To supply the demands of this programme, the manuals of elementary treatises on farming which we now possess, good enough in their way, would be insufficient, so I propose that go vernment be requested to have these elementary works revised, or to have new ones written that will supply our present demands. At the same time I trust government will be prayed to organise a system of agricultural instruction, not only for primary schools, but for the establishments of the supe- of the cattle.

Ibs. of straw chaff, 3 lbs. of wheat-feeding of milchcows. We hasten to be ansand linesed. This result does not certa ally show ments they conducted, last winter. This result does not certa ally show ments they conducted, last winter. This result does not certa ally show ments they conducted, last winter. This result does not certa ally show ments they conducted, last winter. This result does not certa ally show ments they conducted, last winter. This result does not certa ally show ments they conducted, last winter. This result does not certa ally show ments they conducted, last winter. This result does not certa ally show ments they conducted, last winter. The sealts of the experiments in favour of the use of the beans and linesed.

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The manager thinks that the alternation of experime but for the establishments of the supe- of the cattle rior education, in order that every one should be taught the things pertain-ing to agriculture, in so fur as his position may require him to under-after steeping for 72 hours to allow stand them.

appropriate notions of agriculture in time to allow the fodder to warm up a our convents. If these houses are left little by its fermentation. out of the scheme, from any will suffer. During the 2nd period, group No. 1 lt is not very favourable to the effects rately twice, and found no difference It is absolutely necessary that she, who received, in addition to the above of the beans and linseed, but it is period, when the second the addition to the above facility transferred to the second is called upon to become the comparation, 3 quarts of boiled beans and 3 nion and helpmate of the farmer, pos-lbs. of linseed scalded. sess the same ideas and almost the During the 3rd periods. sess the same ideas and almost the same information as he, and, besides, received the beans and linseed, and she has duties, particularly the care of group No. 1 only the common ration the dairy, which are morning to be described shown the dairy, which are peculiarly her described above, own. She must, too, early acquire. The rations, own. She must, too, early acquire. The rations, except the beans and the taste and the knowledge suited to linseed, were not weighed regularly her husband's position. Instruction every day, but simply measured. (1) in the home-industries of the farm, We were not in a position to carry then, should, in our programme, take the place of instruction in music and fancy work.
What an example have ladies of the

Ursuline Convent at Roberval lately given us in this connection. There, given us in this connection. There, or proportion they are not satisfied with theory, I intend to practice is equally studied, and this is next winter. what is needed if we would arrive at The follow

weighty results.
I conclude, gentlemen, by proposing for your approyal, as a corollary of the ideas I have been laying before you, two resolutions to be submitted to the Congress assembled in general session.

FIRST RESOLUTION.—That the Provincial Government be respectfully requested to take the necessary steps to inaugurate a system of agricultural instruction in our elementary and model schools, our academies and colleges, by first of all causing the publication of a graded course of agriculture for the use of these institutions. and then making such amendments in the school law as shall be needed to render this system easily introduced

into every part of the province.

Second Resolution.—That our universities be respectfully requested to study the means and to seek for the necessary elements to create chairs of agriculture and rural economy, whence public courses shall be gratuitously given.

(From the French.)

The Dairy.

L'ASSOMPTION AGRICULTURAL SCHOOL.

Report on the use of Beans and Linseed as food for Milch-cows.

For several important reasons, the experiments asked for by the Department of Agriculture on this matter could not be begun until December 2th, 1892.

group 1, and group 2.
The duration of the experiment embraced 3 periods.

been previously receiving: 25 lbs. of at their respective establishments on a fit will be seen by this table that maize silage, 9 lbs. of hay chaff and 3 the use of Lans and linseed in the there was an additional yield of milk lbs. of straw chaff, 3 lbs. of wheat feeding of milcheows. We hasten to of 171 lbs. from the cows that received

The chaffed fodder, the silage, and To Mr. Jenner Fust, the bran were mixed, moistened with Montreal. the mixture to begin to ferment.

The programme I have just sketched The water being cold and the silage would also comprise the teaching of half-frozen, necessitated that lapse of The water being cold and the silage

SIR,

The Department of Agriculture has requested me to send you the report of an experiment made by me with beans and linseed as food for milch-I send the report he:ewith. cows.

experiments next year.
Believe me,
Truly yours, L. O. TREMBLAY, Prto., Dir.

School of Agriculture, Sto. Anno de la Pocatière, July 21st, 1893.

Sto-Anne's School of Agriculture

July 20th, 1893.

Alr. Jenner Fust,

Montreal.

Montreal.

Montreal

Mon nately, straw and salted hay. (1)

I am told that a smaller quantity of beans and linseed would have given as good a result: it may be so.

As for the quantity of butter made

from an equal quantity of milk from each group, I had butter made sepa of the beans and linseed, but it is per-fectly trustworthy. I will make fresh stitute fresh experiments before deciding on the expediency of using linseed and beans for the economical production of milk.

Your obedient servant,

L. O. TREBBLAY, Prte., Dir.

The great variation in the yield of In the month of December last, I milk on different days in the figures We were not in a position to carry out this investigation with all desirable precision, so the increase of the milk in group No. 2, during the 2nd period, raises a suspicion that there was some alteration in the quantity or proportion of the food.

I intend to renew this experiment next winter.

The following table shows the results obtained by the investigation:

In the month of December last, I milk on different days in the figures conducted an experiment on the use given by Monsieur Tremblay must strike every one who reads them. On December 9th, the 5 cows constituting the beans and linear group gave 95 on the 1st December, within a pound of the same quantity of milk a day. To one of these groups, I gave, in addition to their ordinary ration, during 15 days, a feed of cooked beans and 1 cannot be accounted for by one a with linseed—(a quart of beans and 1 more of them having been "in season," of a quart of linseed,) daily to each cow.

TABLE SHOWING THE RESULTS OF THE EXPERIMENT.

PENIODS OF THE EXPERIMENT.	Group of 5 cows.	Total milk in lbs.	Quantities of milk prr diem for each cow, in lbs.	Average percentage of fat by the Babcock.	Total fat, in lbs.	Total butter obtainable, in lbs.	Butter obtainable daily.	Daily increase of butter due to the beans and linewal.
1st Period from 26th Dec. 1892 to 7th Jan., inclusive, 1893 = 13 days	No 1 No 2	503 444	7.7a8 6.830	3.815 3, 88	19,189 17,227	22.05 19.81	1.69 1.52	
Difference		59	0.908	In fav. of No. 2 0,065	1.962	2,24	0.17	
2nd Period from 8th to the 23th January, inclus-	No 1 No 2	785 581	9.81 7.26	3.62 3.26	28,42 18,94	32.68 21.78	2.04 1.36	0,35 lbs.
Daference		201	2,55	0.36	9,48	10.90	0.68	
3rd Period from 24th Jan. to the 8th Feb., inclusive, ≈ 16 days	No 1 No 2	584 516	7,30 6,45	4,200 3,675	24,530 18,963	28,19 21 80	1.76 1.36	0 000 16%
Difference		68	0.85	0.525	5.567	6,39	0.10	

We must congratulate Monsieur Marsan on the very effective way in which the above table is drawn up. It is clearness itself. We are sorry to see that, for some reason or other, the results of this experiment, too, are not satisfactory.

BEANS AND LINSEED FOR MILCH-COWS.

The Rev. Mossire Tremblay, Prin-2th, 1892.

For the purposes of the experiment, 10 cows were selected and divided into two groups of 5 each, group 1, and group 2.

The duration of the experiment cipal of the Agricultural school at l'Assomption, have been good enough to forward us reports of the experi-

During the first period, both groups that part of the ration can hardly be said to were fed alike on the food they had be weighed. Bu.

The result was as follows.

171

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Gr	ATING BEA LINSEED.	ns Gno	UP ON ORD	
1st 23 4 5 6 7 8 9 00 112 13 13 13		79 77 77 77 6 77 77	51 lbs. of 571 55 63 32 12 81 22 12 81	- 1
† 	1270 1099	10	99	

irregularity of feeding might have taken place. The sudden jump up, too, from 76 lbs. on the 1st to 87 lbs. on the 3rd, followed by a fall to 79½ lbs. on the 4th, is difficult to account

for.

The cows during the experiment seem to have given a daily average of:

GROUP ON BEANS GROUP ON ORDINARY AND LINSEED.

17 lbs. each. 144 lbs. cach. 1 gallon and 2,10 1 gallon and 5,10: very moderate yields indeed for cows having still more than 5 months to go

before calving.
M. Tremblay doubts if the extra ration pays; he would find, we think,

(1) Does "foin salo" means salted hay, or hay from the salt-marshes? Ed.