different varieties of corn to grow, when to cut it, and how to store

AN HOUR'S INTERMISSION

was here taken for dinner, and then the audience came back and again took afternoon was taken up with addresses from C. E. Dalairo, Prof. Nagant, Rov. F. Côté and Mr. Ayer, M. Dalaire delivered a locture on agricultural matters generally. He encouraged them to continue to watch improve ments, and adopt such as proved to be good. Their politics would not interfere with agricultural pursuits, and what ever their politics might be they could rest assured that the prosperity of the country must rest upon the success of the farmers. The address was full of matter which people call good, sound "horse sense," and it was listened to with marked attention by the audience.

Prof. Nagant performed an interesting experiment. It was making butter by a new process of churning: namely, agitating the milk by forcing a current of air through it. Butter was secured after ten minutes. The milk was placed in a glass cylinder and then a current of ai. was forced through it from an air pump, it first having been purified by passing it through a purify ing reservoir. The current of air kept the milk in a state of agitation re sembling boiling. By this process butter was obtained. Prof. Nagant also explained the general properties of milk, its chemical composition, etc. As for the churn, he said a size was manufactured which would hold twenty gallons of milk, and it had been operated very satisfactorily. The Rev. F. Côté had used one of these churns and had found it to be good. However, he had one objection. So far, they had not been able to obtain more than three-fourths of the butter-fut the milk contained: but that might the fault of those operating the churn.

Mr. Ayer was called upon for a second address This time he talked about butter and the way to prepare it ' for market; that was the English market, for he spoke of butter intended for export. One of the weaknesses of Canadian butter was the manner in which it was packed and worked. He filment of a contract for 'Finest Canadid not favor working machines. No dian.' The seller is entitled to deliver doubt good butter could be made in them, but on the whole he favored simple hand working. Then pack the tubs full. Don't leave a space that would hold three or four pounds, and don't cover the top of the butter with pictures. Leave it as smooth as possible. Use clean tubs, as a soiled package hurts the sale of the butter 'New Zealand and Australian butter was packed in square packages in order to save space in shipping. Each side was encased in parchinent paper, and that kept the butter moist and prevented the pickle coming through the case and discoloring it. He advised the adoption of this practice here. He had minion. fault to find with the Canadian tubs. That The covers were not strong enough. The band was too narrow, and if it became broken in shipping there was nothing left to keep the cover in its place. There should be a double cover or an inside fastening. For the English market, also, they should pack their butter in the large size tubs. There was also a domand for a limited quantity of butter packed in headed kegs

Mr. Ayer was recalled and asked his drop down at once. If a small quantity a proposition. of these were made in the early winter,

and don't sell them as full cream choose. For the regular trade let them make only first-class, full cream choose, and then they would build up a paying trade on a sound basis.

The secretary read a letter from the up the cheese and butter question The Hon. Mr. Nantel, expressing regret at not being able to attend the conven-In his letter he referred to the in agricultural matters.

The election of officers resulted as

follows:

Honorary president, Hon. P. B. de la Bruere, St. Hyacinthe; honorary vice president, N. Bernatchez, M. L. A. Montmagny; president, Rev. Abbé P. Montminy, St. Georges de Beauce; vice-president, S. A. Fisher, Knowlton; secretary treasurer, Emile Castel Di rectors - Arthabaska, T C. Certier, Kingsoy, French village; Beauce, Philias Veilleux, St. François, Beauce; Beauchannis, Robert Ness, Howick; Bedford, J. A. Hayes, Shetlington; Charlevoix, E. A. Barnard, Quebec; Chicoutimi and Saguenay, E. Paradis, Bagotville; Iberville, M. Monet, Mount Johnson; Joliette, J. J. A. Marsan, Il'Assomption; Kamouraska, J.C. Chapais, St. Denis-en bas; Montmagny, N. Bernatchez, Montmagny; Montreal, Alexis Chicoine, St. Marc; Quebec, L. L Taché; St. François, D. O. Bourbeau, unexplained scientific technicalities, Victoriaville; St. Hyacinthe, L.T. Bro-deur, St. Hugues; Terrebonne, Frs. In following farming to make mo-Ste. There'se; Trois-Rivières, Abbé Gerin. St Justin.

Mr. Emile Castel, of St. Hyacinthe, has been appointed secretary to succeed Mr. J.deL. Taché, resigned.

During the convention Mr. Vaillancourt called attention to a circular issued in Bristol, Eng., referring to what they called

FRENCH CHEESE.

The Convention passed the following resolution.

Be it resolved: "That the Dairy Association learns with surprise that wages during the whole year. the following resolution has been proposed for adoption by the Bristol (England) Provision Trude Association:

"Cheese made in the French section of Canada may not be tendered in ful-No dian.' cheese made in any part of Canada, other than the French section.

That the principle of classification adopted in this proposal, certainly unjust, is founded on former prejudices, which have now no foundation.

That there is now made in the French part of the province of Quebec a large quantity of cheese which bears successfully comparison with the best cheese of the whole Dominion.

That in place of such classifications t would be more proper to judge on its merits this cheese, which is made from milk of greater richness than that of any other section of the Do

of the English Boards of Trade to the organisation of syndicates now in operation in the province of Quebec, which organisation secures the constant supervision of cheese-making by inspectors of experience to a degree that is not attained elsewhere.

culture with the request that he transopinion respecting the sale of skimmilk mit it by cable to Prof. Robertson, who fifteen pounds of phosphoric acid and cheese. A limited quantity could be is now in England, so that the latter ten pounds of potash. Pease and beans cheese. A limited quantity could be is now in England, so that the latter sold at a small reduction, but let the may take all necessary steps to remove quantity increase and the price would the false impression evidenced by such

proceedings of the Convention.

probably be that of the District of Bed land, than two tons of fat cattle; and ford, which will meet at Cowansville for two and a half tons of hay he will importance of instructing the young most likely during the last week of get, on an average, twenty five dollars, January.

ing Rosumé.

The report of the first annual convention of this association, held in Montreal, 17th March, last, is one of cuments ever published by the Government.

It is for free distribution to farmers readers to possess themselves of a fertility out of the soil than the butter copy, which they can do in either does.

English or French, by applying to the Department of Agriculture. But as ensilage with the largest profit at the many may fail to do so we present a few extracts of the greatest importance to all who wish to make farming pay. Professor Robertson's addresses were B. Barnard, Cap Santé; Richelieu, J. worth their weight in gold to the L. Lemaire, La Baie; Rimouski, J. de ordinary farmer, being devoid of all

> ney, the farmer must remember that. he has a three fold object in view; first to make money by providing food for the people; second, to make money by maintaining the fertility of his fields, so that he shall have some stock in-trade to go on with, in business, in future years; and third, to make money by giving occupation to men for twelve ensilage, hay and roots, and an equal months, and not for only six in the quantity of meal of the same quality year. These three objects are the as the other two rations contained. furnishing of food for the people, the maintaining of the fertility of the soil, and the giving of occupation at paying system of farming implies the keeping of large herds of cattle on all the farms in Canada. To provide food only in the form of cereals, means the ex-haustion of the soil, it means occupation, so far as pay is concerned, for six months of the year, with six months of living on the income of the previous six months.

The professor next exhibited a chart to show the exhaustion of the soil by various crops and argued thus:—In all farming-cultivation of the soil for the obtaining of food-the crops which grow on the fields take out of the soil three substances, which are becoming rather scarce in our Dominion. As soon as land is depleted of these substances, it becomes a harren waste; but when it contains these substances in available condition, it is capable of giving back large crops in return for the smallest outlay. These three subs-tances are Nitrogen, Phosphoric Acid That the Provincial Dairymen's and Potash (1),—to which Mr. E. A. ssociation would draw the attention Barnard who so admirably edited the pamphlet, appended the following very important foot note:—(1) Lime is also indispensable; it is not generally found in abundance in our soil, and therefore needs to be supplied on most farms in this province.

Prof. Robertson next explains which That this resolution be at once transmitted to the Hon. Minister of Agrilland fertile:—Every ton of wheat carries off forty-one pounds of nitrogen.

possibilities of the province of Quebec farm, the growth of them fixes nitrous as a dairy country. Before the Congen from the air. That is the advantant of the Roy. Abbé Montminy, thanked the crop instead of oats or buckwheat;— DAILY STAR for its full reports of the and thus on the advantages of keeping stock:-Every two and a half tons of The next Dairy Convention will hay, will carry more off a farmer's while for two tons of fat cattle he will get two hundred dollars. By the hay Report of the Ensilage and Economic Stock Feeding Association of Central Cauada—Interest
Report of the Ensilage and Economic method of farming, he gets twenty-five dollars from the same quantity of these elements of fertility, that he gets two clements of fertility, that he gets two hundred dollars from when he grows and sells cattle.

In selling swine, cheese, milk, or fine butter, he sells a less quantity of valuable constituents out of his land the most instructive and valuable do- than in selling hay. Hay is worth ten dollars a ton, good butter in winter time is worth five hundred dollars a ton, the ton of hay takes some eightyand dairymen, and we advise all our seven times more of the elements of

> ensilage with the largest profit at the smallest cost: and instead of growing hay he can grow corn, sell butter and get a far larger income.

> Results of experiment of the utmost importance as to ensilage feeding: Six steers were divided into three lots of nearly equal age and weight, and evidently of similar breeding. The main object of the test was to discover the value of corn ensilage as compared with common hay. One lot of steers were fed on a ration composed of hay, roots and meal; another lot of steers were fed on a ration of corn ensilage, with the same kind and quantity of meal; and the third lot of steers were fed on a ration consisting of corn

Ration Ration Registrate Average Ave			TABLE.			
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\{ No. 5 Hay, roots, corn ensitage and meal. 128 \\ 32.8 \\ \ No. 6 do do do do do	Second lot	\{\ \text{No. 3} \} \left\{\ \text{No. 4} \}	Corn ensitage and meal do	- **	009 {	96 11‡
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Hay, roots, corn ensilage and meal. do do	128 182	25 8 25 8	55.53

All the steers were allowed as much food as they could eat up clean; and the quantity was varied from time to time, as they would eat more or less.

It may be mentioned in explanation belong to the class of plants which of the small increase in weight of steer have the faculty of appropriating most No 5, that he did not thrive well, part of their nitrogen from the atmosphere, of the time. That could not be ac-During the evening session Mr. J.C. therefore while the sale of them carries counted for satis: . torily. He seemed don't make them of the regular size Chapais delivered an address on the a large proportion of nitrogen off the to be healthy, but, as everyone who has