1908.

NEW ZEALAND.

EDUCATION: CANTERBURY AGRICULTURAL COLLEGE.

("THE CANTERBURY COLLEGE AND CANTERBURY AGRICULTURAL COLLEGE ACT, 1896.")

[In continuation of E.-11, 1907.]

Presented to both Houses of the General Assembly by Command of His Excellency.

Visitor .- His Excellency the Governor.

Board of Governors.

Appointed by His Excellency the Governor—E. Richardson.

Elected by members of the Legislature—Hon. E. C. J. Stevens (Chairman); M. Murphy, F.L.S.; and H. A. Knight.

Elected by governing bodies of agricultural and pastoral associations-W. F. M. Buckley, B.A.; George Gould;

and J. Studholme.

Director.-W. Lowrie, M.A., B.Sc. Lecturer on Veterinary Science.—A. Taylor, M.A., M.R.C.V.S.
Lecturer on Chemistry.—G. Gray, F.C.S.
Lecturer on Biology.—F. W. Hilgendorf, M.A., D.Sc.
Farm Overseer.—W. Street.

REPORT OF THE DIRECTOR.

I have the honour, by direction of the Board of Governors, in pursuance of "The Canterbury College and Canterbury Agricultural College Act, 1896," to submit the following report on the work of this institution for the year ending 31st December, 1907, and the balance-sheet for

the same period:-

The attendance was maintained at or near the limit of accommodation throughout the year, and altogether fifty-six students were enrolled, the number being exactly the same as for the preceding year. I am glad to be able to report that the work of the students in residence in 1907 was the most satisfactory as a whole that has been done since I took charge here in 1901. We were fortunate in having a higher percentage of students with some acquired experience of farming before joining the College, and such students almost invariably make the best use of the opportunities to acquire a knowledge of the science and practice of farming which the course here offers. Ten students completed the course in December, and of these seven satisfied the examiners and were awarded the diploma of the College. Their names and addresses are as follows: G. Osborne, Canterbury (gold-medallist); J. McEwan, Palmerston North; F. Batkin, Auckland; J. I. Chrystall, Canterbury; A. D. Newmarch, New South Wales; N. Hutton, Auckland; F. Lelwill, Conterbury. E J. Jekyll, Canterbury.

During the year upwards of £1,000 was spent in permanent improvements and increasing the equipment of the College. A septic-tank system of sanitation was installed, a stable for six horses was built, extensive additions to the milking-yard and cow-stalls were made, a boiler and appliances for steaming and preparing food for the dairy cows and heating water for the dairy were erected, a new power separator was added to the dairy, and a complete milking-machine plant with oilengine was set up. The arrangements for the teaching of blacksmithing and woodwork were modified during the year. In the past a carpenter visited the College two days in the week and a blacksmith on one day, but the arrangement did not allow of sufficient time being occupied by the students with this important part of practical work. Accordingly, a well-qualified mechanic has been engaged and provided with a house at the College. The whole of his time is occupied in teaching and carrying out, with the assistance of students, such horse-shoeing and wood or iron work as is necessary on every farm. Improved facilities are thus offered to students to acquire experience with tools and to fit themselves better as "handy" men.

The College farm has been generously and efficiently managed, and is being worked throughout as a training-farm whereon the business element is all-important and the financial aspect of all operations is set out in relief as bold as is practicable. At the same time, demonstrations are given of the effect of different methods of culture and manuring, of the relative advantages of different varieties of seeds and of different forage-crops and forage-crop mixtures in illustration of the lessons taught in the lecture-room or in the field. As evidence that the live-stock of the farm is being maintained of high quality, it is mentioned that the following tickets were gained at the Canterbury Agricultural and Pastoral Association's Metropolitan Show, 1907: Two champion prizes, two first prize and reserve champions, nine first prizes, four second prizes, one very highly

commended, two highly commended, and two commended.

It may be mentioned also that the flock of crossbred ewes is each year subdivided, and rams of different long-woolled and short-woolled breeds used with the view of demonstrating to the students the utility of different breeds in relation to the fat-lamb industry. To enable students to acquire experience in the valuation of stock, fat or in store condition, and in the ways of the stock-market, classes are taken to the Addington Saleyards in succession, one class each week. Through the courtesy of the stock agents and the Addington Saleyards directors, students have an opportunity of handling the stock in the pens; and to encourage them to compare and value different lines carefully, prizes are awarded at the end of the year to the student in each class who most accurately and consistently throughout the year values certain pens selected at each visit to the yards. In this way experience in the buying and selling of stock is much more extended than could be acquired on any one farm.

I have, &c.,
WILLIAM LOWRIE, Director.

The Hon. the Minister of Education, Wellington.

STATEMENT of RECEIPTS and EXPENDITURE for the Year ending 31st December, 1907. GENERAL ACCOUNT. Expenditure. 1,450 13 Salaries of staff Balance, 31st December, 1906 1.082 6 Maintenance of students and staff 1,754 18 1,052 0 Interest on capital 815 6 4 Farm wages (including £250, proportion of Rent of reserves 725 7 Sales of farm-produce Director's salary) Purchases of live-stock-380 15 10 Wool Pigs . . Dairy Sheep 44 253 19 1 ٠. . . ٠. Wheat . . Horses 9 5 4 Peas 36 15 11 Trade accounts (including saddlery, freights, Oats, &c. sacks, woolpacks, binder-twine, bran, lin-seed, hardware, &c.) ... Sales of live-stock-305 17 11 Pigs . . 1,180 249 7 2 Manures Sheep . . 169 17 41 13 10 Seeds Cattle Implements—Purchases and repairs Laboratories—Chemicals, drugs, &c. Contingencies (College)—Sundry expenses of Director and staff, farmers' luncheon, 483 11 1,487 3 8 Students' fees ... Maintenance of students and staff (including refunds for board of farm employees) Trade accounts—Sales of sacks, poultry Sales of books to students Laboratories—Refunds for drugs, &c. 36 15 10 85 15 57 14 42 12 23 2 66 3 &c. 6 Orchard, grounds, and plantations-Wages, 120 14 459 7 Contingencies (farm)—Show prizes Stationery, exchange on cheques 41 3 6 .. Buildings, repairs ... Rates—Road Board, water and sheep rates $\begin{array}{ccc} 2 & 2 \\ 0 & 13 \end{array}$ 1 68 3 11 Wages of farm—Refund of excess Buildings, repairs—Refunds for breakages Hates—Hoad Board, water and sneep rates Insurance (College) — Buildings, and accountant's guarantee . . . Insurance (farm) — Buildings, machinery, and employers' liability . . . Contingencies (farm)—Expenses in connection with shows, sales, &c. . . . Egg laying competition—Sales of eggs 26 13 11 332 18 31 9 Farm fuel 0 10 Permanent improvements - Labour and 230 2 10 material Stationery-Stamps, telegrams, mail-bag, telephone rent and charges Library—Books and periodicals Students' books—Purchase of books and 27 11 11 instruments .. 28 16 11 Workshops (manual training)-Instructor's fees, &c. ... Students' travelling-expenses 14 15 Travelling-expenses of Board 33 10 Printing and advertising Workshops wages (blacksmith) Contributions to churches 14 17 62 15 6 10 Contributions to churches Prizes and certificates ... Workshops (material and tools) ... Saddlery lessons—Instructor's fees Egg-laying competitions—Wages and feed Examiners' fees Interest—Transfer to Harman and Stevens of interest on Canterbury College debt 17 11 5 1 3 236 16 10 10 sold to them 61 **4 0** 0 30 0 292 5 £7.378 R £7.378 1 1 CAPITAL ACCOUNT. Expenditure. Harman and Stevens—Transfer of balance Receipts. Balance, 1st January, 1907 . . . Received from Canterbury College, balance of Supreme Court award . . . 21,087 15 8 of Canterbury College debt sold to them on account of land purchased ... 3,500 0 New Zealand Government—Purchase 500 land Balance, 31st December, 1907 .. 23,213 10 5 £24.587 15 £24.587 15 8 8 DEPOSIT ACCOUNT. Receipts. s. d. Expenditure. s. d. Deposited with Permanent Investment and 1,500 0 0 1,500 0 Balance, 31st December, 1907 Loan Association MORTGAGE OF FREEHOLD ACCOUNT. Expenditure. Receipts.

0

Loan on security of 6,000 acres ...

20,000

Balance, 31st December, 1907

STATEMENT of RECEIPTS and Expenditure—continued.

STATEMENT OF BALANCES.													
Accounts.			£ s. d.			Bani	k and	Investment	; .	£	s.	đ.	
Capital Account				23,213			Drawing Account	• •	£2,097 3	1			
General Account				292	2	5	Less outstanding chequ	ues	96 10	5			
											2,000	12	8
							Cash in hand				5	0	2
							Deposited with Perma	nent	Investment	As	•		
	-						sociation	• •			1,500	0	0
							Mortgage of freehold				20,000	0	0
													
				£23,505	12 1	0					£23,505	12	10
						=							

Examined and found correct.—J. K. Warburton, Controller and Auditor-General.

WILLIAM LOWRIE, Director.

 $\textbf{\textit{Approximate Cost of Paper}.} \textbf{-} \textbf{Preparation, not given; printing (1,750 copies), £2 9s.}$

By Authority: John Mackay, Government Printer, Wellington.—1908

Price 3d.]