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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 Ed. A. Barnard, Director of the *Journal of Agriculture, &c.*, Quebec.

## OFFICIAL PART.

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Capelton, P. Q., 22nd May, 1889.

A. R. JENNER FUST,  
Upper Lachine, Que.

Dear Sir,—Your letter of the 2nd with enclosure received. We are offering a plain superphosphate (apatite dissolved) at \$10.00 per ton in bulk f. o. b. at Capelton. As written to you previously this is not the high grade rock, but makes a fine superphosphate. Of course you understand after treading with acid the resulting material is not in a friable condition, but requires grinding and screening. To do this and put in sacks we charge \$2 50 extra. (altogether,  $\frac{5}{8}$  of a cent per pound. A. R. J. F.) Canadian farmers are getting advantages with this, that can never be continued unless they give the proper support, but they will be given time to show their appreciation.

In regard to sulphuric acid, we do not care to say exactly

what it can be purchased for; although of course we will put a buyer on a first class basis and all along do our best for him. For your information, however, chamber acid, 50 Baumé, can be bought from us at Capelton for \$15.00 per ton in bulk.

Truly yours,

G. H. NICHOLS & Co.  
P. H. WIGGLESWORTH.

At the price quoted above, I should prefer using the manufactured article to making it myself, even with sulphuric acid at \$15 00 and "Old Char" at \$16.00 a ton. Compare the above with Mr. Nichols' letter in the last number of the *Journal*: "The average of four samples analysed is 11.51 % available phosphoric acid," and with the price list of another manufacturer: "12 to 14 % available, \$26.00 a ton." The difference in something enormous.—*Jenner Fust.*

### COST OF GROWING ROOTS.

Even in England, nobody seems quite theoretically certain whether root-growing is profitable or not, and the reason for this is clear: farmers in that country do not keep accurate accounts of the expenditure incurred in the cultivation of any one of their crops. *Practically*, however, they are pretty sure about the matter, since every farm, except on soils so stiff that summer-fallowing is a necessity, has at least one-sixth of its acreage devoted to the root-crop. It seems to me rather unfair to debit the swedes or mangel with the whole cost of the cleaning and manuring of the land. The cleaning, for instance, is rendered necessary by the fouling of the land during the growth of the previous crops of grain, grass, &c.; and the necessity of manuring the land is due to its exhaustion by those crops. Again, the subsequent crops