

### Ottawa Notes.

A sale of pure-bred live stock will be held at North Bay next spring. The sale last year was so successful that the Live-stock Branch of the Department of Agriculture has decided to hold another one in the coming spring. Upon his return from the West, Live-stock Commissioner F. W. Hodson and Deputy Commissioner Spencer will meet delegates from the Nipissing Agricultural Society, and make arrangements for the sale next spring.

The McDonald-Robertson school-garden movement is making excellent progress in Carleton County. The children are deeply interested in the experimental work being carried on, and their parents are giving their hearty co-operation. At Bowesville, about seven miles from the City of Ottawa, one of the best gardens of this kind in the County is situated. A new school-house of most modern design has been erected there during the past summer, and was formally opened a few days ago. Addresses were given by R. H. Cowley, Public School Inspector for Carleton County; Dr. Fletcher, of the Experimental Farm, and others. The school gardens in the County are under the supervision of Mr. Cowley.

Mr. Marchese Doria, who is in Canada representing the Italian Government, with a view to increasing trade between the two countries, had an interview with the Premier, the Minister of Justice and the Minister of Trade and Commerce a few days ago, after which he left for the West. It is the intention of Mr. Doria to remain in Canada for a year. He says that there is a market for hard wheat in Italy, also for Nova Scotia coal. There is plenty of soft wheat grown in Italy, but hard wheat is not grown there. He also expects to increase the trade now done with Canada in dried fish. He is looking over the field to see what Italy could send us in return.

Mr. F. W. Hodson, Dominion Live-stock Commissioner, has left for the West, where he will spend a couple of weeks studying the live-stock conditions as they exist in that part of Canada. He will travel as far west as Calgary.

### Ottawa Correspondence.

The steer-fattening experiments at the Central Experimental Farm this year will be along somewhat different lines from those carried on in previous years. For the experiments this season three lots of steers have been purchased, the animals all being about two years of age. There are eight steers in each lot; one lot consists of animals of very poor quality, lot No. 2 of animals of medium quality, and lot No. 3 of animals of first-class quality. These steers were purchased in the vicinity of Ottawa. The three lots have been stabled, and all been placed on the same feed. All three lots will be given the same kind and the same amount of feed until they are ready for market, which it is expected will be about the end of February. A careful record will be kept of the cost of feeding the different lots, with a view of obtaining data as to whether it pays to buy poor or good steers for feeding. This is a line of experimental work that has as yet been given very little attention at the Experimental Farm, and the results are looked forward to with considerable interest. Prof. J. H. Grisdale has charge of the experiment.

Preparations are also being made to conduct another interesting experiment with dairy cattle, in order to ascertain the proper temperature at which a cow stable should be kept during the winter months. With this end in view, a stable with accommodation for ten cows has been fitted up. It will be perfectly free from drafts, comfortable, well lighted, and exceedingly well ventilated—so well ventilated, in fact, that the temperature can be kept from thirty to forty degrees Fahr. The main stable at the Farm is kept at a temperature of from fifty to sixty degrees during the winter months, so that the stable used in the experiment will be about twenty degrees colder than the ordinary stable. The object of the experiment is to determine what effect the temperature of the stable has upon the health of the animals housed therein, upon the amount of milk produced, the amount of food consumed, and the cost of the milk produced. This experiment is also along somewhat different lines from those conducted in the past, and opens up a wide field for investigation. Prof. Grisdale is also in charge of this experiment. It will be continued during the winter months.

### Was Never Equalled.

G. G. Publow, Instructor in Dairying for Eastern Ontario, at a conference of inspectors stated that the quality and quantity of cheese made in Ontario this year was never equalled in any previous year. The expenditure on modern curing and cooling rooms in many factories has largely tended to this result.

### Egg Products \$11,000,000.

Mr. F. C. Elford, of the Poultry Division, estimates the value of the egg products of Canada at the present time at about \$11,000,000 per year; and with proper methods of breeding and selection, and the use of trap tests, this may reasonably go to nearly \$23,000,000 by 1911.

### Now for the Winter Fair.

The programme for the Winter Fair meetings at Guelph, on December 11th to 15th, published in this issue, furnishes a tempting bill of fare for farmers old and young, and when added to that there is the usual grand showing of fat cattle, sheep and hogs, the dairy cow trials, the magnificent poultry show, the best in the world, and the display of dressed carcasses of prizewinning animals of the various breeds, combining to make the most interesting and instructive exhibition to farmers provided in any of our stock shows. An important auction sale of high-class Shorthorn cattle is also advertised to be held in the city during the fair, and the Ontario Experimental Union holds its annual meeting at the Agricultural College the same week. Any one of these features will well repay visitors for the time and expense involved, but when all are available for the one cost, and reduced railway rates are provided, the treat is so great that it would appear few can afford to miss it.



When the Berries are Ripe.

### Central Prison Twine.

The Ontario Government has entered into a new contract respecting the Central Prison binder-twine business. The statement issued concludes as follows:

"The contract with W. B. Converse will cause in round numbers a revenue of \$4,500 per year to the Government in excess of the revenue which would have arisen from the last contract with the Independent Cordage Company.

"The convict labor system under which Mr. Converse is operating the twine and rope mill is not a new feature introduced by the present Government, the mill having been operated under the convict labor system under the old Government since 1895.

"Under the old contract, the farmers were entitled to receive binder twine at a cent and a half in advance of the cost per pound on a basis therein set out. Under the new contract, the farmers are entitled to twine at one cent per pound in advance of cost on a like basis, and the company bound to advertise in six different papers for a given period, and to fill on that basis every order received.

"The use of convict labor in the binder twine business does not, upon the information at the Parliament buildings, come into conflict with any organized labor in this Province."



In Riding Mountain Pastures. Herd of Logan Bros., Murchison, near Franklin, Man.

### The C. N. R. a Prosperous System.

While from outsiders comparatively little attention is given to the Canadian Northern Railroad, the progress of that road is none the less worth noting, and promises yet to be one of the big transcontinental systems of Canada. There can be no question of the accuracy of the above statement by anyone cognizant of the resources of the country it taps. Its net earnings for the year ending June 30th, 1905, were \$1,545,482.32, and its net surplus, \$416,702.94, for the same period. Its traffic receipts will jump as soon as its line reaches the great northern Canadian metropolis, Edmonton, which, it is expected, will be by the end of this month. The cost of the railway and its equipment to date is \$53,533,000; the road's equipment at June 30th, 1905, was:

|                                               |       |
|-----------------------------------------------|-------|
| Locomotives .....                             | 106   |
| Sleeping cars and dining cars .....           | 7     |
| Passenger coaches .....                       | 47    |
| Baggage, mail and express cars .....          | 15    |
| Business cars .....                           | 5     |
| Freight, refrigerator and stock cars.....     | 4,154 |
| Conductors' vans .....                        | 58    |
| Boarding, tool, auxiliary cars, steam shovels | 70    |

### Points of the Buff Orpington.

A Buff Orpington cock should have a small head, carried erect; beak strong and nicely curved; eye, full; comb, single, of medium size, evenly serrated; ear lobes, medium size and rather long; wattles, medium length and well rounded; neck, nicely curved, with full hackle; breast, broad, deep and full, carried well forward, long, straight breastbone; back, short, with broad shoulders; saddle rising slightly, with full hackle, wings well formed and carried close to body. Skin, thin and fine in texture; flesh, firm; tail, medium, flowing, and inclined backwards; thighs, short; shanks, short and strong. General shape, cobby and compact, erect and graceful; size and weight large, between 9 lbs. and 10 lbs. when fully matured. Plumage close. Color of back, white or horn; eye, red or brown, former preferred; comb, face, ear lobes, and wattles, red; shanks, white; skin and flesh, white; plumage, any shade of buff from lemon buff to rich red, the color to be perfectly uniform throughout, allowing for greater lustre on hackle and saddle feathers and wing bow.

### Prizes the Bible.

I received the Bible premium in good order, and I am very much pleased with it. I think that it is worth double the effort made in obtaining the few new subscribers. Wishing the "Farmer's Advocate" every success. JAMES McQUEEN. Wellington Co., Ont.

### The Horticultural Show Deficit.

It is expected that the Toronto City Council will make an additional grant of \$250 towards the expected deficit of \$800 incurred by the recent Ontario Horticultural Exhibition and Honey Show. The balance of some \$550 will probably be raised by the several associations interested, proportionate to the amounts of their respective prize-lists.

### Fair Dates for 1905.

|                                             |            |
|---------------------------------------------|------------|
| Maritime Winter Fair, Amherst .....         | Dec. 4-7   |
| Ontario Provincial Winter Fair, Guelph..... | Dec. 11-15 |
| International, Chicago .....                | Dec. 16-23 |