 7 inches apart in the row. The farmer who grows his roots in rows 18 inches apart would however obtain greater money value than the man who grows his sugarbeets in rows 28 inches apart, owing to the greater yield of roots per acre.

SOME FINE CATTLE SHIPPED OUT

Mr. Belkoeki shipped out a half dozen cars of fine steers on Wednesday, billed for the Winnipeg Market. They were the stock of S. A. Harris, Ed Ivins and R. S. Smith, Messrs Ivins and Smith accompanied the shipment. It is said that some of those steers were the best that had been shipped out for many a day.

John Easthope Passed Away

Word was received Wednesday noon that John Easthope of Mountain View had passed away. He was well known in the country and was one of the pioneers of the western settlements. His demise will remove an old land mark from the thriving burg of Mountain View. He was a very prominent man in church affairs and was always on hand to perform his duty. For a number of years he was the meeting house janitor as well as looking after the Public School.

Quarterly Conference.

The regular quarterly conference of the Alberta Stake of Zion will be held in the Cardston Assembly Hall on Saturday and Sunday, May 23rd and 24th, meetings at 10 and 2 o'clock. A full representation is earnestly desired.

E. J. Wood
Thomas Duce
Sterling Williams,
Stake Presidency.

Lost—Eight head of horses of following description. One black mare and colt, colt not branded, mare has W on neck under man, and warts on her left side. 1 sorrel mare, branded ox yoke Y on her left hip with colt not branded. 1 gray horse 3 year old; 1 gray filly, 1 sorrel 3 year old horse also two bay two year olds. The last five mentioned are branded lazy VS on left shoulder. As a reward for the recovery of the same, one of the horses will be given. The range of horses is near Beazer E. J. Wood, Cardston.

MAGRATH NURSERY STOCK

Magrath trees now ready

8 poplars 8 to 10ft, 100 Strawberry plants, 1 doz Currants. All for \$10.—Cash with order. Strawberries \$2.50 per 100. Currants and Gooseberries \$2.50 per dozen. Poplars and Dakota Cottonwoods 8 to 10 feet, \$10. per doz. Southerwood Cuttings for Hedge 50c. per 1000. (roots \$5 per 100)

Will sure grow in Cardston.
A. O. RICH, Magrath.

SYNOPSIS OF CANADIAN NORTH WEST MINING REGULATIONS.

Coal.—Coal lands may be purchased at \$10 per acre for soft coal and \$20 for anthracite. Not more than 320 acres can be acquired by one individual or company. Royalty at the rate of ten cents per ton of 2000 pounds shall be collected on the gross output.

Quartz.—A free miner's certificate is granted upon payment in advance of \$5 per annum for an individual, and from \$50 to \$100 per annum for a company, according to capital.

A free miner having discovered mineral in place may locate a claim 500 x 500 feet.

The fee for recording a claim is \$5. At least \$100 must be expended on a claim each year or paid to the mining recorder in lieu thereof. When \$500 has been expended or paid, the locator may upon having a survey made, and upon complying with other requirements purchase the land at \$1 per acre.

The patent provides for the payment of a royalty of 2 1-2 per cent on the sales. PLACER mining claims generally are 100 feet square; entry fee \$5, renewable yearly.

A free miner may obtain two leases to dredge for gold of five miles each for a term of twenty years, renewable at the discretion of the Minister of the Interior.

The lessee shall have a dredge in operation within one season from the date of the lease for each five miles. Rental \$10 per annum for each mile of river leased. Royalty at the rate of 2 1-2 per cent collected on the output after it exceeds \$10,000.

W. W. CORY,
Deputy Minister of the Interior.

N. B.—Unauthorized publication of this advertisement will not be paid for.

SYNOPSIS OF CANADIAN NORTH-WEST HOMESTEAD REGULATIONS

Any unnumbered section of Dominion Lands in Manitoba or the North-west Provinces, excepting 8 and 26, not reserved, may be homesteaded by any person who is the sole head of a family, or any male over 18 years of age, to the extent of one-quarter section of 160 acres, more or less.

Application for homestead entry or inspection must be made in person by the applicant at the office of the Local Agent or Sub-Agent.

The homesteader is required to perform the conditions connected therewith under one of the following:—

1. At least six months' residence upon and cultivation of the land in each year for three years.

2. If the father (or mother, if the father is deceased) of the homesteader resides upon a farm in the vicinity of the land entered for the requirements as to residence may be satisfied by each person residing with the father or mother.

3. If the settler has his permanent residence upon farming land owned by him in the vicinity of his homestead, the requirements as to residence may be satisfied by residence upon the said land.

Six months' notice in writing should be given to the Commissioner of Dominion Lands at Ottawa of intention to apply for patent.

W. W. CORY,
Deputy Minister of the Interior.

N. B.—Unauthorized publication of this advertisement will not be paid for.

Wm. Laurie,

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SYNOPSIS OF Coal Mining Regulations

Coal mining rights of the Dominion, in Manitoba, Saskatchewan, Alberta, the Yukon Territory, the North-West Territory and British Columbia, may be leased for a term of twenty-one years at an annual rental of \$1 an acre, not more than 2,560 acres will be leased to one applicant.

Application for a lease must be made to the Agent or Sub-Agent of the district in which the rights applied for are situated.

In surveyed territory the land must be described by sections, or legal sub-divisions of sections, and in unsurveyed territory the tract applied for shall be staked out.

Each application must be accompanied by a fee of \$5, which will be refunded if the rights applied for are not available but not otherwise. A royalty shall be paid on the merchantable output of the mine at the rate of five cents per ton.

Every lessee of coal mining rights which are not being operated shall furnish the district agent of Dominion Lands with a sworn statement to that effect at least once in each year.

The lease will include the coal mining rights only, but the lessee may be permitted to purchase whatever available surface rights may be considered necessary for the working of the mine at the rate of \$10 an acre.

For full information application should be made to the Secretary of the Department of Interior, Ottawa, or to any Agent or Sub-Agent of Dominion Lands.

W. W. CORY,
Deputy Minister of the Interior.

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