

1904.  
NEW ZEALAND.

# EDUCATION: THE CANTERBURY COLLEGE.

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

[In continuation of E.-8, 1903.]

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

*Visitor.*—The Minister of Education.

*Board of Governors* (Arthur Edgar Gravenor Rhodes, Chairman).

Appointed by His Excellency the Governor—The Right Rev. John Joseph Grimes, D.D., the Right Rev. Churchill Julius, D.D., and Mr. Charles Reid.

Elected by members of the Legislature—Mr. Harry Joseph Beswick, Rev. Robert Erwin, D.D., and Mr. George John Smith.

Elected by graduates—Very Rev. Canon Harper, M.A., Mr. Thomas Scholfield Foster, M.A., Mr. William Hugh Montgomery, Mr. George Warren Russell, Mr. Arthur Edgar Gravenor Rhodes, B.A., LL.B., and Mr. Charles Lewis.

Elected by public-school teachers—Mr. Thomas Hughes, B.A., Mr. Jonathan Charles Adams, and Mr. John George Lawrence Scott, B.A.

Elected by School Committees—Mr. Thomas William Adams, Mr. Charles Henry Adolphus Truscott Opie, and Mr. Benjamin Michael Moorhouse, M.B.C.M., M.R.C.S.

Elected by Professorial Board—Mr. William Izard, M.A., LL.M.

*Registrar*—Mr. Alexander Cracroft Wilson.

*Professors.*—Classics—F. W. Haslam, M.A. Mathematics and Natural Philosophy—C. H. H. Cook, M.A. Engineering and Electricity—Mr. R. J. Scott, M.I.C.E., M.I.M.E. Chemistry and Physics—W. P. Evans, M.A. Ph.D., Giessen. French and German—T. G. R. Blunt, M.A. Biology and Palæontology—Charles Chilton, M.A., D.Sc., M.B.C.M., F.L.S. English Language, Literature, and History—Arnold Wall, M.A.

*Part-time Lecturers.*—Geology—Robert Speight, M.A., B.Sc. Jurisprudence and Law—G. T. Weston, B.A., LL.B. Constitutional History—James Hight, M.A. Political Economy—James Hight, M.A. Mental Science—C. F. Salmond, M.A. Music—J. C. Bradshaw, Mus.Doc., F.R.C.O., L.R.A.M., A.R.C.M.

*School of Engineering and Technical Science.*—Professor in Charge—Robert J. Scott, M.I.C.E., M.I.M.E.

*Girls' High School.*—Lady Principal—Miss M. V. Gibson, M.A.

*Boys' High School.*—Headmaster—C. E. Bevan-Brown, M.A.

*Museum.*—Curator—Captain F. W. Hutton, F.R.S.

*School of Art.*—Headmaster—G. Herbert Elliott.

*Public Library.*—Librarian—A. Cracroft Wilson. Sub-librarian—H. Strong.

## ANNUAL STATEMENT OF THE CHAIRMAN OF THE BOARD OF GOVERNORS.

At the meeting of the Board of Governors of Canterbury College, held on the 30th March, 1904, the Chairman's statement of the progress made and work done in the several departments during the year was read as follows:—

[Some details are omitted in this reprint.—SECRETARY EDUCATION.]

The present is the thirty-first annual report and statement of the Chairman of the Board of Governors since the establishment of the institution in 1873, and the eighth since the passing of "The Canterbury College and Canterbury Agricultural College Act, 1896."

**BOARD OF GOVERNORS.**—Mr. A. E. G. Rhodes was again elected Chairman on the 6th July, 1903. The Hon. Mr. W. Montgomery resigned his seat on the Board in the month of April. The Board, by resolution, unanimously expressed their sense of the valuable services rendered by him to the institution since its inception in the year 1873, and as Chairman from October, 1875, to October, 1885. Mr. T. S. Weston resigned his seat on the Board in January, 1903. Mr. J. C. Adams was elected to fill the vacancy as representative of the teachers. Mr. John Lee Scott resigned his seat on the Board in June, and Dr. B. M. Moorhouse was elected to represent the School Committees on the Board in his place.

**GENERAL.**—The Hon. William Rolleston, a staunch supporter of education in all its various branches, has been lost to the colony by death during the year. Mrs. Macmillan Brown, for twelve years Lady Principal of the Girls' High School, died in the colony, and the Rev. Gordon Webster, formerly a member of the Board of Governors, died in Scotland.

"The New Zealand University Act Amendment Act, 1902," came into force on the 1st July. The Hon. Charles Christopher Bowen and Professor Robert Julian Scott were elected to represent the College on the Senate. The Canterbury District Court of Convocation elected as its representatives Messrs. J. Macmillan Brown, M.A., and James Hay, M.A.

Professor Parkin, of the University of Montreal, representing the trustees of the late Right Hon. Cecil Rhodes, met delegates of the New Zealand University, in Wellington, to discuss the best scheme for selecting scholars and as to the regulations to be adopted with respect to the proposed scholarships. Mr. William Izard kindly represented the Board of Governors on the occasion.

#### THE COLLEGE.

Dr. Dendy having resigned the chair of biology to take up the professorship of zoology at the Cape Colony University, Dr. Charles Chilton, D.Sc., M.B.C.M., was appointed to the vacant position. In February Mr. Robert Speight, M.A., B.Sc., was appointed Lecturer in Geology for the current year. The lecturers in all the other subjects were reappointed.

**NUMBER OF STUDENTS.**—The following table shows the number of matriculated and non-matriculated students who have attended lectures since the year 1898 to date :—

		Matriculation.	Non-matriculation.	Total.		Matriculation.	Non-matriculation.	Total.
1898	...	131	56	187	1901	...	148	220
1899	...	117	65	182	1902	...	151	225
1900	...	125	93	218	1903	...	167	249

The number of students attending each lecture during the last term of 1903 was as follows :—

*Classics.*—Pass Latin: Translation, 37; composition, 36. Greek: Translation, 2; composition, 2. Honours Latin, 5; pass Latin—teachers' class, 11.

*English Literature and Language.*—Pass Lectures: History and structure of the English language, 30; Anglo-Saxon and Middle English, 25; literature and set books, 35; essay class, 34. Honours Lectures: Anglo-Saxon and Middle English, 6; philology, 5; literature and set books, 5.

*English History.*—Pass history of England, 11; honours European history, 0.

*Mathematics.*—Pass pure mathematics, 60; pass mechanics and hydrostatics, 29; extra dynamics for engineering students, 18. Honours mathematics: Section I., 4; Section II., 11; Section III., 8; Section IV., 0. Honours elementary mechanics and hydrostatics, 3.

*Chemistry.*—Introductory, 16; pass, 26; elementary organic, 3; teachers' class, 3; Advanced Section I., 4; practical chemistry (elementary—in connection with introductory lecture), 5; practical chemistry (pass—general course), 33; practical chemistry (pass—teachers only), 4; practical chemistry (advanced), 2.

*Sound, Light, and Heat.*—Pass, 36; honours, 2. Practical: Pass, 23; honours, 0.

*Biology.*—General biology, 14; pass botany, 3; honours botany, 2; pass zoology, 6; honours zoology, 0; practical general biology, 12; pass practical botany, 3; practical botany (honours and research), 1; pass practical zoology, 5; practical zoology (honours and research), 0.

*French.*—Pass Lectures: Composition, 14; authors, 22; sight translation and grammar, 22; literature, 22; composition (teachers' class), 5. Honours Lectures: Composition, 13; authors, 0; essay and literature, 1; philology, 5; literature, 0.

*German.*—Composition I. and philology, 2; German books, 5; philology, 0; literature, 0; German for beginners, 2.

*Jurisprudence and Law.*—Pass jurisprudence, 15; honours jurisprudence, 3; law (equity), 6; Roman law, 3; international law, 3; evidence, 8; torts, 8; personal property, 5.

*Constitutional History.*—Pass, 14; honours, 3.

*Political Economy.*—Pass, 13; honours, 2.

*Mental Science.*—Pass, 7; honours, 3.

*Geology.*—Historical and physical geology (second year's course), 4; mineralogy and petrology (first year's course), 12; palæontology (first year's course), 8.

*Music.*—Rudiments of music (junior first-year students), 11; harmony (intermediate, second-year students), 13; harmony, counterpoint (senior third-year students), 11; history of music, 9; advanced harmony, counterpoint, &c., 1; form in composition, 4; ear-training and musical dictation, 10.

The number of candidates who entered for the various examinations of the Associated Board of the Royal Academy of Music and the Royal College of Music show a slight falling-off as compared with last year. There were seventy-eight candidates for the various theoretical examinations in June, of whom fifty-seven passed. The practical examinations were conducted in November, by Mr. John Langley; there were in all 209 candidates—1 for the teachers' diploma, 72 for the local centre, and 136 for the school examinations; of these, 41 local centre and 97 school were successful.

**SUCCESSFUL STUDENTS.**—The number of students who were recorded by the University as having passed in their respective examinations was: Honours and also degree of Master of Arts, 5. Bachelor of Arts—Final section, 11; first section, 16. Bachelor of Science—Final section, 4; first section, 3. Bachelor of Laws—Final examination, 3; second examination, 2; first examination, 2. Bachelor of Science in Engineering—Electrical, final examination, 1; mechanical, final examination, 1; mechanical or electrical, second examination (part of), 5; mechanical, first examination (completed), 9; mechanical, first examination (part of), 8.

Of the eight Senior Scholarships awarded by the University, four were gained by students of this College.

The John Tinline Scholarship, awarded by the University on the papers in English alone of the Senior Scholarship Examination, was awarded to an undergraduate of this College.

#### GIRLS' HIGH SCHOOL.

The school year has been, on the whole, uneventful, and, in consequence, salutary for purposes of steady work. The free places given at the Rangiora and Ashburton High Schools, and the district high schools opened in other centres, such as Lyttelton, Amberley, Southbridge, Darfield, and Kaiapoi, have slightly affected the attendance, but not so much as might have been anticipated, the roll for the third term of the year being 130, as against 140 for the same term in 1902 (which was unusually high), 127 in 1901, and 119 in 1900. The health of the staff and pupils has been generally excellent, and this in spite of the prevalence of somewhat serious epidemics in the city and suburbs during the winter and spring months.

Shortly after the beginning of the second term the school was visited by the Inspector-General of Schools, who expressed himself as satisfied with the general organization and arrangements.

The death of Mrs. Macmillan Brown in February last has removed one who took a deep interest in the higher education of girls, and to whom the school owes a special debt of gratitude. Mrs. Brown was a member of the teaching staff for over fifteen years—that is, from January, 1878 (shortly after its inception) until 1894—and for the last eleven years of this period she held the position of Lady Principal. It was under her control that the school was first properly organized as a training school for a future university career, and the main details of her organization are still in force. At the time of her death Mrs. Brown was president of the Old Girls' Association, and in other ways showed a continued interest in the welfare of the school.

Thirty-nine pupils have held scholarships, exhibitions, or free places at the school. Of these, twenty have received them from the Board of Governors, eighteen from the North Canterbury Board of Education, and one from the South Canterbury Education Board.

In the December University examinations, two pupils were awarded Junior University Scholarships, and two others were placed in the Credit List of the same examination, one being awarded a Gammack Scholarship. Eleven pupils were also entered for matriculation, and all were successful, one also passing the Medical Preliminary Examination.

In the examination for Senior Board of Education Scholarships, five out of the six scholarships were gained by pupils of this school. In the Junior Civil Service examinations one headed the list for the colony, while three other pupils who took this examination all passed successfully.

Notable successes of past pupils of the school during the year are the degrees of B.A. conferred on Maude Herriott, Rachel Kain, and Wilhelmina Sievwright; while Ada O'Callaghan gained an exhibition in mathematics at Canterbury College, and in the annual examination was awarded first-class honours in mathematics, a distinction which has not previously been gained by a lady student at Canterbury College.

#### BOYS' HIGH SCHOOL.

The roll-number at the end of the year was 229.

During the year 1903 fifty-nine pupils in all have held scholarships or free places at the Boys' High School, of whom thirteen held scholarships from the Board of Education, and forty-six held free places provided by our own Board of Governors. We had difficulty in filling up the latter, and during the year four holders of exhibitions left before their exhibitions had expired; in two instances the exhibitions had another eighteen months to run, and in the other two more than a term.

A memorial to old boys who fought in South Africa was erected in March last and unveiled by His Excellency the Governor. It contains the names of fifty-six who fought in South Africa, and underneath a brass commemorates the names of four who died in the war.

Mr. A. Merton has removed to Harewood Road, Papanui, and takes boarders there; he began the year with six boarders, but they were reduced to three by the end of the year. The house and grounds are excellently adapted for boarders, the air being good, the grounds extensive, and the distance the house is from the streets of the town is a distinct advantage.

The physical training system was modified at the beginning of 1903 by the partial introduction of the Sandow system. Complete measurements were taken at the beginning of the year and again at the end, and it was found that the average chest-measurement for the whole school had increased, for the normal chest,  $1\frac{1}{2}$  in., and for the expanded chest, 2 in. It may be added that two medical men, old boys, kindly examined the boys at the beginning of the year, and specially weak boys had exercises prescribed them suitable for their cases. The cadet corps went into camp this year for the first time, and the experience and training was very good for the boys. About seventy boys last year omitted Latin, and took commercial work and extra French or workshop, with a certain amount of European history. The commercial work has included *précis*, correspondence, commercial arithmetic, book-keeping, accountancy; and the elements of agriculture have been taught to those intending to be farmers. Shorthand and typewriting have been taught on Saturday mornings.

Another special prize has been given this year—viz., one by an old boy, Mr. A. R. Craddock, for woodwork.

Distinctions gained during the year are as follows: Among former pupils, C. J. A. Griffin obtained a Senior University Scholarship for Mathematics; S. S. D. Robertson, his M.A. degree; R. A. Campbell and S. Steele, the B.Sc. in Engineering; J. G. Lancaster, G. C. Mayne, and A. E. Currie won exhibitions at Canterbury College. Of present pupils, C. A. Cotton won a Junior University Scholarship; T. C. Smith, and T. E. Guthrie, passed the Medical Preliminary, and five boys passed Matriculation; one boy obtained a Senior Board of Education Scholarship.

## CHRISTCHURCH PUBLIC LIBRARY.

In view of the handsome donations given by Mr. Andrew Carnegie for library purposes in various parts of the world, it was deemed expedient to enter into communication with that gentleman and ascertain if any assistance could be obtained towards the funds of the Public Library. A full description of the institution was furnished and photographs forwarded, but success did not attend our application.

*Reference Department.*—The donations of books and pamphlets to this department during the past year number 257, while 475 volumes were added by purchase, making the total number of books on the shelves at the end of the year 14,845. More shelving for the books is urgently required. There have been no special changes in this department during the past year. A steady increase is noticeable in the number of visitors. A large number of books require rebinding as the result of the destructive action of the gas.

*Circulating Department.*—This department was closed for stock-taking from the 11th to the 16th January, when ninety-seven volumes were found to be missing. The majority of these will probably be returned. 1,132 volumes were added to this department during the year, making a total of 22,299 volumes on the shelves. Owing to a large number of volumes of fiction being in such a dilapidated condition that they were unfit for issue they had to be removed from the shelves, but those that are worth renewing will be replaced by new copies. The average number of subscribers during the year was 1,861. The numbers were no doubt affected by the prevalence in Christchurch of scarlet fever and the attendant fear of contagion through the circulation of the books. A new book-stack, capable of holding 2,000 volumes, has been placed in the library. The appearance of the subscribers' reading-room has been considerably improved by the hanging of several pictures and paintings which have been presented to the institution during the year, notable amongst which is a fine water-colour painting of a view in the vicinity of the Sutherland Fall from the head of Roaring Creek, painted and presented by the well-known local artist, Mr. S. H. Moreton. Ten additional magazines and papers have been ordered for the use of subscribers.

Mr. H. G. Ell has taken considerable trouble in collecting funds for the purchase of "Illustrations" to accompany the late E. J. Wakefield's work entitled "Adventure in New Zealand," 1839-1844, lithographed from original drawings. These have been presented to the public library through the efforts of Mr. Ell, and the thanks of the public are due to him.

*Reading-room.*—Three additional newspapers have been provided during the past year. Part of the gallery in the reading-room was set apart during the year for the exclusive use of lady readers. It is supplied with magazines and newspapers, and is open from 10 a.m. to 9 p.m. The facilities thus afforded have, however, not been availed of to the extent anticipated, the daily attendance so far having been very limited. It is a matter for deep regret that the papers and magazines have in some cases been mutilated, while others have been wholly removed.

## SCHOOL OF ENGINEERING, ELECTRICITY, AND TECHNICAL SCIENCE.

Report of the Professor in charge (Mr. Robert J. Scott, M.I.C.E., M.I.M.E.):—

*Students.*—During the year 201 students attended lectures, the hour attendances per week being 1,425, which gives an increase of 6 per cent. in students and 26 per cent. in hour attendances on the numbers for the previous year. There were forty-eight matriculated students taking the full course for the University degree or the associateship in engineering, this being an increase of 23 per cent. as compared with the number in 1902. In addition to these, nine College students taking the B.A., B.Sc., or medical courses attended lectures and laboratory work in electricity and magnetism at the School of Engineering.

*Results of Examinations.*—University examinations, 1902: Ten students passed part of the first examination for B.Sc. in Engineering; six completed the first examination; and two passed part of the second examination.

*Associateship of the School of Engineering.*—At the annual examination, 1903, the passes were, in electricity and magnetism, 5; advanced electricity, 1; freehand mechanical drawing, 13; descriptive geometry (advanced), 10; steam-engine (elementary), 10; elementary applied mechanics, 8; mechanical drawing (second year), 5; applied mechanics, 6; mechanics of machinery, 5; steam-engine (advanced), 7; strength of materials, 6; theory of workshop practice, 2; and elementary electrical engineering, 3. Two passed the final examination.

*Evening Students.*—Of the students attending evening lectures 118 passed satisfactory examinations, and certificates were awarded as follows: First Class—The steam-engine (elementary), 12; elementary applied mechanics, 10; elementary strength of materials, 1; mechanical drawing, Section I. 7, Section II. 2, Section III. 2; freehand mechanical drawing, Sections I. and II., 11; descriptive geometry and setting-out work, 12; elementary electricity, 4; electricity and magnetism, 1; advanced electrical engineering, 2. Second Class—The steam-engine (elementary), 13; elementary strength of materials, 1; mechanical drawing, Section I. 7, Section II. 4, Section III. 1; freehand mechanical drawing, Sections I. and II., 13; descriptive geometry and setting-out work, 7; theory of workshop practice, 3; advanced electricity, 1; elementary electrical engineering, 4.

*Testing in Engineering Laboratory.*—The tests conducted in the Engineering Laboratory during the year comprised a comprehensive test of the properties of certain coals for the Westport Coal Company; of overhead and other gear for the contractors of the Dunedin tramways, Messrs. Noyes Bros.; and sundry minor tests for several engineering firms and individuals.

*New Apparatus.*—Only a comparatively small quantity of apparatus was obtained during the year. This was chiefly electrical, and comprised voltmeters and ammeters, resistance-frames, &c.

*University Senate.*—The Board of Governors of Canterbury College, under the new University Act, elected the professor in charge as one of their representatives on the University Senate.

*Civil-engineering Course.*—The Board of Governors authorised the re-establishment of the civil-engineering course, contingent on the necessary funds being forthcoming.

#### MUSEUM.

Report of the Curator (Captain F. W. Hutton, F.R.S.):—

The Museum has made very good progress during the past year, and I would especially call attention to the Egyptian collection and to the Maori carvings. A new case has been placed in the Antiquity Room to hold the Egyptian things.

The hailstorm on the 27th January did a great deal of damage to the skylights, which had to be repaired at a considerable expense.

During the year exchanges have been sent to Professor Newton, of Cambridge; to Mr. S. W. Neate, Lord Ranfurly, Mrs. Cheeseman; and the Museums at Sydney, Albany, South Africa, Auckland, Wanganui, and Dunedin. Exchanges have been received from Professor Newton, Mr. S. W. Neate, Lord Ranfurly, Mrs. Cheeseman; and the Museums at Sydney, Wanganui, and Dunedin.

The guide-book has sold well, 158 copies having been disposed of. A new edition will be required before the end of next year.

The following are the principal additions to the collections during the year:—

*Natural History Collections.*—An emperor penguin and an Adelaide penguin, presented by the Antarctic Relief Expedition. Five pairs of horns from India, presented by Mr. J. O'B. Beckett. The skin of a bird of paradise (*Paradisea raggiana*), presented by Mr. J. W. Piper; and the skeleton of a European snipe, received in exchange.

*Archæological Collections.*—An Egyptian collection, consisting of 145, mostly of work collected by Professor Flinders Petrie, and a collection of thirty-one pieces of old Indian arms, both purchased. Palæolithic implements from India, presented by Mr. H. Seaton-Karr. A sword-stick of the eighteenth century, presented by Mr. D. McLachlan. Two bronze celts and a marble vase from Egypt, presented by the Curator.

*Ethnographical Collections.*—An old English dish, presented by Mr. Ell, M.H.R. The game of "The Reward of Merit," 1801, presented by Messrs. Ell, R. H. Rhodes, and G. Witty, Ms.H.R. An elephant-goad from India, presented by Lady Brown. A canoe from Savage Island; two lime-spoons from New Guinea; a carved boomerang; and seven small ivory carvings from Japan, purchased. A cannibal fork and chief's breastplate from Fiji; two bronze vessels from Arabia; a knife from Lapland; eight bone carvings from Alaska; two ivory carvings from Africa; and a prayer-wheel from Thibet, presented by the Curator. An old English bowl of lustre-ware; and two stone adzes from Rarotonga, received in exchange.

*New Zealand Collections.*—A Bounty Island shag, presented by Captain Bollons. A curlew sandpiper, presented by Mr. Edgar Stead. A blackfish (*Centrolophus britannicus*), presented by Mr. T. Clark. A Macquarie Island shag and a blade of baleen of *Balenoptera sibbaldi*, received in exchange. An old pistol-barrel, presented by Mr. H. C. Seymour.

*Maori Collections.*—Prow of the old war-canoe "Ruapuki," from Kapiti; centrepiece of a pataka, from Opotiki; carved figure, from the pa at Maketu; carved centre-post of a runanga-house at Tolago Bay; two carved panels, from the verandah of a whare; a shell-fish, from Rotorua; a bark pigeon-carrier; a ko; three flax belts; and a large stone pounder, all purchased. A stone mere, from the Chatham Islands, also purchased. A plain wooden box, presented by the Curator.

*Library.*—Besides the usual presentations from museums and scientific societies, the following additions have been made: The Century Dictionary, purchased; Beddard's "Book of Whales," and his "Structure and Classification of Birds," presented by the Curator.

#### SCHOOL OF ART.

Report of the Art Master (Mr. G. H. Elliott):—

As compared with 1902, the numbers in attendance were:—

1902.—First term—Morning, 27; afternoon, 1; evening, 203; Saturday, 138. Second term—Morning, 29; afternoon, 4; evening, 175; Saturday, 101. Third term—Morning, 29; afternoon, 2; evening, 155; Saturday, 87.

1903.—First term—Morning, 29; afternoon, 5; evening, 157; Saturday, 74. Second term—Morning, 30; afternoon, 3; evening, 144; Saturday, 92. Third term—Morning, 30; afternoon, 2; evening, 135; Saturday, 98.

*Drawing and Painting.*—This has comprised work from the antique, life, landscape, and still life, whilst all students have been encouraged also to take modelling as a help in the study of form. The standard of work has been well up to that of former years, especially in life and landscape. Less antique and still-life work have been done, as more attention is now being devoted to applied art work, such as repoussé and carving.

*Modelling, Moulding, and Casting.*—Work has been done from the cast (ornament and antique), from the life, a few busts, and from animal forms. It has been done in different kinds of relief, and in the round or full relief. A few students have modelled their ornaments preparatory to carving or repoussé, and it is to be hoped this practice will increase. There are still very few tradesmen attending, to whom this work would be of benefit, such as plasterers, carvers, &c.

*Wood and Stone Carving and Repoussé Work.*—The character of this work has been of a similar nature and standard to that of the previous year. Repoussé has been the more favoured work, comparatively few doing carving. There has on the whole been a greater desire and ambition to produce original designs, but there is still much room for improvement in this respect. It is desirable that other forms of applied art should be encouraged and practised, as embossed

leather, gesso, stencilling, enamelling, sgraffito, &c., and an endeavour will be made to introduce these.

*Painters and Decorators' Work.*—Notwithstanding the better facilities provided, the attendance has been less than in 1902. The youths, in this as well as in other branches of technical education, seem to allow the most trivial thing to interfere with their self-improvement in matters pertaining to their life-work. Some excellent work was done in glass-embossing panel-decoration, and grisaille work, while two students carried out full-size a wall-decoration (dado, filling, and frieze). The interest shown by the Painters' Union and Mr. Sey, one of the master painters, has again been very helpful to the class.

*Decorative Design.*—This class has again been very unsatisfactory in attendance, considering the important bearing it has on the work of so many of the students. Arrangement have, however, been made for conducting the work differently this year, with, I trust, better results.

*Geometry and Pattern-drawing for Tinsmiths.*—This class has been working for a little over a year, and though the last term there was a fall in the attendance, it has amply justified its existence. Similar to last year elementary plane and solid geometry were given, followed by application to trade requirements. The work in this branch has now been placed in charge of a qualified tradesman who has gone through the course of work given.

*Geometry and Perspective.*—There has again been a satisfactory attendance, especially in the former subject. The average attendance for the last three years has been—1901, 76; 1902, 96; 1903, 86.

*Architecture and Building-construction.*—In the latter subject the work and attendance have been thoroughly good, but not so much in the former. I have again to regret not being able to obtain a set of models, and would urge the necessity for these for lecture purposes and use by the students.

*Carpentry and Joinery.*—This class is co-ordinated with building-construction and geometry. It has done good useful work and been fairly well attended, the average on the roll for the year being sixteen. The Architects' Association gave a prize in this class, which was keenly competed for.

*Instruction to Teachers and Pupil-teachers.*—This work has comprised freehand, model, geometry, perspective, modelling in plasticine, brushwork, cardboard modelling, free arm and blackboard drawing and carving. The attendance has not been nearly so large as in 1902, as a large number of the teachers, having secured the minimum knowledge necessary, ceased to come. The arrangement was also unsatisfactory, compelling them to take two particular subjects if they wished their fees paid, instead of allowing them the choice of any two.

*Scholarships (Builders' Association).*—These were again competed for in December.

*State School Scholarships (Boys).*—At the beginning of the year scholarships were awarded to the head boy in drawing in fourteen district State schools having over 170 pupils.

*State School Scholarships (Girls).*—On the results of the annual competition seven scholarships were awarded to girls from State schools having not less than 400 pupils on the roll, and four to girls from schools having less than that number on the roll.

*Free Studentships.*—The seven studentships offered by the Board for annual competition on the past year's work were awarded as usual.

*Prizes.*—Prizes were presented by Messrs. Whitcombe and Tombs, A. W. Fielder, and W. Sey, and by the Architectural Association, the Tinsmiths' Union, and the Painters' Union, for competition in various subjects, and were all awarded.

*Local Examinations.*—The results were as follows:—Second-grade passes: Freehand, 74; model, 74; geometry, 7; perspective, 9; blackboard, 8. Full second-grade certificates, 3. Passes in other subjects: Brushwork—Advanced stage, 12; elementary stage, 24. Modelling in plasticine—Advanced stage, 5; elementary stage, 10. Modelling from cast in clay—Elementary antique, 2; elementary ornament, 8; first-grade geometry, 37; free-arm work for the standards, 11; cardboard modelling, 1; mensuration, 6. Tinsmiths' geometry and pattern-drawing—First year, 4; second year, 1. Building-construction—First year, 15; second year, 10; third year, 2. Carpentry and joinery—First year, 9. Architecture—History and design, 2. Decorative design—Elementary, 9; advanced, 2. Plant-form—First year, 3; second year, 1.

*City and Guilds of London Institute Examinations.*—Painters and decorators' work (ordinary grade).—One pass.

*Education Department of Great Britain* (late Science and Art Department, South Kensington).—*Examinations, 1903:* Freehand—First class, 0; second class, 2. Model—First class, 0; second class, 4. Blackboard—First class, 1; second class, 0. Light and shade—First class, 1; second class, 1. Design (elementary)—First class, 0; second class, 2. Memory drawing of plant-form—First class, 0; second class, 1. Drawing from life—First class, 1; second class, 2. Drawing from antique—First class, 0; second class, 1. Painting still life—First class, 1; second class, 0. Science geometry (elementary)—First class, 2; second class, 0. Building-construction—First class, 1; second class, 0.

*Prizes (Outside Competitions).*—Five prizes were offered for competition by the Canterbury Society of Arts.

*Annual Exhibition and Prize-distribution.*—These were held last February. The exhibition was opened and the prizes distributed by the Chairman of the Board, A. E. G. Rhodes, Esq.

*Gifts.*—Gifts have been made by the following, to whom our sincere thanks are given: Messrs. Whitcombe and Tombs, Mr. Sey, Mr. Peppler, Mr. W. Thompson, and Professor F. Brown (through the courtesy of Miss R. Dixon).







## CLASSICAL SCHOOL CAPITAL ACCOUNT.

<i>Receipts.</i>	£	s.	d.	<i>Expenditure.</i>	£	s.	d.
Balance, 1st January, 1903 .. ..	377	7	1	Balance 31st December, 1903 .. ..	377	7	1
Balance, 1st January, 1904 .. ..	£377	7	1				

## SUPERIOR EDUCATION CAPITAL ACCOUNT.

<i>Receipts.</i>	£	s.	d.	<i>Expenditure.</i>	£	s.	d.
College maintenance, transfer (31st December, 1903) .. ..	950	0	0	Balance, 1st January, 1903 .. ..	725	14	8
	£950	0	0	Balance, 31st December, 1903 .. ..	224	5	4
Balance, 1st January, 1904 .. ..	£224	5	4		£2950	0	0

## SCHOOL OF ENGINEERING, ELECTRICITY, AND TECHNICAL SCIENCE ACCOUNT.

<i>Receipts.</i>	£	s.	d.	<i>Expenditure.</i>	£	s.	d.
Contributions from Museum, Library, and School of Technical Science Endowment—				Balance, 1st January, 1903 .. ..	159	7	7
For maintenance .. ..	618	18	4	Salaries .. ..	1,638	16	8
Towards salary of lecturer on electrical engineering .. ..	150	0	0	Rent of building (College) .. ..	193	18	4
Towards current expenses of electrical laboratory .. ..	150	0	0	Exhibitions .. ..	40	0	0
Contributions from superior education reserves (College)—				Contribution towards expenses of Registrar's office .. ..	60	0	0
For maintenance and exhibitions .. ..	590	0	0	Gas .. ..	89	17	9
Towards salary of lecturer on electrical engineering .. ..	150	0	0	Insurance .. ..	40	5	3
Towards current expenses of electrical laboratory .. ..	150	0	0	Printing and stationery .. ..	40	4	7
Students' fees .. ..	1,008	0	0	Advertising .. ..	18	6	8
Students' fines .. ..	1	16	0	Fuel (coal and gas) .. ..	40	13	4
Government grant for technical classes .. ..	208	17	9	Laboratory stores .. ..	34	2	10
Testing fees (share of) .. ..	18	18	0	Cleaning machinery .. ..	100	2	3
Interest .. ..	2	3	10	Experimental work and apparatus—			
	£3,048	13	11	Applied mechanics and mechanical engineering .. ..	112	10	10
Balance, 1st January, 1904 .. ..	£115	10	0	Electricity and electrical engineering laboratory .. ..	196	6	11
				Stores and chemicals .. ..	31	5	6
				Upkeep of plant and general repairs to machinery .. ..	74	16	7
				General expenses—			
				Books .. ..	8	5	8
				Telephone exchange .. ..	8	0	9
				Subscriptions to scientific papers .. ..	11	0	6
				Oak frames .. ..	5	7	6
				Rehanging blackboards .. ..	3	8	6
				Telegrams .. ..	1	8	5
				Expenses of Chairman and Professor-in-charge to Wellington .. ..	10	4	0
				Sundries .. ..	5	9	0
				Extension of electric lighting .. ..	59	4	6
				Balance .. ..	115	10	0

## GIRLS' HIGH SCHOOL CAPITAL ACCOUNT.

<i>Receipts.</i>	£	s.	d.	<i>Expenditure.</i>	£	s.	d.
Balance, 1st January, 1903 .. ..	5,002	8	1	Balance, 31st December, 1903 .. ..	5,002	8	1
Balance, 1st January, 1904 .. ..	£5,002	8	1				

## GIRLS' HIGH SCHOOL MAINTENANCE ACCOUNT.

<i>Receipts.</i>	£	s.	d.	<i>Expenditure.</i>	£	s.	d.
Balance, 1st January, 1903 .. ..	235	12	1	Salaries .. ..	1,582	12	0
School fees .. ..	1,527	15	0	Contribution towards expenses of Registrar's office .. ..	60	0	0
Interest .. ..	228	16	2	Insurance .. ..	10	19	5
Proceeds from cooking class .. ..	12	17	3	Inspecting reserves .. ..	7	3	1
Government grant for technical classes .. ..	35	11	2	Examiners' fees .. ..	30	17	0
Extra fees for gymnastic classes .. ..	7	8	0	Scholarships and exhibitions .. ..	245	0	0
Rent of reserves .. ..	288	7	2	Repairs .. ..	6	14	11
	£2,336	6	10	Expenses of cooking class .. ..	13	2	8
Balance, 1st January, 1904 .. ..	£164	11	11	Fuel .. ..	10	0	2
				Advertising .. ..	34	17	2
				Prizes .. ..	19	19	0
				Printing, stationery, and books .. ..	50	19	9
				General expenses—			
				Expenses of speech night .. ..	7	11	0
				Attending to clocks .. ..	2	7	0
				Desks, forms, and fittings .. ..	2	19	6
				Washing, cleaning, and appliances .. ..	7	18	10
				Music and tuning piano .. ..	3	0	0
				Bicycle-shed .. ..	9	0	0
				Sundries .. ..	5	5	11
				Grant in aid to boardinghouse .. ..	50	0	0
				New sewing-machine .. ..	10	2	6
				Emily Foster Memorial Prize .. ..	1	5	0
				Balance .. ..	164	11	11

## PUBLIC LIBRARY CAPITAL ACCOUNT.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
Balance, 1st January, 1903 .. ..	2,000	0 0	Public Library maintenance transfer .. ..	333	11 6
			Balance, 31st December, 1903 .. ..	1,666	8 6
	<u>£2,000</u>	<u>0 0</u>		<u>£2 000</u>	<u>0 0</u>
Balance, 1st January, 1904 .. ..	£1,666	8 6			

## PUBLIC LIBRARY MAINTENANCE ACCOUNT.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
Contribution from Museum, Library, and School of Technical Science Endowment Fund .. ..	563	0 0	Balance, 1st January, 1903 .. ..	889	1 5
Subscriptions .. ..	939	3 6	Salaries .. ..	741	2 0
Subscriptions—country subscribers .. ..	4	4 0	Contribution towards expenses of Registrar's office .. ..	30	0 0
Fines .. ..	23	15 6	Insurance .. ..	46	5 9
Sale of catalogues .. ..	16	12 0	Gas .. ..	133	11 8
Sale of magazines .. ..	7	1 6	Fuel .. ..	32	6 3
Reserving fees .. ..	6	10 0	Subscriptions to colonial newspapers .. ..	48	3 6
Revenue from "James Gammack" Trust .. ..	600	0 0	Repairs .. ..	22	4 9
Interest on mortgages of £2,000 ("A. Postle" bequest) .. ..	79	3 0	Legal expenses .. ..	2	4 6
Maintenance Account .. ..	15	17 0	Printing, stationery, and advertising .. ..	37	5 10
Government subsidy (parliamentary grant) .. ..	19	11 0	General expenses—		
Public Library Capital Account—Repayment of amount advanced in 1900 to complete purchase of Pihl's mortgages (Postle bequest) .. ..	333	11 6	Altering desks, shelving, &c. .. ..	7	19 10
Balance .. ..	430	6 10	Attending clocks .. ..	2	2 0
			Ironmongery .. ..	6	16 11
			Cleaning and appliances .. ..	8	17 7
			Removing rubbish .. ..	5	19 0
			Sundries .. ..	17	14 7
			"James Gammack" Trust—		
			New books for circulating library .. ..	235	10 9
			Renewal of standard works .. ..	54	13 8
			Periodicals and English newspapers .. ..	115	5 7
			Binding books (circulating library) .. ..	66	5 3
			("A. Postle" Trust)—		
			Books and binding (reference library) .. ..	79	3 0
			Reference library—books and binding (Maintenance Account) .. ..	132	17 6
			New building loan—interest on £4,000 at 4½ per cent. .. ..	180	0 0
			Library cabinet .. ..	23	15 7
			Interest .. ..	44	16 11
			New guttering .. ..	10	10 0
			Ladies' gallery—furnishing, &c. .. ..	64	2 0
	<u>£3,038</u>	<u>15 10</u>		<u>£3,038</u>	<u>15 10</u>
			Balance, 1st January, 1904 .. ..	£430	6 10

## MEDICAL SCHOOL RESERVES ACCOUNT.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
Balance, 1st January, 1903 .. ..	3,455	4 2	Contribution towards salary of Professor of Biology .. ..	300	0 0
Rent of reserves .. ..	436	10 0	Contribution towards expenses of Registrar's office .. ..	10	0 0
Interest .. ..	138	18 11	Inspection of reserves .. ..	8	18 11
			Printing .. ..	0	11 4
			Fencing on reserves .. ..	14	8 8
			Expenses connected with proposed planting .. ..	1	0 11
			Balance .. ..	3,695	13 3
	<u>£4,030</u>	<u>13 1</u>		<u>£4,030</u>	<u>13 1</u>
Balance, 1st January, 1904 .. ..	£3,695	13 3			

## MUSEUM, LIBRARY, AND SCHOOL OF TECHNICAL SCIENCE CAPITAL ACCOUNT.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
Balance, 1st January, 1903 .. ..	18,941	8 4	Balance, 31st December, 1903 .. ..	18,941	8 4
Balance, 1st January, 1904 .. ..	£18,941	8 4			

## MUSEUM, LIBRARY, AND SCHOOL OF TECHNICAL SCIENCE ENDOWMENT FUND.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
Balance, 1st January, 1903 .. ..	1,128	17 4	Contributions to—		
Rent of reserves .. ..	3,055	0 0	Museum .. ..	1,225	0 0
Interest .. ..	877	1 3	School of Engineering, &c. .. ..	918	18 4
			Public Library .. ..	563	0 0
			School of Art .. ..	600	0 0
			Inspection of reserves .. ..	14	7 2
			Legal expenses .. ..	6	12 2
			Printing .. ..	0	11 4
			Expenses connected with the sale of leases of pastoral runs .. ..	18	0 0
			Balance, 31st December, 1903 .. ..	1,714	9 7
	<u>£5,060</u>	<u>18 7</u>		<u>£5,060</u>	<u>18 7</u>
Balance, 1st January, 1904 .. ..	£1,714	9 7			

MUSEUM ACCOUNT.

[illegible]

## MUSEUM GUIDE-BOOK SINKING FUND.

<i>Receipts.</i>			<i>Expenditure.</i>		
		£ s. d.			£ s. d.
Balance, 1st January, 1903	..	20 0 0	Balance, 31st December, 1903	..	30 0 0
Amount transferred from Museum Account	..	10 0 0			
		<u>£30 0 0</u>			<u>£30 0 0</u>
Balance, 1st January, 1904	..	£30 0 0			

ASTRONOMICAL OBSERVATORY ACCOUNT.

<i>Receipts.</i>				£	s.	d.	<i>Expenditure.</i>				£	s.	d.
Balance, 1st January, 1903	..	..	..	350	4	2	Balance, 31st December, 1903	..	..	..	364	8	11
Interest	..	..	..	14	4	9							
				<u>£364</u>	<u>8</u>	<u>11</u>					<u>£364</u>	<u>8</u>	<u>11</u>
Balance, 1st January, 1904	..	..	..	£364	8	11							

EMILY FOSTER MEMORIAL ACCOUNT.

<i>Receipts.</i>			<i>Expenditure.</i>		
	£	s. d.		£	s. d.
Balance, 1st January, 1903 .. ..	64	18 4	Balance, 31st December, 1903 .. ..	66	16 9
Interest, to 31st December, 1902, Post-Office Savings-Bank .. ..	1	18 5			
	<u>£66</u>	<u>16 9</u>		<u>£66</u>	<u>16 9</u>
Balance, 1st January, 1904 .. ..	£66	16 9			

STATEMENT OF BALANCES AT 31ST DECEMBER.

[illegible]

STATEMENT OF BALANCES AT 31ST DECEMBER—*continued.*

<i>Bank and Investments.</i>							£	s.	d.	£	s.	d.
Drawing Account .. .. .	..	..	..	..	..	..	11,481	0	11			
Less outstanding cheques .. .. .	..	..	..	..	..	..	313	3	1			
										11,167	17	10
Cash in hand .. .. .	..	..	..	..	..	..				3	11	1
Mortgages of freeholds .. .. .	..	..	..	..	..	..				19,483	11	6
Mortgages of freeholds (Public Library) .. .. .	..	..	..	..	..	..				1,666	8	6
City Council debentures .. .. .	..	..	..	..	..	..				400	0	0
Post-Office Savings-Bank deposit .. .. .	..	..	..	..	..	..				66	16	9
										£32,788	5	8
<i>Liabilities.</i>												
Bank of New South Wales (No. 2 Account) .. .. .	..	..	..	..	..	..				10,834	0	0
Public Library scrip .. .. .	..	..	..	..	..	..				98	10	2
Canterbury Agricultural College (award) .. .. .	..	..	..	..	..	..				5,300	0	0
Public Trust Department (loan) .. .. .	..	..	..	..	..	..				4,000	0	0
Hon. E. C. J. Stevens (section, Hereford Street) .. .. .	..	..	..	..	..	..				2,000	0	0
Emily Foster Memorial Fund .. .. .	..	..	..	..	..	..				66	16	9
										£22,299	6	11

Canterbury College, 12th January, 1904.

Examined and found correct, except as to the payment of £100 interest on purchase-money of Hereford Street sections, the purchasing of the property mortgaged not being a transaction authorised by law.

J. K. WARBURTON,  
Controller and Auditor-General.

*Approximate Cost of Paper.*—Preparation, not given; printing (1,605 copies), £9 18s.

By Authority: JOHN MACKAY, Government Printer, Wellington.—1904.

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