

1894.
NEW ZEALAND

EDUCATION:
THE CANTERBURY COLLEGE

(PAPERS RELATING TO.)
[In Continuation of E.-7, 1893.]

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

ANNUAL STATEMENT OF THE CHAIRMAN OF THE BOARD OF GOVERNORS.

At the annual meeting of the Board of Governors of Canterbury College, held on Monday, the 9th July, 1894, the Chairman's statement of the progress made and the work done in the several departments during the year was read, as follows:—

THE COLLEGE.

On the 2nd April last, Mr F de C. Malet, being about to leave the colony for a few months, resigned the position of Chairman of the Board of Governors. A special meeting of the Board to elect a successor was held on the 30th April, when a resolution was unanimously passed thanking Mr. Malet for his able administration of the affairs of the Board, and for his constant devotion to the interests of the various departments under its control since his election to the position in October, 1885. Mr H. R. Webb was elected Chairman for the remainder of the term. In addition to Mr. F de C. Malet, leave of absence has been granted to the Hon. W C. Walker and Mr John Anderson, jun. By the death of the late Mr J V Ross in January last the Board lost a valued colleague. During the year the resignations of the Hon. E. C. J Stevens, M.L.C., Messrs. L. Cohen and T S. Foster have been sent in. The Board received the resignation of the Hon. E. C. J. Stevens, who had been a member of the Board since 1875, with much regret, and would gladly have seen it withdrawn had such a course been possible. The elections by the graduates "continuing on the books of the College" to fill the four vacancies have resulted in the following gentlemen obtaining seats on the Board Messrs. John Anderson, jun., H. F von Haast, T S. Weston, and J J Kinsey.

The following table shows the number of matriculated and non-matriculated students who have attended lectures since the year 1890 to date:—

	Matriculated.	Non-matriculated.	Total.
1890	151	116	267
1891 ..	172	177	349
1892	186	159	345
1893 ..	182	158	340

These figures give the number of students attending lectures during the academic year—say, from March to November. Previous returns have been reckoned on a different basis, the year having been regarded as ending on the 30th June. In the future it is proposed to adopt the new system as corresponding with the academic year

The following table shows the gradual increase in the total number of students of this college who have obtained degrees in the University of New Zealand since the year 1878:—

1879 .	2	1885 ..	45	1890 .	91
1880 ..	7	1886	51	1891	106
1881 ..	14	1887	58	1892	130
1882 ..	17	1888	70	1893	144
1883 .	25	1889	83	1894 .	167
1884	35				

The number of students attending each lecture during the last term was as follows:—

Classics.—Pass Latin Translation, 32, composition, 38. Greek Translation, 5, composition, 5. Honours Latin: Translation, 4, composition, 6.

English Literature.—Pass lectures Eighteenth century literature, 67 language of Shakespeare and Thackeray, 67; composition, 141, essay class, 100, art of Shakespeare and Thackeray, 96. Honours lectures Philology, 36, criticism, 50; history (1558 to 1625), 46.

Mathematics.—Pass lectures Pure mathematics, 44, mechanics, and hydrostatics, 15. Honours lectures Section I., 2, Section II., 5, Section III., 2, Section IV., 2, elementary mechanics and hydrostatics, 5.

Chemistry and Physics.—Pass chemistry, 10, honours chemistry (organic), 5, chemical physics, 9 pass physics, 19, practical physics (teachers'), 7, practical physics, 9, honours physics, 2, elementary science (teachers' E and D), 35, laboratory practice (chemical), 28.

Geology.—Junior, 20, senior, 12.

Biology, 11, laboratory practice, 12.

French.—Pass lectures Grammar and history of language, 11, translation, 23 composition, 37, literature, 35. Honours lectures Composition, 9, essay and sight translation into French, 10, translation, 9, philology, 15, elementary composition, 4.

German.—Composition, 3, history of language and literature, 3.

Jurisprudence and Law.—Pass jurisprudence, 12, honours, 9, constitutional history, 12, LL.B. (2nd section), 5, LL.B. (3rd section), 2.

Music.—Rudiments of music and harmony (first-year students), 12, rudiments of music and harmony (first-year students) evening class, 7, harmony (intermediate second-year students), 13; harmony, counterpoint, and history of music (third-year students), 17, harmony and counterpoint (advanced), 4.

Eight students from the College have this year obtained the degree of M.A. E. Rutherford gained at the same time first-class honours in mathematics and first-class honours in physics, and G. Robison first-class honours in languages E S. Buchanan, J E. Bannister, T W Cane, and W G. Ivens, second-class honours in languages, and Miss F Sheard, third-class in languages, whilst Miss E. Marchant attained the degree of M.A. Twenty-three students of the College have passed the final section of their B.A. examination—Misses E. Baber, M. Baldwin, A. G. Banks, E. Broome, H. Davy, R. Deck, A. Dykes, M. A. Hookham, J. W. Inglis, K. Isherwood, B. Richmond, A. Thompson, and M. Todhunter, and Messrs. A. J. Buchanan, J U Collins, C. A. Craig, W H. Dawson, A. Dunn, J A. Erskine, H. H. Fooks, J Hight, T Hughes, and A. T Ngata, whilst twenty-five have passed the first section of their B.A. examination—Misses B. Black, S. Davy, G Henry, M. Kebbelle, K. McLean, J Mulholland, S. Saunders, and A. Spencer, and Messrs. E. W. Andrews, F. Bakewell, E. B. Cocks, H. Craddock, W H. Johnson, G. Lancaster, C. E. Mackay, P. Menzies, A. Merton, J Montgomery, W H. Orbell, H. Purchas, F. Rolleston, H. Smith, J E. R. Smith, J M. Waddell, and H. G. Wake. W G. Pye, M.A., and W H. Dawson, B.A., also attained the degree of B.Sc. C. P. Knight and A. Dunn passed the second section of the LL.B. examination, J. Parr, the first section of the B.Sc. (engineering) examination; and Mrs. McLean, the first section of the B. Mus. examination. W H. Dawson gained the senior scholarship in chemistry, C. A. Craig that in mathematics, J Hight that in English and French, A. J. Buchanan that in political science, and J A Erskine that in physics. A. J. Buchanan gained the Bowen prize for 1893 for an essay on "The Influence of the Factory System in England." The College exhibitions, given for excellence in honours work at the College annual examination, were awarded as follows For Latin, A. J. Buchanan; for English, J Hight, for mathematics, C. E. Mackay, for experimental science, J A. Erskine and W H. Dawson (equal) for political science, A. T. Ngata and A. J. Buchanan (equal), natural science, W H. Dawson, French, Miss J Mulholland. The graduates of the University of New Zealand who have been educated at the College now number 167, seventy-one of whom have obtained the degree of M.A., ninety the degree of B.A., four that of LL.B., and two that of B.Sc. Seven arts graduates have also obtained the degree of LL.B., six that of B.Sc., and one that of LL.D. Of the Masters of Arts, three gained double first-class honours, one a double first-class and a second, one a first-class and a second, one a first-class in arts and a second-class in science, thirty-one first-class honours, two double second, nineteen second, and thirteen third-class, and of the Bachelors of Science, one gained second-class. Thus, out of 375 who have taken degrees in the University of New Zealand (exclusive of medical degrees, for which this College cannot enter candidates), 167 belong to Canterbury College, out of the 149 who have taken the M.A., seventy-one belong to it, and of the sixty-three who have taken first-class honours, thirty-eight belong to it. Of the 105 senior and third year and John Tinline Scholarships awarded by the University of New Zealand during the last seventeen years—the period during which the present scholarship regulations have been in force—sixty-seven have been awarded to students of Canterbury College. Of the nineteen Bowen prizes which have been awarded by the University for an essay on a subject connected with English history and open to all undergraduates of the University of New Zealand, thirteen have been gained by students trained in this College whilst the only three mentioned as *proxime accessit* have also been of this College.

At the beginning of the session Dr Arthur Dendy, lecturer on biology, commenced his duties with a fairly satisfactory number of students, including one medical student preparing for the medical intermediate examination. The work is being carried on as well as can be expected, considering the inadequate nature of the present accommodation for laboratory practice. A biological laboratory is urgently required, possessing a good water-supply and a proper system of drainage, suitably lighted and ventilated, and providing sufficient space for the students, and also for the teaching collections and apparatus which have been ordered, and for which there is not sufficient room in the present quarters. The lecturer on biology holds a permanent seat on the Professorial Council.

Examinations for exempted students have been held during the year at Wellington, Nelson, Napier, and Wanganui. An examination in music has been held in Timaru.

Lectures in Music.—Fifty-three students are regularly attending these lectures, nineteen new students having joined the classes this year. This is a gratifying result, the more especially as twenty-one students finished their course of studies last year, having attended the lectures for three years. There are now four classes of lectures—(1) First year students, (2) second year (inter-

mediate), (3) third year (senior), and (4) a class in advanced harmony and counterpoint for such students who may eventually wish to proceed to the degree of Mus. Bac.

The Twenty-first Anniversary of the Board of Governors of Canterbury College.

It may be interesting to members to be reminded that this is the twenty-first annual meeting of the Board of Governors of Canterbury College. The first meeting of the Governors appointed under "The Canterbury College Ordinance, 1873," held in pursuance of Proclamation by his Honour the Superintendent, under section 8 of that Ordinance, took place on Wednesday, the 9th July, 1873. Consequently the annual meeting held to-day is the twenty-first since the establishment of the Board as a corporate institution. Mr. Joshua Strange Williams was elected Chairman, and Mr F de C. Malet was temporarily appointed Secretary. The Provincial Council voted various amounts of money for the purchase of a site and the erection of buildings, and handed over adequate reserves selected from Crown lands as endowments for superior education, the School of Agriculture, and the School of Technical Science. Subsequently further grants of money were voted and additional reserves assigned for the support of various departments created at a later date, and placed under the control of the Board. The Provincial Council in June, 1873, passed the Canterbury Museum Ordinance Amendment Ordinance, empowering the Trustees of the Canterbury Museum and Library to transfer all their properties and powers to the Board of Governors of the Canterbury College. Before the existence of the board of Governors, a body termed the Canterbury Collegiate Union, affiliated to the New Zealand University, had provided instruction in classics, mathematics, modern languages, geology and mineralogy, botany and zoology English language and literature, history and jurisprudence. One of the objects for which the Canterbury College was incorporated was the carrying on the work commenced by the Collegiate Union. The Hon. H. B. Gresson succeeded His Honour Mr Justice Williams as Chairman, subsequently giving place to the Hon. William Montgomery, who, in the year 1885, was replaced by Mr. F. de C. Malet. On leaving the colony for a short visit to England Mr Malet, in April last, resigned the position, and for the remainder of the term was succeeded by Mr H. R. Webb. The Board has to lament the loss from its ranks of many a well-known name. Bishop Harper, Rev. James Buller, Rev C. Fraser, Ven. Archdeacon Willock, Ven. Archdeacon Harris, Dr. Turnbull, Dr Coward, the Hon. H. J. Tancred, the Hon. William Reeves, Messrs. George Gould, W J W Hamilton, H. P. Lance, John Inglis, G. L. Mellish, T H. Potts, J V Ross, and R. Wilkin.

The following institutions have come under the control of the Board of Governors, or have been established by the Board on the dates specified:—

The Literary Institute was taken over on the 31st December, 1873, under provisions of "The Canterbury Museum and Library Ordinance, 1870," and afterwards was known as the Public Library.

The management of the Canterbury Museum was handed over to the Board in June, 1874.

The Girls' High School was opened on 13th September, 1877

The School of Agriculture was opened on the 19th July 1880.

The Boys' High School was opened on the 18th May, 1881.

The School of Art was opened on the 1st March, 1882.

The School of Engineering and Technical Science was established on its present basis on 1st January, 1890.

After the 30th June, 1884, the Governors were elected by the graduates of the University of New Zealand "continuing on the books of the College."

Mr. F. G. Stedman was appointed to the post of Registrar to the College on the 3rd May, 1876, and held the appointment until shortly before his death on 18th January, 1891. Mr A. Cracroft Wilson succeeded to the position.

Death has also deprived the College of the services of the following members of the staff: Dr Powell, at one time lecturer on biology, Sir Julius von Haast, Director of the Museum, and Mr. W. E. Ivey, Director of the School of Agriculture.

The first portion of the College building was opened in 1877

SCHOOL OF ENGINEERING AND TECHNICAL SCIENCE.

As long ago as November, 1878, the subject was mooted that a chair of engineering, land surveying, and practical mechanics be established. In January, 1879, the School of Agriculture Committee recommended the Board to establish a school of that description. In April, 1887, it was resolved, "That it is advisable to establish a Department of Engineering." Mr. R. J. Scott, lecturer on mechanical engineering at the School of Art, was transferred to the new department. Pending the appointment of a professor of engineering, the general supervision of the department was committed to the professor of mathematics. In August, 1889, the Chairman was requested to visit Melbourne and Sydney to inspect the various technical schools at those places, with a view of furnishing the Board with information required for the School of Engineering, also to inquire into other matters connected with the Melbourne and Sydney Universities. In the same month the lecturer, owing to unavoidable circumstances, resigned the position. At a meeting held on the 28th October, 1889, the Chairman read a report on his recent visit to Australia to inspect the various technical schools, &c. The College and Museum Committees were requested to draw up a scheme in connection with the School of Engineering, based upon the principles contained in the report, with any additions or modifications they might think desirable. The report was ordered to be printed, together with any other documents or papers bearing on the subject that the Joint Committee considered would assist the Board in arriving at its decision. A Committee, consisting of six members, was also appointed to report as to the funds at the disposal of the Board for the maintenance of the College, Museum, Library and School of Art, and to make recommendations as to their disposal. The Committee brought up a scheme on the 18th November, 1889, which was in the

main adopted by the Board. The title of the department was fixed as the School of Engineering and Technical Science, and Mr R. J. Scott was appointed Lecturer in Charge. In the year 1891 the Senate of the University gave notice that in the following year (1892) it would examine in engineering. In 1893 the Senate revised the regulations for the course, and decided to confer the degree of Bachelor of Science in Engineering. The report of the Lecturer in Charge is attached hereto.

GIRLS' HIGH SCHOOL.

To the regret of the Board, in March last, the lady principal of the Girls' High School, who has occupied the position from the year 1883, resigned the appointment. The school has prospered during the lady principal's term of office, and a large proportion of the junior scholarships offered by the University of New Zealand, has fallen to pupils trained under her care. Applications were invited to fill the vacancy and Mrs. T. S. Foster was selected from thirteen candidates. Her duties will commence at the beginning of the third term. The number of pupils attending the school this term is 133. A few changes in the staff have taken place during the year. Miss Aikman resigned at the end of last year, and to fill the vacancy others on the staff were promoted, and a part-time teacher appointed. In place of Miss Stella Henderson, who lately gave up her appointment as teacher of cooking, Miss Spooner, who holds a first-class certificate in that subject, has been appointed. The classes in cooking and dress-cutting are larger this year than at any time before, and are progressing satisfactorily. The swimming classes were well attended last season, and were conducted with the usual success. The reports last year of the Examiners on these practical subjects, together with drill, calisthenics, drawing, and singing, continue to show that they are carefully and thoroughly taught. At the annual examination in the ordinary subjects of the school course, the reports of the Examiners—Mr W. B. Harrison, Mr A. C. Gifford, Mr T. R. Cresswell, Mr W. M. Clarke, Mr P. Marshall, and Mr Colborne-Veel—were very favourable. At the entrance examination of the New Zealand University, held last December, out of nine girls who entered for matriculation, seven passed; three girls entered for the Junior University Scholarship Examination, two of whom were successful in gaining scholarships, the third candidate had a good place in the honours list. These bring up the number of junior University scholarships which the school has gained during the past eleven years to nineteen.

BOYS' HIGH SCHOOL.

There have been several changes in the staff during the year. In December last, owing to the great increase in numbers during the past two years, it was seen to be necessary to increase the staff by at least one assistant master. In February the influx of new pupils necessitated a second appointment. Mr T. H. Jackson, B.A., of London University, who was ten years assistant master at Mill Hill, London, and afterwards lecturer in mathematics and sciences at New College, London, was first appointed, being selected from fifty-four applicants. The Board shortly after appointed Mr J. Hartly Smith, M.A., of New Zealand University, late assistant master at Timaru High School and a former pupil of the Christchurch High School. Mr T. Cane, M.A., of New Zealand University, was also made a part-time master. At the end of the term a change was made in the teaching of singing, and Mr Maitland Gardiner appointed instructor. The study of Sloyd has been introduced this year for the boys who do not learn Latin. Mr S. Hurst Seager has been appointed instructor, and he is taking these modern form boys through a systematic course of geometrical drawing, modelling, carving, &c. Mr Seager has also charge of all the geometrical drawing in the general school, and will organise and superintend the school workshop. It may here be mentioned that both drawing and science have received a great impetus this year. There are this year six chemistry classes, as compared with three last year, in addition to a new class in elementary science. Thus the essential basis of technical education is provided. A magic-lantern, for illustrating lessons, has been procured, and has already been of great assistance. It will come more and more into use. At the University examinations W. Campbell and A. Craddock won junior University scholarships, the latter securing the second, and the former the sixth place, out of the twelve New Zealand scholars. Six boys matriculated. At the examination held by the North Canterbury Board of Education three pupils of the school won three out of the five senior scholarships. Mr A. Buchanan and Mr W. H. Dawson, old pupils, won senior University scholarships in political science and chemistry respectively. Mr A. Buchanan also obtained the Bowen Essay prize. Mr E. Buchanan obtained his M.A. with second-class honours in Latin and French. The number of pupils attending last term was 238. The number at the same time last year was 188. Seeing that in September, 1891, two new rooms were erected because the numbers had reached 150, it is obvious that the school buildings now are taxed to their utmost, and the Board has been considering the question of further additions. Temporary relief has been obtained by using as a class room the new orderly room. This room, with two small rooms attached, for the use of monitors and the football club, were erected in January. The large room was intended as an orderly room for the cadets, and is in partial use for that purpose now notwithstanding its occupation as a class room. Mr Seager's classes, both for the morning and afternoon, go to the School of Art. In December last the Board increased the number of foundation exhibitions from four to six. This makes the total number of pupils receiving free education at the present time thirty-five, in addition to three free places which have been vacated. The school was examined in December last in mathematics, physics, and geography by Mr A. C. Gifford, M.A., in French by Mr W. M. Clarke, M.A., in Latin by Mr T. R. Cresswell, M.A.; in English by Mr F. A. Pemberton, M.A. in drawing by Mr R. J. Scott, M.I.M.E., &c., in chemistry by Mr G. Gray; and in drill by Lieut.-Colonel Gordon. Their reports were very satisfactory.

THE MUSEUM.

The Canterbury Museum was commenced in 1861 by Dr (afterwards Sir Julius) von Haast, with a small collection which he had made during the two previous years, when travelling through

parts of New Zealand with Dr F. Hochstetter, the geologist of the Austrian frigate "Novara." Further collections were made by Dr von Haast during his explorations as Provincial Geologist of Canterbury. A large number of geological specimens were presented by Dr von Hochstetter, and several purchases were made by the Provincial Government. These collections were temporarily placed in three rooms in the Government Buildings, and were first exhibited to the public on the 3rd December, 1867. In 1866 a large number of moa bones had been found in a swamp at Glenmark, and the whole of them were presented to the museum by Mr G. H. Moore, the owner of the station. Up to that time nearly all the moa bones found in New Zealand had been sent to the museums in London and Oxford, the European and American museums had none. Full advantage was taken of this by Sir Julius von Haast, and the large collections from Glenmark enabled him to make very advantageous exchanges with most of the larger museums all over the world. In this way the collections increased rapidly. In 1869 a grant of £1,200 was made by the Provincial Council to erect a separate building, and this amount was increased to £1,683 11s. by public subscription. Work was commenced in March, 1869. The building was handed over to the Curator at the end of the year, and was opened to the public on the 1st October, 1870. This (the original museum) now forms the New Zealand Room in the present building. Meantime, the Provincial Government had passed an Act—called "The Canterbury Museum and Library Ordinance, 1870"—constituting a Board of Trustees to manage these institutions. Under the energetic Curatorship of Sir Julius von Haast, the collections accumulated so fast that three additions were successively added to the building—the first in 1872, the second in 1876, and the third in 1881. The designer and architect of the buildings was Mr B. W. Mountfort. In June, 1874, the management was handed over to the Board of Governors of Canterbury College. Sir Julius von Haast died in September, 1887. He was succeeded as Curator, in December, 1888, by Mr H. O. Forbes, who resigned in May, 1892. The Curatorship was then given to Captain F. W. Hutton, who had had temporary charge of the museum between the death of Sir Julius von Haast and the arrival of Mr. Forbes.

SCHOOL OF ART.

During the year ended 30th June, the number of students that have received instruction compared with the two previous years is as follows:—

Year 1891-92—	Second Term.	Third Term.	First Term.
Morning class	28	30	30
Evening class	74	74	70
Saturday teachers' class	78	86	81
Year 1892-93—			
Morning class	31	30	28
Evening class	66	72	85
Saturday teacher' class	88	94	80
Year 1893-94—			
Morning class	31	32	32
Evening class	90	91	115
Saturday teachers' class	94	102	95
	1891-92.	1892-93.	1893-94.
Normal School students (individual)	42	45	45
Boys' High School pupils (individual)	160	181	190

Morning Class.—This has been divided into four main divisions during the past year, instead of three, and the following subjects taught. First, or elementary division. Freehand from the "flat," elementary model drawing, and light and shade in monochrome. Second, or intermediate division. Light and shade in monochrome, more advanced model drawing, and drawing in outline from the cast. Third division. Light and shade and outline from the cast, and still life in colour. Fourth or advanced division. Drawing and painting from the life (both nude and draped), and advanced still-life work in colour. Memory work has been carried on, and has again been found of great advantage as an addition to merely imitative work. The sketching class has been largely attended, and several of the students have produced good work. They have gone out every Tuesday during the summer months. A large proportion of the morning students are this year attending classes in geometry and perspective.

Evening Class.—The attendance during the first term of 1894 shows an increase of thirty students, as compared with the corresponding term of the previous year. The work, in addition to the second-grade subjects (in which it is compulsory for the students to pass) has comprised architecture and decorative design, modelling from the cast and from life, light and shade from the cast and from still life, and drawing and painting from the human figure (nude and draped). In September last Mr S. Hurst Seager commenced his duties as lecturer in architecture and decorative design, and the courses of instruction are now being given in these subjects in accordance with the detailed syllabus published at the beginning of this year. Twenty-eight students are at present attending these lectures.

Advanced Geometry.—This class has been formed for the study of more advanced problems in plane and solid geometry and their practical application. It is at present attended by sixteen students. Mr S. Hurst Seager is also lecturing to a class of twenty-eight in elementary perspective, and Mr Kidson to a class of thirty-six in elementary geometry.

Life Classes have been held on Monday and Friday for the study of the draped figure, and on Wednesday and Thursday for the study of the nude.

Prizes.—Messrs. A. J. White and Whitcombe and Tombs have again kindly presented prizes for competition during the past year, Messrs. Strange and Co. have also offered prizes amounting to

£21 for original designs in linoleums, and Mr H. Lund two prizes of £5 each for designs in stencil work and stone work.

Donations.—Examples of decorative art work and processes of manufacture have been presented by the following gentlemen and firms Messrs. Doulton and Co., London, appliances and material illustrating manufacture of pottery, and finished examples, Messrs. Lassetter and Co., Sydney, case of decorative tiles, Messrs. C. Dobson and Co., Sydney, case of decorative tiles, Messrs. Roache and Co., Sydney, examples of stamped zinc work for ceilings and roofs, Messrs. Barnett and Co., Sydney, prismatic lights and testing box Messrs. Danks and Co., Sydney, examples of drawn lead piping, Mr S. Hurst Seager, two specimens of mosaic flooring, two models of special methods of hanging window-sashes, samples of anaglypta for wall and ceiling, illustration of process of glass embossing, four casts of Renaissance ornament, samples of mouldings and ornamental woods, Messrs. E. Reece and Sons, Christchurch, ornamental wall tiling and ornamental pateras, model of drain trap, R. D. Thomas, examples of mezzotint engraving.

Normal Students.—The Normal students have attended on Friday afternoons through the year, and have received instruction in freehand and model, those taking geometry and perspective being allowed to attend the lectures on Saturday mornings.

Boys' High School.—At the beginning of the present year new arrangements were made for the teaching of the boys at the High School, Mr. S. Hurst Seager being appointed to arrange and carry out a system of Sloyd instruction for the modern form. Forty-four pupils are attending this class in two divisions, the upper receives three hours' instruction and the lower two hours per week. Freehand and model classes, attended by eighty boys, are held on Monday and Friday afternoons from 2 to 4, and are taught by Mr Walsh. Geometry classes, taught by Mr S. Hurst Seager, are held on the same afternoons from 3.20 to 4, and are attended by eighty boys. The total time now given to this work is ten hours twenty minutes per week.

Teachers under the Education Board.—The usual second-grade subjects have been taught to these students—viz., freehand, model, geometry, perspective, and memory drawing on the black-board. Two of the teachers who have obtained the full Second-grade Certificate are now working for the Art Teacher's Certificate.

Free Studentships.—The six free studentships offered for annual competition by the Board on the past year's work were won by the following students Painting from life, H. Spensley, landscape from nature, C. Bickerton, painting from still life, E. G. Deakin; drawing from life, S. R. Bourdot, drawing from the antique, A. M. Piercy, architectural drawing, C. E. Brunsdon. The annual free studentships offered to the head boy in drawing in each of ten district State schools were competed for last February. Seven schools competed, with the following result Normal, W Coombridge, Ferry Road, G. J. Garton, West Christchurch, W J Guntrip East Christchurch, L. Booth; St. Albans, A. E. Briggs and T. W. Owen, Papanui, R. Morgan, Richmond, C. K. Whale.

Judges.—Mr P. Van der Velden judged the drawing and painting from the life, light and shade from the antique, and still life in colour, and Mr Mountfort judged the works in architecture and decorative design. The following are the results of the competitions Freehand, first prize Miss H. McIntyre, second T. G. Earls and F. Turner (equal), model, first prize E. Archbold, second H. Bradley, light and shade from the antique, R. J. Westropp, head or figure from life in colour, H. Spensley, still life in colour, (Headmaster's prize), Miss A. McLean, copied decorative designs, (Mr A. J. White's prize), W. Thompson, modelling in clay from the antique (Messrs. Whitcombe & Tomb's prize), C. Brassington.

Wellington Competition.—Last September, a series of works were sent to the competition of the Society of Arts in Wellington, and the following awards were gained by our students Painting from still life in colour First prize, Miss H. L. Smith, second (certificate), Mrs. A. E. Turner. Painting from life Second, C. Bickerton. Architectural drawing First prize, E. England, second, C. E. Brunsdon.

Examinations.—The annual second-grade examinations were held last December, with the following results, compared with the previous year:—

	Freehand.	Model.	Geometry.	Perspective.	Black-board.	Full Second-grade Certificate.
1892	83	50	10	4	9	6
1893 ..	78	85	14	7	8	5

Annual Exhibition.—The annual exhibition of students' works was held last February, and was largely attended. In some respects it was the best exhibition that has ever yet been held, the branches of work best represented being freehand and model drawing, painting from still life, and drawing and painting from the life.

Prize Distribution.—The prize distribution was held on the 6th February, when the Chairman of the meeting distributed the prizes to the successful students, and addresses were given by Messrs. G. Booth, H. von Haast, His Worship the Mayor, and Mr. S. Hurst Seager.

THE PUBLIC LIBRARY.

Members of the Board may perhaps require to be reminded that the first action taken in the direction of providing a reading-room and library in Christchurch was at a public meeting, held at the Oddfellows' Hall, Lichfield Street, on the 26th May, 1859, to take into consideration the best means of establishing a mechanics' institute. At a subsequent meeting, held on the 9th June, 1859, trustees and officers were appointed, together with a Committee. Certain rules were adopted for the working of the institution, and the Committee was instructed to secure a site and building as soon as possible. The Institute was formally opened on the 4th August, 1859. In the original

plan of the city as laid out by the founders of the province, a valuable site had been reserved for the purpose of a mechanics' institute. A petition was presented to His Honour the Superintendent, praying for a site of ground upon which to erect a building for the use of the Institute. The Provincial Government, on the 29th May, 1861, agreed to offer a sum of money in lieu of a site for the Institute. The Committee of the Institute purchased half an acre of land, being Sections Nos. 405 and 406, on the east side of the River Avon, fronting on Hereford Street and Cambridge Terrace, for the sum of £262 10s. The Committee recommended that funds for a building should be raised by shares and subscriptions, the amount of the shares to be £5. Subsequently on the 10th December, 1862, the funds at the disposal of the Committee were reported to be as follows: 130 shares, subscribed, at £5, £650; Government grant, £500 total, £1,150.

Out of this amount about £265 had been paid for the building-site, leaving a balance of £885. A recommendation was made that the sum of £800 be expended in finishing a portion of the main building, sufficient for immediate use. Eventually a tender was accepted at a total cost of £1,169. In February, 1868, the name of the institution was changed to that of the "Christchurch Literary Institute." On the 30th July, 1873, the Committee of the Institute met the Library Committee of the Board of Governors of Canterbury College. It was resolved that application be made to the Superintendent to introduce, and carry through the House of Assembly, a Bill giving powers to the Committee of the Literary Institute to transfer the property of the Institute to the Superintendent of the Province of Canterbury, for the purposes of a public circulating library and reading-room. On the 15th December, 1873, the Trustees of the Christchurch Literary Institute conveyed the half acre of land at the corner of Hereford Street and Cambridge Terrace, with all buildings thereon, together with the books, furniture, chattels, and effects, to the Superintendent of Canterbury, "upon trust for the purpose of a public library, to be established and maintained under and in pursuance of the provisions of "The Canterbury Museum and Library Ordinance, 1870," subject nevertheless to the conditions expressed of and concerning the same—that is to say, that a reading-room and circulating library of at least equal dimensions, both as regards space and number of books and periodicals to those conveyed and assigned, shall be constantly maintained in the said buildings, or in any new buildings to be erected upon the said land in the place of the existing buildings, and that such books and periodicals shall from time to time be supplemented and increased, so as to satisfy future requirements, and generally the institution maintained in accordance with the usual and recognised standard of a public circulating library and reading-room, provided always that the Superintendent and his successors, or other the acting trustees of the institution continue to exercise the discretion enjoyed by the present management, of determining upon the books which shall be retained solely for reference, and that the advantages of such reading-room shall be opened to the public free of charge, and that the advantages of the circulating library shall be open to the public either free of charge, at the discretion of the management, or at charges not greater than the charges following—that is to say, 20s. per annum, payable either yearly, half-yearly, or quarterly, in advance." The Superintendent gave the control of the Library to the Board of Governors of Canterbury College in the year 1873. A contract was entered into by the Provincial Government in 1875 for the construction of a new wing to the Library. In 1876 the Provincial Council Library, consisting of 1,212 volumes, was transferred to the Public Library. His Excellency the Governor, in whom all public property was vested by the Abolition Act of 1876, conveyed by deed, bearing date 25th July, 1878, the Public Library to the Board of Governors of the Canterbury College.

Before the control of the Public Library was transferred to the Board of Governors, a public subscription was got up for the purchase of books for the institution. The amount collected was £545 19s., Mr George Gould, £100, handed over by Canterbury Collegiate Union, £109 2s. 6d., scrip transferred by owners, £175 total, £930 1s. 6d.

The cottage adjacent to the Library having been burned down on the 27th April last, tenders were invited for the erection of a building in brick. J McColl's tender for the work for £555 was accepted. Towards the payment of this amount the money received from the insurance company (£275) is available. The reference and circulating departments of the Public Library were closed from the 13th to the 27th November for the purpose of moving the books into the new building erected for the reference library, and for the rearrangements and alterations rendered necessary in consequence.

Reference Library.—Since the opening of the new room the number of persons making use of the department has more than doubled. The ventilation is good, and the heating-apparatus works well. Two hundred and forty-five volumes have been added during the year, while several works are under order from England. The total number of volumes in this department is 9,115. It is again necessary to report that books have been stolen and damaged.

Circulating Library.—A large increase in the number of subscribers has taken place during the year. It has been found necessary to employ an extra assistant on Saturday evening. In this department also complaint has to be made of the want of care in the treatment of the books, and of volumes not being returned. A new catalogue is now in the hands of the printer. The preparation has entailed a large amount of work for the staff. Extra copies of the popular magazines have been ordered. During the year 1,134 new books have been added to the shelves, 318 worn-out volumes have been replaced, and 211 have been removed as unfit for issue. The total number of volumes is 15,651, the number of subscribers is 1,736, and the weekly issue of books is about 2,000.

Reading-room.—Great numbers avail themselves of the advantages offered in this department. At times every chair and desk is occupied. The following papers are taken in: English, 6, Irish, 1; Scotch, 1; American, 1, Australian Colonies, 9, New Zealand, about 40, magazines, 16. The average attendance in all three departments is about 800 a day

SCHOOL OF AGRICULTURE.

The members of the Board of Advice retiring by rotation to-day in accordance with the rules are Hon. W Rolleston and Mr D. McMillan. They are eligible for re-election. Mr H. Overton

has for some time past occupied the position of Chairman of the Board of Advice, and has taken the greatest interest in the work of the School, and given much care, time, and attention to the working of the farm since his appointment to the Board of Advice. A portrait in oils of the late Mr W. E. Ivey has been presented to the institution by subscribers, and has been hung in the dining-hall. The thanks of the Board of Governors have been given to the Commissioners appointed in England to select a director for the School—Lord Onslow, the Agent-General, and Mr P. Cunningham. After much trouble and care they finally selected Mr John Bayne for the position. He entered upon his duties at Lincoln on the 28th March. The thanks of the Board were given to Mr H. Overton, and also to Mr G. Gray, for services rendered to the department pending the appointment of a new director and his arrival in the colony. His Excellency the Governor and Lady Glasgow visited the Lincoln College on the 9th of February, and expressed themselves pleased with the institution. Mr. A. E. G. Rhodes, in virtue of his position as Chairman of the Agricultural and Pastoral Association, is now a member of the Lincoln College Board of Advice. At the time of the arrival of Mr Bayne twenty-six students were in residence, now there are thirty-six, including one scholarship holder and three day students. A few applications have been made for next term, commencing on the 25th July, and it is anticipated by that time the numbers will have reached forty. The cost of maintenance, which includes food, fuel, light, and attendance for each student and member of the teaching staff in residence, has been £44 2s. 9d.

The final certificate of the College was obtained by student W. C. Leys. Annual certificates of merit were awarded to students S. E. Crawford, W. C. Leys, and H. Telford, of the second year; and to students H. S. Marshall, G. H. Stewart, W. Waddell, H. Withy, and E. T. B. Worthy, of the first year. The subjects taught are those set forth in the printed prospectus. Class work has been conducted on almost the same lines as formerly. Weekly examinations are held in the various subjects of instruction. During the examinations at the end of the first term no suspension of farm work took place, special arrangements having been made to admit of its being carried on. In agriculture both first- and second-year students receive outdoor demonstrations and write reports thereon. The privilege formerly granted to second-year students of attending the Addington saleyards has been continued, and arrangements may also be made to enable them to visit from time to time various typical farms, dairies, and breeds of live-stock in different districts. The only change in the teaching staff has been made in the appointment of Mr J. R. Charlton, M.R.C.V.S., to the post as lecturer on veterinary science. Messrs. G. Gray, P. Marshall, and C. E. Adams having charge of the chemical, biological, and mathematical departments respectively.

The farm on the whole is in good order. The yields of barley and wheat were poor owing to the prevalence of rust; those of beans, peas, oats, and grass-seed were quite up to the average. Throughout the summer grass was abundant. The live-stock are of good quality, in good condition, and by continuous culling and selection a high standard of excellence bids fair to be attained. The stud flocks comprise Border Leicesters, English Leicesters, and Shropshire Downs, the two latter being purchased this year from the special vote granted for that purpose. The numbers of live-stock on the farm are as follows: Cattle, 60, sheep, 1,280, horses, 14, and pigs, 105. The annual valuation took place on Tuesday, the 19th June, in the presence of the second-year students, and was conducted by Messrs. W. Boag, D. McMillan, and H. Overton. The results compare somewhat unfavourably with those of the preceding valuation, owing to the general fall in prices of live-stock and farm produce. The Board of Advice have made their usual monthly visits, and have rendered valuable service in connection with the working and management of the institution and farm.

APPENDICES.

1. REPORT OF THE LECTURER IN CHARGE OF THE SCHOOL OF ENGINEERING AND TECHNICAL SCIENCE.

I HAVE the honour to report on the work of the School of Engineering and Technical Science. This work has, during the past year, considerably increased, both in scope and amount, the school being now open eleven and a half hours per diem, with the exception of Saturdays when the working hours are three and a half. Whilst the number of individual students remains practically the same (fifty-one) as last year, the hour attendances have increased from 219 to 254 per week. There are now twelve distinct courses of lectures, occupying thirty-three hours per week, the school being divided into two sections, the one a department of the College for the preparation of matriculated students taking the course for the degree of Bachelor of Science in Engineering, the other a technical school for the instruction of artisans and apprentices by means of evening lectures. The College section, which in the past has suffered from the uncertainty which has existed as to the provision of apparatus required by the University regulations, now shows promise of very considerable expansion. There are numerous candidates for the December entrance exhibition, for which hitherto there has been little or no competition, but perhaps the best indication of the effect of the Board's decision to complete the equipment of the school is given by the following extract from a speech of Mr A. Burt, when presiding at the distribution of prizes at the Boys' High School, Dunedin. He said: "There is another profession, which, to some extent, has been overlooked—that of engineering. In a manufacturing city like ours, it is necessary that a proportion of our boys should turn their attention to the studies in connection with this profession, and to encourage them a technical school is necessary, wherein boys should be taught the use of tools and construction, along with their mathematics, preparing them to enter the Engineering College in Christchurch. During the past few years this College has made great advancement, and I venture to say that, when the machinery now ordered from England is fixed up, there will be no necessity for us to send our boys all the way to England to study engineering." Mr Burt has supplemented this expression of opinion by the offer of free instruction at his works to any High School boy intending to compete

for the Engineering Entrance Exhibition at this College. The experimental engine ordered by the Board has arrived, and is now in the course of erection, whilst the foundations for the testing machinery are being proceeded with. Much additional work has been caused, in both these and the engine foundations, by the necessity of sinking to a considerable depth to obtain firm bottom, the ground here being "made," and of a very bad character. When the installation of these appliances is completed, the Board will be in possession of a plant, which, in addition to providing for the efficient carrying out of the University course of engineering, will enable the physical nature and commercial value of the various natural and manufactured products of the country to be accurately determined. As, for example. The steaming qualities of its various fuels, the strength and durability of its timbers, building stones, clays, and cements; the value of its manufactured minerals, yarns, and fibres. The stock of lecture diagrams has been greatly added to, and now numbers 720. A considerable and increasing use has been made of the school for reference purposes by various private firms and Government departments who, in return, have in many ways rendered me much assistance. My thanks in this respect are especially due to the Railway Commissioners, Officers of the Locomotive Department, and Messrs. Scott Brothers.

ROBT. J. SCOTT,
Memb. Inst. Me. Eng., Assoc. Mem. Inst. C.E.,
Lecturer in Charge.

2. REPORT OF THE CURATOR OF THE MUSEUM.

I HAVE the honour to submit my report on the work done in the Museum during the past year. The new arrangements for cleaning, which were made in May, 1893, have worked very satisfactorily. The water-supply has been improved by sinking a new well last March. This well reached the water at 190ft., and it rises about 9ft. 7in. above the sill of the Museum door. A glass gauge has been put up in connection with this well, and the height of the water in both the new and the old wells is recorded every morning. It is hoped that this will give useful information about the water-supply of the town. During the year exchanges have been completed with Mr. D. Adcock, of Adelaide, Professor Leche, of Stockholm, Professor Ward, of New York, Dr. Packard, of Brown University, Rhode Island, Mr. G. Sweet, of Melbourne, and the Australian Museum, Sydney. Others are in course of arrangement. Collections of foreign birds have been sent to the Oamaru Athenæum and to the Wanganui Museum. The additions to the fossil-room are a set of twenty-one models of extinct reptiles and mammals, and a number of Australian fossils. The type collection of rocks has been mounted and labelled. Printed labels have been placed on the large casts of fossil vertebrates. The whole of the minerals have been rearranged according to Dana's Mineralogy, mounted and labelled. A separate metallurgical collection has been formed, and a number of pseudo-morphs, which were stowed away on the top of a case, have been mounted and labelled for exhibition. The additions to the mammal room are Two whale skeletons from the North Atlantic, the skeleton of a wild pig shot on the Port hills, and a stuffed Australian seal. A number of small skeletons have been taken out of cupboards and exhibited in a glass case, and the skeleton of a man has been placed alongside that of a horse, and the limb bones of both have been marked with similar letters. Two birds from Magellan Straits and one from the Cape of Good Hope have been added to the collection in the bird gallery. The shells have been rearranged and remounted, and a considerable number from Australia and Tasmania have been added. Reduced models of the animal-shaped mounds of North America and of the Aztec Calendar have been added to the antiquity room. The coins have been rearranged, and a large number of labels have been printed. Casts of two Assyrian and one Egyptian sculptures have been added to the sculpture room. The Society of Arts have not yet removed their pictures, although the gallery for them is finished. Until these pictures are removed no attempt at a permanent arrangement of this room can be made. The principal additions to the ethnological room are coloured busts, representing the five principal races of man, obtained by exchange, and a set of Indian chain-armour, and an Eskimo canoe from Behring Straits, obtained by purchase. The New Zealand and Auckland Island seals have been removed from the mammal room and placed in a new case made for them, so that now all the New Zealand collections are gathered together in one room. Four birds, not previously represented, have been added, as well as a number of fishes, most of the latter having been presented by Mr. R. G. Warnes. Mr. Townson, of Westport, examined a cave in the Lower Buller River for the Museum, and sent us all the bones found. However, the only things of interest were some bones of *Megalapteryx* and the scapulo-curacoid of *Anomalopteryx parva*. The Maori house has been taken down, turned round, and put up again, so that the carvings of the door and window, previously exposed to the weather, can now be seen by the visitors. The whole of the contents have been rearranged, and new labels printed. Wax models of three Maoris have been obtained by exchange from Sir Walter Buller for a skeleton of *Dinornis robustus*, and have been placed under the verandah of the Maori house. A very interesting model of Hone Heke's pah, near the Bay of Islands, has been placed in the Maori house. This model was, by the kind permission of the Royal Society of Tasmania, copied from a model presented to them by Governor Gore Brown. I have to thank Mr. A. Morton, Curator of the Museum, for looking after the making of this model, and seeing that it was correctly copied. In addition to the usual donations to the library from scientific societies, donations of memoirs and papers have been received from—Mr. A. Agassiz, Dr. Callasay, Professor O. K. Gilbert, Mr. Theodore Gill, Mr. R. L. Jack, Professor O. C. Marsh, Lieut.-General McMahon, Baron von Müeller, Dr. P. Oehlert, Baron Osten Sacken, Professor A. S. Packard, Professor R. Tate, Professor G. F. Wright. The following books have been added. By purchase—Challenger's Reports, "Physics, Chemistry, and Narrative of the Cruise," Wood's "Natural History of Man," and Sharpe's "Birds of Paradise, Part III." By presentation—Broinowski's "Birds of Australia," Brehm's "Les Races Humaines," and Rang's "Histoire Naturelle des Pteropodes," the Curator.

F. W. HUTTON, Curator.

3. STATEMENT OF THE ACCOUNTS OF THE CANTERBURY COLLEGE FOR THE YEAR ENDING 31st DECEMBER, 1893.

STATEMENT OF BALANCES.

Accounts.

Cr.	£	s.	d.	£	s.	d.
School of Agriculture Capital Account	38,068	5	6			
Boys' High School Capital Account	455	5	0			
Boys' High School Maintenance Account	472	2	2			
Classical School Capital Account	1 110	2	1			
Superior Education Capital Account	2 744	10	9			
College Maintenance Account	325	4	5			
School of Engineering and Technical Science Account	713	13	5			
School of Engineering—Testing Machinery Account	244	17	6			
Girls' High School Capital Account	4,805	10	4			
Girls' High School Maintenance Account	873	12	2			
Circulating Library Account	100	1	7			
Medical School Reserves Account	3,946	8	10			
School of Technical Science Capital Account	19,929	11	8			
Museum, Library, and School of Technical Science Endowment Fund Account	156	4	6			
Astronomical Department Account	1,016	19	9			
				74,962	9	8
Dr.						
School of Agriculture Maintenance Account	4,079	15	4			
School of Art Maintenance Account	20	12	2			
Museum Maintenance Account	13	0	7			
				4,113	8	1
				<u>£70,849</u>	<u>1</u>	<u>7</u>

Bank and Investments.

Cr.	£3,737	13	3			
Drawing Account	373	10	11			
Less outstanding cheques				3,364	2	4
Mortgage of freeholds				65,567	19	6
Purchase of Girls' High School site (deed held)				900	0	0
Fixed deposit				1,016	19	9
				<u>£70,849</u>	<u>1</u>	<u>7</u>

Liabilities.

New Zealand Trust and Loan Company	32,000	0	0
Public Library—Scrip of shareholders	113	10	2
	<u>£32,113</u>	<u>10</u>	<u>2</u>

SYNOPSIS of BALANCES at 31st December, 1893.

	Dr.	Cr.
£ s. d.	£ s. d.	£ s. d.
School of Agriculture—		
Capital Account		38,068 5 6
Maintenance Account	4,079 15 4	
School of Art—		
Maintenance Account	20 12 2	
Boys' High School—		
Capital Account		455 5 0
Maintenance Account		472 2 2
Classical School—		
Capital Account		1,110 2 1
Superior Education—		
Capital Account		2,744 10 9
College—		
Maintenance Account		325 4 5
School of Engineering and Technical Science Account		713 13 5
Testing Machinery Account		244 17 6
Girls' High School—		
Capital Account		4,805 10 4
Investment Account	900 0 0	
Maintenance Account		873 12 2
Circulating Library—		
Maintenance Account		100 1 7
Medical school reserves		3,946 8 10
School of Technical Science—		
Capital Account		19,929 11 8
Museum, Library, and School of Technical Science Endowment Fund Account		156 4 6
Museum—		
Maintenance Account	13 0 7	
Mortgage of freeholds	65,567 19 6	
Astronomical Department Account		1,016 19 9
Deposit Account	1,016 19 9	
Balance at bank	£3,737 13 3	
Outstanding cheques	373 10 11	
	<u>3,364 2 4</u>	
	<u>£74,962 9 8</u>	<u>£74,962 9 8</u>
Liabilities.		
New Zealand Trust and Loan Company—		
School of Agriculture Account	13,000 0 0	
Boys' High School Account	5,000 0 0	
College Account	12,000 0 0	
Museum Account	2,000 0 0	
	<u>32,000 0 0</u>	
Public Library—		
Scrip of shareholders	113 10 2	
	<u>£32 113 10 2</u>	

NOTE.—At 30th June, 1894, the liability of the School of Agriculture Account had been reduced by £3,800.

School of Agriculture, Capital Account.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
To Balance, 1st Jan., 1893 ..	53,159	10 8	By N.Z. Trust and Loan Company—Repay-		
Payment on account of excess acreage			ment of part of Loan of £28,000	15,000	0 0
in land purchased out of Reserve 1574	366	14 0	Refund for deficient acreage in sections		
			purchased out of Reserve 1574 ..	445	6 6
			Share of insurance on Saxton's estate ..	4	11 2
			Share of cost of inspecting securities ..	1	7 8
			Legal expenses ..	6	13 10
			Balance ..	38,068	5 6
	<u>£53,526</u>	<u>4 8</u>		<u>£53,526</u>	<u>4 8</u>
Balance, 1st Jan., 1894	£38,068 5 6			

School of Agriculture, Buildings Account.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
To General Maintenance Account—Transfer			By Balance, 1st Jan., 1893	89	2 2
of Balance, 30th June, 1893	89	2 2			

School of Agriculture, Maintenance Account.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
1893.			By Balance, 1st Jan., 1893	4,295	6 7
To Rent of reserves	1,649	19 8	Salaries ..	1,266	17 9
Interest on capital	2,537	11 11	Contribution to Registrar's office ex-		
Rent of land ..	10	0 0	penses ..	100	0 0
Penalties (students') ..	0	2 6	Boarding students and staff ..	1,265	4 6
Sale of live-stock, bacon, and wool ..	1,489	14 4	Maintenance of Buildings—		
Sale of grain ..	458	14 3	Insurance ..	96	4 2
Sale of dairy produce ..	270	6 0	Repairs, &c. ..	132	15 11
Students' fees	622	10 0	Labour on grounds, &c. ..	83	19 1
Sale of books and instruments to			Laboratories Account	2	12 0
students ..	44	8 3	Books and instruments for students	20	3 2
Laboratories Account—Sale of apparatus			Library Account	29	17 7
to students ..	22	3 2	Printing and advertising	6	15 6
Laboratory—Two cases acid jettisoned			Stationery and stamps	30	2 5
(refund from Townson and Mercer)	5	8 0	Law costs, extras for visitors, &c.	45	11 7
Sale of implements ..	8	5 6	Orchard and plantations, labour in	57	12 8
Balance ..	4,079	15 4	Prizes and certificates	5	18 5
			Contingencies, petty cash, &c.	49	10 5
			Farm labour, superintendence of		
			students, &c. ..	911	19 1
			Students' labour	116	11 8
			Manures	59	5 0
			Seeds	17	4 7
			Implements	1	6 0
			Purchase of live-stock	135	6 6
			Trade accounts and freight	228	3 5
			Fuel for farm	7	13 6
			Rates	61	5 10
			Insurance (farm)	6	3 7
			Contingencies (farm)	5	5 6
			Experimental work	7	3 0
			Permanent improvements	269	11 5
			Material (workshops) ..	4	13 9
			Travelling-expenses of students	21	4 6
			Interest on loan (N.Z. Trust and Loan		
			Company) ..	961	5 8
			Interest on current account	318	0 9
			Workshops wages	31	9 6
			Additions, &c., to Mr. Gray's house	181	5 0
			Repairs to cottages ..	105	0 0
			Expenses of Commission to appoint		
			director ..	41	14 5
			Board of Advice ..		
			Honorarium and		
			travelling-expenses	118	16 4
			Inspection of reserves	10	16 0
			Buildings Account—Transfer of balance	89	2 2
	<u>£11,198</u>	<u>18 11</u>		<u>£11,198</u>	<u>18 11</u>
			Balance, 1st Jan., 1894 ..	£4,079	15 4

School of Art, Maintenance Account.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
To Balance, 1st Jan., 1893	722	2 2	By Salaries	959	3 4
Students' fees	484	10 0	Bonus to Life Classes	70	15 0
Grant from Museum, Library, and School of Technical Science Endowment Fund	800	0 0	Prizes	15	15 0
Grant from Boys' High School	120	0 0	Special prize	10	0 0
Grant from Board of Education	80	0 0	Insurance	12	12 6
Interest	37	2 5	Rates	36	5 0
Balance	20	12 2	Incidental expenses	123	4 7
			Contribution to Registrar's office expenses	30	0 0
			Gas	34	19 9
			Repairs	7	16 10
			Plaster casts	26	8 6
			Grammar of Ornament	19	12 0
			Additions to school buildings—		
			Building contract	688	2 0
			Architect's commission	57	17 9
			Clerk of Works' salary	39	0 0
			Lavatory, basins, tank, &c.	13	15 0
			Gas-fittings, ventilating-pipes	15	12 6
			Additional ventilators	6	10 0
			Alterations to heating apparatus	96	17 0
				<u>£2,264</u>	<u>6 9</u>
			Balance, 1st Jan., 1894	£20	12 2

Boys' High School, Capital Account.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
To Balance, 1st Jan., 1893	455	5 0	By Balance	455	5 0
Balance, 1st Jan., 1894	£455	5 0			

Boys' High School, Maintenance Account.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
To Balance, 1st Jan., 1893	60	4 2	By Grant to School of Art Account, for instruction to pupils in drawing	120	0 0
School fees	1,506	15 0	Salaries	3,062	10 0
School fees (outstanding from 1892)	4	4 0	Insurance	26	4 8
Rent of reserves	3,251	10 3	Rates	78	10 10
Rent of reserves (outstanding from 1892)	54	10 3	Contribution to Registrar's office expenses	80	0 0
Interest	34	19 6	Examiners' fees	63	0 0
			Leaving exhibitions	30	0 0
			Incidental expenses	395	11 5
			Chemicals for laboratory	23	2 7
			Inspecting reserves and advertising	118	4 1
			Interest on loan (£5,000)	325	0 0
			Workshop, annual expense of	25	0 0
			Reserve 1124, protective works	30	11 0
			New desks and forms, coalhouse, &c.	50	6 4
			College maintenance, refund	10	0 0
			Exchange on cheques (transferred to Exchange Account)	2	0 1
			Balance	472	2 2
				<u>£4,912</u>	<u>3 2</u>
Balance, 1st Jan., 1894	£472	2 2			

Classical School, Capital Account.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
To Balance, 1st Jan., 1893	1 110	2 1	By Balance	1 110	2 1
Balance, 1st Jan., 1894	£1,110	2 1			

Superior Education, Capital Account.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
To Balance, 1st Jan., 1893	2,745	16 4	By Legal expenses	0	13 7
			Inspection of securities	0	2 9
			Insurance (Saxton's estate)	0	9 3
			Balance	2,744	10 9
				<u>£2,745</u>	<u>16 4</u>
Balance, 1st Jan., 1894	£2 744	10 9			

College Maintenance Account.

<i>Receipts.</i>	£	s.	d.	<i>Expenditure.</i>	£	s.	d.
To Rent of reserves—				By Balance, 1st Jan., 1893	0	14	2
Classical school	4,517	5	1	Salaries	5,490	0	0
Outstanding from 1892	443	18	5	Incidentals (College)	461	6	3
Superior education	2,565	0	0	Incidentals (Laboratory)	127	1	10
Rent of town reserves	226	8	0	Insurance (College)	86	5	2
Rent of town reserves (outstanding from 1892)	84	10	0	Insurance (Laboratory)	19	13	9
Rent of College lodge	60	0	0	Rates	181	19	7
College fees of students	367	3	9	Exhibitions (College)	140	0	0
Interest on capital	257	2	9	Contributions to School of Engineering—			
Sale of calendars	4	19	11	For scholarships	80	0	0
Laboratory fees and sale of apparatus.	10	17	2	For maintenance	300	0	0
Contributions towards salaries of Registrar and staff, and office expenses—				Special contributions	250	0	0
From Library	20	0	0	Special for testing machinery	250	0	0
From Boys' High School	80	0	0	Books for College library	16	6	8
From Girls' High School	70	0	0	Inspecting reserves and advertising	99	18	11
From School of Art	30	0	0	Repairs	20	12	6
From School of Engineering and Technical Science	30	0	0	Interest on loan (£12,000)	780	0	0
From Museum	50	0	0	Repairs to College lodge	16	5	0
From School of Agriculture	100	0	0	Expenses of music lectures	10	0	6
School of Engineering and Technical Science (rent of new building)	193	18	4	Drainage of Reserves 737 and 738	28	2	6
Boys' High School Account (refund rent of reserves)	10	0	0	Connections with main sewers	224	16	0
Student (replacing broken window)	0	6	3	Alterations to quadrangle and laboratory, gas-fittings for Board-room	219	5	1
Students' fines, College library	2	9	0	Inspection of Run 121, Reserve 1577	12	19	0
Sale of old iron	0	5	0	Exchange on cheques (transferred to Exchange Account)	2	0	1
Sale of text books	0	1	0	Magazine club (students' fines)	4	6	0
Jones and James's refund of cost of inspection of Run 121, Reserve 1577	12	19	0	Balance	325	4	5
Interest on current account	9	13	9				
	<u>£9,146</u>	<u>17</u>	<u>5</u>		<u>£9,146</u>	<u>17</u>	<u>5</u>
Balance, 1st Jan., 1894	£325	4	5				

College Fees of Professors Account.

<i>Receipts.</i>	£	s.	d.	<i>Expenditure.</i>	£	s.	d.
1893.				1893.			
To Students' fees	1,834	17	6	By Professor of Classics	267	4	6
Examination fees	101	17	0	Professor of English Literature	615	6	0
Fines	1	17	0	Professor of Mathematics	355	19	0
				Professor of Chemistry and Physics	190	1	0
				Lecturer on Law	53	11	0
				Examination fees paid to professors and lecturers	47	8	8
				Supervisors' fees and expenses	35	4	5
				Expenses of examinations	6	13	2
				College maintenance, transfer of balance	367	3	9
	<u>£1,938</u>	<u>11</u>	<u>6</u>		<u>£1,938</u>	<u>11</u>	<u>6</u>

School of Engineering and Technical Science Account.

<i>Receipts.</i>	£	s.	d.	<i>Expenditure.</i>	£	s.	d.
1893.				1893.			
To Balance	71	8	0	By Salaries	714	11	2
Grant from Museum, Library, and School of Technical Science Endowment Fund Account	623	18	4	College rent of new building	193	18	4
Grant from Museum, Library, and School of Technical Science Endowment Fund (special grant for machinery)	400	0	0	Scholarships	30	0	0
Grant from College	300	0	0	Contribution to Registrar's office expenses	30	0	0
Grants from College—				Gas	37	19	9
Special grant for maintenance	250	0	0	Incidentals	124	14	1
Special grant for scholarships	80	0	0	Machinery (grant from Endowment Fund)	19	15	0
Special grant for testing machinery	250	0	0	Transferred to Testing Machinery Account (grant from College Account)	250	0	0
Students' fees	113	6	6	Balance	713	13	5
Interest	25	18	11				
	<u>£2,114</u>	<u>11</u>	<u>9</u>		<u>£2,114</u>	<u>11</u>	<u>9</u>
Balance, 1st Jan., 1894	£713	13	5				

School of Engineering and Technical Science, Testing Machinery Account.

<i>Receipts.</i>	£	s.	d.	<i>Expenditure.</i>	£	s.	d.
1893.				1893.			
To Special grant from College Account (transferred from School of Engineering and Technical Science Account), 31st December, 1893	250	0	0	By Commission on letter of credit (£1,025) in favour of Buckton and Co.	5	2	6
	<u>£250</u>	<u>0</u>	<u>0</u>	Balance	244	17	6
	<u>£244</u>	<u>17</u>	<u>6</u>		<u>£250</u>	<u>0</u>	<u>0</u>
Balance, 1st Jan., 1894	£244	17	6				

Girls' High School, Capital Account.

<i>Receipts.</i>			<i>Expenditure.</i>		
£	s.	d.	£	s.	d.
To Balance, 1st Jan., 1893	4,806	16 4	By Inspecting securities	0	2 10
			Legal expenses	0	13 9
			Insurance (Saxton's estate)	0	9 5
			Balance	4,805	10 4
	<u>£4,806</u>	<u>16 4</u>		<u>£4,805</u>	<u>10 4</u>
Balance, 1st Jan., 1894	£4,805	10 4			

Girls' High School, Maintenance Account.

<i>Receipts.</i>			<i>Expenditure.</i>		
£	s.	d.	£	s.	d.
To Balance, 1st Jan., 1893	1,017	2 0	By Salaries	1,600	9 2
Interest on capital	260	10 9	Contribution to Registrar's office ex-		
Rent of reserves	313	5 4	penses	70	0 0
School fees	1,457	8 0	Insurance	14	14 5
Interest on investment of £900 (trans-			Rent of section (Cranmer Square)	54	0 0
ferred from Investment Account)	54	0 0	Rates	36	5 0
Interest on current account	44	18 9	Inspecting reserves	9	0 6
Executors of J Lane, refund of cost of			Examiners' fees	70	7 0
inspection and report on Reserve			Incidental expenses	193	19 7
2208	3	3 0	Scholarships and exhibitions	228	0 0
	<u>£3,150</u>	<u>7 10</u>	Balance	873	12 2
Balance, 1st Jan., 1894	£873	12 2		<u>£3,150</u>	<u>7 10</u>

Girls' High School, Investment Account.

<i>Receipts.</i>			<i>Expenditure.</i>		
£	s.	d.	£	s.	d.
1894.			By Balance, 1st Jan., 1893	900	0 0
To Rent of quarter-acre section (Cranmer	54	0 0	Interest on investment (transferred to	54	0 0
Square)			Maintenance Account)		
Balance	900	0 0		<u>£954</u>	<u>0 0</u>
	<u>£954</u>	<u>0 0</u>	Balance, 1st Jan., 1894	£900	0 0

Circulating Library, Maintenance Account.

<i>Receipts.</i>			<i>Expenditure.</i>		
£	s.	d.	£	s.	d.
To Balance, 1st Jan., 1893	740	14 10	By Salaries	465	12 10
Contribution from Museum, Library,			Contribution to Registrar's office ex-		
and School of Technical Science En-			penses	20	0 0
dowment Fund	850	0 0	Insurance	44	18 6
Subscriptions	757	12 0	Rates	33	4 7
Fines	12	13 8	Gas	107	9 9
Sale of catalogues, magazines, and waste			Fuel	17	6 1
paper	17	9 0	New books (Circulating Department)	177	18 4
Book detention fees	3	11 0	Renewal of standard works	42	3 5
Philosophical Institute (rent of room)	5	5 0	Reference Department (books and bind-		
Medical Society (rent of room)	3	3 0	ing)	67	0 1
Sale of "Grammar of Ornament"			Periodicals and English papers	64	19 8
(School of Art)	19	12 0	Colonial newspapers	37	6 8
Interest	39	7 10	Incidental expenses	114	17 2
	<u>£2,449</u>	<u>8 4</u>	Repairs	9	13 4
Balance, 1st Jan., 1894	£100	1 7	Quarterly catalogue	6	19 6
			Additions—		
			Surveying site	2	2 0
			Architect's fees	48	1 2
			Clerk of Works' salary	40	0 0
			Additions contract.	894	14 9
			Linoleum	35	16 11
			Alterations and additions to caretaker's		
			house	83	5 0
			Linoleum for Circulating Library	35	17 0
			Balance	100	1 7
				<u>£2,449</u>	<u>8 4</u>

Medical School, Reserves Account.

<i>Receipts.</i>			<i>Expenditure.</i>		
£	s.	d.	£	s.	d.
To Balance, 1st Jan., 1893	3,367	0 6	By Legal expenses	5	10 2
Rent of reserves	373	14 4	Balance	3,946	8 10
Interest	211	4 2			
	<u>£3,951</u>	<u>19 0</u>		<u>£3,951</u>	<u>19 0</u>
Balance 1st Jan., 1894	£3,946	8 10			

School of Technical Science, Capital Account.

<i>Receipts.</i>			<i>Expenditure.</i>		
£	s.	d.	£	s.	d.
To Balance, 1st Jan., 1893	19,929	16 7	By Refund for deficient acreage in sections purchased out of Reserve 1359	100	1 6
Amount received for excess acreage in sections purchased out of Reserves 1357 and 1359 ..	106	8 9	Inspecting securities	0	14 6
			Legal expenses	3	10 0
			Insurance (Saxton's estate)	2	7 8
			Balance	19 929	11 8
	<u>£20,036</u>	<u>5 4</u>		<u>£20,036</u>	<u>5 4</u>
Balance, 1st Jan., 1894	..	£19,929 11 8			

Museum, Library, and School of Technical Science Endowment Fund.

<i>Receipts.</i>			<i>Expenditure.</i>		
£	s.	d.	£	s.	d.
To Balance, 1st Jan., 1893	596	16 3	By Contributions—		
Rent of reserves	2,680	0 0	Museum	1,680	0 0
Interest on capital	1,326	8 1	School of Engineering and Technical Science	1,023	18 4
			Public Library ..	850	0 0
			School of Art	800	0 0
			Inspecting reserves	12	11 4
			Legal expenses	5	16 2
			Interest ..	74	14 0
			Balance	156	4 6
	<u>£4,603</u>	<u>4 4</u>		<u>£4,603</u>	<u>4 4</u>
Balance, 1st Jan., 1894	..	£156 4 6			

Museum, Maintenance Account.

<i>Receipts.</i>			<i>Expenditure.</i>		
£	s.	d.	£	s.	d.
To Contribution from Museum, Library, and School of Technical Science Endowment Fund	1,680	0 0	By Balance, 1st Jan., 1893	170	10 7
Balance	13	0 7	Salaries	895	6 8
			Books for Library	80	5 4
			Insurance	87	4 10
			Interest on loan (£2,000)	..	130 0 0
			Incidentals and exchanges	150	6 7
			Contribution to Registrar's office expenses	50	0 0
			Repairs ..	24	0 9
			Legal expenses	..	3 17 9
			Alterations to Maori house	62	5 0
			Desk cases	36	10 0
			Interest	2	13 1
	<u>£1,693</u>	<u>0 7</u>		<u>£1,693</u>	<u>0 7</u>
			Balance, 1st Jan., 1894	£13	0 7

Deposit Account.

<i>Receipts.</i>			<i>Expenditure.</i>		
£	s.	d.	£	s.	d.
To Withdrawal of deposit	1,050	0 0	By Balance, 1st Jan., 1893	1,050	0 0

Mortgage of Freeholds Account.

<i>Receipts.</i>			<i>Expenditure.</i>		
£	s.	d.	£	s.	d.
To M'Lachlan—Part repayment	800	0 0	By Balance, 1st Jan., 1893	78,867	19 6
Hanley, P.—Repayment	350	0 0			
McPhedran, D.—Part repayment	100	0 0			
Storry, A.—Repayment	6,000	0 0			
Nixon, J.—Repayment	3,500	0 0			
Gray H. F.—Repayment	2,500	0 0			
Sale of part of Burke's estate	50	0 0			
Balance	65,567	19 6			
	<u>£78,867</u>	<u>19 6</u>		<u>£78,867</u>	<u>19 6</u>
			Balance, 1st Jan., 1894	£65,567	19 6

Deposit Account of Contractors.

<i>Receipts.</i>			<i>Expenditure.</i>		
£	s.	d.	£	s.	d.
To Balance, 1st Jan., 1893	15	0 0	By Marriott, Thomas—Refund of deposit	15	0 0

Astronomical Department Account.

<i>Receipts.</i>			<i>Expenditure.</i>		
£	s.	d.	£	s.	d.
To Balance, 1st Jan., 1893	994	14 9	By Balance	1,016	19 9
Interest on deposit	22	5 0			
	<u>£1,016</u>	<u>19 9</u>		<u>£1,016</u>	<u>19 9</u>
Balance, 1st Jan., 1894	..	£1,016 19 9			

Astronomical Department, Deposit Account.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
To Withdrawal of deposit	444	14 9	By Balance, 1st Jan., 1893	444	14 9
Balance	1,016	19 9	Deposit in Bank of New South Wales.	1,016	19 9
	<u>£1,461</u>	<u>14 6</u>		<u>£1,461</u>	<u>14 6</u>
			Balance, 1st Jan., 1894	£1,016	19 9

Exchange Account.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
To Exchange added to cheques received	7	1 6	By Bank of New South Wales, exchange	11	1 8
Balance equally divided between Boys' High School and College Accounts (transfer) ..	4	0 2			
	<u>£11</u>	<u>1 8</u>		<u>£11</u>	<u>1 8</u>

Examined and found correct,
 JAMES EDWARD FITZGERALD,
 Controller and Auditor-General.

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