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NOTICE.—The subscription to the *Illustrated Journal of Agriculture*, for members of Agricultural and Horticultural Societies, as well as of Farmers Clubs, in the province of Quebec, is 30c annually, provided such subscription be forwarded through the secretaries of such societies. — **EDITORIAL MATTER.** All editorial matter should be addressed to A. R. Jenner Fust, Box 109, Lachine, Que.—or to the Director of Agriculture, Quebec.

OFFICIAL PART.

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SINGLING ROOTS.

The following are the addresses of the Revd. abbé Chartier and others, on the cost of singling an arpent (1/3 of an acre) of mangels—emphatically not of sugar-beets, but cattle-mangels. The address was delivered at the meeting of the Dairymen's Association, at St. Hyacinthe last January, in French, but I believe the translation is perfectly faithful.

A. R. J. F.

I have lately seen in the English edition of the *Journal d'Agriculture* a criticism on certain statements I made last winter, at the meeting of the Dairymen's Association at Three Rivers.

In the first place, I did not intend to lay down the law to any one. I only stated how much the cultivation of root-crop costs us, and, to speak with exactitude, how much the mangel-crop cost. I spoke of nothing else, because we have not succeeded in growing any other roots than the mangels, turnips having always failed with us.

Then, talking about ensilage, I said, that for my part, I would give up growing mangels, since I found that corn, cut green and ensiled, well kept, proved to be of the same value, weight for weight, for milch-cows, as mangels. Having weighed the mangels which we were giving to our cows, and the silage weight for weight, we found that when we fed on silage after stopping the mangels, the milk of our cows did not fall off; and after a few days of silage, it increased.

Whence, I conclude, that for our purpose, corn being much less costly to cultivate than mangels, we ought to abandon the growing of mangels and cultivate corn.

Mr. Jenner Fust, who is a great amateur of roots (and I think he is right, having been born in England where they use large quantities of roots for the stock), was not pleased. He thought I was declaring war against root-growing. But that was not my intention. If, in reality, we could grow roots at the cost he mentions, I should be the first to return to their cultivation; not exclusively, for I hold firmly to fodder-corn ensiled, but I should grow roots, especially for the sake of providing cattle-food during the months of October and November.

Mr. Jenner Fust asserts that an arpent of mangels can be cultivated, i. e., all the work of hoeing, singling, and *ébouvirage* (the word, perhaps, is not French, but it is in use among us), for three dollars an acre. The seed is not in question. I wish to submit this matter to the meeting, in case there should be any one among us capable of teaching us the mode of this cultivation which, unfortunately, is not given.

M. Guévremont, a pupil of Mr. Jenner Fust, at Sorel, declares that he has grown mangels, and all the work cost him was \$3.00 an acre (1).

(1) May I be permitted to say that M. Séraphin Guévremont's