

largest currant, but bears very poorly on light soil. Fay's Prolific is about as large; the bunch is much longer, and it is a much better bearer.

58. Plum-trees.—We know of no kind entirely free from black knot. The Moore's Arctic is claimed to be comparatively free.

59. Evaporators.—*Which kind is best? Are other fruits, besides apples, successfully dried? What about markets? What about a vinegar department? Are the peelings and cores worth drying for jelly?* [A. SLAGHT, Waterford.]

60. Budding.—*In cutting the bark of the stock to insert the bud, should both the outer and inner barks be cut through to the wood?* [R.]

Yes. See p. 189.

61. Cold Grapery.—*Please inform me if there is any objection to my leaving the ventilator of my cold grapery open all night this hot weather. Is it likely to induce mildew?* [R., Toronto.]

REPLY BY D. W. BEADLE.—Mildew is frequently caused by sudden changes of temperature especially if accompanied by draughts of air. If R. can be sure that the wind will not veer to the north-west during the night and blow a gale of chilling air through his vinery, then he can safely leave the ventilators open.

62. Plow.—In reply to an enquiry of a subscriber for a plow to throw heavy sub-soil to the surface, Mr. Wm. Rennie says: "I do not know of one manufactured in the County of York. I do not approve of throwing the sub-soil on the surface, but would rather keep the fine mould on top by following an ordinary plow by a sub-soil plow."

63. *Gladiolus Lemoinei*.—*I intend trying to protect Gladiolus Lemoinei this winter. What do you think of my prospects of success?* [J. A. M., Wingham.]

Mr. A. Simmers answers as follows: *Gladiolus Lemoinei* will need to be well protected with a heavy covering of straw litter or else I would not give much for the chances of success in winter of such tender bulbs. I would advise putting them in a sheltered place and then you may succeed in wintering them over.

64. *Lilium Longiflorum*.—*Do you think Lilium Longiflorum would stand remaining in the ground all winter; thermometer going down to 30 below zero sometimes?* [J. A. M., Wingham.]

Mr. Anton Simmers says in reply: *Longiflorum* will stand without fear of freezing or failure in the open ground all winter, where the temperature goes down to 30 below zero. To ensure it, however, better cover the *Lilium Longiflorum* with manure about half a foot, and a board over it.

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## Review.

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*We will gladly give our candid opinion of any books, magazines or catalogues received, especially if they are likely to interest or benefit Canadian fruit growers, but will not insert cut and dried reading notices in favor of any publication whatever.*

### BOOKS.

*Elements of Botany*.—Including Organography, Vegetable Histology, Vegetable Physiology and Vegetable Taxonomy and a Glossary of Botanical Terms, illustrated by nearly five hundred engravings from drawings by the author. By Edson S. Bastin, A.M., F.R.M.S., Professor of Botany, Materia Medica and Microscopy in the Chicago College of Pharmacy. Cloth, Octavo, 300 pages, price, \$2.50. Chicago: G. P. Engelhard & Company: 1887.

Bastin's *Botany* is a fairly got up volume of 300 pages. The intention of the writer is to supply a text-book for our High Schools, Academies and Medical Colleges, which shall also be sufficiently clear to be understood by young beginners, and prove a means of attraction to them in this most delightful of studies.