



Practical Work in the Horticultural Department.

Students acquiring practical skill in the art of grafting, under directions from Mr. Hutt, the College Horticulturist.

at once. The man who accepts a position as teacher in that institution accepts a great trust. There should be no blinking it. The institution is magnificently provided for. Its material equipment is, without question, on a splendid scale. Teaching-rooms, laboratories, apparatuses, etc., have been provided with no stinting hand. The educational results now depend upon the men who man it. If these are lacking in energy, or enthusiasm, or in power or tact as teachers, or if they work in antiquated methods, along lines wanting certainty of direction, they are failures, and no good. On the other hand, if they work true to a definite ideal, in harmony with modern common-sense methods of education, they have possibilities of good results before them such as no other educationists in the province can hope to reach.

THE MATERIAL EQUIPMENT OF THE COLLEGE.

As said above, the material equipment of the college, when considered in relation to its purpose, is admirable. Each department has a building to itself, furnished with teaching-rooms, laboratories, and apparatus, on a scale entirely adequate to its requirements. The *new chemical building* is a model of apposite arrangement. The *biological building*, where the lectures in botany, vegetable physiology, and horticulture, etc., are given, has no counterpart in the province; situated, as it is, convenient to conservatories, green-houses, forcing-beds, potting-houses, etc., its facilities for demonstration, for practical illus-

tration, and for experiment, are, we doubt not, unequalled in the Dominion. The *new bacteriological department* is supplied with a small but complete and entirely modern apparatus, procured in Germany. The facilities for demonstration and practical work in *physics and mechanics*, though not large or remarkable, are being constantly added to, and in the meantime we should say are sufficient. The arrangements made for practical teaching in *live-stock practice* are upon the most extensive scale. Not only are excellent specimens in both sexes of all the standard breeds of cattle, sheep, and swine kept all the time, but the facilities for class-room demonstration with respect to these and for *veterinary work* are very excellent. We did not notice any provision for practical demonstration in animal physiology, but this could easily be added. Specimens of all the more important classes and varieties of *poultry* are kept, and these, we have been informed by competent authority, have been admirably selected; the poultry houses are models of their kind, and the poultry instructor is considered one of the best authorities in his subject in Ontario; but we should like to see with respect to all these advantages a more definite educational provision made for the practical instruction of the student in this most important branch of agriculture. In the *dairy department* the facilities for instruction, actual demonstration, and individual practical work, are simply of the amplest and very best possible sort.