

attacks the roots, soak the land all round the plant with a pretty strong solution of Paris-green.

To cook a cauliflower properly, it should be steamed. If you have no steamer, set the cauliflower in a pot with the head well out of the water; put the cover on; it should be crispish and not sodden. Grate Parmesan cheese over the top, and just brown it with a red-hot shovel, if you have not a "salamander."

Beet-root thinned out too far apart is almost invariably poor in sugar. If the land is poor, so will the beet-root be, and stringy too. Earth-up while growing; the *sugar-beet* is always treated thus, so probably more sugar is produced by the operation.

Beans:—By beans, we mean *broad-beans*, not haricot-beans; not a nice vegetable when allowed to grow old and therefore mealy; but when young and tender, as delicious, in our opinion, as a good pea. When about half-grown in the pod, gather them, shell them at once, and boil them rapidly, furiously. Sow as early as possible, and repeat the sowing about the 10th May. Hoe thoroughly, deeply, and pinch off the tops as soon as there is a fair show of blossom. The Windsor, is the best kind.

EXPERIMENT-FIELDS.

Special Competitions for Farmer's Clubs.

Official Circular.

QUEBEC, January, 1899.

SIR,

I have the honour to inform you that the Hon. E. Déchène, the Commissioner of Agriculture, has granted, for the year 1899, a special sum, to be devoted to certain experiment-fields to be got up, this year, by the Farmer's Clubs, in accordance with the subjoined conditions.

Regulations.

1. The Club that shall organise one of these competitions, shall no longer be obliged, as a condition of profiting by the grant, to hold at the same time a competition of the same kind.

2. The prizes, or government grant; worth about \$15.00; shall be paid partly in money (\$7.00),

and partly in the manure, *Thomas' basic slag* (4 bags of 220 lbs. each).

3. There will be only two prizes: 1st prize, \$5.00 and 3 bags of *Thomas' basic slag*; 2nd prize, \$2.00 and 1 bag of basic slag.

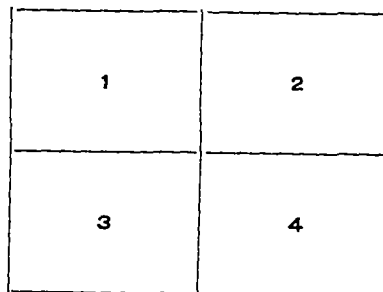
4. The two farmers who shall win the above prizes will have, next fall, to dress a piece of land with the *Thomas' slag*, and the Club will be bound to award, the next year, a prize of \$3.00 to the one of the two competitors who shall show the best results from the application of the slag.

The Club shall send in to the Department of Agriculture an exact report of this supplementary competition.

Programme of the Competitions.

1st COMPETITION.—*Crops of wheat, barley, or other cereal*.—The competitors shall enter for the competition an arpent of land, of average quality, well prepared, cleaned, and water-furrowed.

The experiment-field shall be divided into 4 plots, of a quarter-arpent each, as in the annexed diagram.



The entire plots No 1 and No. 2 shall receive, this spring, as soon as possible after the winter, (it would be better done in the previous fall), a dressing of 200 lbs. of good wood-ashes (hard-wood for choice. Ed.), to be worked well into the soil with the grubber.

A week or two before sowing, on the whole of the plots 1, 2 and 3, shall be spread 150 lbs. of plain superphosphate—50 lbs. to the plot—mixed with twice or thrice its bulk of dry mould, to be worked in and mixed with the harrows. After which, the whole arpent shall be sown with the grain selected.

Lastly, after seeding, a topdressing of 20 lbs. of nitrate of soda, finely powdered and mixed with dry mould, shall be given to plot 1; a good plan is to sow the nitrate of soda at twice, i. e., 10 lbs. before seeding and 10 lbs. a few days after the