

valor or any other mechanical appliance they may desire."

The meeting also recommended the appointment of an agent of the Association at Winnipeg to look after the grading of cars; the appointment of a committee to deal with any conditions that may arise on account of dissimilarity of samples of Manitoba and Territorial grains selected as standards; that the secretary be empowered to collect samples for the Standard Board; that Winnipeg be made a sample market and "order point" for the railway companies; and that the Grain Standard Board should be convened forthwith to deal with the question of Territorial wheat.

The officers for 1905 are: President, W. R. Motherwell, Abernethy; Vice-President, R. S. Lake, M.P. Grenfell; Directors, M. Snow, Wolsley; R. J. Phin, Moosomin; W. Lennox, Yellow Grass; E. N. Hopkins, N. R. Read, Fairview; and G. Lang.

#### Growing Winter Wheat in the West

Mr. C. W. Peterson, Calgary, has taken a deep interest in the growing of winter wheat in the farther west. This cereal has been successfully grown in the country south of Calgary for the past 15 or 20 years. Mr. Peterson is persuaded that the growing of this wheat will cause the most important development of the West that the country has ever seen.

#### Early Ripening Wheat for the West

Mr. Angus McKay, Superintendent of the Branch Experimental Farm, at Indian Head, in an interview recently gave some information as to the work being carried on in developing earlier maturing wheats for the west, of which the following is a summary:

During the past few years extensive experiments have been carried on to discover, if possible, a wheat which in milling qualities would equal the famous Red Fife, but which would mature more quickly and be more apt to avoid the early frosts which usually affect more or less of the wheat crop of the Northwest. Many tests and experiments have been made in this direction and it is believed that such a wheat has been found. There are three varieties commended by Mr. McKay, namely the Preston, Stanley and Huron. Last year these varieties were sown later than the Red Fife and were all cut and in stock while the Red Fife was still ripening in the fields. The grain graded number one hard and is pronounced by eminent milling authorities fully equal to Red Fife for milling purposes. The Preston and Stanley varieties are cross bred wheats, the parents being Red Fife and Ladoga. These wheats were originated by Dr. Wm. Saunders, director of experimental farms. Huron is also a cross bred, originated by Dr. A. P. Saunders, the parents being the White Fife and the Ladoga. It is evident that such a wheat maturing early must be of very great value to western farmers. Sixty-two varieties of wheat were tested last year, on small plots of one-twentieth of an acre each, and a most accurate account kept of each variety.

Mr. McKay is a strong advocate of the necessity of summer fallowing wheat land as a means of conserving moisture and eradicating weeds. Summer fallowing is, however, attended with very bad results when improperly done. The method followed in many parts of Alberta and Saskatchewan of allowing weeds to come to maturity and then plowing them under on the supposition that this method of treatment enriches the land, defeats all the objects for which summer fallowing is carried on. The full grown weeds have dropped out of the earth every drop of

moisture it contained and the seeds which are turned under could not be more destructive if they were put in with a press drill. The proper time and method for summer fallowing is to plow deep—seven or eight inches—before the end of June and to cultivate the surface during the balance of the year. During 14 years' experience the best grain has been grown at the experimental farm on land treated in this way.

#### Seed Grain for Distribution

Dr. Wm. Saunders, Director Experimental Farms, Ottawa, has announced the annual distribution of seed for the spring of 1905. The stock is of the very best, and has been secured mainly from the excellent crops recently had at the branch farm at Indian Head, N.W.T. The distribution will consist mainly of samples of oats, spring wheat, barley, Indian corn and potatoes. The quantity of oats to be sent this year will be 4 lbs. and of wheat or barley 5 lbs., sufficient in each case to sow one-twentieth of an acre. The samples of Indian corn and potatoes will weigh 3 lbs. as heretofore. A quantity of each of the following varieties has been secured for this distribution:

**Oats**—Banner, Wide-Awake, Improved Ligorio, Waverley, Goldfinger, Abundance and Thousand Dollar.

**Wheat**—Preston, Red Fife, Percy, Stanley, Huron, Laurel and White Fife.

**Barley**—six-rowed—Messury, Odessa, Mansholt, Claude and Royal. Two-rowed—Sidney, Invincible, Standwell and Canadian Thorpe.

**Potatoes**—Carman No. 1, Early White Prize, Canadian Beauty, Uncle Sam American Wonder, Bovee, Early Andes and Late Puritan.

Every farmer may apply, but only one sample can be sent to each applicant, hence if an individual receives a sample of oats he cannot also receive one of wheat, barley, or potatoes, and applications for more than one sample for one household cannot be entertained. These samples will be sent free of charge through the mail.

Applications should be addressed to the Director at Ottawa and may be sent any time before March 1st, after which the lists will be closed. Parties applying should name more than one variety, so that if the stock of one kind is exhausted, another will be sent.

#### Honors Divided

The international intercollegiate student judging contest is always an interesting feature of the Chicago show. Mr. Robert Miller, Stouffville, Ont., had charge of this contest at the recent International. The task was no light one, and was performed with satisfaction to all concerned. Canadians had more interest than usual in the contest recently decided, as a picked team, trained by Prof. M. Cummings, entered from the Ontario Agricultural College, and though they did not succeed in bringing to Canada the coveted trophy, they came near enough to it to make the other fellows look for their laurels.

Honors were divided this year. Iowa which for the past three shows has carried home the coveted trophy for cattle, sheep and swine judging, had to content this year with the horse trophy. The trophy for the best team of five men doing the best work with cattle, sheep and swine went to the Ohio Agricultural College, who were trained by Prof. C. S. Plumb. Texas came second, Iowa third, Ontario fourth, Michigan fifth and Kansas sixth. For the horse trophy Iowa was first, with five men trained by Prof. W. J. Rutherford, who had his early training in livestock judging at the Ontario Agricultural College. Ontario was second, Michigan

third, Texas and Ohio equal and Kansas sixth.

In the single class, where each man was for himself, against every other man at the show, Ohio again won, the first prize of \$100 going to W. A. Martin, of the State University. The second prize of \$75 came to W. C. McKillop, of the Ontario Agricultural College, who made a total of 518 points out of a possible 1,000, or only two points below the first prize winner. W. J. Lennox, also of the O.A.C., secured the sixth prize of \$40.

#### Prince Edward Island

December 16.

We have had some pretty severe weather during the early part of December. As the snow came in small instalments the sleighing has not been very good as yet in Charlottetown and vicinity. On December 16th some of the farmers came to the city in wagons. The ice is making on the rivers, and it is expected that navigation will soon close. There was a fair attendance at the market on December 16th. Potatoes were in good supply, with the exception of turkeys.

#### CHARLOTTETOWN MARKETS

Beef, qr., per lb., 4 to 5½c; small 5 to 10c; per lb.; work 5¼ to 5½c; geese and ducks 10 to 12c; per lb.; chickens 8c; per lb.; fowl 7c; turkeys, each, \$1.50 to \$2.50; per lb. 14 to 15c; butter, fresh, 23 to 25c; eggs, per doz., 25 to 28c; apples, per doz., 5 to 8c; tub butter, per lb., 18 to 20c; flour, per cwt., \$2.75; beefs, per bu., 40c; cranberries, per qt., 8c; hay, per cwt., 73 to 75c; black oats per bu., 40 to 42c, white, 30c; pressed hay, per ton, \$14; straw, per ton, \$10; per bushel, 10c; potatoes, per bu., 20 to 25c; wild geese, each, \$1.00; turkeys 12 to 15c; smelts 10c; per doz.

#### GEORGETOWN MARKETS

Potatoes, per bu., 25c; turkeys, per bu., 15c; eggs, per doz., 17c; butter, per lb., 21 to 24c; per cwt., per gal., \$4.50 to \$5.00; hake, per quintal, \$2.50 to \$3; haddock, per qt., \$2.75 to \$3; oats, per bu., 35 to 36c; oatmeal, per cwt., \$2.75 to \$3; chickens, per pair, 35 to 40c; geese, per lb., 8 to 9c; turkey 14 to 15c; hay, per ton, \$12, loose.

The Cheese Board met nine times during the summer. At the meetings held 15,212 cheeses were boarded, all colored except a few boxes. Over one-third sold on the board. Last year 23,171 cheeses were boarded and 15,175 sold. The percentage of sales last year was the best since the board was organized, as was also the price. The highest price realized this year was 9 cents, lowest 7-1-16 cents, average 8-1-16 cents.

Davis & Fraser sold for selected hogs 5¼ to 5½c on December 16th. Some small, thin and inferior hogs were bought by shippers at a lower price.

We are informed that Mr. S. H. Jones, the well-known stock buyer, has gone home, having made his last shipment of lambs on Nov. 26th. While here Mr. Jones left about \$25,000 in cash among our farmers, for which he received such sheep, fams, geese and poultry as they had to sell. Geese are reported scarce in comparison with last year. To fill his orders he was obliged to purchase 5,000 geese in Quebec and 3,000 in Michigan.

Mr. Jones thinks that our farmers could very profitably increase their flocks of geese.

An immense quantity of beef has been canned this season.

The cargo of the Princess on Dec. 2nd included 14 horses, shipped by Mr. John Horne, for Bermuda.

A. R.