

Conservator of Forests, 3rd grade, on the reorganisation of the superior staff of Forest officers, from 3rd September, 1882; arrived in India 11th December, 1882; reported arrival at Allahabad on the 16th December, 1882, and posted to the Dehra Dún Division of the School Circle, to assist Mr. Fisher, and to take part in the theoretical course of instruction at the Forest School, 22nd December, 1882; promoted to be Assistant Conservator, 2nd grade, with effect from 18th October, 1882.

1882. **AWDRY GEORGE HOBART-HAMPDEN.**—(Born 29th March, 1858.)—Appointed by Her Majesty's Secretary of State for India as Assistant Conservator of Forests, 3rd grade; arrived in India (Allahabad), 16th December, 1881; posted to the Dehra Dún Division of the School Circle, where he took charge on 2nd January, 1882; on the reorganisation of the superior staff of Forest officers, appointed to be an Assistant Conservator of Forests, 3rd grade, from 3rd September, 1882; transferred from the Dehra Dún Division to the charge of the Ganges Division of the Central Circle, 26th February, 1883; transferred to the charge of the Sahāranpur Division of the School Circle, 16th March, 1883; transferred to the charge of the Tons Division, 26th June, 1883; promoted to be Assistant Conservator, 2nd grade, from 18th October, 1883; transferred from the School to the Oudh Circle as a temporary arrangement, 7th December, 1883.

THIRD GRADE.

1878. **ALEXANDER CAMPBELL.**—(Born 8th October, 1855.)—Joined the service as officiating Presidency Sub-Assistant Conservator of Forests, 19th February, 1878; confirmed as Sub-Assistant Conservator, 29th May, 1879; officiating Assistant Conservator, 3rd grade, 1st April, 1881; appointed an Assistant Conservator of the 3rd grade, *sub. pro tem.* 24th April, 1883; confirmed as an Assistant Conservator of the 3rd grade, from 28th September, 1883; transferred from the Gorakhpur Division of the Oudh Circle to the charge of the Rānikhet Division of the Central Circle, 26th September, 1883.

SUB-ASSISTANT CONSERVATORS.

1878. **B. A. REBSCH.**—(Born 28th October, 1855.)—Joined the service as officiating Presidency Sub-Assistant Conservator of Forests, 11th May, 1878; confirmed as Sub-Assistant Conservator, 29th May, 1879; passed the departmental examination by the higher standard in Vernacular, 5th January, 1882; officiating Assistant Conservator of Forests, 3rd grade, 1st June, 1882.

1872. **R. J. P. PINDER.**—(Born 8th October, 1844.)—Joined the service as officiating Forest Ranger, 2nd grade, Panjāb, 15th May, 1872; confirmed in that appointment 25th October, 1872; promoted to be Forest Ranger, 1st grade, 4th June, 1874; *privilege leave from 1st December, 1875 to 29th February, 1876, and from 4th May to 3rd June, 1877; leave on medical certificate from 6th November, 1877 to 31st March, 1879; resumed charge as Forest Ranger, 1st grade, Panjāb, 1st April, 1879; officiating Sub-Assistant Conservator of Forests, 3rd April, 1879; transferred to the North-Western Provinces and Oudh Forests Circle, 4th October, 1879; joined the Bahraich Division, 18th October, 1879; confirmed as Sub-Assistant Conservator of Forests, 1st November, 1879; special leave on private affairs, without pay, from 26th June to 4th November, 1880; resumed charge of his office, as Sub-Assistant Conservator of Forests, in charge of the Bahraich Division, Oudh Circle, 5th November, 1880; leave to Europe on medical certificate from August, 1882 to 18th May, 1883; on return from leave, posted to the Kheri Division of the Oudh Circle, as a temporary arrangement, 19th May, 1883; officiating Assistant Conservator of Forests, 3rd grade 19th May, 1883; transferred to the charge of the Bahraich Division, 4th July, 1883; retransferred to the Kheri Division, 12th September, 1883; appointed to the charge of the Gorakhpur Division, 26th September, 1883.*

1878. **J. S. BATTIE.**—(Born 12th June, 1859.)—Joined the service as a Forest Ranger, on a salary of Rs. 50 per mensem, 14th November, 1878; officiating Sub-Assistant Conservator of Forests, 24th May, 1879; confirmed as a Sub-Assistant Conservator, 1st November, 1879; passed the departmental examination by the lower standard in Vernacular, 5th January, 1882; passed the departmental examination by the higher standard in Vernacular, 18th January, 1882; transferred from the Bahraich Division to the charge of the Kheri Division, Oudh Circle, 4th July, 1883; officiating Assistant Conservator of Forests, 3rd grade, 16th August, 1882.

1879. **KANHAIYA LĀL.**—(Born 1st April, 1834.)—Appointed temporarily as Superintendent of the Bahramghāt Timber Depôt, 1st July, 1879; * confirmed as Super-

* Previous to 1st July, 1879, Kanhaiya Lāl was holding non-gazetted appointments under Government.

intendent of Babramghat Timber Depot and Saw Mills with the designation of Sub-Assistant Conservator of Forests, 1st April, 1881; passed the departmental examination by the higher standard in Vernacular, 18th January, 1883; passed by the lower standard in surveying in 1883.

1872. KARUNA NIDHAN MUKARJI.—(Born 2nd September, 1850.)—Joined the service as a Sub-Surveyor Forest Survey Department, on a salary of Rs. 40 per mensem, 5th December, 1872; gradually rose to be a Sub-Surveyor on Rs. 90 per mensem, and served in that capacity till the 31st October, 1879, when he was transferred to the Forest Department School Circle, as a probationer; appointed to be Sub-Assistant Conservator of Forests, School Circle, 18th January, 1883; *privilege leave from 9th February to 25th March, 1883*; posted to the Dehra Dún Division of the School Circle, 26th March, 1883.

OFFICERS HOLDING SPECIAL APPOINTMENTS IN THE FOREST DEPARTMENT.

DEPUTY DIRECTOR OF THE FOREST SCHOOL.

1872. WILLIAM ROGERS FISHER, B.A.—(Born 24th February, 1846.)—Appointed by Her Majesty's Secretary of State for India, as Assistant Conservator of Forests, 3rd grade, 28th September, 1872; arrived in India, 16th December, 1872; promoted to Assistant Conservator of Forests, 2nd grade, 25th September, 1875; *privilege leave from 26th April to 13th May, 1877*; officiating Assistant Conservator of Forests, 1st grade, 21st May, 1877; *privilege leave from 15th September to 14th December, 1878*; confirmed as Assistant Conservator of Forests, 1st grade, 1st April, 1880; officiating Deputy Conservator, 4th grade, 18th October, 1880; reverted to Assistant Conservator, 1st grade, 11th January, 1881; appointed Deputy Director of Forest School, Dehra Dún, on a salary of Rs. 600 rising by five annual increments to Rs. 800 per month and to rank as Deputy Conservator, 13th April, 1881; on the reorganisation of the superior staff of Forest officers, appointed to be Deputy Director of the Forest School, Dehra Dún, on a salary of Rs. 700 rising to Rs. 900 by five annual increments, 3rd September, 1882.

PROFESSOR OF NATURAL SCIENCES AT THE FOREST SCHOOL.

1870. H. S. F. WARTH, D.S.N.—(Born 26th February, 1842.)—Joined the service as Chemical Analyst, Salt Department, on duty at salt mines on a salary of Rs. 400 per mensem, 1st December, 1870; appointed Deputy Collector, Kheadra, 19th November, 1871; *privilege leave from 19th June to 18th August, 1874*; appointed Collector of Customs, 2nd grade, Sháhpur, 19th October, 1874; *leave on medical certificate from 19th May to 15th September, 1875*; resumed charge as Collector of Customs; Sháhpur, 16th September, 1875; *subsidiary leave from 19th to 30th April, 1876*; *furlough to Europe from 1st May, 1876 to 31st January, 1877*; *subsidiary leave from 1st to 14th February, 1877*; resumed charge as Collector of Customs, Sháhpur, 15th February, 1877; promoted to be Collector of Customs, 2nd grade, 25th May, 1877; services temporarily placed at the disposal of Public Works Department, 1st November, 1878; appointed to the Panjáb Northern State Railway, 23rd November, 1878; services placed at the disposal of the Department of Finance and Commerce, 14th August, 1879; transferred to the Forest Department, 16th November, 1879; appointed a Sub-Assistant Conservator of Forests, School Circle, North-Western Provinces, but officiating Assistant Conservator of Forests, 1st grade, and posted as Instructor to Forest School, Dehra Dún, 10th December, 1879; promoted to be Assistant Conservator of Forests, 1st grade, 1st April, 1881; *granted 76 days' privilege leave from 1st April, 1882*; on the reorganisation of the superior staff of Forest officers appointed to be Professor of Natural Science at the Forest School, Dehra Dún, on a salary of Rs. 600 rising to Rs. 800 by five annual increments, from 3rd September, 1882; *privilege leave for 2½ months from 18th April, 1883*.

DEPUTY SUPERINTENDENT OF FOREST SURVEYS.

1861. W. H. REYNOLDS.—(Born 20th February, 1843.)—Joined the service as Sub-Assistant Revenue Surveyor, Derajit Revenue Survey, on a salary of Rs. 75 per mensem, 14th March, 1861; promoted to the rank of Assistant Surveyor, 1st January, 1862; gradually rose to Assistant Surveyor, 1st grade, 1st January, 1868; *privilege leave from 2nd to 31st January, 1868*; was employed on special duty at Cashmire from 13th July to 31st December, 1870; transferred to the Forest Department as Assistant Conservator of Forests, 3rd grade, 1st January, 1871; promoted to Assistant

Conservator, 2nd grade, 20th July, 1872; *privilege leave from 4th June to 3rd July, 1874*; officiating Superintendent of Forest Surveys, 13th July, 1874; reverted to Assistant Conservator, 2nd grade, 25th November, 1874; promoted to Assistant Conservator, 1st grade, 13th October, 1876; *privilege leave from 31st May to 29th August, 1878*; Deputy Superintendent of Forest Surveys, 1st September, 1878; officiating Deputy Conservator, 3rd grade, 29th March, 1879; confirmed as Deputy Conservator, 3rd grade, 5th July, 1880; reappointed Deputy Superintendent, Forest Surveys, and rank as Deputy Conservator of Forests, on a salary of Rs. 700 per month, 1st March, 1881; *privilege leave from 5th May to 4th August, 1882*; on the reorganisation of the superior staff of Forest officers, appointed to be Deputy Superintendent of Forest Surveys, on a salary of Rs. 600 rising to Rs. 800 by five annual increments, from 3rd September, 1882; *subsidiary leave from 2nd to 6th June, 1883*; *furlough to Europe for seven months from 7th June, 1883*.

SUPERINTENDENT, WORKING PLANS BRANCH.

1873. E. E. FERNANDEZ.—(Born 11th November, 1849.)—Joined the service as an Assistant Conservator of Forests, under covenant with Her Majesty's Secretary of State for India, 27th September, 1873; arrived in India, 16th October, 1873; appointed Assistant Conservator of Forests, 3rd grade, and posted to the Central Provinces, 5th December, 1873; promoted to Assistant Conservator, 2nd grade, 12th April, 1876; officiated in the first grade of Assistant Conservators from 18th February to 4th December, 1878, and from 22nd January, 1879 to 28th March, 1880; confirmed as Assistant Conservator, 1st grade, 1st April, 1880; passed the examination in Hindustani by the higher standard, 10th April, 1880; transferred to North-Western Provinces, 22nd December, 1880; posted to the Forest School Circle, Ajmir, 30th December, 1880; officiated as Deputy Conservator, 2nd grade, from 30th June to 8th November, 1881; on the reorganisation of the superior staff of the Forest officers appointed to be Superintendent of Working Plans Branch on a salary of Rs. 600 rising to Rs. 800 by five annual increments, from 3rd September, 1882.

MISCELLANEOUS APPOINTMENTS.

SUPERINTENDENT, BOTANICAL GARDENS.

1876. J. F. DUTHIE, B.A. Uncovenanted.—(Born 12th May, 1845.)—Joined the service as Superintendent of the Botanical Gardens at Sahāranpur on full salary of Rs. 700 per mensem, having been appointed direct by the Secretary of State, 11th December, 1876; admitted to the more favourable leave rules sanctioned for the higher classes of the uncovenanted service, February, 1880; *subsidiary leave from 18th to 23rd April, 1880*; *leave to Europe on urgent private affairs from 24th April to 17th October, 1880*; *subsidiary leave from 18th to 25th October, 1880*; resumed charge of his appointment as Superintendent, Botanical Gardens, Sahāranpur, 26th October, 1880; was deputed to the Forest School at Dehra Dūn as Lecturer of Botany on an *honorarium* of Rs. 1,400, July, 1881; left Sahāranpur for Dehra on the forenoon of 14th July, 1881; resumed charge of his office at Sahāranpur, 17th September, 1881.

SUPERINTENDENT, GOVERNMENT PRESS, AND CURATOR OF GOVERNMENT BOOKS.

1857. LIEUTENANT-COLONEL CHARLES ALBERT DODD, BENGAL STAFF CORPS.—(Born 4th August, 1840.)—Joined the service as Ensign, 12th November, 1857; arrived in India and posted to Her Majesty's 23rd Royal Welsh Fusiliers, 12th November, 1857; appointed to do duty with the Oudh Military Police, 4th November, 1858; posted to 74th Native Infantry, 1859; appointed to officiate as Assistant Chief of Police, February, 1860; was employed on special duty at Lucknow, in clearing off the advances made to the Oudh Police on its first organisation, some time in 1860, the exact date of which cannot now be ascertained; admitted to Staff Corps, 18th February, 1861; appointed Personal Assistant to the Inspector-General of Police, North-Western Provinces, 15th March, 1861; appointed to be District Superintendent of Police of the then 3rd grade on Rs. 500, continuing to act as Personal Assistant to the Inspector-General of Police, North-Western Provinces, 7th August, 1861; Lieutenant, 1st January, 1862; officiating District Superintendent of Police, 2nd grade, continuing to act as Personal Assistant, 1st August, 1863; *leave in India on private affairs from 11th April to 9th October, 1865*; resumed charge as Personal Assistant to the Inspector-General of Police, North-Western Provinces, 13th October, 1865; promoted to be a District Superintendent of Police of the 3rd grade on

Rs. 600 per month, continuing to act as Personal Assistant to Inspector-General of Police, 24th October, 1866; officiating District Superintendent of Police, 2nd grade, continuing to act as Personal Assistant, 8th February, 1869; services placed temporarily at the disposal of the Government of India, Home Department, for employment as Secretary to the Committee assembled at Calcutta to revise the forms of police statistics, February, 1869; left for Calcutta, 11th February, 1869; returned to Allahabad and resumed charge of his office as Personal Assistant, 4th March, 1869; *privilege leave from 27th April to 1st June, 1869*; officiating Superintendent, Government Press, and Curator of Government Books, North-Western Provinces, 7th April, 1870; appointed to be an Honorary Magistrate, and invested with full powers of a Magistrate, to be exercised within the precincts of the Government Press at Allahabad and the neighbouring Christian village, 27th April, 1870; confirmed in the appointment of Superintendent, Government Press, and Curator of Government Books, North-Western Provinces, 1st December, 1871; *privilege leave from 24th August to 23rd October, 1872*; *subsidiary leave from 25th April to 4th May, 1873*; *leave to Europe on urgent private affairs from 5th May to 25th February, 1874*; *subsidiary leave from 26th February to 1st March, 1874*; resumed charge of his appointment as Superintendent, Government Press, and Curator of Government Books, North-Western Provinces, 2nd March, 1874; *privilege leave from 25th May to 18th June, 1876, and from 19th May to 5th August, 1877*; absent without leave from 6th August to 21st September, 1877; exempted from the consequences of overstaying his leave, and reinstated in his appointment of Superintendent, Government Press, and Curator of Government Books, North-Western Provinces and Oudh, 22nd September, 1877; *privilege leave from 1st September to 31st October, 1879, and from 28th August to 27th November, 1882*; absent without leave from 28th November to 1st December, 1882; resumed charge of his office, 2nd December, 1882; under Section 8, Act I of 1882, appointed to be Superintendent of Emigration for the North-Western Provinces and Oudh with effect from 1st January, 1883; and invested with the powers described in sections 12 and 23 of that Act, January, 1883; promoted to be Lieutenant-Colonel from 4th October, 1883.

WAR SERVICES. Joined Her Majesty's 23rd Royal Welsh Fusiliers in November, 1857; was present with the regiment in the action of Kala Nadi and the capture of Fatehgarh; was present with Sir Robert Walpole's column on the banks of the Rámgarh; afterwards at the siege and capture of Lucknow; accompanied the 23rd Fusiliers to Nawābganj and Bara Banki; served there with Brigadier Purnell's column for three months; afterwards joined the Oudh Police which formed part of Lord Clyde's column in his march through Oudh to the Nepál frontier; was severely burnt at an explosion of gunpowder in the Kaisar Bāgh at Lucknow on the 1st April, 1858 (medal and clasp).

CHEMICAL EXAMINER TO GOVERNMENT.

DR. A. MURRAY THOMSON.—*Vide* Educational Department.

METEOROLOGICAL REPORTER TO GOVERNMENT.

SAMUEL ALEXANDER HILL, B.Sc.—*Vide* Educational Department.

URDU TRANSLATOR TO GOVERNMENT.

1878. A. W. WOLLASTON. Barrister-at-law.—(Born 5th December, 1828.)—Joined the service as Urdu Translator to Government, North-Western Provinces and Oudh 1st April, 1878; * *privilege leave from 14th to 27th September, 1880*; *leave on medical certificate from 7th May to 6th September, 1882.*

GOVERNMENT REPORTER ON THE VERNACULAR PRESS OF UPPER INDIA.

1874. MUNSHI PRIYA DAS, M.A.—(Born 16th September, 1851.)—Joined the service as a Clerk in the Government Secretariat, General Department, 1st May, 1874; appointed to officiate as Reporter on the Vernacular Press of Upper India, 16th June, 1876; confirmed in the same appointment, 11th August, 1877; *privilege leave from 21st October to 20th November, 1878*; officiated as Urdu Translator to Government, in addition to his other duties, from 14th to 27th September, 1878.

ASSISTANT SECRETARY TO THE BOARD OF REVENUE, NORTH-WESTERN PROVINCES.

1854. WILLIAM HENRY DAWE, Uncovenanted.—(Born 20th August, 1838.)—Joined the service as a clerk in the office of the late Military Board on the 6th Sep-

* Previous to this date Mr. Wollaston had served Government in various capacities, ultimately rising to the position of a Subordinate Judge of the 1st grade some time in 1867. He, however, resigned the service on the 1st November, 1878, and received no pension or gratuity.

tember, 1854; transferred on the 1st May, 1855, to the office of the Inspector-General of Ordnance and Magazines and from the 1st July, 1856 to 30th June, 1859, held the post of Subsidiary Ledger-keeper in the office of the Military Auditor-General, Ordnance Department; resigned Government service, with effect from 1st July, 1859, in order to join a mercantile firm.

1864. Was reappointed to Government service on the 1st May, 1864, as an Assistant in charge of the Home section of the office of the Military Accountant, Bengal; was transferred on the 24th August, 1879, as a 1st grade Assistant to the Government Secretariat, Bengal, and attached to the Judicial and Political Departments; *had a month's privilege leave in October, 1872*; was subsequently selected for his present office of Assistant Secretary to the Board of Revenue, North-Western Provinces, to which he was gazetted with effect from the 20th April, 1874; received the commendation of Government in the stamp embezzlement case which occurred in the Commissioner of Stamps' Office, North-Western Provinces; *privilege leave from 16th May to 15th July, 1878.*

PUBLIC WORKS DEPARTMENT.

BUILDINGS AND ROADS BRANCH.

DIRECTION.

CHIEF ENGINEER AND SECRETARY TO GOVERNMENT, PUBLIC WORKS DEPARTMENT.

COLONEL JASPER OTWAY MAYNE, ROYAL ENGINEER.—(Born 16th July, 1830.)

SERVICE IN THE MILITARY DEPARTMENT.—Arrived in India (Madras) February, 1852 and was at once placed under orders to proceed with the Madras Sappers for service in Burmah; present at the actions of (1) the storming of the White House picket stockade on 12th April, 1852, (2) storming of the Rangoon Pagoda on the 14th April, and (3) on the storming of the Pegu Pagoda on the 4th June; medal and clasp for above; served in the capacity of Assistant Field Engineer; mentioned in the despatches of General Godwyn commanding the force; brought to the notice of the Commander-in-Chief in the despatch of Colonel Hugh Fraser, R.E., Commanding Engineer, for the services rendered on 12th and 14th April, and by Major Cotton, 67th Regiment, commanding the expedition to Pegu; received the thanks of Government in G. O. No. 291, dated 1st May, 1852; promoted to present rank of Regimental Colonel, 4th June, 1883.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Appointed to 2nd Assistant Civil Engineer, Madras, Public Works Department, from March, 1855; appointed to act as 1st Assistant Civil Engineer, and subsequently made permanent; appointed to act as Civil Engineer, and transferred to North Arcot which he joined on 6th October, 1856; appointed acting 1st class District Engineer; promoted permanently to 1st class Executive Engineer, and transferred to Bangalore in February, 1858; services placed at the disposal of the Government of India for employment as Chief Engineer, Straits Settlements, in March, 1862, which appointment he held till 5th October, 1866, when he went on furlough; on return from furlough early in 1868, the Straits Settlement having been transferred to the Colonial Office, he was appointed temporarily as Acting Executive Engineer, Bangalore, 1st March, 1868, but his services were again placed under Government of India, Public Works Department, in July, 1868, when he was posted to Bengal as Superintending Engineer, 2nd class, 2nd grade, South-Western Circle, Irrigation Department; subsequently, under special orders, he was gazetted as Supernumerary Superintending Engineer, 1st class, 2nd grade, from the date on which he assumed charge of the Bangalore Division, as Executive Engineer; transferred to Hyderabad as Superintending Engineer and Secretary to the President, and joined in January, 1870, and promoted to Superintending Engineer, 1st class, 1st grade, permanent, from 1st March 1871; transferred to Central Provinces with the rank of temporary Chief Engineer and Secretary for three months during the absence of Mr. Armstrong on privilege leave, and joined on the 26th September 1874; proceeded on furlough, January, 1875, and on return was appointed Superintending Engineer and Secretary to Chief Commissioner, Oudh, and joined on the 27th December, 1876; transferred to Central

Provinces as Officiating Chief Engineer and Secretary, and received charge on the 26th April, 1877; confirmed in his appointment as Chief Engineer, 3rd class; temporarily promoted to Chief Engineer, 2nd class, from 12th March, 1881, and reverted to 3rd class from 11th July, 1881; appointed to officiate as Chief Engineer, 2nd class, from 18th July to 15th October, 1881, and from 16th November 1881 to 10th January, 1882; temporarily promoted to Chief Engineer, 2nd class, from 11th January, 1882, and made permanent from 20th February, 1882; permanently promoted to Chief Engineer, 1st class, from 3rd February 1883; transferred to North-Western Provinces and Oudh as Chief Engineer and Secretary to Government, North-Western Provinces and Oudh; received charge of office on the afternoon of 2nd February, 1883.

LEAVE ENJOYED.—Privilege leave from 22nd to 31st December, 1856; leave for four days under paragraph 8 of G. O. G., dated 3rd February 1857; three days' privilege leave in February, 1858; one week's privilege leave in April, 1859; privilege leave from 13th to 24th July, 1859; privilege leave for 18 days in May 1860; privilege leave for seven days in October, 1860; one week's leave under General Regulations in 1860; 11 days' extension of above in 1860; furlough from October, 1860 to 24th February, 1868; privilege leave from 5th January to 5th March, 1872; privilege leave from 7th September to 5th October, 1872; furlough on private affairs from 25th January, 1875 to 20th December, 1876; privilege leave from 13th August to 10th November, 1880; one week's privilege leave from 16th January, 1883.

CAPTAIN R. R. PULFORD, R.E.—Officiating Personal Assistant to Chief Engineer, *vide* Executive Engineer, 2nd grade.

G. H. D. WALKER, B.A.—Assistant Secretary (on deputation). (Service statement not yet received.)

W. P. V. HORST.—Officiating Assistant Secretary, *vide* Irrigation Department, Executive Engineers, 4th grade.

W. C. WRIGHT.—Officer on special duty in the Chief Engineer's Office, *vide* Executive Engineers, 2nd grade.

SUPERINTENDING ENGINEERS.

FIRST CIRCLE, AGRA.

W. D. BROCKMAN, A.M.I.C.E.—*Vide* Executive Engineers, 1st grade.

SECOND CIRCLE, LUCKNOW.

COLONEL GEORGE AYTON CRASTER, ROYAL ENGINEER.—(Born 9th June, 1830.)

SERVICE IN THE MILITARY DEPARTMENT.—First commission as Lieutenant, 11th December, 1849; served as Assistant Field Engineer, Burmah Field Force, March, 1852; served at the Attacks on Rangoon on 12th April, 1852, and in Bassein, 19th May, 1852, and twice received the thanks of the Governor-General in Council for services; remained on duty at Burmah, 1852 to 1854; promoted to Captain, 27th August, 1858; promoted to Major, 5th July, 1872; promoted to Lieutenant-Colonel, 1st April, 1874; promoted to Brevet Colonel, 1st April, 1879.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Posted to Lower Assam Division as Executive Engineer, 8th December, 1854; to Purneah Division, 16th March, 1857; transferred to Lucknow Division, 20th July 1858 and joined at Lucknow as Executive Engineer, 3rd class, 4th September, 1858; transferred to Panjáb, and posted to Upper Sirhind Division, 11th August, 1860; as officiating Executive Engineer, 2nd class; posted to Dalhousie road, 29th December, 1860; transferred to Amritsar Division, 1st May, 1862, and thence to Multán Division, 22nd December, 1864; promoted to Executive Engineer, 1st class, April, 1865; transferred to North-Western Provinces to officiate as Superintending Engineer, 2nd class, 2nd grade; relieved 1st March, 1869; posted to Superintending Engineer's Office 1st Circle, Provincial Works, and received charge 24th March, 1869; relieved 13th August, 1869; appointed again to officiate as Superintending Engineer, 2nd class, and posted to North-Western Provinces; assumed charge of office of Superintending Engineer 1st Circle, Public Works, 29th October, 1869; proceeded to Lahore on duty, 1st December, 1871, and returned 11th idem; proceeded to Multán on duty, 4th February, 1872, and rejoined 10th March, 1872; to be *ex-officio* Deputy Secretary to Government, North-Western Provinces, Public Works Department and

Superintending Engineer, 1st Circle, Provincial Works; classified as officiating Superintending Engineer, 3rd class, 1st April, 1872; confirmed in his officiating appointment as Superintending Engineer, 3rd class, 12th April, 1872; on return from furlough received charge of the office of Superintending Engineer, 1st Circle, Provincial Works 10th April 1875; promoted temporarily Superintending Engineer, 2nd class, 6th November, 1876, and to temporary 1st class, 17th April, 1877; reverted to 2nd class (temporary rank), 1st November, 1878; confirmed in 2nd grade 17th January, 1879; again promoted to Superintending Engineer, 1st class, temporary rank, from 31st January, 1879; permanently promoted to Superintending Engineer, 1st class, 12th March, 1881; on return from furlough posted to Superintending Engineer's office, 3rd Circle, Provincial Works; joined 22nd November, 1882.

LEAVE ENJOYED.—Leave on medical certificate from 16th April to 10th August, 1860; privilege leave from 12th January to 8th February, 1864; from 14th August to 1st November, 1867; from 13th September to 29th October, 1869; from 24th April to 8th July, 1872; furlough to Europe on private affairs for two years with one month's preparatory leave from 29th March, 1873; reported departure from Calcutta 18th April, 1873; reported return at Bombay 22nd March, 1875; subsidiary leave from 23rd to 26th March, 1875; privilege leave from 23rd October to 22nd November, 1878; furlough for two years on private affairs with usual subsidiary leave from 7th November, 1880; embarked from Bombay on 20th November, 1880, and returned at Bombay on 18th November, 1882; subsidiary leave from 19th to 21st November, 1882.

THIRD CIRCLE, ALLAHABAD.

LIEUTENANT-COLONEL EDMUND SWETENHAM, BENGAL STAFF CORPS.—(Born 7th February, 1836.)

SERVICE IN THE MILITARY DEPARTMENT.—First commission as Ensign 13th December, 1856; joined 45th Native Infantry on 11th March, 1857; Kusun Recria hospital, 17th June, 1857; D.D. officiating 12th Panjáb Infantry, 5th August, 1857; officiating Adjutant 17th September to 11th October, 1857, and from 13th November, 1857 to 1st June, 1858; officiating 2nd in Command 12th Panjáb Native Infantry from 27th May to 29th July, 1858; promoted to Lieutenant 8th February, 1857; promoted to Captain, 13th December, 1868; promoted to Major, 13th December, 1876; promoted to Lieutenant-Colonel, 13th December, 1882.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Appointed to the Public Works Department as an Assistant Engineer 1st grade, and posted to the North-Western Provinces, Jhansi Division; joined 8th February, 1859; appointed officiating Executive Engineer 4th grade, Fatehgarh Division, 5th April 1860; promoted permanent 4th grade Executive Engineer, 7th August, 1860; relieved 18th October, 1860; on transfer to the 4th Division Grand Trunk Road joined the same day; relieved 6th March, 1863; on transfer to Jhansi Division, joined 1st April, 1863; promoted permanent 3rd grade Executive Engineer, 1st October, 1864; appointed officiating Executive Engineer, Nowgong Division, 1st December, 1867; promoted Executive Engineer, 2nd grade, 1st March, 1868; transferred from Jhansi Division, 18th March, 1868 and was on duty at Cawnpore; promoted 1st grade Executive Engineer, 1st September, 1869; appointed to the Gwalior Division, as officiating Superintending Engineer, 8th January 1870; made over charge of the Gwalior Division, 1st February, 1870; resumed charge, Nowgong Division, 3rd February, 1870; relieved 31st March, 1872; on transfer to British Burmah, joined 3rd May, 1872; transferred to Central India, and assumed charge of Mhow Division, 25th September, 1874; ordered to take charge of the office of Chief Engineer and Secretary to Agent, Governor-General Central India in addition to his own duties; officiated in the appointment of Chief Engineer, Central India, from the forenoon of 9th February, 1857 to the afternoon of 13th February, 1875; made over charge, Mhow Division, 31st March, 1877; appointed to officiate as Chief Engineer and Secretary to Agent, Governor-General, Central India, and assumed charge of his duties 7th May, 1877; made over charge 6th August, 1877; resumed charge of his duties as Executive Engineer, Mhow Division, 13th August, 1877; made over charge, Mhow Division, 30th March, 1878; appointed to officiate as Assistant to Chief Engineer and Assistant to Secretary to Agent, Governor-General, 27th June, 1878; appointed to officiate as Chief Engineer and Secretary to Agent, Governor-General for Central India, and received charge 13th July, 1878; made over charge 5th November, 1878; resumed charge, Mhow Division, 7th November, 1878; resumed charge of the office of Chief Engineer and Secretary to Agent, Governor-General, Central India, in addition to his own duties and joined 1st January, 1879; made over charge of Chief Engineer's office, 6th February, 1879; made over charge of the Mhow Division, 15th September, 1879; appointed to officiate as Chief Engineer, Central India, and joined 16th September, 1879; resumed charge of the Mhow Division, 4th November,

1879; placed in charge of the office of Chief Engineer, Central India, and Secretary to Agent, Governor-General, from 11th to 17th August, 1880; transferred to North-Western Provinces and Oudh and appointed to the charge of Superintending Engineer's office, 2nd Circle, North-Western Provinces and Oudh, Buildings and Roads Branch, 27th August, 1880; promoted permanent 3rd class Superintending Engineer, 19th September, 1880; permanently posted to North-Western Provinces and Oudh; promoted to officiating 2nd class Superintending Engineer, 17th January, 1881; to the temporary 2nd class, 8th February, 1881; reverted to 3rd class, 2nd March, 1881; promoted to 2nd class, temporary rank, 12th March, 1881; promoted to Superintending Engineer, 2nd class, *sub. pro tem.*, 3rd February, 1883.

LEAVE ENJOYED.—Privilege leave from 9th April to 8th July, 1862; leave on urgent private affairs from 27th June to 26th July, 1863; leave on urgent private affairs from 4th August to 3rd November, 1863; leave on private affairs from 29th May to 28th August, 1866; privilege leave from 29th July to 28th October, 1869; leave on medical certificate from 5th January, 1871 to 4th January, 1872; privilege leave from 12th June to 26th August, 1874; from 2nd April to 5th May 1877; from 1st April to 26th June, 1878; and from 4th July to 3rd October, 1881; furlough for one year and 182 days with usual subsidiary leave from 6th April, 1882; embarked on 15th April, 1882.

ACCOUNTS BRANCH.

LIEUTENANT-COLONEL PARRY LAMBERT, ROYAL ENGINEER.—(Born 19th May, 1836.)

SERVICE IN THE MILITARY DEPARTMENT.—Left Addiscombe College and appointed 2nd Lieutenant 7th December, 1855; arrived in India, 19th December, 1857; promoted to 1st Lieutenant, August 1858; promoted to Captain, 31st October, 1868; promoted to Major, 1st April, 1874; promoted to Brevet Lieutenant-Colonel, 1st July, 1881.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Appointed to the Public Works Department as a probationary Assistant Engineer, and posted to the 2nd Division Grand Trunk Road, 8th January, 1858; transferred to Oudh, 23rd December, 1858; promoted to Assistant Engineer, 2nd class, 24th January, 1859; transferred to Panjáb, 1st October, 1859, and posted to and joined 9th Division, Grand Trunk Road, 11th November, 1859; promoted to Assistant Engineer, 1st class, 17th November, 1860; officiated as Executive Engineer of the 9th Division Grand Trunk Road 26th April, 1861; reverted to Assistant Engineer, 1st class and transferred to the Sirhind Canal Survey, 21st February, 1862; and to the Western Sirhind Division, 1st October, 1862; promoted to Executive Engineer, 4th class, and transferred to the Peshawar Division, 1st December, 1863; promoted to Executive Engineer, 3rd grade, 1st September, 1867, and to 2nd grade 1st September, 1868; transferred to and joined Rawalpindi Division, April, 1869; on return from furlough joined Derajat Division 17th January, 1874; officiated as Assistant to Superintending Engineer, 3rd Circle from 23rd December, 1874 to 6th September, 1875, and as Controller of Panjáb Northern State Railway Accounts from 7th September to 15th November, 1875; rejoined Superintending Engineer's Office, 3rd Circle, 16th November, 1875; temporarily transferred to the Accounts Branch, with the rank of Examiner, 3rd class, 1st grade, and posted to and joined the office of Examiner of Guaranteed Railway Accounts, Lahore, 7th April, 1876; appointed Examiner of Guaranteed Railway Accounts Madras, and joined 29th May, 1876; reverted to Executive Engineer, 2nd grade, 25th May, 1877; but continued to officiate as Examiner, 3rd class, 1st grade; promoted temporarily to Examiner, 3rd class, 1st grade, 4th July, 1877; transferred to the Western System of State Railways, 27th September 1878; confirmed as Examiner 3rd class, 1st grade, from 16th October, 1878; promoted to Examiner, 2nd class, 1st grade, 1st January, 1879; transferred to the office of Examiner of Guaranteed Railway Accounts, Calcutta, 5th March, 1879; promoted to Examiner, 1st class, 3rd grade, temporary rank 23rd March, 1879; transferred to Bombay and appointed officiating Examiner, Public Works Accounts; joined 1st December, 1879; classified as Examiner, 3rd class (temporary rank), from 1st July, 1880; reverted to Examiner, 4th class, 1st grade, 15th November, 1880; promoted to Examiner, 3rd class, permanent, from 20th September, 1881; appointed Examiner, Public Works Accounts, North-Western Provinces and Oudh; received charge 18th December, 1881, and promoted temporarily to Examiner, 2nd class, from that date; appointed to officiate as Examiner, Public Works Accounts, Bengal, from 27th January, 1882; joined 3rd February, 1882; retransferred to the office of Examiner, Public Works Accounts, North-Western Provinces and Oudh, and joined 6th December, 1882; promoted to Examiner, 2nd class, *sub. pro tem.* from 28th April, 1883.

LEAVE ENJOYED.—Privilege leave from 25th August to 30th September, 1860; from 23rd August to 28th October, 1864; from 10th July to 13th August, 1867; and from 21st February to 14th April, 1871; furlough to Europe on private affairs for two years with one month's preparatory leave from 23rd December, 1871; returned on 13th December, 1873; subsidiary leave from 13th December, 1873 to 17th January, 1874; furlough in India from 18th October to 22nd December, 1874; privilege leave from 5th to 17th November, 1877; from 31st July to 26th September, 1878; and from 2nd October to 19th November, 1879; furlough to Europe for one year with necessary subsidiary leave; embarked from Bombay on 27th November, 1880; thirty-three days' extension of furlough on private affairs; returned from furlough on 13th December, 1881; subsidiary leave to 18th December, 1881.

WILLIAM HORNE BRAND.—(Born 2nd November, 1844.)—Appointed by Government of India as permanent Accountant, 4th grade, from 31st July, 1869, and posted to Central India; promoted to Accountant, 3rd grade, from 1st March, 1870; transferred to Panjab Northern State Railway, and joined 4th July, 1870; transferred to Peshawar Division, Military Works Branch, and joined 29th October, 1870; promoted to Accountant, 2nd grade, from 7th January, 1871; transferred to office of Examiner, Guaranteed Railways, Oudh and Rohilkhand Railway, and joined 11th February, 1871; appointed Assistant Auditor Oudh and Rohilkhand Railway, with the relative rank of Assistant Controller, 2nd grade, 1st September, 1871; transferred to the establishment immediately under the Government of India, 7th December, 1871; transferred to office of Controller, North-Western Provinces, as Assistant Controller, 3rd grade, on Rs. 300, and joined 21st March, 1872; on privilege leave from 11th November to 10th December 1872; transferred to Central Office, Burmah, and joined 4th January, 1873 on Rs. 300 per mensem, *plus* the local allowance of his grade; promoted to Assistant Controller 2nd grade, from 1st March, 1873; transferred to Accountant-General's Office, Public Works Department, to which he joined on 19th March 1875, and brought on the fixed from the supernumerary establishment, Public Works Department; promoted to Assistant Controller, 1st grade from 18th April, 1875; temporarily promoted to Deputy Controller from 13th July, 1875; reverted to Assistant Controller, 1st grade, on 31st October, 1875; transferred to the North-Western Provinces, and joined 6th November, 1875; and to the Tirhoot State Railway, and joined on 14th February, 1876; promoted to Deputy Examiner (temporary) from 9th February, 1876; on privilege leave from 1st May to 2nd July, 1876; temporarily deputed to the Government of India, Public Works Secretariat, on special duty, and joined on 3rd July, 1876; transferred to the office of Examiner, North-Western Provinces, and joined on 9th September, 1876; on leave for six months on private affairs to Europe with 26 days' preparatory leave from 8th April, 1877; permanently appointed as Deputy Examiner from 9th July, 1877; posted to the Dhond and Manmad State Railway, and joined on 12th October, 1877; placed in charge of the Khámgaon State Railway, and the Amraoti State Railway Accounts in addition to the Dhond and Manmad State Railway, 13th November, 1878; placed in charge of the Hotgi-Bigapur State Railway Accounts in addition to his other duties, 28th March, 1879; placed in charge of the current duties of the office of Engineer-in-Chief, Dhond and Manmad State Railway, and in charge of the Manager's Office, 27th December, 1879; on privilege leave from 12th April to 10th June, 1880; on furlough to Europe from 1st February, 1881 to 6th December, 1882; promoted to Examiner, 4th class, 3rd grade, *sub. pro tem.* from 1st October, 1882; transferred to Bengal, 3rd October, 1882, and joined the Central Office of Accounts on 7th December, 1882; officiated as Examiner of Telegraph Accounts from 23rd May to 30th July, 1883; transferred to Examiner, Public Works Accounts, North-Western Provinces and Oudh, November, 1883.

S. M. JOHNSON.—(Born 10th November, 1846.)—Appointed by Government of Madras as an Accountant, 2nd grade, and posted to Madras, 20th February, 1869; confirmed as Assistant Controller, 2nd grade, 28th October, 1870; transferred to office of Examiner of Guaranteed Railway Accounts, Bombay, 9th November, 1875; joined 16th November, 1875; promoted to Assistant Examiner, 1st grade, temporary rank, 9th February, 1876; promoted to Deputy Examiner, 2nd grade, temporary rank, 15th January, 1878; permanently promoted to Assistant Examiner, 1st grade, 23rd April, 1878; transferred to British Burmah, 31st October, 1878; to officiate as Deputy Examiner of Accounts, Rangoon and Irrawaddy Valley State Railway; reported arrival at Rangoon, 29th November, 1878; received charge of Account Office of the Rangoon and Irrawaddy Valley State Railway on 2nd December, 1878; received charge of Central Office of Public Works Account, British Burmah, 20th September, 1879; made over charge of Central Office of Public Works Accounts, 8th October, 1879; permanently promoted to Deputy Examiner, 1st grade, from 1st July, 1880; on return from furlough, posted to the Rajputana-Malwa Railway Accounts Office; joined 13th March, 1882; temporarily promoted to Examiner, 4th class, 3rd grade, from 1st April, 1882; transferred temporarily to the North-Western Provinces,

in charge of Railway Account Office, Cawnpore, 29th August, 1882; joined 4th September, 1882; promoted to Examiner, 4th class, 3rd grade, *sub. pro tem.* from 28th April, 1883; reverted to Examiner, 4th class, 3rd grade, temporary rank from 23rd October, 1883; promoted to Examiner, 4th class, 3rd grade, *sub. pro tem.* from 23rd January, 1884.

LEAVE ENJOYED.—Privilege leave from 24th January to 23rd February, 1870; from 19th August to 18th October, 1872; from 4th April to 3rd July, 1877; and from 19th August to 18th November, 1880; furlough for one year, with subsidiary leave, from 2nd March, 1881; reported return to India, and arrival at Calcutta on 4th March, 1882; subsidiary leave on return from furlough from 5th to 12th March, 1882.

1876. A. G. HARRISON.—(Born 28th June, 1853.)—Passed student of the Royal Indian Engineering College; appointed by Her Majesty's Secretary of State as an Assistant Engineer, 2nd grade, from 1st October, 1876, and posted to British Burmah; joined 18th November, 1876; passed Lower Standard Examination in Hindustani; promoted to Assistant Engineer, 1st grade, 1st June, 1880; on redistribution of Public Works Divisions, transferred to Prome Division, of which he received charge on 5th February, 1881; promoted to temporary 4th grade Executive Engineer, 5th February, 1881; reverted to 1st grade Assistant Engineer, 7th June, 1881; transferred from the charge of Prome Division, temporarily to the Public Works Secretariat at Rangoon; made over charge Prome Division, 7th June, 1881; joined Public Works Secretariat 10th June, 1881; transferred temporarily to the Public Works Accounts Establishment with the temporary rank of Deputy Examiner, 2nd grade; posted to the Examiner's Office, North-Western Provinces and Oudh; joined 1st September, 1881; relieved of his duties 30th September, 1881; on deputation to Railway Audit Office, Cawnpore; joined 1st October, 1881, and returned to Examiner's Office at Allahabad on 1st March, 1882.

LEAVE ENJOYED.—Privilege leave from 26th November to 25th December, 1881; and from 25th August to 24th October, 1882.

CONSTRUCTION.

ENGINEER ESTABLISHMENT.

EXECUTIVE ENGINEERS.

FIRST GRADE.

J. W. ALEXANDER.—(Born 11th March, 1844.)—Came out under covenant with the Secretary of State for India, dated June, 1865, as Assistant Engineer, 3rd grade; arrived in India on 9th September, 1865;* posted to and joined Rāwālpindī Division, 11th December, 1865; passed lower standard examination on 22nd December, 1866; and promoted to Assistant Engineer, 2nd grade, from that date; appointed officiating Assistant Secretary to the Government of India, Public Works Department, from 15th January, 1868; promoted to Assistant Engineer, 1st grade, 1st March, 1868; passed examination in the native language according to the departmental standard, April, 1869; acted as Assistant Professor of Civil Engineering in the Presidency College Calcutta, in addition to his own duties as officiating Assistant Secretary from 24th June to 16th September, 1869; promoted to Executive Engineer, 4th grade, 1st March, 1870; relieved 29th October, 1871; on transfer to Northern Division Ganges Canal, joined 3rd November, 1871; transferred to and joined Benares Provincial Division, 22nd May, 1872; promoted to Executive Engineer, 3rd grade, 1st September, 1872; posted to and received charge of the River Ganges Navigation Works, 12th November, 1872; relieved 16th January, 1873; on transfer to Agra Provincial Division joined 20th January, 1873; promoted to Executive Engineer, 2nd grade, 1st September, 1874; on return from furlough posted to and received charge of Jbānsi Provincial Division, 21st October, 1876; transferred to and joined Rohilkhand Provincial Division, 6th October, 1877; relieved on the afternoon of 6th April, 1878; on transfer to Agra Provincial Division, joined 17th April, 1878; promoted to Executive Engineer, 1st grade (temporary rank) 6th May, 1878; held charge of the Archaeological Division in addition to his own duties from 19th May to 26th November, 1878; from 21st January to 28th March, 1879, and from 25th July to 25th October, 1879; relieved of the charge of Agra Provincial Division, afternoon of 27th November, 1879; on transfer to

* Was first posted to the 2nd Division, Lahore and Peshāwar Road. Thence transferred to the Rāwālpindī Division.

the Meerut Provincial Division, joined afternoon of 6th December, 1879; promoted to permanent 1st grade Executive Engineer, 1st June, 1880; appointed to officiate as Superintending Engineer, 1st Circle Buildings and Roads Branch, with the temporary rank of Superintending Engineer, 3rd class; assumed charge 12th August, 1881; reverted to his substantive post of Executive Engineer 1st grade, Meerut Provincial Division, 6th October 1881; resumed charge of Meerut Provincial Division, 12th October, 1881.

LEAVE ENJOYED.—Furlough on medical certificate from 7th June to 15th October, 1866; privilege leave from 26th January to 25th March, 1869, and from 15th September to 11th November, 1872; furlough for twenty-two months from 23rd November 1874, with preparatory leave from 27th October, 1874; reported return on 22nd September, 1876; privilege leave from 21st April to 6th July, 1879; and from 1st August to 31st October, 1882.

MAJOR C. S. BEAUCHAMP, A.I.C.E., ROYAL ENGINEER.—On furlough to Europe for 27 months and 10 days from 10th April, 1881.—(Service statement not yet received.)

W. D. BROCKMAN, A.M.I.C.E.—(Born 15th March, 1837.)—Prior to joining the Public Works Department in April, 1858, was a Sub-Assistant Revenue Surveyor in the Panjáb from November, 1852 to about November, 1855; under Major (afterwards General) Robert Shortrede, Revenue Surveyor, Wazirabad; resigned appointment in the above survey in November, 1855 and joined the Thomason College at Roorkee; passed student of the Thomason College, Roorkee, winning Court of Directors' prize of Rs. 1,000; appointed probationary Assistant Engineer and posted to the office of Garrison Engineer, Agra, on 28th April 1858; then transferred to the 4th Division, Grand Trunk Road Division, May, 1858; promoted to 2nd class Assistant Engineer from 8th August, 1859; and transferred temporarily to Railway Department, North-Western Provinces, from November, 1859 to December, 1860; and in January, 1861, transferred to the Fatehgarh Branch, Ganges Canal; was favourably reported to, and received the thanks of, Government of India for services rendered on famine relief works on the Ganges Canal in 1861; appointed to the charge of the Calpi and Saugor Road as Executive Engineer in July, 1861; and in August, 1861, as Civil Divisional Engineer of the Rohilkhand Division; transferred to the Bundelkhand Road Division and promoted to Executive Engineer, 4th class, from 7th October, 1863; transferred to the first Oudh Road Division on 24th December, 1864, and had charge of the second Oudh Road Division, in addition to his own duties, from 12th April to 8th July, 1865; promoted to Executive Engineer, 3rd grade, from 1st October, 1866 and to Executive Engineer, 2nd grade, from 1st September, 1868; had charge of Lucknow Division in addition to his own duties from 2nd May to 14th June, 1870; posted to Lucknow Provincial Division, on return from furlough on 7th October, 1872; promoted to Executive Engineer, 1st grade, from 1st March, 1874; transferred to Rae Bareilly Provincial Division, for which he left on 7th March, 1877, and received charge on 14th idem; was favourably reported on to Government; received thanks thereof for services during famine relief operations of 1877-78 in the Rae Bareilly Division; on return from privilege leave on 1st November, 1878 posted to the North-Western Provinces Public Works Secretariat Provincial branch, on special duty from 2nd November, 1878 to 21st March, 1879; transferred to the Benares Provincial Division from 22nd March, 1879; transferred to Allahabad Provincial Division from 10th July, 1879; appointed to officiate as Superintending Engineer, 3rd class, from 4th July, 1881 and posted to 2nd Circle, Provincial Works; promoted temporarily to Superintending Engineer, 3rd class, from 10th August, 1881; transferred to 1st Circle Superintending Engineer's office from 6th October, 1881; promoted temporarily to Superintending Engineer, 2nd class, 29th April, 1882; and reverted to 3rd class temporary rank from 3rd September, 1882.

LEAVE ENJOYED.—Privilege leave from 9th August to 6th November, 1868; furlough to Europe on medical certificate from 23rd January, 1871 to 22nd September, 1872; privilege leave from 23rd April to 22nd June, 1875; and from 5th August to 1st November, 1878.

LIEUTENANT-COLONEL FRANCIS DAVID MILLET BROWN, V.C., A.I.C.E., BENGAL STAFF CORPS.—(Born 7th August, 1837.)

SERVICE IN THE MILITARY DEPARTMENT.—First commission as Cadet, 8th December, 1855; arrived in India, 3rd January 1856; joined 1st European Bengal Fusiliers as 2nd Lieutenant at Dugshai, 1st August, 1856; served with his Regiment through the Indian Mutiny Campaign from May, 1856 to April, 1859; present throughout the sieges of Delhi and Lucknow (medal, two clasps, and Victoria cross);

promoted 1st Lieutenant, 7th June, 1857; proceeded to England *via* Kurrachee with troops from August, 1859 to July, 1860; at the Recruit Depôt at Barrackpore from August, 1860 to April, 1861; doing duty with Sappers and Miners, and at Thomason College, Roorkee, from May, 1861 to October, 1862; with 101st Regiment from November, 1862 to January 1864; served with his Regiment through the Umbeyla campaign (medal and clasp); studying at Thomason College, Roorkee, from January, 1864 to September, 1865; promoted to Captain, 101st Regiment, August, 1865; transferred to Bengal Staff Corps, September, 1865; promoted to Major, 8th December, 1875, and to Lieutenant-Colonel, 8th December, 1881.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Appointed to the Public Works Department as Assistant Engineer, 2nd grade, and posted to North-Western Provinces Irrigation Department, and joined Rohilkhand Tarāi contour survey 27th September, 1865; relieved 7th December, 1866; on transfer to Thomason College, Roorkee, as Assistant Principal joined 10th December, 1866; promoted 1st grade Assistant Engineer, 1st August, 1868; promoted to Executive Engineer, 4th grade, 1st March, 1871; appointed to officiate for Executive Engineer, Ganges River Works, 18th March, 1871; officiated as Executive Engineer, Benares Provincial Division, 9th May to 10th July, 1871, in addition to his other duties; posted temporarily to the charge of 3rd Division, Grand Trunk Road, in addition to his own duties, and relieved 27th September, 1871; made over charge of the Ganges River Works, 28th September, 1871; on transfer to Chief Engineer's Office as Assistant Secretary to Government, North-Western Provinces, Public Works Department, in March, 1872; appointed Personal Assistant to Chief Engineer in addition to his other duties; promoted 3rd grade Executive Engineer, 1st September, 1872; temporarily placed in charge of current duties of Superintending Engineer's Office, 2nd Circle, Provincial Works, 19th April, 1873; promoted 2nd grade Executive Engineer, 1st March, 1874; and transferred to Meerut Provincial Division; joined 3rd April, 1874; promoted temporary 1st grade Executive Engineer, 23rd April, 1877; permanently promoted to Executive Engineer, 1st grade, 1st October, 1877; took charge of special Drainage Works Division, Meerut, 2nd March, 1878, as a Sub-Division of the Meerut Provincial Division; officiated for one month as Superintending Engineer in addition to his other duties, 23rd October, 1878; on return from furlough posted to Benares Provincial Division; joined 30th December, 1881; appointed to the 2nd Circle, Provincial Works, with temporary rank of Superintending Engineer, 3rd class; joined 5th April, 1882; reverted to Executive Engineer, 1st grade, 22nd November, 1882; holding charge of the 2nd Circle, Provincial Works, as Superintendent of Works.

LEAVE ENJOYED.—Furlough on private affairs for two years, with one month's preparatory leave, from 1st January, 1869; embarked from Bombay on 13th February, 1869; reported return from England on 29th January, 1871; subsidiary leave to 10th February, 1871; privilege leave from 1st August to 15th September, 1875; and from 5th April to 4th July, 1877; two years' furlough on private affairs with usual subsidiary leave from 7th December, 1879; embarked on 1st January, 1880; returned from furlough at Bombay, 22nd December, 1882; subsidiary leave to 30th December, 1882.

ANGUS CAMPBELL, M.I.M.E.—(Born 10th May, 1881.)—Joined the service under agreement with the President, Board of Control, on the 7th November, 1857; and appointed as Assistant Superintendent, Kumaun Iron Works; transferred to the Canal Foundry, Roorkee, in May, 1859; as special Assistant Engineer in April, 1861, and placed in charge of the Workshops from October, 1862 to June, 1863; promoted to Executive Engineer, 4th grade, from 1st November, 1863; and appointed Superintendent of Roorkee Workshops from 1st November, 1864; promoted to Executive Engineer, 3rd grade, from 1st February, 1866; and to Executive Engineer, 2nd grade, from 1st October, 1866; invested with powers of a Subordinate Magistrate, 2nd class, in October, 1868; promoted to Executive Engineer, 1st grade, from 1st March, 1874.

LEAVE ENJOYED.—Privilege leave from 20th August to 19th November, 1863; privilege leave for one month in 1866; privilege leave from 17th September to 16th October, 1868; privilege leave from 17th September to 16th October, 1869; furlough on medical certificate for one year with subsidiary leave for one month from 1st April, 1872; embarked on 8th April, 1872, and returned on 8th April, 1873; privilege leave from 4th August to 3rd October, 1880.

F. B. HENSLOWE, M.I.C.E.—(Born 3rd October, 1837.)—Appointed to the Local Funds Establishment as Civil Divisional Engineer of the Baiswara Division, and joined appointment on or about 1st April, 1865; transferred to Fyzabad as District Engineer in May, 1867; and relieved Mr. Alfred Penny there on 24th May, 1867; appointed to the Public Works Department Imperial Establishment from 15th October,

1868, as an Assistant Engineer, 1st grade, and posted to Oudh; services lent to Local Fund until 13th April, 1869; posted to Fyzabad from 14th April, 1869; passed lower standard examination in Hindustani on 3rd May, 1869; passed departmental standard examination on 3rd March, 1870; promoted to Executive Engineer, 4th grade, on 1st September, 1871; transferred to the Rae Bareilly Provincial Division from 9th April, 1872; promoted to Executive Engineer, 3rd grade, from 1st March, 1874; on return from furlough posted to the Jhānsi Provincial Division from 22nd February, 1879; transferred to the Sitapur Provincial Division from 24th April 1879; promoted to Executive Engineer, 2nd grade, from 1st January, 1880; received charge of Sitapur district, 17th January, 1880; promoted to Executive Engineer, 1st grade, 1st November, 1881; transferred from Sitapur Provincial Division to the charge of Benares Provincial Division; relieved of the Sitapur Division, 20th March, 1882; on transfer to Benares Provincial Division, joined 31st March, 1882; relieved 10th July, 1882; on transfer to 3rd Circle Provincial Branch as Superintendent of Works, joined 12th July, 1882; reverted to Executive Engineer, 1st grade, and attached temporarily to the Office of Chief Engineer on special duty from 22nd November, 1882; appointed to the charge of Lucknow Provincial Division, and was subsequently transferred to the charge of Benares Provincial Division, joined 6th January, 1883; re-transferred to the Lucknow Provincial Division, joined 13th April, 1883.

LEAVE ENJOYED.—Special leave to pass departmental examination from 25th February to 4th March, 1870; privilege leave from 24th August to 27th September, 1872; from 4th to 18th April, 1874; and from 3rd August to 2nd November, 1875; furlough to Europe, with usual subsidiary leave, from 15th March, 1877; embarked on 5th April, 1877, and returned on 21st February, 1879.

W. E. PARRY, A.M.I.C.E.—(Born 13th December, 1840.)—Passed student of the Thomson Civil Engineering College, Roorkee; appointed to the Public Works Department as a Probationary Assistant Engineer on 23rd December, 1859, and posted as Assistant to the Superintendent of Railway Surveys in Rohilkhand; transferred to the 6th Division, Grand Trunk Road, North-Western Provinces, on 17th July, 1860; transferred to the 3rd Division, Grand Trunk Road, from 5th February, 1861; promoted to Assistant Engineer, 2nd class, from 3rd January, 1861; transferred to the Allahabad Public Works Division from 9th March, 1863; had charge of the Division from 24th August to 6th September, 1863; transferred to Bengal and posted to the Patna Branch Roads Division from 11th January, 1864; on return from furlough transferred to the North-Western Provinces, and posted to the 3rd Circle from 10th November, 1865; transferred to the 1st Allahabad Public Works Division from 31st December, 1865; promoted to Assistant Engineer, 1st grade, from 1st April, 1866; held charge of the Division from 26th May to 8th August, 1866; transferred to the 2nd Allahabad Division from 21st September, 1866; passed higher standard examination in Hindustani on 10th July, 1867; promoted to Executive Engineer, 4th grade, from 1st September, 1868; held charge of the 1st Allahabad Division from 27th September to 27th October, 1868, in addition to his own duties; transferred to the 3rd Division, Grand Trunk Road, from 23rd January, 1869; promoted to Executive Engineer, 3rd grade, from 1st September, 1871; transferred to the Jhānsi Provincial Division from 13th March, 1872; on return from furlough transferred to temporary charge of Rohilkhand Provincial Division from 1st to 29th April, 1874; transferred to the Meerut Provincial Division, and posted to Aligarh from 30th April 1874 and Meerut district from May, 1875; held charge of the Division from 1st August to 16th September, 1875, in addition to his own duties; promoted to Executive Engineer, 2nd grade, from 21st July, 1875; transferred to the Benares Provincial Division, Mirzapur district, from 2nd November, 1876; transferred to the Fyzabad Provincial Division from 21st March, 1877; received temporary charge of the Fyzabad district, 11th April, 1879, and made over charge, 16th April, 1879; received charge again of the Fyzabad district in March, 1880; made over charge of the Fyzabad district, 27th April, 1880; promoted to Executive Engineer, 1st grade, 10th August, 1881; transferred to the Benares Division from 15th September, 1881.

LEAVE ENJOYED.—Privilege leave from 19th October, 1862 to 18th January, 1863; furlough on medical certificate from 24th August, 1864 to 9th November, 1865, with 20 days' preparatory leave from 27th July, 1864; privilege leave from 26th November, 1868 to 22nd January, 1869; and from 1st September to 19th November, 1871; furlough to Europe with usual preparatory leave from 10th April, 1873 to 24th March, 1874; with usual subsidiary leave from 22nd March to 9th April, 1873, and from 25th March to 2nd April, 1874; privilege leave from 20th April to 19th July, 1878; leave on medical certificate from 8th August to 30th October, 1878; furlough for one year and eight months with usual subsidiary leave from 1st April, 1882; embarked from Bombay on 7th April, 1882.

SECOND GRADE.

W. F. HEATH.—(Born 29th April, 1843.)—Appointed to the Public Works Department under covenant with the Secretary of State for India dated 23rd June, 1864,

as a probationary Assistant Engineer; arrived in India, 20th September, 1864, and posted to the 6th Division, Grand Trunk Road, North-Western Provinces, which he joined 20th September, 1864; promoted 3rd grade Assistant Engineer, 1st April, 1865, and 2nd grade, 23rd June, 1865; transferred to the Bareilly Division, Public Works, joined 12th May, 1867; passed colloquial examination in Hindustani, 23rd May, 1868; transferred to Rānīkhet Division, June, 1868; promoted 1st grade Assistant Engineer, 1st September, 1868; passed lower standard examination in Hindustani, 24th October, 1869; departmental examination, 5th May, 1871; promoted 4th grade Executive Engineer, 1st September, 1871; posted to Allahabad Provincial Division, 7th October, 1873; transferred to Meerut Provincial Division, 28th November, 1873; promoted 3rd grade Executive Engineer, 1st September, 1874; transferred to Agra Provincial Division, 18th May, 1875; to Archaeological Division, 25th October, 1875; promoted 2nd grade Executive Engineer, temporary rank, 1st December, 1875; held charge of the Agra Provincial Division in addition to his other duties from 16th September, 1876; reverted to 3rd grade Executive Engineer, 14th November, 1876; promoted Executive Engineer, 2nd grade, temporary rank, 6th May, 1878; appointed on special duty to the Public Works Department Secretariat from 20th May to 27th October, 1878; resumed charge of the Archaeological Division from 28th November to 21st December, 1878; again on special duty in Public Works Secretariat from 22nd December, 1878 to 28th March, 1879; re-appointed to the Archaeological and Agra Provincial Divisions 29th March, 1879; posted to the same Division on return from leave 27th November, 1879; promoted to permanent 2nd grade Executive Engineer, 12th June, 1880; appointed to the charge of the Agra Division in addition to his own duties and received charge 17th April, 1882; relieved of the charge, 27th April, 1882.

LEAVE ENJOYED.—Special leave for three months to study native language in 1865; privilege leave from 22nd January to 5th February, 1867; and from 5th to 30th December, 1871; furlough on medical certificate for 18 months with usual preparatory leave for one month from 18th March, 1872; embarked on 8th April, 1872; returned on 4th October, 1873, and joined on 7th idem; privilege leave from 15th September to 27th September, 1874; from 14th July to 13th September, 1876; from 28th October to 27th November, 1878; privilege leave for two months and 17 days from 25th July to 15th October, 1879 (leave overstayd by four days); privilege leave for one month from 27th September to 26th October, 1880; and from 27th September to 7th November, 1882.

J. HEINIG.—(Born 2nd June, 1846.)—Joined the service under covenant with the Secretary of State for India, dated 26th July, 1867, as an Assistant Engineer, 3rd grade; arrived in India on 17th October, 1867; appointed to the North-Western Provinces, and posted to the 1st Public Works Division, Allahabad, from 6th November, 1867; transferred to the Cawnpore Division to take charge of Memorial Church Works, Cawnpore, from 1st September, 1868; promoted to Assistant Engineer, 2nd grade, from 18th December, 1868; passed lower standard examination in Hindustani in February, 1870; transferred to general duty in the Cawnpore Division in April, 1870; promoted to Assistant Engineer, 1st grade, from 1st March, 1872; and transferred to the Allahabad Provincial Division from same date to take charge of the Muir Central College and Thornhill and Mayne Memorials; promoted to Executive Engineer, 4th grade, (temporary) from 20th August, 1875; passed departmental standard examination on 26th January, 1876; reverted to Assistant Engineer, 1st grade, 3rd November, 1876; promoted to Executive Engineer, 4th grade (temporary rank) from 1st December, 1876; and made permanent in that grade from 1st October, 1877; held charge of the Allahabad district from 10th October to 24th November, 1877; and of the Allahabad Provincial Division from 24th August to 6th November, 1878; appointed to the charge of the Allahabad district in April, 1879; promoted permanently to Executive Engineer, 3rd grade, from 1st June, 1880; appointed to the charge of the Allahabad Provincial Division in addition to his own duties, and received charge 30th June, 1881; promoted permanently to Executive Engineer, 2nd grade, from 1st November, 1881; appointed to the charge of the Allahabad Provincial Division from 1st April, 1882.

LEAVE ENJOYED.—Privilege leave from 7th November, 1873 to 6th February, 1874; and from 1st June to 31st August, 1879.

E. HODGES, A.M.I.C.E.—(Born 5th January, 1844.)—Served as Local Funds Engineer, Fyzabad District, from 7th April, 1869 to 31st March, 1872; after which he was brought on to the Public Works Department list on the amalgamation of Local Funds Works with Provincial, and posted to the Fyzabad Provincial Division as an Assistant Engineer, 1st grade, on 1st April, 1872; passed colloquial examination in Hindustani on 30th April, 1873; transferred to the Gonda Sub-Division from 25th June, 1873; transferred to the Fyzabad Relief Works Division from 1st March, 1874; passed lower standard examination in Hindustani on 2nd November, 1874; transferred

to the Fyzabad Provincial Division from 26th November, 1874; promoted to Executive Engineer (temporary rank) from 27th November, 1874; reverted to Assistant Engineer, 1st grade, 31st December, 1874; promoted to Executive Engineer, 4th grade, temporary, 4th January, 1875; passed departmental standard examination on 24th June, 1875; held charge of the Sitapur Provincial Division from 13th October to 12th November, 1875; resumed charge of the Gonda district on 22nd November, 1875; transferred to the Lucknow Provincial Division from 1st February, 1876; held charge of the Fyzabad Provincial Division from 2nd August to 13th September, 1876; held charge of the Sitapur Provincial Division from 23rd September to 23rd October, 1876, and assumed charge of the Hardoi District from 1st November, 1876; reverted to Assistant Engineer, 1st grade, on 23rd April, 1877, and temporarily promoted to Executive Engineer, 4th grade, on 27th May, 1877; permanently promoted to Executive Engineer, 4th grade, 17th January, 1879; permanently promoted to Executive Engineer, 3rd grade, from 1st June, 1880; posted to the Fyzabad Provincial Division and joined on 11th October, 1881; permanently promoted to Executive Engineer, 2nd grade, from 1st November, 1881; received charge of Rae Bareilly Division, which was amalgamated with Fyzabad Division, 18th April, 1882.

LEAVE ENJOYED.—Privilege leave from 5th July to 4th October, 1875; leave on medical certificate to Europe with usual subsidiary leave from 2nd August, 1879; embarked from Bombay on 22nd August, 1879; extension of leave on medical certificate; two months' further extension on medical certificate, six months' further extension on medical certificate; returned on 11th October, 1881; unexpired portion, *vis.*, three months and 11 days, cancelled.

F. S. A. ORCHARD.—(Born 4th July, 1836.)—Appointed to the Local Works Branch of the Public Works Department as 2nd grade District Engineer on 1st January, 1865, and posted to the Meerut district; promoted to District Engineer, 1st grade, from 8th April, 1867; appointed to the Provincial Branch of the Public Works Department as an Assistant Engineer, 1st grade, on 1st April, 1872, and posted to the Saharanpur district of the Meerut Provincial Division; transferred to Muzaffarnagar district on 10th February, 1873; passed lower standard examination in Hindustani on the 23rd February 1874; promoted to Executive Engineer, 4th grade, temporarily, from 22nd July, 1875; reverted from 4th November, 1876, to Assistant Engineer, 1st grade, and again promoted temporarily to Executive Engineer, 4th grade, from 15th November, 1876; transferred to the Meerut district from the 15th December, 1877; promoted permanently to Executive Engineer, 4th grade, 28th March, 1878; passed departmental standard examination on the 6th May, 1878; received charge of the Meerut Drainage Sub-Division on 9th October, 1878; promoted to permanent 3rd grade Executive Engineer, 1st June, 1880; transferred to Agra Provincial Division, and joined 27th September, 1880; took charge of the Archaeological Division the same day; made over charge of the Agra Provincial and Archaeological Divisions, 27th October, 1880, and retransferred to Meerut Provincial Division, joined 28th October, 1880; relieved of the Meerut Division, 1st June, 1881; on transfer to Agra Provincial Division, joined 10th June, 1881; promoted to permanent 2nd grade Executive Engineer, 1st November, 1881; appointed to the charge of Agra district, which was placed under Local Committee from 1st April, 1882; relieved of his duties in the Agra Provincial Division, 17th April 1882; on transfer to the charge of Agra district local works, joined 19th April, 1882; transferred to and joined Benares Provincial Division, 10th July, 1882; transferred to Jhānsi Provincial Division, joined 13th January, 1883; retransferred to Agra Division, and received charge on 5th April, 1883.

LEAVE ENJOYED.—Privilege leave from 1st October to 12th November, 1867; from 3rd September to 2nd October, 1875; and from 10th August to 11th September, 1880.

CAPTAIN R. R. PULFORD, ROYAL ENGINEER.—(Born 20th December, 1845.)

SERVICE IN THE MILITARY DEPARTMENT.—First Commission 24th March, 1865; arrived in India, 13th November, 1868; served doing duty officer, Bengal Sappers and Miners, Roorkee and Peshawar, from 1st December, 1868 to 20th February, 1870; promoted Local Captain, 24th March, 1877; to regimental Captain, 17th March, 1878; served with Khyber Line Force, Afghanistan, as Staff Officer of Transport, from 5th November, 1879 to 19th November, 1880.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Appointed to the Public Works Department as 2nd grade Assistant Engineer, and posted to North-Western Provinces as 3rd Assistant Principal, Thomason College, 25th February, 1870; posted Kumaun Provincial Division as a temporary arrangement, 17th April, 1873; transferred to Moradabad Sub-Division of Rohilkhand, Provincial Division, 9th June, 1873; promoted to Assistant Engineer, 1st grade, 14th June, 1873; passed depart-

mental examination, 1st January, 1874; promoted Executive Engineer, 4th grade, 1st March, 1874; employed on special duty at Naini Tal from 26th to 31st October, 1874; temporarily promoted to Executive Engineer, 3rd grade, 20th August, 1875; transferred from Moradabad, 11th August, 1876; and joined Dehra Dun, 17th idem; reverted to Executive Engineer, 4th grade, 30th November, 1876; promoted temporary 3rd grade Executive Engineer, 1st December, 1876; transferred to Agra Provincial Division as District Engineer, 27th January, 1877; reported arrival at Agra, 28th January, 1877; and received charge, 7th February, 1877; reverted to Executive Engineer, 4th grade, 1st March, 1878; on return from furlough transferred to the Military Department for field service; promoted to Executive Engineer, 3rd grade, 1st January, 1880; on return from field service, 20th November, 1880; posted to Lucknow Provincial Division, 7th December, 1880; promoted to Executive Engineer, 2nd grade, 10th August, 1881; transferred to Public Works Secretariat as Personal Assistant to Chief Engineer; received charge on 20th March, 1882; re-transferred to Lucknow Provincial Division, 4th April, 1882; received charge of Sitapur Provincial Division, which was amalgamated with Lucknow Division, 19th April, 1882; temporarily transferred to the Chief Engineer's office on special duty from 13th July, 1882; re-transferred to Lucknow Provincial Division, 1st October, 1882; placed on special duty in connection with Roorkee workshops from 13th December, 1882 to 2nd January, 1883; appointed Personal Assistant to Chief Engineer from 22nd February, 1883.

LEAVE ENJOYED.—Privilege leave from 28th August to 27th October, 1874; from 9th August to 8th October, 1875; from 26th May to 15th June, 1876; from 3rd July to 4th August, 1877; furlough to Europe on private affairs with usual subsidiary leave from 30th April, 1878; embarked on 6th May, 1878; and returned on 31st October, 1879; privilege leave from 2nd September to 1st November, 1881.

W. C. WRIGHT.—(Born 13th June, 1845.)—Passed student of the Thomason Civil Engineering College, Roorkee, joined the Public Works Department as a Probationary Assistant Engineer, and posted to the Fyzabad Division, Oudh, from 31st October, 1864, and joined appointment, 2nd November, 1864; promoted to Assistant Engineer, 3rd grade, from 1st April, 1865; transferred to the 1st Oudh Roads Division from 1st August, 1865; promoted to Assistant Engineer, 2nd grade, from 1st September, 1865; transferred to the Sitapur Public Works Division from 1st December, 1866; passed colloquial examination in Hindustani in August, 1867; held charge of the Sitapur Division from 10th August to 19th October, 1867, as officiating Executive Engineer, 4th grade; promoted to Assistant Engineer, 1st grade, from 1st March, 1868; again held charge of the Division as officiating Executive Engineer, 4th grade, from 20th July to 18th October, 1868, and again from 20th November, 1868; passed lower standard examination in Hindustani on 4th January, 1869, and departmental examination qualifying for promotion to Executive Engineer, on 17th February, 1869, and relinquished charge of Sitapur Division, 20th February, 1869; held charge of the Sitapur Division from 26th October to 28th November, 1870, as Executive Engineer, 4th grade; transferred to the 2nd Oudh Roads Division from 27th December, 1870; promoted to Executive Engineer, 4th grade, from 1st March, 1871; transferred to the charge of the Local Public Works Division, in the Sitapur Division, from 5th September, 1871, but again brought on to the Imperial Establishment on the amalgamation of Local and Provincial Funds from 1st April, 1872, and placed in charge of Sitapur Provincial Division; placed in charge of the Sitapur Sub-Division from 1st February, 1876; on return from furlough posted to the charge of the Moradabad district, Rohilkhand Provincial Division, from 23rd April, 1877; promoted to temporary Executive Engineer, 3rd grade, from 5th April, 1877, and transferred to the Budaun district from 12th September, 1877, in charge of relief works; promoted to Executive Engineer, 3rd grade, permanent, from 1st October, 1877; placed in charge of the Rohilkhand Division from 9th April, 1878 and to the charge of the Bareilly-Pilibhit Railway Division, in addition to other duties, from 5th July, 1879; also to the charge of the Bareilly district from 1st November till 11th December, 1879; promoted to 2nd grade Executive Engineer, 1st June, 1880; held charge of Bareilly district as well from 12th July to 8th September, 1880, and made over charge of Bareilly and Pilibhit Railway Division, 1st October, 1880, and remaining in charge of Rohilkhand Provincial Division only until 1st April, 1882, when on the separation of local works was appointed to the charge of the Rohilkhand Provincial Executive Division.

LEAVE ENJOYED.—Privilege leave from 1st to 30th June, 1867; furlough with usual preparatory leave from 20th April, 1876 to 16th May, 1877; embarked on 17th May, 1876, and returned on 23rd April, 1877.

MAJOR ALLAN JOSEPH CHAMPNEYS CUNNINGHAM, ROYAL ENGINEER.—(Born 29th October, 1842.)

SERVICE IN THE MILITARY DEPARTMENT.—First commission as Lieutenant of Royal Engineers (Bengal Cadre), 8th June, 1860, under instruction at Chatham, 1st October, 1860 to 20th February, 1862; arrived in India, 28th July, 1862; at Roorkee with Sappers and Miners, 1st September, 1862 to 28th April, 1864; Commanding 6th Company Sappers and Miners at Roorkee, from 8th April, 1863 to 19th April, 1864; officiating Quartermaster of the corps of Sappers and Miners from 8th April, 1863 to 28th April, 1864; Assistant Field Engineer, Bhutan Field Force, from 9th December, 1865 to 31st March, 1866; received medal with clasp; at Chatham with head-quarters, Royal Engineers, from 1st November, 1869 to 5th November, 1870; promoted to local Captain, 8th June, 1872; regimental Captain, 3rd August, 1872; promoted to Major, 1st July, 1881.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Appointed probationary Assistant Engineer and posted to Roorkee College as officiating Assistant to Principal, Thomason College, 1st May, 1864; promoted to 2nd grade Assistant Engineer, and posted to the Rohilkhand Roads Division, 20th May, 1865; appointed to the Bhutan Division, 1st April, 1866; relieved 31st October, 1866; on transfer to Shillong Division, joined 1st November, 1866; promoted to 1st grade Assistant Engineer, February, 1867; officiated as Executive Engineer of the Shillong Division from 1st July to 15th October, 1867; appointed officiating Executive Engineer, 4th grade, and appointed Assistant to Chief Engineer, and Assistant Secretary, Public Works Department, from 15th November, 1867 to 31st December, 1867; special duty in Chief Engineer's Office, from 1st January to 9th February, 1868; *en route* to join appointment after return from furlough, from 11th to 19th January, 1871; joined Thomason College, Roorkee, as officiating Assistant Principal, 20th January, 1871; officiated Professor, Mathematics, Thomason College, from 12th April, 1872; posted to the staff of Roorkee College as 1st Assistant Principal, 13th March, 1873, officiated Principal of the College from 29th March, 1876; services placed temporarily at disposal of the Consulting Engineer for State Railways of Government of India, Public Works Secretariat, from 30th July, 1878; service replaced at disposal of Government, North-Western Provinces, from 1st October, 1878; services placed temporarily in the Irrigation Branch from 15th January to 15th May, 1879; appointed to the Public Works Secretariat, as Executive Engineer, 2nd grade, 26th April, 1881; relieved of his duties in the Thomason College, 30th April, 1881, and joined Public Works Secretariat, 7th May, 1881.

LEAVE ENJOYED.—Three weeks' privilege leave in September, 1867; privilege leave from 17th October to 15th November, 1867; furlough on medical certificate from 10th February, 1868 to 30th September, 1869; privilege leave from 28th June to 27th September, 1876; special leave to undergo military examination from 15th January to 14th April, 1881; furlough on private affairs with usual subsidiary leave for one year and one hundred and eighty-two days from 7th May, 1881; embarked on 13th May, 1881.

THIRD GRADE.

F. H. ASHHURST, A.M.I.C.E.—(Born 26th March, 1848.)—Passed the competitive examination, July, 1870; signed articles of agreement, 4th August, 1870; sailed for India, 17th September, 1870; Civil Engineer under covenant; appointed 3rd grade Assistant Engineer and posted to the Panjāb, 25th October, 1870; posted to and joined Lower Sirhind Division, 11th November, 1870; passed lower standard examination in Hindustani in May, 1871; relieved 16th September, 1871; on transfer to Delhi and Ambāla Road Division, joined 17th September, 1871; promoted to 2nd grade Assistant Engineer, 11th November, 1871; transferred to Lower Sirhind Division, January, 1872 and thence to 2nd Rānikhet Division, Military Works, joined 11th May, 1872; promoted to temporary 1st grade Assistant Engineer, 8th February, 1875; passed departmental standard examination in vernacular, 26th August, 1875; promoted to permanent 1st grade Assistant Engineer, 1st November, 1875; promoted to temporary 4th grade Executive Engineer, 19th March, 1877; transferred from 7th to 8th Circle, Military Works; posted to the 1st Rawalpindi Division; reverted to 1st grade Assistant Engineer, 3rd April, 1877; promoted to 4th grade Executive Engineer, temporary rank, 14th April, 1877; left Rānikhet, 5th May, 1877, to join Rawalpindi Division; reported arrival at Rawalpindi, 9th May, 1877; appointed officiating Executive Engineer, Peshawar Division; arrived Peshawar 9th June, 1877; assumed charge 14th June, 1877; made over charge of Peshawar Division, 17th September, 1877; joined Rawalpindi Division, Military Works, as temporary Executive Engineer, 4th grade, 27th October, 1877, and reverted to Assistant Engineer, 1st grade, 20th November, 1877; transferred from Rawalpindi to head-quarters staff of Inspector-General, Military Works; reported departure from Rawalpindi, 9th December, 1877; arrived at Simla, 12th

December, 1877; promoted to Executive Engineer, 4th grade, temporary rank, from 1st November, 1877; reverted to permanent 1st grade Assistant Engineer, 2nd April, 1878; promoted to temporary Executive Engineer, 4th grade, from 10th April, 1878, and reverted from 2nd July, 1878; promoted temporary 4th grade Executive Engineer, 3rd August, 1878; promoted to permanent 4th grade Executive Engineer, 1st January, 1880; transferred to North-Western Provinces and Oudh from 31st December, 1879; reported arrival at Allahabad 30th January, 1880, and posted to and received charge of Kumaun Division, 4th February, 1880; received charge of new Government-house at Naini Tal in addition to Kumaun Division, 8th April, 1880; promoted to permanent 3rd grade Executive Engineer, 12th June, 1880; re-appointed to the charge of Kumaun Division, 1st April, 1882; placed in charge of Kumaun district, under Local Committee on the abolition of Kumaun Provincial Division, 15th August, 1882 (the date of handing over Kumaun Division, Imperial and Provincial Works to Executive Engineer, Rohilkhand Division).

LEAVE ENJOYED.—Privilege leave from 9th to 26th May, 1876, and from 26th September to 26th October, 1877; furlough for 21 months, with 14 days' subsidiary leave, from 10th February, 1879; reported departure from Bombay, 24th February, 1879; reported return at Allahabad on 30th January, 1880, by permission of Secretary of State; and unexpired portion of furlough was cancelled.

R. C. BATTIE.—(Born 25th October, 1842.)

SERVICE IN THE LOCAL WORKS.—Appointed Engineer to the Benares Division, with rank of Civil Divisional Engineer, 3rd grade, 21st November, 1866; transferred as District Engineer of Jalaun district in September, 1869, and promoted to Civil Divisional Engineer, 2nd grade; transferred to Banda district, 3rd March, 1870.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Joined the Public Works Department as Assistant Engineer, 2nd grade, and posted to the charge of Banda Sub-Division of the Allahabad Division, February, 1872; passed examination in vernacular in November, 1873; promoted to 1st grade Assistant Engineer, 1st March, 1874; transferred to the Lalitpur Sub-Division of Jhānsi Provincial Division, 19th November, 1877; transferred to the charge of Fatehpur district, joined 21st November, 1878; transferred to Jaunpur district and received charge 11th December, 1878; transferred to the Fyzabad Provincial Division, and received charge 27th January, 1880; placed in charge of Bahraich district, 22nd April 1880; promoted to 4th grade Executive Engineer, temporary rank 8th November, 1880; transferred to the Benares Provincial Division, Gorakhpur district, from 6th April, 1881; promoted to permanent 4th grade Executive Engineer, 10th August, 1881; on return from furlough posted to the Gonda district, 6th April, 1883; promoted to Executive Engineer, 3rd grade, May, 1883.

LEAVE ENJOYED.—Privilege leave for two months in 1869; leave on medical certificate for four months in 1870; privilege leave from 8th May to 7th August, 1875; and from 5th March to 4th April, 1881; furlough in India from 2nd April, 1882 to 31st March, 1883.

CAPTAIN GEORGE MONTALT BELLASIS, A.I.C.E., BENGAL STAFF CORPS.—(Born 27th June, 1848.)

SERVICE IN THE MILITARY DEPARTMENT.—First commission as Ensign, 107th Foot, 7th August, 1866; promoted to Lieutenant, 26th September, 1867, and admitted to the Staff Corps from that date; came out to India and served in the Hazaribagh from March, 1869 to September, 1870; studied language in Calcutta during latter six months of this period and passed the higher standard examination; served at Dum Dum from October to December, 1870, and at Roorkee from January, 1871 to April, 1873; passed through the Engineering class and also the officer's Survey class at Roorkee College; promoted to Captain 7th August, 1878.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Appointed to the Public Works Department as an Assistant Engineer, 2nd grade, and posted to Public Works Secretariat, North-Western Provinces, as Personal Assistant to Superintending Engineer, joined 14th October, 1873; transferred to Mirzapur district, Benares Provincial Division, 25th March, 1874; promoted to Assistant Engineer, 1st grade, 1st September, 1874; promoted to 4th grade Executive Engineer, temporary, 27th April, 1875; transferred to Bijnor district, Rohilkhand Provincial Division, from 31st March, 1876, and joined Bijnor district, 5th April, 1876, and received charge on 10th idem; reverted to Assistant Engineer, 1st grade, 22nd September, 1876; services placed under Government of Bombay, on famine duty, 30th December, 1876, and posted to Satara Irrigation Division, 26th January, 1877; transferred to Belgawn and Dharwar Irrigation, joined 14th May, 1877; re-transferred to North-Western Provinces and Oudh, joined Bijnor district, Rohilkhand Provincial Division, 10th January, 1878; temporarily promoted to Executive Engineer, 4th grade, from 6th May, 1878; transferred to Lucknow Provincial Division, 8th

May, 1878; transferred to Bahraich district, Fyzabad Provincial Division, joined 14th May, 1878; promoted permanently to Executive Engineer, 4th grade, 1st January, 1880; transferred to Jhānsi district, Jhānsi Provincial Division, 7th February, 1880; services placed under the Director of Agriculture and Commerce from 9th December, 1880; promoted permanently to Executive Engineer, 3rd grade, from 1st November, 1881, and on return from furlough, appointed to the charge of Gorakhpur district, which is placed under Local Committee from 1st April, 1882; transferred to Jhānsi Provincial Division, joined 28th March, 1883.

LEAVE ENJOYED.—Privilege leave from 7th February to 7th May, 1878; and from 31st August to 30th September, 1880; furlough on private affairs from 1st May, 1881 to 25th March, 1882; subsidiary leave to 1st April, 1882.

G. R. BIRD.—(Born 24th November, 1847.)—Passed student of the Roorkee Civil Engineering College, appointed to the Public Works Department as an Engineer Apprentice on 18th September, 1867; and posted to the 2nd Oudh Roads Division, promoted to 3rd grade Assistant Engineer from 1st March, 1868; passed colloquial vernacular and professional departmental examination, 10th August, 1868; promoted to 2nd grade Assistant Engineer on 1st March, 1869; passed lower standard vernacular examination on 7th September, 1869; transferred to Sitapur Division from 1st February, 1871; promoted to Assistant Engineer, 1st grade, from 1st September, 1872; transferred to the Rae Bareilly Provincial Division from 6th May, 1876; promoted to temporary Executive Engineer, 4th grade, on 18th May, and reverted on 26th December, 1876; placed in charge of Sultanpur district from 9th March, 1877; also of the Partabgarh district from 17th April to 5th July, 1877; promoted temporarily to Executive Engineer, 4th grade, from 5th April, 1877; and reverted to Assistant Engineer, 1st grade, from 1st March, 1878, and again promoted temporarily to same grade from 6th May, 1878; appointed to the charge of Rae Bareilly Provincial Division and district from 3rd September, 1879; relieved of Divisional charge on 1st December and again appointed from 19th December, 1879; permanently promoted to Executive Engineer, 4th grade, from 1st January, 1880; relinquished charge of the Division to Captain Beauchamp on 17th November, 1880, and took charge of Rae Bareilly district on the same date; retransferred to the charge of the Rae Bareilly Provincial Division from 29th March, 1881; promoted permanently to Executive Engineer, 3rd grade, from 10th August, 1881; transferred from Rae Bareilly district and appointed to the charge of the Allahabad District Local Works, relieved of the Rae Bareilly district, 18th April, 1882; joined Allahabad district, 27th April, 1882; services temporarily placed at the disposal of the Allahabad Municipality for the purpose of preparing a scheme of the water supply and drainage of Allahabad from 11th December, 1882; transferred to the Benares Provincial Division, where he took charge on 5th April, 1883.

LEAVE ENJOYED.—Privilege leave from 1st to 15th December, 1859; from 18th to 27th November, 1871; from 21st April to 12th July, 1874; and from 18th April to 7th July, 1879.

G. R. McDOWELL.—(Born 16th December, 1845.)—Passed student of the Thomason Civil Engineering College, Roorkee, appointed to the Public Works Department as a Probationary Assistant Engineer and posted to the Panjāb; joined the 4th Division, Bari Doab Canal, on 7th December, 1864; promoted to Assistant Engineer, 3rd grade, on 1st April, 1865; transferred to the North-Western Provinces and posted to the Bundelkhand Roads Division from 19th October, 1865; transferred to the Benares Division, Public Works, from 21st July, 1866; promoted to Assistant Engineer, 2nd grade, on 21st November, 1867; transferred to the 4th Division Grand Trunk Road, from 1st June, 1870; posted to the Agra Provincial Division (Farukhabad Sub-Division) from 1st April, 1872; promoted to Assistant Engineer, 1st grade, from 1st September, 1872; passed lower standard examination in Hindustani on 2nd February, 1874; promoted to Executive Engineer, 4th grade, from 1st March, 1874; promoted to Executive Engineer, 3rd grade, temporary rank, from 22nd July, 1875; reverted to Executive Engineer, 4th grade, from 20th May, 1876; transferred to the Lalitpur district, Jhānsi Provincial Division, from 1st December, 1876; transferred to the Allahabad Provincial Division, and posted to the Banda district from 1st October, 1877; re-transferred to the Jhānsi Provincial Division from 1st October, 1878; reposted to the Banda district, Allahabad Provincial Division, on 4th April, 1879; relieved of his duties in the Allahabad Provincial Division, 15th January, 1880; on transfer to Jhānsi Division, joined 27th January, 1880; promoted permanently to Executive Engineer, 3rd grade, 1st June, 1880; relieved 21st August, 1880, on transfer to Banda Hamirpur district, joined 2nd September, 1880; posted to the Meerut Provincial Division, and took charge, 26th August, 1881; transferred to Jaunpur district and received charge, 12th November, 1881; appointed to the charge of Jaunpur District Local Works from 1st April, 1882; transferred to Lucknow Provincial Division from 13th February, 1883, and thence to the Meerut Provincial Division, Aligarh district, where he joined on 19th April, 1883.

LEAVE ENJOYED.—Privilege leave from 4th to 31st January, 1871; and from 13th May to 12th August, 1881.

C. J. SHERIDAN.—(Born 8th July, 1842.)—Appointed Engineer to the Local Committee, Azamgarh district, 12th February, 1868; appointed to the Public Works Department, on amalgamation of the local funds, as a 2nd grade Assistant Engineer, 1st April, 1872; posted to the Benares Provincial Division; promoted to 1st grade Assistant Engineer, 1st September, 1872; passed lower standard examination in Hindustani, 6th July, 1874; departmental examination, 14th August, 1874; promoted temporary 4th grade Executive Engineer, 1st September, 1874; permanent 4th grade, 23rd February, 1875; transferred to Banda Sub-Division of Allahabad Provincial Division, 23rd April, 1875 and made over charge of the same on 7th August, 1875; on return from leave posted to the charge of opium buildings at Ghazipur, 19th November, 1875; placed in charge of the Ghazipur district from 22nd December, 1875; promoted to temporary 3rd grade Executive Engineer, 17th July, 1878; reverted to 4th grade, 3rd January, 1879; promoted to temporary 3rd grade, 17th January, 1879; transferred to the charge of the Jhansi Provincial Division, 23rd April, 1879; promoted to permanent 3rd grade Executive Engineer, 1st January, 1880; posted to the charge of the Lucknow Provincial Division, 3rd February, 1880; transferred to Benares Provincial Division, 24th February, 1881; relieved of his duties in the Benares Division, 15th September, 1881; on transfer to the charge of the Fyzabad Provincial Division, joined 17th September, 1881; transferred to Meerut Provincial Division, Muzaffarnagar district, 27th October, 1881; posted to Aligarh district, under Local Works on transfer from Muzaffarnagar district, 1st April, 1882, joined on 28th April, 1882.

LEAVE ENJOYED.—Privilege leave for three months from 9th August to 19th November, 1875; leave overstayed by 10 days; privilege leave from 1st August to 30th October, 1880.

CAPTAIN H. A. YORKE, ROYAL ENGINEER.—(Born 3rd June, 1848.)

SERVICE IN THE MILITARY DEPARTMENT.—First commission 13th January, 1869, undergoing instruction at Chatham from February, 1869 to April, 1871; posted 28th corps of Royal Engineers at Aldershot, April to October, 1871; Wimbledon Flying Column and Autumn Manœuvres; transferred to Indian establishment, November, 1871; arrived at Bombay, 26th December, 1871; attached to Sappers and Miners, Roorkee, January to 19th March, 1872; doing duty at Chatham, from November, 1875 to November, 1877; Roorkee, Bengal Sappers and Miners, January to March, 1878; Afghanistan, Assistant Field Engineer, October, 1879 to July, 1880; promoted to Captain, 3rd June, 1881.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Appointed Assistant Engineer, 2nd grade, Irrigation Branch, Central Division, Agra Canal, March, 1872; transferred to 2nd Division, Agra Canal, 17th October, 1872; transferred to Buildings and Roads Branch, and posted to the Meerut Provincial Division, 9th September, 1873; passed lower standard examination in Hindustani, 1st December, 1873; promoted to Assistant Engineer, 1st grade, 1st March, 1874; on return from furlough services placed under the Commander-in-Chief, 21st June, 1875; re-appointed to the Public Works Department as Assistant Engineer, 1st grade, 14th March, 1878; posted to Agra Provincial Division, 23rd March, 1878; passed departmental examination, 3rd May, 1879; services placed at disposal of Military Department for Field Service, 1st October, 1879; promoted to Executive Engineer, 4th grade, permanent, 1st January, 1880; attached to Public Works Secretariat, on special duty, from 2nd September, 1880 to 2nd February, 1881; posted to Meerut Provincial Division, Dehra Dún district, 3rd February, 1881, joined on 15th idem; permanently promoted to Executive Engineer, 3rd grade, 1st November, 1881; services temporarily placed at the disposal of Chief Commissioner, Assam, for service, Golaghat and Kohmia Military Road; relieved of his duties in the North-Western Provinces and Oudh from 1st December, 1881; reported arrival at Golaghat 28th December, 1881; re-transferred to North-Western Provinces and Oudh, 6th April, 1882, joined on 27th idem.

LEAVE ENJOYED.—Special leave to study native languages from 12th June to 8th September, 1873; privilege leave from 19th to 28th August, 1874; furlough to Europe for six months on urgent private affairs with 30 days' preparatory leave from 22nd December, 1874; left Bombay 28th December, 1874; reported arrival at Bombay, 16th June, 1875; subsidiary leave to 21st June, 1875; privilege leave from 22nd July to 11th August, 1880; and from 4th August to 3rd November, 1882; furlough on private affairs for one year with usual subsidiary leave from 6th April, 1883; embarked 13th April, 1883.

FOURTH GRADE.

J. CLEBURNE A.M.I.C.E.—(Born 14th March, 1840.)—Had sole charge of the Municipal Works at Allahabad from 14th July, 1864 to 18th July, 1867; served as Civil Engineer to the Cawnpore Municipality from 19th July, 1867 to 30th October, 1873; appointed to the Public Works Department as Assistant Engineer, 3rd grade, on probation, and posted to the Cawnpore district on 31st October, 1873; permanently appointed to the Public Works Department as an Assistant Engineer, 2nd grade, on 17th June, 1874; promoted to Assistant Engineer, 1st grade, from 23rd February, 1875; passed examination in Hindustani on 26th April, 1876; and lower standard on 1st July, 1878; transferred to Lucknow Provincial Division from 19th October, 1879; and appointed as its Executive Engineer, took charge of the Railway Survey Division from 25th October, 1879; appointed to officiate as Executive Engineer, 4th grade, from 28th October, 1879 to 3rd February, 1880; passed departmental examination, 20th February, 1880; retransferred to Allahabad Provincial Division and received charge of Cawnpore district, 26th February, 1880, and Fatehpur on 27th idem; promoted to Executive Engineer, 4th grade, temporary, 5th March, 1880; reverted on 6th June, 1880; and again temporarily promoted to Executive Engineer, 4th grade, 12th June, 1880; transferred to the charge of the Lalitpur district, Jhānsi Provincial Division, 9th April, 1881; permanently promoted to Executive Engineer, 4th grade, from 1st November, 1881; transferred to the Jhānsi district, 20th December, 1881; transferred to the Banda district, which is placed under the disposal of Local Committee from 1st April, 1882; promoted to Executive Engineer, 3rd grade, *sub. pro tem.* 12th December, 1882; reverted to Executive Engineer, 4th grade, 31st March, 1883; promoted to Executive Engineer, 3rd grade, *sub. pro tem.* 16th June, 1883.

LEAVE ENJOYED.—Privilege leave from 3rd April to 16th May, 1875; from 26th August to 21st November, 1878; from 7th to 20th February, 1880; and from 21st August to 1st October, 1882; furlough for one year from November, 1883.

W. A. FRANCKEN, A.M.I.C.E.—(Born 11th December, 1848.)—Appointed to the Public Works Department as a Covenanted Civil Engineer with the rank of Assistant Engineer, 3rd grade, August, 1870; posted to 1st Division, Sirhind Canal, 25th November, 1870; transferred to 2nd Division, Sirhind Canal, 12th November, 1871; promoted to 2nd grade Assistant Engineer, 24th November, 1871; passed lower standard examination in Hindustani, 16th September, 1872; transferred to North-Western Provinces and returned on 12th April, 1873, and posted to Roorkee Workshops as Deputy Superintendent, joined 16th April, 1873; promoted to 1st grade Assistant Engineer, 1st June, 1875; held charge of Kumaon Iron Works, Dechanri, in 1878; promoted to 4th grade Executive Engineer, temporary rank, 1st January, 1880; appointed to officiate for Superintendent, Roorkee Workshops, from 3rd August, 1880; transferred to Sitapur Provincial Division, 28th April, 1881; on return from leave posted to Superintending Engineer's office, 2nd Circle, joined 21st October, 1881; permanently promoted to 4th grade Executive Engineer, 1st November, 1881; passed departmental examination, 20th January, 1882; transferred to Moradabad district, Rohilkhand Provincial Division, joined 31st January, 1882.

LEAVE ENJOYED.—Special leave to study native languages from 21st June to 20th September, 1872; privilege leave from 4th December, 1874 to 3rd January, 1875; leave on medical certificate from 7th to 29th June, 1875; leave on medical certificate from 21st July to 20th September, 1875; privilege leave from 2nd September to 1st October, 1876; furlough for six months on private affairs with usual subsidiary leave for 30 days from 3rd May to 20th November, 1877; embarked on 14th May, 1877; reported return on 8th November, 1877; privilege leave from 30th July to 20th October, 1881; furlough for 19 months on private affairs, with usual subsidiary leave, from 20th March, 1882; embarked on 1st April, 1882.

W. E. MEARES.—(Born 14th December, 1848.)—Appointed to the Public Works Department as an Assistant Engineer, 2nd grade, from 1st April, 1874, and posted to the Public Works Department Secretariat, North-Western Provinces, on special duty, from that date; transferred to the Rohilkhand Provincial Works as District Engineer, Moradabad, on 20th August, 1874, and assumed charge on 1st September, 1874; passed the lower standard examination on 2nd November, 1874; transferred to the Muttra-Hāthras Light Provincial Railway, 9th November, 1874; promoted temporarily to Assistant Engineer, 1st grade, 23rd February, 1875; permanently promoted to Assistant Engineer, 1st grade, on 21st June, 1875; officiated Executive Engineer in charge of the Muttra and Hāthras Light Provincial Railway from 20th August till 20th November, 1875; transferred to the Cawnpore and Farukhabad Railway Survey, 4th January, 1876; transferred to the Rohilkhand Provincial Division, Moradabad district, 11th August, 1876; passed departmental examination, 11th March, 1877; promoted temporary 4th grade Executive Engineer, 7th April, 1881;

posted to the charge of Moradabad district and to hold charge of State wells at that station, 14th April, 1881; received charge, Moradabad district, 3rd June, 1881; promoted to permanent 4th grade Executive Engineer, 1st November, 1881; transferred from the charge of Moradabad district Public Works and deputed on special duty to Moradabad State wells in the Department of Agriculture and Commerce, 6th January, 1882; relieved 4th May, 1882; on transfer to the charge of Moradabad district local works, received charge the same day; relieved on 19th August, 1882; on transfer to Rohilkhand Provincial Division joined the same day.

LEAVE ENJOYED.—Privilege leave from 4th June to 3rd September, 1877; leave on medical certificate from 1st April, 1880 to 1st April, 1881.

A. W. SLATER.—(Born 14th May, 1851.)—Passed student of the Thomason College, Roorkee, appointed by Government of India as an Apprentice Engineer, employed in Etawah Division, Ganges Canal, from 6th November, 1872 to 19th December, 1872; joined Kásganj Division about 19th December, 1872; transferred to Narora Division, 15th January, 1873; promoted to permanent 3rd grade Assistant Engineer, 1st March, 1873; relieved on 9th October, 1873; rejoined on 8th November, 1873; transferred to Bhogaon Division, 12th December, 1873; relieved on 1st August, 1874; on transfer to Eastern Jumna Canal; passed colloquial examination in Hindustani, 3rd August, 1875; departmental examination, 29th March, 1876; promoted to temporary 1st grade Assistant Engineer, 10th June, 1876; officiated Executive Engineer, Eastern Jumna Canal, from 2nd August to 23rd October, 1876; relieved 5th May, 1877; rejoined 5th August, 1877; posted to Agra Canal on return from leave and joined 5th August, 1877; transferred to Madras Famine Relief Works, 13th August, 1877, and reported his arrival there on 1st September, 1877; assumed charge of his duties, 10th September, 1877; left for South Arcot, 25th February, 1878; reported arrival at Puddalore, 6th March, 1878, and received charge, 12th March, 1878; services replaced at disposal of the Government of India, promoted to permanent 1st grade Assistant Engineer, 28th May, 1878; relieved of his duties in South Arcot, 20th August, 1878; posted to Northern Division on return from furlough, and joined on 5th January, 1880; promoted to temporary 4th grade Executive Engineer, 17th February, 1880; reverted to permanent 1st grade Assistant Engineer, 18th June, 1880; promoted to temporary 4th grade, 12th November, 1880; relieved on 17th January, 1881, on transfer to Buildings and Roads Branch; reverted to Assistant Engineer, 1st grade, 17th January, 1881; posted to the charge of Etawah and Mainpuri districts, Agra Provincial Division, and joined 18th February, 1881; promoted to temporary Executive Engineer, 4th grade, 15th March, 1881; promoted to Executive Engineer, 4th grade, permanent, November, 1881; relieved on 27th April, 1882, on transfer to Farukhabad district, local works, joined 28th April, 1882; transferred to Benares Provincial Division, 15th September, 1882.

LEAVE ENJOYED.—Privilege leave from 9th October to 8th November, 1873; privilege leave from 5th May to 4th August, 1877; furlough on medical certificate for 15 months from 21st September, 1878; reported return from furlough 15th December, 1879; subsidiary leave from 15th December, 1879 to 5th January, 1880; privilege leave from 15th September to 21st October, 1882; leave on medical certificate for 18 months, embarked on 12th July, 1883.

ASSISTANT ENGINEERS.

FIRST GRADE.

W. G. BLIGH.—(Born 1st June, 1846.)—Came out under covenant with Her Majesty's Secretary of State for India, dated 1st July, 1869, as Assistant Engineer, 3rd grade, and posted to the Cawnpore Division, Provincial Works, where he joined on the 26th October, 1869; pay passed from 1st October, 1869; transferred to 1st Division, Agra Canal, joined 23rd March, 1870; passed lower standard examination in October, 1870; promoted to Assistant Engineer, 2nd grade, from 26th October, 1870; promoted to Assistant Engineer, 1st grade, from 1st March, 1873; transferred to the Central Division, Agra Canal, joined 19th June, 1873; officiated as Executive Engineer from 2nd September to 9th October, 1874 during Colonel Pitchard's absence on leave; promoted temporarily to Executive Engineer, 4th grade, from 10th June, 1876; transferred to Meerut Division, Ganges Canal, joined 3rd August, 1876; passed departmental examination in Hindustani on 8th September, 1876; reverted to Assistant Engineer, 1st grade, from 1st March, 1877, and again promoted temporarily to Executive Engineer, 4th grade, from 5th March, 1877; transferred to Mat Branch Extension, Bulandshahr Division, Ganges Canal, of which he was in Executive charge; joined on the 18th October, 1877, having been relieved of his duties in the Meerut Division, Ganges Canal, on the 9th October, 1877; reverted to Assistant Engineer, 1st grade, from 21st January, 1879, and promoted temporarily to Executive Engineer, 4th grade, from 24th February, 1879; transferred to Anupshahr Branch, Ganges Canal, joined on

20th May, 1879, and received charge from Major Harrison on the 13th June, 1879; transferred to Buildings and Roads Branch, on return from leave and posted to the Lucknow Provincial Division, which he joined on the 16th April, 1880, having been relieved of his duties in the Irrigation Branch on the 13th idem; had charge of Divisional Office, Lucknow, from 1st August to 30th October, 1880; reverted to Assistant Engineer, 1st grade, from 15th March, 1881; transferred to the Mirzapur District, Benares Provincial Division, joined on the 11th April, 1881, having been relieved of his duties in the Lucknow Division on the 2nd idem; appointed to the charge of the Mirzapur local district from 1st April, 1882 in consequence of the decentralisation scheme; promoted temporarily to Executive Engineer, 4th grade, from 17th February, 1883; to Executive Engineer, 4th grade, *sub. pro tem.* 16th June, 1883.

LEAVE ENJOYED.—Privilege leave from 16th October to 15th November, 1871; leave on private affairs from 13th February to 2nd April, 1872; privilege leave from 9th May to 2nd August, 1876; and from 16th to 15th December, 1879.

G. A. CAMPBELL.—(Born 27th January, 1849).—Appointed to the Public Works Department as an Assistant Engineer, 2nd grade, and posted to the Fyzabad Provincial Division, Bareilly district, from 5th August, 1873; transferred to relief works, Fyzabad, on 1st March, 1874 and joined Fyzabad Provincial Division, Bareilly district, again on 31st August, 1874; passed examination in Hindustani on 2nd May, 1876; promoted to Assistant Engineer, 1st grade, temporarily from 7th May, 1876 to 30th October, 1877; passed lower standard examination, in Hindustani on 7th May, 1877; promoted to Assistant Engineer, 1st grade (temporary) from 1st November, 1877; transferred to the Lucknow Light Railway Survey Division from 18th May, 1878; confirmed as Assistant Engineer, 1st grade, on 1st August, 1878; placed in executive charge of the Division on 13th October, 1878; transferred to the Farukhabad Light Railway from 18th April, 1879; transferred to the Meerut Provincial Division, Aligarh district, which he joined on afternoon of 4th January 1880, and took charge 7th January, 1880; assumed charge of Bulandshahr district on return from leave on 11th December, 1880; temporarily promoted to Executive Engineer, 4th grade, from 30th March, 1881; reverted to Assistant Engineer, 1st grade, 7th April, 1881; passed departmental standard examination, 10th April, 1881; promoted temporarily to Executive Engineer, 4th grade, 10th August, 1881; reverted to Assistant Engineer, 1st grade, 10th October, 1881; relieved of the Aligarh and Bulandshahr districts, 28th April, 1882; on transfer to Divisional Office, joined 29th April, 1882; relieved of his duties in the Meerut Divisional Office, 19th July, 1882; on transfer to Jhānsi, Provincial Division, received charge on July, 1882; to revert to substantive appointment on being relieved; transferred to the Railway Branch for which he left on the 13th January, 1883, and reported arrival at Allahabad on 18th idem; promoted to Executive Engineer, 4th grade, *sub. pro tem.* from 12th December, 1882; reverted to temporary rank from 13th March, 1883.

LEAVE ENJOYED.—Privilege leave from 31st July to 31st August, 1874; from 31st July to 1st October, 1877; and from 8th September to 7th December, 1880; furlough for one year from 15th September, 1883.

CHANDRA MOHAN RAE.—(Born 22nd July, 1850).—Passed student of the Presidency College; appointed to the Public Works Department as an Engineer Apprentice, and posted to the Lucknow Public Provincial Division; joined 12th October, 1874; promoted to Assistant Engineer, 3rd grade, from 1st April, 1876; placed in charge of the Bara Banki district on 18th April, 1876; passed departmental examination on 27th July, 1877, from which date he was promoted to Assistant Engineer, 2nd grade; passed colloquial examination on 31st August, 1877; transferred to the Benares Provincial Division, Azamgarh district, of which he received charge on 19th April, 1881 having made over charge of the Bara Banki district on the 14th idem; promoted permanently to Assistant Engineer, 1st grade, from 1st November, 1881; appointed to the charge of Azamgarh district which is placed at the disposal of the Local Committee from 1st April, 1882.

LEAVE ENJOYED.—Privilege leave from 3rd September to 11th November, 1879.

A. C. CRAMPTON.—(Born 8th February, 1852).—Passed student of the Royal Indian Engineering College, Coopers Hill, joined the service on 1st October, 1874; arrived in India in December, 1874, and posted to the Nagpur Division, Central Provinces, as an Assistant Engineer, 2nd grade, on 9th December, 1874; transferred to the Eastern Division, joined 14th August, 1875; transferred to the North-Western Provinces and posted to the Agra Division from 2nd October, 1875; transferred to the Archaeological Division, 12th December, 1875; transferred to the Muttra and Hathras Light Railway on 9th February, 1876; and retransferred to the Archaeological Division on 13th July, 1876; transferred to the Meerut Provincial Division on 1st November, 1876; passed lower standard examination on 3rd July, 1876; promoted to Assistant Engineer, 1st grade, temporary rank, from 5th April,

1877; passed departmental standard examination, 4th August, 1877; employed in Public Works Secretariat 8th to 11th October, 1877; transferred to Kumaun Provincial Division 30th December, 1877; reverted to Assistant Engineer, 2nd grade, 28th March, 1878; and again promoted to Assistant Engineer, 1st grade, temporarily from 6th May, 1878; passed higher standard examination on 7th October, 1878; promoted to Assistant Engineer, 1st grade, permanent June, 1880; on return from leave joined Benares 11th October, 1880; took charge of the Benares district, 21st October, 1880; transferred to the Azamgarh district and received charge on 15th December, 1880; transferred to the Bijnor district, Rohilkhand Provincial Division, and promoted to temporary 4th grade Executive Engineer, 1st November, 1881; appointed to the charge of Kumaun District Local Works, 1st April, 1882; posted to the charge of the Garhwal District Local Works, 13th July, 1882; transferred to Provincial Works and posted to Allahabad Provincial Division, 31st December, 1882.

LEAVE ENJOYED.—Privilege leave from 16th July to 11th October, 1877, and from 31st May to 31st July, 1879; furlough on medical certificate for 13 months, with usual subsidiary leave, from 18th August, 1879; embarked on 10th September, 1879; and returned on 8th October, 1880; furlough in India from 7th August to 6th October, 1881.

R. R. DEASE.—(Born 3rd May, 1852.)—Appointed to the Public Works Department as an Engineer Apprentice and posted to the Fyzabad Provincial Division from 6th June, 1872, and held charge of the Gonda district for three or four months; transferred to the Rae Bareilly Division and was in charge of the Partabgarh district from 22nd December, 1872 to 23rd February, 1873; transferred to the Lucknow Provincial Division from 24th February, 1873, and posted to the Bara Banki district; promoted to Assistant Engineer, 3rd grade, from 1st September, 1873; transferred to the Rae Bareilly Provincial Division, Sultanpur district, from 12th March, 1874; passed departmental examination and promoted to Assistant Engineer, 2nd grade, from 22nd April, 1875; posted to charge of Partabgarh district from 17th March, 1877; passed colloquial examination in Hindustani on 10th August, 1877; transferred to the Rohilkhand Provincial Division Bijnor district, from 20th April, 1879; promoted to permanent 1st grade Assistant Engineer 1st June, 1880; held charge of Moradabad and Bijnor districts from April to 1st October, 1880, and then of Moradabad alone to 12th May, 1881; appointed to the charge of Unao District Provincial Works, 12th August, 1881, which district has been placed under Local Committee from 1st April, 1882; passed departmental standard examination in Hindustani, 3rd July, 1882; promoted temporarily to Executive Engineer, 4th grade, from 12th December, 1882, and reverted to Assistant Engineer, 1st grade, 31st March, 1883; again promoted temporarily to Executive Engineer, 4th grade, from 1st May, 1883.

LEAVE ENJOYED.—Privilege leave from 5th May to 4th July, 1877; and from 12th May to 11th August, 1881.

DHARANIDHAR BANARJI.—(Born 16th July, 1852.)—Passed student of the Presidency College, appointed to the Public Works Department as an Engineer Apprentice, and joined Fyzabad Provincial Division on the 15th October, 1874; took over charge of the Bahraich district on the 22nd October, 1874; promoted to Assistant Engineer, 3rd grade, on 1st April, 1876; received charge of the Gonda district on 13th July, 1876; passed departmental examination on 27th July, 1877, and was promoted to Assistant Engineer, 2nd grade, from that date; passed lower standard examination in Hindustani on 6th January, 1879; permanently promoted to Assistant Engineer, 1st grade, from 1st November, 1881; appointed to the charge of the Gonda District Local Works from 1st April, 1882; transferred to the Ballia Local Works on 11th April, 1883.

LEAVE ENJOYED.—Privilege leave from 1st to 11th December, 1876; and from 6th September to 1st December, 1880.

J. H. P. FORSYTH.—(Born 18th October, 1852.)—Passed student of the Royal Indian Engineering College, Coopers Hill, appointed to the Public Works Department as an Assistant Engineer, 2nd grade, from 1st October, 1875; arrived in India 15th November, 1875; posted to the Secunderabad Division, Hyderabad, 18th November, 1875; passed lower standard examination in Hindustani, 6th March, 1876; transferred to the West Berar Division 26th September, 1877, joined 5th October, 1877; passed departmental examination qualifying for promotion to 1st grade Assistant Engineer, November, 1877; transferred to the North-Western Provinces Light Railways, 5th May, 1878; and joined Bareilly-Pilibhit Railway Survey Division, 28th May, 1878; transferred to the Jaunpur Light Railway Survey, joined 25th October, 1878; transferred to the Gorakhpur Light Railways, joined 6th March, 1879; on the abolition of the Railway Survey Division transferred to the Benares Provincial Division and received charge of the Mirzapur district, 31st Octo-

ber, 1879; promoted to 1st grade Assistant Engineer, permanent rank, 1st June, 1880; appointed to the charge of Lucknow Divisional office, 1st September, 1880 to 2nd November, 1881, and took charge of Lucknow district on same date, appointed to officiate as Executive Engineer, Lucknow Division, in addition to his own duties, and received charge on 18th March, 1882; passed Departmental Standard Examination, 20th March, 1882; promoted to temporary 4th grade Executive Engineer, 1st April, 1882 and transferred to Lucknow Provincial Division from that date; appointed to hold charge of the Division from 11th July, 1882.

LEAVE ENJOYED.—Special leave to study native language from 31st December, 1875 to 30th March, 1876; privilege leave from 10th July to 9th October, 1879; from 1st to 31st August, 1880; and from 10th to 25th June, 1882; furlough for 12 months on medical certificate with usual subsidiary leave from 16th February, 1883; embarked from Bombay, on 23rd February, 1883.

C. H. HOLME, A.M.I.C.E.—(Born 27th September, 1853.)—Passed student of the Royal Indian Engineering College, Coopers Hill, appointed by Her Majesty's Secretary of State for India as an Assistant Engineer, 2nd grade, from 1st October, 1876; arrived in India 23rd November, 1876; posted to the North-Western Provinces, Meerut Provincial Division, Meerut district, 20th December, 1876; transferred to the Sahāranpur district 13th January, 1877; transferred to the Rohilkhand Provincial Division, Shāhjānpur district, 24th March, 1878; retransferred to the Meerut Division and posted to Dehra Dūn district 1st April to 21st June, 1878, transferred to Sahāranpur district 25th June to 3rd October, 1878; retransferred to the Dehra Dūn district 7th October, 1878; appointed to the charge of Aligarh and Bulandshahr districts, and received charge on 6th and 7th September, 1880, respectively; passed departmental examination as prescribed in Public Works Code, chapter II, section 1, paragraphs 16—18, 19th October, 1880; transferred to the charge of Muzaffarnagar district, 20th December, 1880; passed colloquial examination 15th April, 1881; posted to Meerut district 25th April, 1881; in addition to his own duties will have charge of Muzaffarnagar district from 30th July, 1881; permanently promoted to Assistant Engineer, 1st grade, 1st November, 1881; appointed to Meerut Provincial Division 1st April, 1882; passed departmental standard examination as prescribed in Public Works Department Code, chapter II, section 1, para 21, 8th April, 1882.

LEAVE ENJOYED.—Privilege leave from 22nd October to 1st November, 1877; privilege leave for three months from 18th April to 23rd July, 1881; overstayed by five days, and forfeited pay for those days.

G. J. JOSEPH.—(Born 4th December, 1849.)—Passed student of the Presidency College, appointed as an Apprentice Engineer, posted to and joined the Jhānsi Provincial Division, Buildings and Roads Branch, on 23rd May, 1872; promoted to Assistant Engineer, 3rd grade, 22nd September, 1873; transferred to the Jalaun district and took over charge on 1st March, 1874; passed lower standard examination in Hindustani, and promoted to Assistant Engineer, 2nd grade, 23rd December, 1873; transferred to the Benares Provincial Division, and posted to the Azamgarh district on 30th September, 1875; promoted to temporary Assistant Engineer, 1st grade, from 1st December, 1875; passed departmental examination on 1st August, 1877; took over charge of the Ghāzipur district on 13th November, 1879; promoted permanently to Assistant Engineer, 1st grade, 1st January, 1880; and temporarily to Executive Engineer, 4th grade, 1st November, 1881; transferred to Ghāzipur Sub-Division of the Benares Provincial Division, and received charge on 1st April, 1882.

LEAVE ENJOYED.—Leave on medical certificate from 14th July, 1874 to 14th August, 1875; leave to study native languages from 17th June to 16th September, 1877; privilege leave from 11th August to 10th September, 1878; and from 10th August to 21st October, 1882.

A. S. KNOLLES.—(Born 31st January, 1848.)—Appointed to the Public Works Department as an Assistant Engineer, 3rd grade, on probation, and posted to the Indus Valley State Railway, Upper Sind district, which he joined on 8th December, 1873; transferred to Rehti Division, joined 1st January, 1874; transferred to Larkhana Division, which he joined on 28th October, 1874, having been relieved of his duties in the Rehti Division on the 4th October, 1874; transferred to Ghotki Division, joined 22nd April, 1875; confirmed in his appointment as Assistant Engineer, 3rd grade; having passed the prescribed examination, promoted to Assistant Engineer, 2nd grade, from 9th March, 1878; passed colloquial examination in Hindustani, on 25th March, 1879; on return from leave, posted to Sukkur Division, joined on 10th July, 1880; transferred to Lucknow Division, joined on the 17th August, 1880; relieved of his duties in the Sukkur Division on the 16th August, 1880; transferred to Patna-Bahnāich Railway from 21st March, 1881; transferred from Railway Branch to the Hardoi district, Sitapur Provincial Division, which he

joined on the 20th January, 1882, having reported departure from the Railway Branch on the 3rd January, 1882; temporarily employed in the Bara Banki district, Lucknow Provincial Division, from 4th to 13th January, 1882; promoted to Assistant Engineer, 1st grade, from 21st January, 1882; placed under Local Committee from 1st April, 1882.

LEAVE ENJOYED.—Privilege leave from 4th October to 3rd November, 1877; from 16th June to 19th July, 1880; from 23rd September to 19th October, 1881; and from 13th September to 12th November, 1882.

P. McKENZIE.—(Born 7th August, 1842.)—Appointed to the Public Works Department, North-Western Provinces, as an Overseer, 1st grade, temporary rank, from 1st September, 1865, and posted to Meerut Division, Provincial Works; made permanent on 1st September, 1866; transferred to 6th Division, Grand Trunk Road, and joined on 3rd June, 1867, and took charge of Sahāranpur Sub-Division, 18th June, 1867, having left Meerut on 3rd idem; transferred to 3rd Circle, Provincial Works, and posted to the Gwalior Road Division, joined in December, 1867; transferred to Gwalior Division under Central India; promoted to Supervisor, 2nd grade, from 1st September, 1868; had charge of the extensive works in E. I. L., and was allowed Rs. 50 per mensem in addition to his substantive pay; obtained discharge from the Army from 2nd February, 1871, and re-appointed to the Public Works Department in the same grade as a Civilian; passed lower standard examination in Hindustani on 3rd July, 1871; transferred to Military Works Branch, for which he left on 31st March, 1872, and posted to the Morar Division, Military Works, joined on 1st April, 1872; transferred to Meerut Division, Military Works, joined 27th May, 1874; promoted temporarily to Supervisor, 1st grade, from 12th April, 1875; transferred to Bareilly Division, Military Works, from 21st July, 1875; permanently promoted to Assistant Engineer, 3rd grade, from 19th October, 1875 (as a special case); having passed the prescribed examination, promoted to Assistant Engineer, 2nd grade, from 25th October, 1876; transferred to Chakrata Division, Military Works, joined 26th April, 1879; left Bareilly on 21st idem; appointed to officiate as Executive Engineer, Chakrata Division, Military Works, from 6th April, 1880; promoted to Assistant Engineer, 1st grade, from 24th October, 1880; made over charge of the Chakrata Division on 9th November, 1880; passed departmental standard examination in Hindustani on 21st November, 1881; held charge of the Chakrata Division from 17th December, 1881 to 2nd January, 1882; transferred to North-Western Provinces and Oudh Provincial Branch, and was relieved of his duties in the Military Works Branch on the 11th February, 1882; posted to Meerut Provincial Division, Dehra Dūn district, which he joined on 31st March, 1882; services placed under Local Committee, Dehra Dūn; temporarily promoted to Executive Engineer, 4th grade, from 5th April, 1882, and reverted to Assistant Engineer, 1st grade, from 27th April, 1882.

LEAVE ENJOYED.—Privilege leave from 1st August to 15th September, 1867; and from 1st to 31st August, 1872.

MAHENDRA NATH CHAKRABARTI B.A.—(Born 7th December, 1850.)—Passed student, Thomason College, Roorkee, appointed by Government of India an Apprentice Engineer; posted to and joined Rasulabad Division, Lower Ganges Canal, 23rd October, 1875; relieved 4th January, 1876; on transfer to Bhongaon Division (afterwards called Mainpuri Division), joined 9th January, 1876; promoted to 3rd grade Assistant Engineer, 20th February, 1877; passed colloquial examination in Hindustani 29th January, 1878; passed departmental examination, and promoted to 2nd grade Assistant Engineer, 21st June, 1878; relieved on 8th January, 1880; on transfer to Kāsganj Division (afterwards amalgamated with Narora), joined 11th January, 1880; promoted to 1st grade Assistant Engineer, 1st November, 1881; passed departmental standard examination in Hindustani 20th March, 1882; relieved 10th August, 1882; on transfer to Mainpuri Division Lower Ganges Canal, joined 12th August, 1882; passed examination in Canal Law, October, 1882, and invested with magisterial powers, April, 1883.

LEAVE ENJOYED.—Privilege leave from 25th September to 24th October, 1876; from 4th to 18th February, 1878; and from 17th May to 16th August, 1881.

H. G. PASSANAH.—(Born 21st November, 1849.)—Passed student of the Thomason College, Roorkee; appointed to the Public Works Department as an Apprentice Engineer, and posted on special duty to the Sahāranpur Drainage Works in August, 1872; promoted to Assistant Engineer, 3rd grade, from 1st September, 1873; passed departmental examination on 11th November, 1874, and promoted to Assistant Engineer, 2nd grade, from that date; passed higher standard examination in Hindustani on 5th July, 1875; had executive charge of the Drainage Works Division from 17th July to 16th October, 1876; promoted to Assistant Engineer, 1st grade (temporary) from 27th May, 1877, and reverted from 1st March, 1878; transferred to

the Rohilkhand Provincial Division from 28th July, 1878 ; retransferred to Meerut Provincial Division, on 26th September, 1878 ; promoted to temporary Assistant Engineer, 1st grade, from 8th August, 1878 to 24th February, 1879 ; received temporary charge of the Muzaffarnagar district, 2nd April, 1880 ; promoted permanently to Assistant Engineer, 1st grade, 1st June, 1880 ; transferred to Kheri district, Sitapur Provincial Division, and received charge on 10th December, 1880 ; promoted temporarily to Executive Engineer, 4th grade, 1st November, 1881 ; appointed temporarily to the charge of Sitapur Provincial Division in addition to his own duties as District Engineer, Kheri, and received charge on 20th March, 1882 ; made over charge of Sitapur Provincial Division, 19th April, 1882 ; reverted to Assistant Engineer, 1st grade, 2nd April, 1883 ; and again promoted temporarily to Executive Engineer, 4th grade, 6th April, 1883.

LEAVE ENJOYED.—Privilege leave from 11th May to 10th July, 1876.

RAMKRISHNA MUKARJI.—(Born 16th June, 1840.)—Appointed to the Dacca Division, Bengal, as a probationary Assistant Overseer from 14th March, 1863 ; transferred to the Chittagong Division as a permanent Assistant Overseer from 1st January, 1864 ; transferred to the North-Western Provinces, and posted to the 2nd Allahabad Division, Public Works, from 28th September, 1866 ; transferred to the Benares Division, Public Works, 12th December, 1867 ; promoted to Overseer, 1st grade, from 1st April, 1869 ; promoted to Assistant Engineer, 3rd grade, from 30th August, 1869 ; transferred to the 3rd Division, Grand Trunk Road, from 7th March, 1870 ; promoted to Assistant Engineer, 2nd grade, from 16th August, 1871 ; transferred to the Rohilkhand Provincial Division, Bijnor district, from 1st April, 1872 ; reduced to Assistant Engineer, 3rd grade, from 15th October, 1873 ; transferred to the Meerut Provincial Division, and posted to the Saharanpur district from 29th November, 1873 ; transferred to Bengal for famine duty, and posted to the Saran district by the Commissioner of Patna, from 18th March, 1874, joined 13th April, 1874 ; re-transferred to the North-Western Provinces from 4th April, 1875, and posted to the charge of Mainpuri district, Agra Provincial Division, joined 16th May, 1875 ; transferred to the Bulandshahr district of the Meerut Provincial Division from 22nd May, 1875 ; held additional charge of the Aligarh district from 2nd September to 6th November, 1875 ; promoted to Assistant Engineer, 2nd grade, temporary rank, from 22nd July, 1876 ; permanently promoted to Assistant Engineer, 2nd grade, 1st October, 1877 ; held charge of the Aligarh district also from 29th June to 4th November, 1878 ; promoted to permanent 1st grade Assistant Engineer, 1st June, 1880 ; posted to the Fyzabad Provincial Division, on return from furlough ; received charge of the Bahraich district, 5th March, 1881 ; passed colloquial examination in Hindustani, 14th November, 1881 ; appointed to the charge of Bahraich district local works, 1st April, 1882.

LEAVE ENJOYED.—Leave on medical certificate from 28th June to 27th September, 1866 ; privilege leave from 20th September to 18th October, 1867 ; from 9th September to 8th October, 1869 ; from 1st September to 1st November, 1870 ; from 15th December, 1873 to 14th January, 1874 ; and from 3rd May to 17th July, 1876 ; furlough in India from 1st March, 1880 to 5th March, 1881.

HONORARY LIEUTENANT PHILIP JUSTIN RYAN.—(Born 2nd February, 1837.)

SERVICE IN THE MILITARY DEPARTMENT.—Promoted from Sergeant 91st Foot to Sub-Conductor, 12th August, 1873 ; to Conductor, 23rd May, 1879 ; and to Deputy Assistant Commissary, 10th January, 1883 ; promoted to the rank of Honorary Lieutenant, 11th January, 1883.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Passed student, second department, Thomason College ; appointed Probationary Assistant Overseer and posted to Bareilly Provincial Division, 30th October, 1862 ; having completed the term of probationary period on 30th October, 1863, was permanently appointed to the Department as Assistant Overseer ; promoted to Overseer, 1st grade, 1st April, 1865, and to Supervisor, 2nd grade, 1st September, 1867 ; transferred to and joined Meerut Provincial Division, 11th November, 1868 ; relieved 15th December, 1870, on transfer to the Irrigation Branch, and joined 1st Division, Agra Canal, 30th December, 1870 ; retransferred to and joined Meerut Provincial Division, 2nd October, 1872 ; promoted to Supervisor, 1st grade, 1st September, 1873 ; transferred to and joined Kumaun Provincial Division, 14th May, 1875 ; promoted to Sub-Engineer, 3rd grade, 1st August, 1875 ; transferred to and joined Meerut Provincial Division, 15th December, 1877 ; promoted to Sub-Engineer, 2nd grade, 20th September, 1878, and to 1st grade, 1st October, 1880 ; on return from furlough posted to and joined Kumaun Provincial Division, 13th January, 1881 ; transferred to and joined Rohilkhand Provincial Division, 15th August, 1882 ; promoted to Assistant Engineer, 1st grade, 11th January, 1883.

LEAVE ENJOYED.—Privilege leave from 5th July to 4th August, 1866; from 15th July to 14th October, 1871; and from 2nd May to 15th July, 1874; leave on medical certificate from 1st October, 1874 to 13th May, 1875; furlough on medical certificate for two years with necessary subsidiary leave from 3rd April, 1880; embarked on 18th April, 1880; reported arrival on 5th January, 1881, and assumed charge of his duties on 13th idem.

SHEO NATH, B.A.—(Born 21st February, 1849.)—Passed student of the Roorkee Civil Engineering College; posted to the 1st Circle, North-Western Provinces, late Sahāranpur Division, as an Apprentice Engineer from 25th October, 1871; transferred to the Allahabad Provincial Division, Allahabad district, from 1st April, 1872; promoted to Assistant Engineer, 3rd grade, from 1st March, 1873, and transferred to the Benares Provincial Division, Ghāzipur district; transferred to the Jhānsi Provincial Division from 29th January, 1874, and posted to charge of Jhānsi district; passed examination qualifying for promotion to Assistant Engineer, 2nd grade, in September, 1876, and was promoted to that grade from 10th October, 1876; services placed at the disposal of the Collector of Mirzapur for duty on the Kantit estate from 16th January, 1877; transferred to the Benares Provincial Division from 29th September, 1877; posted to the charge of Lalitpur district, Jhānsi Provincial Division, from 23rd October, 1877; transferred to Benares Division, and posted to the charge of the Benares district from 5th December, 1877; exempted from passing colloquial examination, 5th December, 1877; transferred to the Lucknow Railway Survey Division from 20th April, 1878; transferred to the Railway Survey Division from 24th April, 1879; transferred to the Agra Provincial Division, and placed in charge of the Etah district, 5th August, 1879; on transfer from Etah received charge of Mainpuri district, 31st December, 1879, and Etawah district, 12th January, 1880; promoted to permanent 1st grade Assistant Engineer, 12th June, 1880; relieved on 18th February, 1881; on transfer to Allahabad Provincial Division, posted to Cawnpore-Fatehpur Sub-Division, joined 5th March, 1881; appointed to the charge of Cawnpore District Local Works, 1st April, 1882.

LEAVE ENJOYED.—Privilege leave from 30th September to 22nd October, 1877; and from 24th April to 23rd July, 1879.

L. B. SIMEON, A.M.I.C.E.—(Born 6th November, 1852.)—Passed student of the Royal Indian Engineering College, Coopers Hill, appointed to the Public Works Department by Her Majesty's Secretary of State for India as an Assistant Engineer, 2nd grade, from 1st October, 1876; arrived in India on 27th November, 1876; posted to the Sitapur Provincial Division from 2nd December, 1876; passed departmental examination qualifying for promotion to Executive Engineer on 7th August, 1877; posted to the charge of Sitapur district from 18th April, 1878 to 16th August, 1879; rejoined Sitapur Provincial Division on return from leave, and posted to the charge of the Sitapur district from 5th November, 1879; transferred to the charge of the Hardoi district from 27th December, 1879; promoted to Assistant Engineer, 1st grade, from 1st September, 1880; passed higher standard examination on 4th July, 1881; promoted temporarily to Executive Engineer, 4th grade, from 1st December, 1881, and reverted to Assistant Engineer, 1st grade, from 31st idem; transferred to Kumaun district, which he joined on 30th January, 1882; again temporarily promoted to Executive Engineer, 4th grade, from 1st February, 1882; reverted to Assistant Engineer, 1st grade, from 26th March, 1882; promoted temporarily to Executive Engineer, 4th grade, from 1st April, 1882, from which date he was transferred to the Kumaun Provincial Division; reverted to Assistant Engineer, 1st grade, from 5th May, 1882; had charge of the Imperial and Provincial Works of Kumaun, which Division has been amalgamated with the Rohilkhand Provincial Division; promoted temporarily to Executive Engineer, 4th grade, from 1st August, 1882; and reverted to Assistant Engineer, 1st grade, from 22nd November, 1882; appointed on special duty to the charge of the Rānībāgh and Rānīkhet Cart Road Survey on the 27th October, 1882, on which date he was relieved of the charge of the Naini Tal Sub-Division, Rohilkhand Provincial Division; resumed charge of the Naini Tal Sub-Division on the 12th February, 1883; and was again relieved of the charge of it and returned to the charge of the Rānībāgh and Rānīkhet Road Survey on the 7th April, 1883; promoted to Executive Engineer, 4th grade, temporary rank, 6th September, 1883.

LEAVE ENJOYED.—Privilege leave from 17th August to 31st October, 1879; leave to study the native languages from 10th April to 10th July, 1881.

S. J. SIMPSON.—(Born 5th March, 1844.)—Brought on from the local funds establishment, on the amalgamation of the Provincial Works, as an Assistant Engineer, 3rd grade, on probation, and subsequently confirmed in his appointment from 1st April, 1872; posted to the Lucknow Provincial Division; transferred to Rae Bareilly Provincial Division, joined on 8th November, 1872; left Lucknow on 6th idem; transferred to Fyzabad Provincial Division, joined 19th December, 1874;

left Rae Bareilly on 15th idem; promoted to Assistant Engineer, 2nd grade, from 22nd April, 1875, having passed the prescribed examination; passed colloquial examination in Hindustani on 23rd June 1876; promoted temporarily to Assistant Engineer, 1st grade, from 18th May, 1876, and reverted to Assistant Engineer, 2nd grade, from 1st December, 1876; on return from leave appointed as Assistant to Executive Engineer, Fyzabad Provincial Division; transferred to Rae Bareilly Division as a temporary measure for which he left on 18th, and joined on 19th February, 1878; retransferred to Fyzabad Provincial Division, for which he left on 2nd April, 1879, and joined on 6th idem; transferred to Fatehgarh district, Agra Provincial Division; took charge of the Fyzabad Provincial Division as a temporary measure on the 7th August, 1878, and made over charge of the same on the 12th idem, on which he left for Fatehgarh district; received charge of Fatehgarh on the 19th August, 1878; transferred to Agra district and made over charge of the Fatehgarh district on the 22nd January, 1880; promoted to Assistant Engineer, 1st grade, from 1st June, 1880; transferred to the charge of the Muttra and Etah districts, and received charge of the former district on 17th September, 1880, and of the latter on the 29th January, 1881, and made over charge of Agra district on 9th February, 1881; made over charge of the Etah district on 15th June, 1881; made over charge of the Muttra district on 18th March, 1882; appointed to the charge of Etawah district from 1st April, 1882 under Local Committee; passed departmental examination on 2nd September, 1882; promoted (temporary) Executive Engineer, 4th grade, from 22nd September, 1883.

LEAVE ENJOYED.—Privilege leave from 3rd July to 2nd August, 1873; from 3rd July to 3rd October, 1877; and from 6th August to 7th November, 1883.

A. R. SUTHERLAND.—(Born 16th April, 1854.)—Passed student of the Royal Indian Engineering College, Coopers Hill; appointed to the Public Works Department by Secretary of State for India as an Assistant Engineer, 2nd grade, 1st October, 1876; arrived in India 23rd November, 1876; posted to the North-Western Provinces and joined the Allahabad Provincial Division, 18th December, 1876; transferred to the Dehra Provincial Division, 8th February, 1877; transferred to the Bareilly district of the Rohilkhand Provincial Division, 14th September, 1877; transferred to the special Drainage Division, 6th February, 1878; transferred to the Lucknow Railway Survey Division, 17th April, 1878; transferred to the Benares Drainage Works Division, 24th April, 1879; passed lower standard examination in Hindustani, 15th January, 1880; transferred to Fyzabad Provincial Division, joined 21st August, 1880; transferred to Cawnpore-Farakhabad Railway, 24th December, 1880; promoted to Assistant Engineer, 1st grade, 31st December, 1880; joined Cawnpore-Farakhabad Railway, 22nd January, 1881; retransferred to Buildings and Roads Branch, and posted to Bijnor district, Rohilkhand Provincial Division, 3rd September, 1881; on return from leave posted to Bareilly-Pilibhit district, 14th November, 1881; made over charge of the Pilibhit district, 1st March, 1882; passed departmental standard examination on 15th March, 1882; transferred from Bareilly district to Divisional Office, Rohilkhand, joined 1st April, 1882; services temporarily placed at disposal of the Engineer-in-Chief, Provincial Railways, North-Western Provinces, 29th November, 1882; retransferred to Buildings and Roads Branch, and posted to the Lucknow Provincial Division, 2nd March, 1883.

LEAVE ENJOYED.—Privilege leave from 1st to 31st January, 1879; special leave for three months to study native languages from 11th August to 10th November, 1879; privilege leave from 8th October to 7th November, 1881.

H. C. E. VERNON, A.M.I.C.E.—(Born 28th September, 1851.)—Passed student of the Royal Indian Engineering College, Coopers Hill, appointed to the Public Works Department by the Secretary of State for India from 1st October, 1874; as an Assistant Engineer, 2nd grade, arrived in India on 4th December, 1874, and posted to the Lucknow Provincial Division; received charge, Lucknow district, 21st December, 1874; passed lower standard examination in Hindustani on 1st November, 1875; made over charge, Lucknow district, on 8th February, 1876, and went on leave; on return from leave posted to the charge of the Khari district, Sitapur Provincial Division; promoted temporarily to Assistant Engineer, 1st grade, from 1st December, 1876; received charge of Khari district 15th December, 1876, and reverted to Assistant Engineer, 2nd grade, 27th December, 1876; temporarily promoted to Assistant Engineer, 1st grade, from 15th May, 1877; passed departmental examination 31st August, 1877; reverted to Assistant Engineer, 2nd grade, 20th December, 1877; temporarily promoted to Assistant Engineer, 1st grade, from 21st December, 1877; reverted to Assistant Engineer, 2nd grade, 1st March, 1878; again promoted temporarily to Assistant Engineer, 1st grade, from 29th March, 1878; promoted permanently to Assistant Engineer, 1st grade, 1st January, 1880; transferred to Meerut Provincial Division, for which he left on 29th October, 1880; joined on 1st November, 1880; posted to the Saharanpur district, of which he received charge on 15th Novem-

ber, 1880; held charge, as a temporary measure and in addition to his own duties, of the Muzaffarnagar district from 16th November to 20th December, 1880; and of Dehra Dún district from 3rd January to 15th February, 1881; and of Muzaffarnagar district from 18th April to 30th July, 1881; passed departmental standard examination 8th March, 1882; promoted to temporary 4th grade Executive Engineer, 19th March, 1882; appointed to the charge of Sahāranpur District Local Works 1st April, 1882; relieved of the Sahāranpur district, 30th July, 1882; on transfer to the Executive charge of Meerut Provincial Division, joined 1st August, 1882; relieved of the charge of Meerut Division 1st November, 1882; on transfer to Cawnpore Sub-Division of the Allahabad Provincial Division, joined 6th November, 1882; transferred to the Rohilkhand Provincial Division, and posted to Moradabad Sub-Division, 29th November, 1882.

LEAVE ENJOYED.—Furlough to Europe on medical certificate, with usual subsidiary leave, from 8th February, 1876; embarked on 1st March, 1876, and returned on 1st December, 1876; privilege leave from 1st to 21st October, 1879; and from 1st August to 31st October, 1881.

T. H. WRIGHT.—(Born 28th May, 1856.)—Passed student of the Royal Indian Engineering College Coopers Hill, appointed to the Public Works Department by the Secretary of State for India as an Assistant Engineer, 2nd grade, 1st October, 1877; arrived in India, 9th November, 1877; posted by Government of India to the Western System of State Railways, and proceeded to Multān to join the Indus Valley Railway; arrived Multān, 4th December, 1877; services placed temporarily at the disposal of the Government, North-Western Provinces and Oudh, for employment on Light Railway Surveys; arrived Allahabad, 11th December, 1877; posted to the Banda Light Railway, 22nd December, 1877; posted to the Railway Survey Division, 20th April, 1879; made over charge of it on completion of the Survey to Executive Engineer, Survey Division, 3rd June, 1879; left the North-Western Provinces Railway Survey Division, 11th September, 1879, and proceeded on leave to study native languages; on return from leave, posted to the charge of the Azamgarh district, Benares Provincial Division, 9th December, 1879; posted to Azamgarh and Ballia, 11th December, 1879; passed lower standard examination in Hindustani, 15th January, 1880; transferred to Rae Bareilly Division, joined 27th October, 1880; passed departmental standard examination, 19th November, 1880; transferred to Agra Provincial Division, joined 24th December, 1880; posted to the charge of Farukhabad district, 20th January, 1881; permanently promoted to Assistant Engineer, 1st grade, 1st November, 1881; transferred to Allahabad Provincial Division, joined 29th April, 1882.

LEAVE ENJOYED.—Special leave to study native languages from 11th September to 8th December, 1879; privilege leave from 21st August to 20th October, 1880; furlough on medical certificate for 12 months with usual subsidiary leave from 11th November, 1882; embarked 21st November, 1882; granted three months' extension.

SECOND GRADE.

W. E. T. BENNETT.—(Born 28th April, 1858.)—Joined the service as an Apprentice Engineer from the Roorkee College and posted to the Allahabad Provincial Division, 14th October, 1878; promoted to permanent 3rd grade Assistant Engineer, 1st October, 1879; transferred to and joined Benares district, Benares Provincial Division, 22nd December, 1879; passed departmental standard examination, 13th April, 1880; promoted to 2nd grade Assistant Engineer, 13th April, 1880; passed lower standard examination, 3rd May, 1880; transferred to the charge of Azamnagar and Ballia districts, 21st August, 1880; received independent charge of Ballia district, 17th January, 1881; transferred from Ballia to Allahabad Provincial Division, Allahabad district, 26th November, 1881; transferred to Rae Bareilly district, local works, for which he left on the 15th and joined on 17th April, 1882.

LEAVE ENJOYED.—Nil.

BRIJPAT RAE.—(Born 29th November, 1846.)—Passed student of the Thomason College, Roorkee; joined the service as an Engineer Apprentice on 25th July, 1871, and posted to the office of Superintending Engineer, 2nd Circle, Provincial Works, from 25th July to 30th November, 1871; transferred to the Bareilly Division, Provincial Works, on 1st December, 1871; on being relieved of the Bareilly Division on 29th February, 1872, transferred to the Rohilkhand Provincial Division, which he joined on 1st March, 1872, and posted to the Sub-Divisional charge of the Budaun district; promoted to Assistant Engineer, 3rd grade, from 1st September, 1872; transferred temporarily to the Bareilly district from 10th February to 6th July, 1875; held charge of the Moradabad district from 31st May to 20th July, 1876; held special charge of certain relief works in Budaun district from October, 1877 to March, 1878 and again from July to October, 1878; passed departmental examination in

30th January, 1878, and promoted to Assistant Engineer, 2nd grade, from that date; transferred to the Bareilly district from 11th December, 1879, on the amalgamation of Budaun district with Sháhjahánpur, and placed in charge of the districts of Bareilly and Pilibhit; transferred from the charge of Bareilly and Pilibhit districts to the Budaun district, which is placed under the District Board from 1st April, 1882; passed colloquial examination on 24th March, 1883.

LEAVE ENJOYED.—Privilege leave from 13th July to 8th September, 1880.

C. C. S. CLARK.—(Born 21st June, 1861.)—Passed student of the Royal Indian Engineering College; appointed by Secretary of State for India as an Assistant Engineer, 2nd grade, 1st October, 1882, and having gone through his practical training in England, posted to the North-Western Provinces and Oudh, Buildings and Roads Branch; joined Allahabad Provincial Division, 19th November, 1883.

LEAVE ENJOYED.—*Nil*.

W. P. HOUSDEN.—(Born 20th June, 1861.)—Passed student of the Thomason Civil Engineering College, Roorkee; appointed to the Sitapur Provincial Division as an Apprentice Engineer, which he joined on the 23rd May, 1881, having reported arrival to Superintending Engineer, Lucknow, 21st May, 1881; promoted to Assistant Engineer, 3rd grade, from 1st December, 1881; transferred from Sitapur district to Fatehpur district, joined 13th February, 1882, left 17th April, 1882; appointed to the charge of Bara Banki Local District from 1st April, 1882, and took charge 27th April, 1882; passed the professional examination prescribed in Public Works Department, Code II, section 1, paragraph 16 (2); on the 11th April, 1882; promoted to Assistant Engineer, 2nd grade, from 1st December, 1882; transferred to the Allahabad Provincial Division in August, 1882; joined 22nd August, 1882, and worked in Executive Engineer's office; sent (within Division) to Cawnpore Sub-Division, 24th November, 1882; held charge of the Sub-Division from 25th November, 1882 to 22nd January, 1883, and from 2nd May to 21st June, 1883.

LEAVE ENJOYED.—*Nil*.

R. D. M. LANG.—(Born 17th September, 1855.)—Passed student of the Royal Indian Engineering College, posted to the Cawnpore-Farukhabad Railway as Assistant Engineer, 3rd grade, 23rd September, 1879, and joined on the 8th November, 1879; transferred to Bareilly-Pilibhit Railway, joined 5th November, 1880; having been relieved of his duties in the Cawnpore-Farukhabad Railway on the 4th idem; promoted to Assistant Engineer, 2nd grade, from 1st October, 1880; transferred to the Buildings and Roads Branch, and posted to the Agra Provincial Division, Etáwah district, where he joined on 13th September, 1881; and was relieved of his duties in the Railway Branch on 25th August, 1881; transferred to Jhánsi Provincial Division, Lalitpur district, joined on 17th December, 1881; relieved of his duties in the Etáwah district on the 8th idem; temporarily attached to Superintending Engineer's office, 2nd Circle, Provincial Works, as Personal Assistant, and was transferred to the charge of Bareilly District Local Works from 1st April, 1882.

LEAVE ENJOYED.—Privilege leave from 2nd May to 1st August, 1883.

E. R. S. LLOYD.—(Born 20th February, 1857.)—Passed student of the Royal Indian Engineering College, was under training for one year from September, 1878, in England; posted to the Engineer-in-Chief's office, Western Rájputána State Railway, as Assistant Engineer, 2nd grade, and joined on the 4th November, 1879; transferred to the platelaying Sub-Division, when being carried on in the Sirohi Division, and then to the Marwar Division, when the platelaying extended on into that Division on the 6th April, 1880; transferred to Godwar Division, which he joined on the 18th May, 1880; and took over charge of the Jowallia Sub-Division, services placed under the Director-General of Railways from the establishment under the Government of Bombay; transferred to Kandahar State Railway, having been relieved of charge of the Jowallia Sub-Division on the 8th November, 1880; joined the Kandahar State Railway on or about the 17th November, 1880; transferred to Scindia State Railway extension, and joined on 8th January, 1881; he was posted to Gwalior-Jhánsi Survey Division, arrived at Agra on the 28th February, 1881, to await orders, the Gwalior-Jhánsi Survey having been stopped; transferred to Delhi-Ferozpur State Railway Survey on 18th March, 1881; and continued on Survey work till 31st July, 1882; transferred to the North-Western Provinces and Oudh, and relieved of his duties on the 31st July, 1882; and posted to the Agra Provincial Division from 1st August, 1882.

LEAVE ENJOYED.—*Nil*.

MOHAN LAL KATEHA.—(Born 1st November, 1853.)—Passed student of the Thomason College, Roorkee, joined the service as an Apprentice Engineer, and posted to the Jhánsi Provincial Division, 23rd October, 1877; promoted to Assistant Engineer,

3rd grade 1st June, 1879; transferred to Fyzabad district, Fyzabad Provincial Division, 11th October, 1879; transferred to Sitapur Provincial Division, and joined 11th October, 1880; transferred to Rohilkhand Provincial Division, joined 1st January, 1881; transferred to Rae Bareilly Division, joined 21st March, 1881; passed departmental examination and promoted to Assistant Engineer, 2nd grade, 12th April, 1881; appointed to the charge of the Partabgarh district in addition to his own duties, 10th December, 1881; appointed to the charge of Sultanpur district under local works, 1st April, 1882; passed higher standard examination in Hindustani, 3rd April, 1882.

LEAVE ENJOYED.—Privilege leave from 18th October to 15th November, 1878; from 9th December, 1879 to 4th January, 1880; and from 2nd June to 25th July, 1881.

A. E. ROSE.—(Born 8th July, 1854.)—Passed student of the Thomason College, Roorkee, appointed as an Apprentice Engineer, and posted to the Allahabad Provincial Division, 14th November, 1874; posted to Cawnpore district for 18 days from 28th July, 1875; promoted to 3rd grade Assistant Engineer, 15th November, 1875; transferred to the Mirzapur district, Benares Provincial Division, 11th September, 1876; transferred to the Benares district, 10th August, 1877; passed lower standard examination in Hindustani, 1st October, 1877; transferred to the Ghazipur district, 6th December, 1877; posted to Azamgarh district on famine works, 28th January, 1878; posted to the Lucknow Provincial Division on famine works, 28th February, 1878; transferred to the Benares Division and posted to Gorakhpur district 12th January, 1879; posted to Jaunpur district, Allahabad Provincial Division; passed departmental examination 18th April, 1880; promoted to Assistant Engineer, 2nd grade, 18th April, 1880; transferred to Benares Provincial Division, Ballia district, joined 21st November, 1881; appointed to the charge of Basti Local Works, 1st April, 1882.

LEAVE ENJOYED.—Special leave to study native language from 15th August to 14th November, 1877; privilege leave from 4th October, 1878 to 3rd January, 1879.

H. H. RODEN.—(Born 23rd September, 1858.)—Passed student of the Royal Indian Engineering College, posted to the Meerut Provincial Division as Assistant Engineer, 3rd grade, 23rd September, 1879 and joined on the 7th November, 1879; transferred to Kumaun Provincial Division, where he joined on 11th July, 1880; relieved in Meerut Division on 10th July, 1880; promoted to Assistant Engineer, 2nd grade, from 1st October, 1880; passed departmental examination on 12th April, 1881; transferred to Jhansi Provincial Division where he joined on 11th March, 1882; having been relieved of his duties in the Kumaun Division on the 2nd March, 1882; posted to the charge of Jhansi district from 1st April, 1883; on account of decentralisation scheme; passed the lower standard examination on 7th May, 1883.

LEAVE ENJOYED.—Furlough on medical certificate from 8th June to 1st July, 1880.

E. G. SALTER.—(Born 14th May, 1859.)—Passed student of the Royal Indian Engineering College, posted to the Agra Provincial Division as an Assistant Engineer, 2nd grade, 23rd September, 1880; and joined the Division on 15th November, 1881; transferred to Kumaun Revenue Division, Garhwal district, from 1st May, 1882; and was attached to the Public Works Secretariat on special duty from the date of his transfer to the Kumaun Revenue Division to the 3rd July, 1882; and transferred to the Benares Provincial Division from 4th idem and transferred to the Fyzabad Provincial Division on 24th November, 1882, having made over charge of his duties in the Benares Division on the 23rd idem.

LEAVE ENJOYED.—Nil.

SOHAN LAL.—(Born 8th August, 1855.)—Passed student of the Thomason College, Roorkee, appointed to the Public Works Department as an Apprentice Engineer, and posted to the North-Western Provinces, Benares Provincial Division, Ghazipur district, as a temporary measure, 15th October, 1877; transferred to the Central Provinces, and reported departure for Nagpur on 1st December, 1878; posted to 2nd Division, Chhattishgarh State Railway, joined 14th December, 1878; promoted to Assistant Engineer, 3rd grade, 1st November, 1879; retransferred to North-Western Provinces and Oudh, relieved 13th May, 1881; and joined Etah district, 16th June, 1881; promoted to Assistant Engineer, 2nd grade, from 11th October, 1881; the date of his passing examination; transferred to Muttra district, for which he left 4th March, 1882, and joined 20th March, 1882; transferred to the charge of Muttra district, which is placed under Local Committee, from 1st April, 1882.

LEAVE ENJOYED.—Leave on medical certificate from 12th December, 1880 to 11th May, 1881.

SURJAN DAS, B.A.—(Born 18th February, 1856.)—Passed student of the Thomason College Roorkee, posted to North-Western Provinces and Oudh as apprentice Engineer, and joined Allahabad Provincial Division, 15th November, 1879; promoted to Assistant Engineer, 3rd grade, 10th July, 1880; transferred to the Fyzabad Provincial Division, Gonda district, 6th September, 1880; retransferred to the Allahabad Provincial Division, left 2nd December, 1880, and joined on 5th idem; passed departmental examination, 17th April, 1881; received charge of Banda and Hamirpur districts, 13th May, 1881; promoted to Assistant Engineer, 2nd grade, 10th July, 1881; transferred to Bijnor district, which is placed under Local Committee from 1st April, 1882.

LEAVE ENJOYED.—Nil.

J. THORNHILL.—(Born 1st June, 1853.)—Appointed to the Public Works Department as an Apprentice Engineer, and posted to the Ganges River Navigation Works, 11th April, 1874; transferred to Allahabad Provincial Division, 9th July, 1874; transferred to the Kumaun district, of Kumaun Provincial Division, 20th January, 1875; promoted to 3rd grade Assistant Engineer, 7th September, 1875; passed examination qualifying for promotion to 2nd grade Assistant Engineer, and promoted to that grade, 21st January, 1879; appointed to officiate as Executive Engineer of Kumaun Provincial Division, 1st January, 1880; assumed temporary charge of the Division, 19th January, 1880; made over charge, 4th February, 1880; took charge of the Garhwāl district in addition to his own duties, 24th November, 1880; made over charge of the Kumaun district, 13th January, 1881; passed colloquial examination in Hindustani, 3rd March, 1882; transferred to Allahabad Provincial Division, joined 26th July, 1882; promoted to Assistant Engineer, 1st grade, *sub. pro tem.*, from 12th December, 1882, reverted to Assistant Engineer, 2nd grade, from 31st March, 1883.

LEAVE ENJOYED.—Privilege leave from 21st July to 20th October, 1880.

J. W. L. TOOZS.—(Born 16th December, 1860.)—Passed student of the Thomason College, Roorkee, posted to North-Western Provinces, Fyzabad Provincial Division, where he joined on the 18th May, 1881, as Apprentice Engineer, transferred to Benares Provincial Division, for which he left on 12th October, 1881; and joined on 14th idem; promoted to Assistant Engineer, 3rd grade, from 1st December, 1881; passed professional examination on 10th October, 1882; promoted to Assistant Engineer, 2nd grade, from 1st December, 1882.

LEAVE ENJOYED.—Privilege leave from 19th July to 24th August, 1882.

W. G. WOOD.—(Born 19th October, 1861.)—Passed student of the Royal Indian Engineering College, appointed by Secretary of State for India as Assistant Engineer, 2nd grade, 1st October, 1882; posted to North-Western Provinces and Oudh, Muttra-Jumna Bridge, for the purpose of undergoing a course of practical training for one year November, 1882; but he is borne on the Provincial (Buildings and Roads) Establishment, transferred to the Cawnpore-Farukhabad Extension Railway, January, 1883; transferred to Lucknow-Sitapur Survey Division, and joined on 11th April, 1883.

LEAVE ENJOYED.—Nil.

THIRD GRADE.

A. H. ASHTON.—(Born 11th April, 1862.)—Passed student of the Thomason College, Roorkee, appointed by Government of India as an Apprentice Engineer, and posted to North-Western Provinces and Oudh, posted to and joined Rohilkhand Provincial Division on 21st May, 1883; promoted to Assistant Engineer, 3rd grade, 1st November, 1883.

LEAVE ENJOYED.—Nil.

O. OERTEL.—(Born 9th December, 1862.)—Passed student of the Thomason College, Roorkee, appointed by Government of India as an Apprentice Engineer, and attached to North-Western Provinces and Oudh, Public Works Department, and posted temporarily to Simla Imperial Circle, May, 1883; passed higher standard examination in Hindustani, 2nd July, 1883; promoted to Assistant Engineer, 3rd grade, 1st November, 1883.

LEAVE ENJOYED.—Nil.

RAILWAY BRANCH.

CHIEF ENGINEER AND SECRETARY TO GOVERNMENT, P. W. D., RAILWAY BRANCH.

COLONEL JASPER OTWAY MAYNE, ROYAL ENGINEER.—*Vide* Building Branch page 337.

ENGINEER-IN-CHIEF AND ASSISTANT SECRETARY.

MAJOR T. GRACEY, ROYAL ENGINEER.—(Born 24th January, 1843.)

SERVICE IN THE MILITARY DEPARTMENT.—First Commission as Lieutenant, dated 17th December, 1862; landed in India, 29th December, 1866; promoted to Local Captain, 17th December, 1874, and to Captain 1st October, 1876; promoted to Major, 17th December, 1882.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Appointed to the Public Works Department, North-Western Provinces, as an Assistant Engineer, 2nd grade, and posted to the Meerut Division, Provincial Works, which he joined on the 21st October, 1867; passed colloquial examination in Hindustani on 13th August, 1868; promoted to Assistant Engineer, 1st grade, from 1st September, 1868; transferred to Sahāranpur Division Provincial Works, to officiate for Colonel Rose from 1st September, 1869; passed lower standard examination in Hindustani on 2nd August, 1869, and departmental standard on 9th October, 1869; transferred to Rājputāna State Railway, Agra district, joined 19th November, 1869; promoted to Executive Engineer, 4th grade, from 1st September, 1870; employed on special duty at Simla from 1st to 31st August, 1871, both days inclusive; transferred to Rājputāna State Railway, Jeypur district, services placed under control of the Government of India from 10th October, 1871; promoted to Executive Engineer, 3rd grade, from 1st March, 1872; transferred to Agra Division, and took charge on 16th March, 1875; temporarily promoted to Executive Engineer, 2nd grade, from 10th September, 1874, and made permanent from 1st November, 1874; transferred to the Indus Valley State Railway, Sutlej Division, relieved of his duties in the Agra Division on the 7th August, 1875, and joined Sutlej Division on 22nd September, 1875; transferred to the Panjāb Northern State Railway Extension Survey Division, which he joined on the 12th November, 1875, and transferred to the Survey Division No. 2, which he joined on 20th November, 1875; placed in charge of Indus Division from 1st January, 1876; transferred to Indus Valley State Railway from 12th November, 1877, on being relieved of his duties on the 10th idem in the Panjāb Northern State Railway; transferred to the North-Western Provinces and Oudh Provincial Railways, and posted to the Moradabad Light Railway, which he joined on the 22nd July, 1878; services placed under Government of India; retransferred to the Western System of State Railway, and was relieved of his duties in the Moradabad Railway on the 21st October, 1878; appointed Engineer-in-Chief, Rawalpindi to Kohat Section; promoted to Executive Engineer, 1st grade, temporarily from 1st October, 1879, and made permanent from 1st January, 1880; carried on the duties of the Engineer-in-Chief, Pindi, Peshawar Section, in addition to his own duties from 1st September, 1880; services placed under Government, North-Western Provinces and Oudh; on return from furlough as Engineer-in-Chief, Provincial Railways and Assistant Secretary to Government, North-Western Provinces and Oudh Railway Branch, joined this appointment on 17th October, 1882.

LEAVE ENJOYED.—Special leave to study native language from 24th June to 5th August, 1869; privilege leave from 1st to 31st July, and from 1st to 22nd October, 1871; privilege leave from 11th August to 14th November, 1874; overstayed by four days, and forfeited pay for the days; privilege leave from 18th October to 12th November, 1875; from 16th September to 15th October, 1878; and from 5th June to 19th July, 1880; furlough from 25th December, 1880, for two years.

EXECUTIVE ENGINEERS.

FIRST GRADE.

J. R. BELL, M.I.C.E.—(Born 31st August, 1841.)—Appointed by Secretary of State as a Supernumerary Assistant Engineer, 1st grade, and services placed at the disposal of the Madras Government, 8th October, 1868; services placed at disposal of the Government of India, relieved of his duties in Madras, 30th March, 1870; on transfer to Hyderabad, joined Umraoti Railway Division, 13th April, 1870; assumed charge of the Berar Railway Division, 6th March, 1871; received temporary charge of the Arungabad Division, Hyderabad Public Works Department, subject to confirmation of the Government of India, 14th August, 1871; approved by Government of India and received charge of Division, 31st October, 1871; made over charge of the Arungabad Division 21st November, 1871; passed lower standard examination 28th November, 1871; posted to and joined His Highness the Nizam's State Railway, Terminal Division, 23rd January, 1872; passed departmental standard examination 31st January, 1872; promoted to Executive Engineer, 4th grade, permanent rank, 1st March, 1872; joined Ghāt Division 10th August, 1872; assumed charge of the junction, 8th March, 1873; services retained in the Public Works Department on expiry of covenants, officiated as storekeeper from 12th February to 14th March, 1874; relieved of his duties 12th January, 1875; on transfer to

Indus Valley State Railway, reported arrival at Multán, 23rd January, 1875; and was attached to Engineer-in-Chief's office the same day; promoted to Executive Engineer, 3rd grade, temporary rank, 15th April, 1875; relieved of his duties in Engineer-in-Chief's office, 25th October, 1875; on transfer to the Bhawalpur Division, permanently promoted to Executive Engineer, 3rd grade, 1st December, 1875; relieved of his duties in the Bhawalpur Division, 8th August, 1876; on transfer to Sutlej Bridge Division, and received charge on 9th August, 1876; took over charge of the Adamvahan workshops, 22nd November, 1876; appointed Superintendent of Works in charge of the Sutlej Bridge works from 11th April, 1877; was granted the usual allowance of Rs. 100 per mensem up to 11th April, 1877, for holding charge of Adamvahan workshops in addition to the Sutlej Bridge Division; was detained on duty in England while on leave for a period of 11 months by Her Majesty's Secretary of State; promoted temporarily to Executive Engineer, 2nd grade, 3rd June, 1878; reverted to 3rd grade, 11th June, 1878; promoted temporarily to 2nd grade, 26th June, 1878; drew two-thirds of his Indian salary while on special duty in England from 21st August, 1878 to 9th January, 1879, inclusive; posted on special duty to Sukkur Bridge as Superintendent of Works from 9th February to 3rd May, 1879; was also engaged in compiling and closing the accounts of the Empress Bridge Division in addition to special duty; was granted an allowance of Rs. 200 per mensem as Superintendent of Works for such time he was on duty in India, and on privilege leave, up to and inclusive of 3rd May, 1879; again on special duty to Simla, to complete plans of the Sukkur project, 4th May, 1879; relieved from special duty 12th September, 1879; transferred to Sukkur-Dádar Railway; services permanently placed at disposal of the Director-General of Railways; appointed to the rank of Superintendent of Way and Works while employed on the Sukkur Bridge; reported arrival at Jacobabad, 16th September, 1879; promoted permanently to Executive Engineer, 2nd grade, 1st January, 1880; relieved of his duties on the Jacobabad Section, 17th March, 1880; assumed charge of his duties as Superintendent of Works, Sukkur Bridge Division, 18th April, 1880; posted to the Bhopal-Jhansi Survey Division; relieved of his duties, Sukkur Bridge Division 12th November, 1880; on transfer to Bhopal State Railway, joined 21st November, 1880; posted to the Saugor Survey Division, December, 1880; relieved of his duties in the Saugor Division, 23rd March, 1881; on transfer to Lucknow, posted to the Patna-Bahraich Railway Survey Division, April, 1881; transferred from the establishment of the Director-General of Railways to North-Western Provinces and Oudh, for employment in the Railway Branch; relieved of his duties in the Gorakhpur Survey Division, 11th May, 1881; on transfer to Bareilly-Pilibhit Railway Survey, took charge of Bareilly-Pilibhit Railway, 23rd May, 1881; received bonus of a month's pay in lieu of three months' special leave sanctioned in Government of India, Public Works Department Resolution No. 079-80R.E., dated 6th February, 1881; on completion of Bareilly-Pilibhit Railway Survey, joined Chief Engineer's Office on special duty, 25th August, 1881; posted to and took charge of the Parangpur-Bareilly Railway *via* Pilibhit Section II., 18th March, 1882; appointed in charge of the Muttra-Jumna Bridge Division from 15th June, 1882; in addition to completing the duties in connection with Section II., Bareilly-Pilibhit Railway, joined Muttra-Jumna Bridge Division, 1st September, 1882; promoted to Executive Engineer, 1st grade, *sub. pro tem.* from 19th October, 1882.

LEAVE ENJOYED.—Privilege leave for three months from 28th April, 1872; returned on 2nd August, 1872; overstayed three days; privilege leave for 54 days, with departmental leave for 15 days, from 31st May to 8th August, 1875; privilege leave from 14th June, to 20th August, 1878 from 10th January to 9th February, 1879; and from 29th August to 29th November, 1883.

SECOND GRADE.

E. L. HUNT. B.A.—(Born 6th April, 1845.)—Appointed by Government of India Assistant Engineer, 3rd grade, and posted to the 2nd Circle, North-Western Provinces, December, 1867, joined Bareilly Division, Public Works, 26th December, 1867; passed the prescribed examination and promoted to Assistant Engineer, 2nd grade, 30th July, 1869; transferred from Bareilly (pay Rs. 300 per mensem) to Moradabad-Roorkee State Railway Survey, 11th February, 1870; passed colloquial examination in Hindustani, 11th August, 1870; retransferred to the Buildings and Roads Branch, and posted to the 2nd Circle, North-Western Provinces, January, 1871; joined Bareilly Division, Public Works, 6th February, 1871; transferred to Meerut Provincial Division which he joined on 1st March, 1872; posted to Aligarh Sub-Division of Meerut Provincial Division, which he joined on 5th April, 1872; promoted to Assistant Engineer, 1st grade, 1st September, 1872; transferred to Hâthras and Muttra Light Railway, Muttra, which he joined on 12th November, 1873; passed lower standard examination in Hindustani, 8th December, 1873; passed higher standard examination, 14th February, 1874; promoted to Executive Engineer, 4th grade, 1st March, 1874; appointed to hold temporary charge of office of Executive Engineer, Hâthras-Muttra Light Rail-

way, 15th June, 1874; appointed to officiate as Engineer-in-Chief (for which officiating allowance at Re. 1-10-0 of civil pay of that officer was sanctioned), December, 1875; elected for the more favourable rules March, 1876; temporarily promoted to Executive Engineer, 3rd grade, from 1st April, 1876; reverted to Executive Engineer, 4th grade, from 21st July, 1876; on return from furlough transferred to Public Works Secretariat, North-Western Provinces, which he joined on 13th November, 1877; posted to Farukhabad Light Railway, January, 1878; temporarily promoted to Executive Engineer, 3rd grade, 6th May, 1878; transferred to Railway Branch, North-Western Provinces, 1st January, 1880; promoted to Executive Engineer, 2nd grade, 1st June, 1880; relieved of charge of Cawnpore and Farukhabad Railway on 24th December, 1880; and posted to Cawnpore and Farukhabad Extension Survey Division, January, 1881; posted to Sitapur-Bareilly Railway, section II., 1st February, 1882; transferred as Manager and Engineer-in-Chief, Provincial State Railways, Cawnpore, 18th March, 1882; transferred to Cawnpore and Farukhabad Extension Division, joined 24th November, 1882.

LEAVE ENJOYED.—Privilege leave from 5th July to 3rd October, 1871; special leave to study native languages for three months from 5th September, 1873; unexpired portion cancelled; privilege leave from 31st August to 27th November, 1875; furlough to Europe for 16 months; embarked on 21st July, 1876; returned 13th November, 1877; privilege leave granted in G. O. No. C.1549R., dated 12th August, 1881; availed on afternoon of 10th September, 1881; returned to duty on forenoon of 7th November, 1881.

H. L. MONK.—(Born 30th November, 1844.)—Appointed by Government of India Apprentice Engineer and posted to the Central Provinces, 1st September, 1865; transferred to the Panjāb and posted to the Multān Division, 14th December, 1865; promoted to Assistant Engineer, 3rd grade, 1st April, 1866; having passed the prescribed examination was promoted to Assistant Engineer, 2nd grade, and transferred to Dehragat Division, 1st September, 1867; transferred to the Dalhousie Division, October, 1868; passed the colloquial examination in Hindustani, June, 1869; passed the lower standard examination in Hindustani, August, 1869; posted to Rohri district, Indus Valley State Railway, December, 1869; transferred to Panjāb Northern State Railway, and reported arrival at Lahore, 31st January, 1870; posted to the Rawalpindi Survey, No. II., February, 1870; passed examination in the native languages according to the departmental standard, November, 1870; promoted to Assistant Engineer, 1st grade, 18th March, 1871; officiated as Executive Engineer, Jhelum Bridge Division, from 2nd September to 31st October, 1873; promoted to Executive Engineer, 4th grade, 1st September, 1873; held charge of Jhelum Bridge Division from 18th June to 14th August, 1874; transferred to Indus Valley State Railway, 30th October, 1874; reported arrival at Multān on 3rd November, 1874, and posted to the Sutlej Bridge Division, at Adamwahan, 6th November, 1874; admitted to the more favourable rules for the uncovenanted service, March, 1876; on return from furlough was posted to the Multān Division of the Indus Valley State Railway, joined 6th May, 1879; took over charge of the Multān Division, 7th May, 1879; permanently promoted to Executive Engineer, 3rd grade, from 17th August, 1878; transferred to the Sukkur-Dādār Railway, 16th September, 1879; and posted to the Jacobabad Division, joined on 18th September, 1879; posted to Nari Division, joined 11th February, 1880; was engaged in closing the accounts of the Platelaganj Division, May, 1880; promoted to Executive Engineer, 2nd grade, from 1st June, 1880; services temporarily placed at disposal of the Engineer-in-Chief, Jacobabad, section, from 22nd August, 1880; reported arrival at lower section on the same day, and posted to the Pirchauki Division; made over charge of the Pirchauki Division, and reverted to his duties on the upper section, 25th October, 1880; was allowed charge allowance from 2nd August to 25th October, 1880, the period he was in charge of the Pirchauki Division, in addition to the Nari Division; left Nari Division on 11th May, 1881, to proceed to Multān, where he arrived on 16th May, 1881; transferred to the Rewari-Firozpur State Railway, 12th September, 1881, joined 23rd October, 1881; services temporarily placed at disposal of Government, North-Western Provinces and Oudh, Railway Branch, 23rd August, 1883; posted to the charge of the Muttra-Jumna Bridge Division, joined 27th August, 1883; transferred from Benares to Rae Bareilly Survey Division; transferred to Cawnpore-Kālpī Railway, April, 1884.

LEAVE ENJOYED.—Three months' leave to study native languages from 12th September to 12th December, 1866; privilege leave from 6th August to 5th October, 1870; from 6th August to 5th October, 1872; from 1st September to 30th October, 1874; and from 15th December, 1875 to 18th January, 1876; special leave under Public Works Department Resolution No. 079-SOR.E., dated 6th February, 1881; for three months from 13th June to 12th September, 1881; privilege leave from 29th September to 10th November, 1882; furlough to Europe for two years, with subsidiary leave, from 20th March, 1877; embarked on 18th April, 1877; subsidiary leave from 16th April to 6th May, 1879, on return from furlough.

THIRD GRADE.

R. N. HODGES.—(Born 16th January, 1849.)—Appointed by Government of India Assistant Engineer, 3rd grade, in the North-Western Provinces Roads and Buildings Branch, October, 1873, and posted to the Rohilkhand Provincial Division; passed the lower standard examination in vernacular, 3rd June, 1873; transferred to Allahabad Provincial Division, which he joined on 11th June, 1874; posted to Fatehgarh, August, 1874; temporarily promoted to Assistant Engineer, 1st grade, 27th April, 1875; permanently promoted to Assistant Engineer, 1st grade, 1st July, 1875; passed examination in Hindustani, July, 1877; posted to the charge of Allahabad district, but retained charge of Fatehpur Drainage Survey until completed, November, 1877; made over charge of Fatehpur Division, 15th November, 1877, and received charge of Allahabad district, 24th November, 1877; received charge of Fatehpur district, in addition to his own duties, 18th July, 1878; made over charge of Fatehpur district, 9th December, 1878; made over charge of Allahabad district, on transfer to Benares Provincial Division, 12th May, 1879; services placed under Director-General of State Railways, and posted to Sukkur-Dádar Railway, 12th November, 1879, and reported arrival at Jacobabad, 28th November, 1879; appointed Personal Assistant to Engineer-in-Chief, Hurnai and Gulistan Kurrey sections of the Kandahar State Railway, March, 1880; promoted to Executive Engineer, 4th grade, temporary rank, 25th April, 1880; permanently promoted to Executive Engineer, 4th grade, 19th September, 1880; posted to Patna-Bahraich Railway Survey, which he joined on 7th April, 1881; promoted to Executive Engineer, 3rd grade, *sub. pro tem.*, 1st July, 1882; to Executive Engineer, 3rd grade, 26th July, 1882; transferred from establishment under Director-General of Railways to North-Western Provinces and Oudh, for employment on Provincial Railways, 1st April, 1883; attached to the Cawnpore-Farukhabad Extension Division, which he joined on 10th April, 1883.

LEAVE ENJOYED.—Leave for three months to study native languages from 17th April, 1876; privilege leave on medical certificate from 7th February to 6th April, 1881, and from 1st January to 31st March, 1883.

M. C. MACKINNON, A.M.I.C.E.—(Born 25th April, 1845.)—Appointed by Government of India Assistant Engineer, 2nd grade, August, 1871, and attached to the Panjab, posted to 1st Division, Sirhind Canal, 14th September, 1871; transferred to Holkar State Railway, 4th Division, 21st March, 1872; passed colloquial examination in Hindustani, January, 1873; passed lower standard examination, July, 1873; passed departmental standard examination, October, 1873; temporarily promoted to Assistant Engineer, 1st grade, 3rd October, 1874; services placed at disposal of Bombay municipality from 23rd April, 1875 to 15th June, 1876; permanently promoted to Assistant Engineer, 1st grade, 19th March, 1875; reported to Holkar and Neemuch State Railway Survey Division, which he joined on 28th June, 1876; transferred to Indus Valley State Railway, 4th November, 1876; posted to Western Extension Survey district, transferred to Lower Sind district and reported arrival at Superintending Engineer's Office, Upper Sind district, on 1st December, 1876; posted to Kotree Division, which he joined on 17th January, 1877; transferred to the staff of Engineer-in-Chief, Panjab Northern State Railway, 5th October, 1877; promoted to Executive Engineer, 4th grade, temporary rank, 31st May, 1877; joined the Ravi Division of the Panjab Northern State Railway, 5th November, 1877; left Ravi Division to assume charge of the duties of store-verifier, 20th November, 1877; placed in charge of the Salt Branch Division, 26th August, 1878; transferred to the Jhelum Division on 3rd June, 1879; joined 18th June, 1879; permanently promoted to Executive Engineer, 4th grade, 1st January, 1880; placed under orders of Consulting Engineer to Government of India for Guaranteed Railways, Lahore, for service on open line, Panjab Northern State Railway, October, 1880; promoted to Executive Engineer, 3rd grade, 8th November, 1880; posted to Ratial Ravines Division, November, 1880; on return from furlough posted to Patna-Bahraich State Railway, 25th October, 1882; services placed at disposal of Government, North-Western Provinces and Oudh, 10th February, 1883; temporarily attached to the Bareilly-Pilibhit Railway Division from 11th February to 30th March, 1883; transferred to Lucknow-Sitapur Railway Survey Division from 31st March, 1883.

LEAVE ENJOYED.—Privilege leave from 28th January to 27th February, 1873; privilege leave for one month from 20th November, 1874; privilege leave from 25th May to 24th August, 1878; furlough for 18 months, with one month's subsidiary leave, from 2nd April, 1881.

G. V. MARTYN, A.M.I.C.E.—(Born 16th February, 1850.)—Appointed by Government of India, Assistant Engineer, 2nd grade, in the Oudh Rae Bareilly Provincial Division, from January, 1873, and posted to the charge of the Partágarh Sub-Div.

sion, which he joined on 10th February, 1873; passed the colloquial examination in Hindustani on 3rd September, 1873; received charge of office of Executive Engineer, Partabgarh Sub-Division, 4th April, 1874; made over charge of the Rae Bareilly Provincial Division, 19th April, 1874. Government approved of his having held charge of Rae Bareilly Division during Mr. Henslowe's absence on leave, June, 1874; passed lower standard examination, 4th May, 1874; temporarily promoted to Assistant Engineer, 1st grade, from 12th October, 1874 to 31st December, 1874, and again from 4th January, 1875; on return from sick leave to Europe posted to the Cawnpore and Farukhabad Light Railway from 17th December, 1877, which he joined on 24th December, 1877; temporarily promoted to Assistant Engineer, 1st grade, 1st March, 1878; transferred to Achneyra-Muttra Light Railway, 29th June, 1878; joined Ghazipur-Dildarnagar Railway, 1st November, 1878; promoted permanently to Assistant Engineer, 1st grade, 15th May, 1878; passed departmental standard examination, 10th February, 1879; executive charge of the Dildarnagar Railway, was rested on Mr. Martyn from 1st November, 1878, for which he was allowed to draw charge allowance; transferred from Provincial to Railway Establishment of North-Western Provinces and Oudh, February, 1880; temporarily promoted to Executive Engineer, 4th grade, 1st January, 1880; transferred from Ghazipur-Dildarnagar Railway to Muttra-Achneyra Railway, 3rd December, 1880, which he joined on 6th December, 1880; posted to the Sitapur-Pilibhit Railway Survey Section I, 1st January, 1882; posted to the charge of the Bareilly-Pilibhit Railway, Section I, 12th September, 1882; promoted to Executive Engineer, 4th grade, *sub. pro tem.*, 1st July, 1882, to permanent Executive Engineer, 4th grade, 1st October, 1882; promoted to Executive Engineer, 3rd grade, *sub. pro tem.*, 3rd April, 1883.

LEAVE ENJOYED.—Privilege leave from 23rd July to 10th October, 1875; furlough to Europe on medical certificate for 18 months, with four days' subsidiary leave, and an extension of two months' leave on medical certificate from 13th April, 1876 to 16th December, 1877.

F. E. BRAHAM, A.M.I.C.E.—(Born 7th February 1848).—Appointed by the Government of India, as temporary Assistant Engineer, 3rd grade, and attached to Northern Bengal State Railway Survey, 13th December, 1871; passed colloquial examination in Hindustani and promoted to Assistant Engineer, 2nd grade, 16th April, 1874; joined Parbatpur Division to officiate as Executive Engineer, 2nd September, 1874; relieved of the charge of No. 5, Mahanadi Division, 14th March, 1876; transferred to Sibagar Railway Survey, 1st November, 1876; promoted temporarily to Assistant Engineer, 1st grade, 16th September, 1876; reverted to Assistant Engineer, 2nd grade, 27th October, 1876; again promoted temporarily to Assistant Engineer, 1st grade, 23rd November, 1876, and reverted to Assistant Engineer, 2nd grade, 25th November, 1876; promoted temporarily to Assistant Engineer, 1st grade, 1st December, 1876; transferred to Mahanadi Division, 1st October, 1877; transferred to Southern Division, 3rd October, 1877, relieved of duties on Northern Bengal State Railway, 4th December, 1878; transferred to Patna and Gya State Railway, which he joined on 12th December, 1878; transferred from North Eastern System of State Railways for employment on the Bhopal Railway Survey, 18th July, 1879, which he joined on 26th July, 1879; relieved of duties on transfer to Panjab Northern State Railway, 11th October, 1879; reported arrival at Rawalpindi, 27th October, 1879; permanently promoted to Assistant Engineer, 1st grade, 1st January, 1880; relieved of duties on transfer from establishment under the Director-General of Railways, to that under the Government of North-Western Provinces and Oudh, for employment on State Railways, 6th May, 1880; posted to Muttra-Achneyra Railway and reported arrival at Muttra, 15th May, 1880; passed the lower standard examination in Hindustani, 16th September, 1880; passed departmental examination in Hindustani, 9th December, 1880; posted to and joined Cawnpore and Farukhabad Extension Survey Division, 3rd January, 1881; posted to Sitapur Bareilly-Railway, Section II, 28th February, 1882, which he joined on 1st March, 1882; appointed to the work under immediate orders of Mr. J. R. Bell, Executive Engineer, 2nd grade, Sitapur-Pilibhit Railway, Section II, April, 1882; posted to the independent charge of Section I of Bareilly-Pilibhit Railway, May, 1882; promoted temporarily to Executive Engineer, 4th grade, 19th December, 1881; transferred to 2nd or Sikandra Rao Division of Cawnpore and Farukhabad Railway Extension, September 1882; promoted to Executive Engineer, 4th grade, 1st May, 1883.

LEAVE ENJOYED.—Privilege leave from 15th August to 7th September, 1877; one month's privilege leave in continuation of three months' leave to study native languages from 20th July to 15th November, 1878; privilege leave from 22nd November, 1880 to 3rd January, 1881, and from 5th September to 12th November, 1881; extension of furlough for eight months and 17 days, in continuation of nine months' furlough, with 10 days' subsidiary leave, from 4th May, 1883; embarked on 14th May, 1883.

ASSISTANT ENGINEERS.

SECOND GRADE.

W. D. BARROW.—(Born 21st December, 1861.)—Appointed by Secretary of State for India, as an Assistant Engineer, 2nd grade, 1st October, 1882; Assistant Engineer's allowance drawn in England from 26th September, 1882, while undergoing a course of practical training there; posted to the Central Provinces, landed in India, 5th November, 1883; Indian rate of pay of Assistant Engineer, 2nd grade, drawn from 27th September, 1883; posted to State Railways, North-Western Provinces and Oudh, reported arrival at Allahabad on 11th November, 1883, and posted to Benares, to Rae Bareilly Survey Division; joined 27th November, 1883; transferred to Cawnpore-Kálpí Railway, April, 1884.

LEAVE ENJOYED.—Nil.

S. G. BATTEN.—(Born 18th September, 1859.)—Appointed by Secretary of State for India, as an Assistant Engineer, 2nd grade, 23rd September, 1881; Assistant Engineer's allowance drawn in England from 23rd September, 1881 to 26th September, 1883, while undergoing a practical course of training there, posted to the Central Provinces, landed in India, 5th November, 1883; Indian rate of pay of Assistant Engineer, 2nd grade, drawn from 27th September, 1883; posted to State Railways, North-Western Provinces and Oudh, reported arrival at Allahabad, 11th November, 1883, and posted to Benares to Rae Bareilly Survey Division; joined 27th November, 1883; transferred to Cawnpore-Kálpí Railway, April, 1884.

LEAVE ENJOYED.—Nil.

J. C. MILLS.—(Service statement not received.)

L. G. PRICKETT, A.M.I.C.E.—(Born 15th December, 1856.)—Appointed by Secretary of State for India as an Assistant Engineer, 2nd grade, 24th September, 1878; posted to State Railways, reported arrival in India, 29th October, 1879; posted to and joined the Jhilm Division of Panjáb Northern State Railway, 14th November, 1879, and joined Jhilm Division of that line on the forenoon of the 20th of the same month; transferred to Sohan Division, 27th June, 1880, which he joined 28th June, 1880; transferred to and joined the Jhilm Division, 14th July, 1880; placed under orders of Consulting Engineer to Government of India for Guaranteed Railways, Lahore, for services on Open Line, Panjáb Northern State Railway, October, 1880; posted to the Jhilm Division, November, 1880; transferred temporarily to the North-Western Provinces and Oudh, 20th January, 1881; passed colloquial examination in Hindustani, 20th January, 1881; posted to and joined the 1st Division, Sardah Canal, 25th January, 1881; left 1st Division, Sardah Canal, 2nd May, 1881, on transfer to Aligarh Division, Ganges Canal, which he joined on 10th May, 1881; transferred to Railway Branch, North-Western Provinces and Oudh, 20th January, 1882; employed in Sitapur-Bareilly Railway, section II., from 26th January to 20th July, 1882, when he was transferred to Cawnpore and Farukhabad Extension Railway; transferred to and joined Muttra-Jumna Bridge Division, 1st September, 1882.

LEAVE ENJOYED.—Nil.

H. S. TALBOT.—(Born 29th March, 1856.)—Appointed by Secretary of State for India, as an Assistant Engineer, 2nd grade, and posted to Western System of State Railways, 1st October, 1877, arrived in India, 11th November, 1877; transferred to North-Western Provinces and Oudh, and posted to Light Railway Surveys; reported arrival at Allahabad, 12th December, 1877, joined Farukhabad Light Railway Division, 4th January, 1878; passed examination for Assistant Engineer, 19th November, 1880; transferred to Cawnpore and Farukhabad Railway (open line), 1st April, 1881; passed lower standard examination in Hindustani, 4th April, 1881; relieved of charge of Way and Works, Cawnpore and Farukhabad Railway (open line), 15th August, 1882, and proceeded to Muttra to verify stock of Cawnpore and Farukhabad and Muttra-Háthras Railways (open lines), employed as stock verifier from 16th August to 19th September, 1882; relieved from duties of stock verifier on transfer to Cawnpore and Farukhabad Railway Extension, which he joined on 20th September, 1882; promoted to Assistant Engineer, 1st grade, *sub. pro tem.*, 1st May, 1883; transferred to office of Engineer-in-Chief, Provincial Railways, Allahabad, 17th January, 1884, joined 18th January, 1884.

LEAVE ENJOYED.—Privilege leave from 1st August to 31st October, 1882; and from 6th to 29th October, 1882.

W. J. WEIGHTMAN.—(Born 8th November, 1858.)—Appointed by Secretary of State for India, Assistant Engineer, 2nd grade, 23rd September, 1881; Assistant Engineer's allowance drawn in England from 23rd September, 1881 to 26th September, 1883; while undergoing a practical course of training there; posted to the Panjab, arrived in India, 1st November, 1883; Indian rate of pay of Assistant Engineer, 2nd grade, drawn from 27th September, 1883; posted to State Railways, North-Western Provinces and Oudh, reported arrival at Allahabad, 20th November, 1883, and posted to Cawnpore-Farukhabad Railway Extension Division; joined 23rd November, 1883.

LEAVE ENJOYED.—Nil.

THOMASON COLLEGE, ROORKEE.

PRINCIPAL.

LIEUTENANT-COLONEL ASHTON MILNES BRANDRETH, ROYAL ENGINEER.—(Born 7th May, 1836.)

SERVICE IN THE MILITARY DEPARTMENT.—First Commission as 2nd Lieutenant, 7th December, 1855; arrived in India, 30th December, 1857; promoted to 1st Lieutenant, 27th April, 1858; promoted to Captain 1st March, 1869; promoted to Major 24th August, 1873, and to Brevet Lieutenant-Colonel 1st July, 1881; to Lieutenant-Colonel 1st February, 1882.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Appointed Fort William district, 8th January, 1859; appointed to officiate Assistant Principal Thomason College, 5th May, 1859; promoted to Assistant Engineer, 2nd class 29th March, 1859; confirmed in his appointment as Assistant Principal, Thomason College, with the rank of Executive Engineer, 4th class; transferred to Panjab 21st September, 1861, and posted to and joined Delhi Division, Western Jumna Canal, 6th May, 1863; transferred to the Government of India as Assistant Secretary; assumed charge 11th May, 1863; retransferred to Lahore Division 24th December, 1863; transferred to Kohat Division, 23rd February, 1865; promoted to Executive Engineer, 3rd grade, 1st April, 1865; appointed to the temporary charge of Bridges and Roads Division 1st May, 1866; appointed as a temporary measure to Public Works Secretariat as Assistant Secretary, 5th May, 1867; on return from furlough reappointed and posted to Special Works Division, Western Jumna Canal, as Executive Engineer, 3rd grade, 31st October, 1868; promoted to Executive Engineer, 2nd grade, 1st March, 1869; officiated Assistant to Chief Engineer and Secretary to Government, 25th November, 1869; promoted to Executive Engineer, 1st grade, 1st March, 1871; officiated Superintending Engineer, Western Jumna Canal Circle, 27th April, 1871; posted to the Special Survey Division, Western Jumna Canal, 6th January, 1873; transferred to new main line Division, 20th January, 1875; confirmed as Principal, Thomason College, 25th February, 1879; was on special duty from 29th August to 30th September, 1880.

LEAVE ENJOYED.—Furlough on private affairs for two years with one month's preparatory leave, 11th September, 1867; embarked 25th September, 1867; returned 16th October, 1868; subsidiary leave to 29th October, 1868; joined appointment 30th October, 1868; privilege leave from 1st to 12th November, 1873, and from 15th May to 14th August, 1874; furlough on private affairs for one year ten months and twenty-six days with usual preparatory leave from 28th December, 1875; embarked from Bombay 31st January, 1876; reported return from England, 18th April, 1877; subsidiary leave to 1st May, 1877; privilege leave from 30th April to 29th July, 1881; furlough on private affairs for 182 days with usual subsidiary leave from 11th February, 1882; embarked from Bombay, 16th February, 1882; returned on 14th June, 1882; subsidiary leave up to 16th June, 1882.

ASSISTANT PRINCIPALS.

LIEUTENANT J. H. C. HARRISON, ROYAL ENGINEER.—(Born 22nd March, 1851.)

SERVICE IN THE MILITARY DEPARTMENT.—First Commission as Lieutenant of Royal Engineers, 15th December, 1871; posted to the Indian establishment, 14th August, 1874; arrived in India, 10th February, 1875.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Appointed to the Public Works Department and posted to Military Works Branch as an Assistant Engineer, 2nd grade, joined Lucknow Division Military Works, 3rd March, 1876; transferred to North-Western Provinces and posted to the Thomason College as 3rd Assistant Principal from 10th April, 1877, and joined on 13th idem as 2nd Assistant, reverted

to 3rd Assistant Principal, 14th July, 1877; promoted to 2nd Assistant Principal, 10th April, 1878; officiated as 1st Assistant Principal, from 30th September, 1878, to 25th March, 1879; and again from April to October, 1879; services placed under Director-General of Railways, 24th November, 1879; promoted to Assistant Engineers, 1st grade, 1st June, 1880; retransferred to the Thomason College as 1st Assistant Principal, joined 15th January, 1881; reverted to 2nd Assistant Principal, 15th April, 1881; appointed to officiate for Principal, 29th April to 28th July, 1881; and again from 10th February to 16th June, 1882; passed higher standard examination in Hindustani in 1883.

LEAVE ENJOYED.—Leave to study native languages from 1st April to 30th June, 1877; leave to study native languages from 25th July to 24th October, 1882; privilege leave from 25th to 28th October, 1882; furlough on private affairs with usual subsidiary leave from 14th April, 1883; embarked from Bombay, 20th April, 1883.

LIEUTENANT G. C. P. ONSLOW, ROYAL ENGINEER.—(Born 7th February, 1853.)

SERVICE IN THE MILITARY DEPARTMENT.—First Commission as Lieutenant 29th April, 1873; Assistant Field Engineer Kurram Field Force, 11th January, 1879 to 8th September, 1879; Kabul Field Force, 9th September, 1879 to 6th July, 1880.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Appointed Assistant Engineer, 2nd grade, under the establishment of Director of State Railway, 20th March, 1877; transferred to the Thomason College, Roorkee, as Assistant Principal, Thomason College; transferred to Military Works Branch and posted to Lucknow Division Military Works, 28th July, 1877; retransferred to Thomason College, Roorkee, as 3rd Assistant Principal, 15th April, 1878, joined 17th April, 1878; services placed at disposal of Military Department for field services, 3rd January, 1879; retransferred to Thomason College as 3rd Assistant Principal, 7th July, 1880, joined 15th July, 1880; promoted to Assistant Engineer 17th July, 1880; took charge 2nd Assistant Principal's duties 15th January, 1881; reverted to 3rd Assistant Principal, 15th April, 1881, and again promoted to officiate as 1st Assistant Principal, 30th April, 1881; in addition to his duties as officiating 1st Assistant Principal, officiated for Professor of Experimental Science from 5th April, 1882; reverted to 2nd Assistant Principal, 17th June, 1882, and again promoted to officiate 1st Assistant from 25th July, 1882; reverted to 2nd Assistant from 29th October, 1882, and again promoted to officiate 1st Assistant Principal, 22nd April, 1883.

LEAVE ENJOYED.—Privilege leave from 14th October, 1880 to 13th January, 1881.

IRRIGATION BRANCH.

CHIEF ENGINEER AND JOINT SECRETARY TO GOVERNMENT, PUBLIC WORKS DEPARTMENT.

LIEUTENANT-COLONEL, JOHN GREENLAW FORBES, ROYAL ENGINEER.—(Born 20th August, 1837.)

APPOINTMENTS IN THE MILITARY DEPARTMENT.—Dates of Commission to 2nd Lieutenant, 9th December, 1854; to 1st Lieutenant, 27th April, 1858; to Captain, 24th March, 1865; to Major, 5th July, 1872; and to Lieutenant-Colonel, 10th May, 1881; was present at the battles of Hindun and Badli Serai and throughout the siege of Delhi; accompanied Colonel Greathed's column from Agra; was present at the relief of Lucknow, also at the fights of Serai Ghat (mentioned in despatch) and Khodaganj at the capture of Fatehgarh and throughout the siege of Lucknow (wounded) and the Rohilkhand campaign including the capture of Bareilly.

APPOINTMENTS IN THE PUBLIC WORKS DEPARTMENT.—Appointed probationary Assistant Engineer, 21st June, 1858, promoted to Assistant Engineer, 2nd grade, 1st November, 1859, and 1st grade, on 1st March, 1861, to Executive Engineer, 4th grade, 28th January, 1862; 3rd grade, on 1st May, 1864; 2nd grade, on 1st April, 1866, and 1st grade, on 1st September, 1868, to Superintendent of Works, 21st December, 1867, to officiating Superintending Engineer, 17th December, 1869; to Superintending Engineer, 3rd grade, 12th April, 1872, and 2nd grade, on 1st January, 1878; to temporary Superintending Engineer, 1st grade, from 1st September, 1876; to 25th March, 1878; and from 1st June, 1880; officiated as Chief Engineer and Secretary to Chief

Commissioner, Oudh, Public Works Department, from 1st July to 1st November, 1872; and from 21st July to 21st October, 1873; officiated as Chief Engineer and Joint Secretary to Government of Bengal, Irrigation Branch, Public Works Department, from 11th May to 31st July, 1877; appointed Superintending Engineer and Secretary to Resident, Hyderabad, Public Works Department, on 1st December, 1879, and to Superintending Engineer, 1st grade, on 19th September, 1880; transferred to North-Western Provinces and Oudh, and appointed to officiate as temporary Chief Engineer, 3rd class; relieved of his duties in Hyderabad, 13th April, 1881, and joined North-Western Provinces, 22nd April, 1881, as Chief Engineer, Buildings and Roads Branch; transferred to Irrigation Branch, November, 1881, and promoted to Chief Engineer, 3rd class, special, January, 1883.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Lieutenant-Colonel Forbes was an Assistant Engineer on the Bari Doab canal from June, 1858 to January, 1862; when he was transferred as Executive Engineer to the Sutlej Canal Survey, where he was employed until the completion of the work in July, 1863, having also in addition been engaged on a survey of Simla in September and October, 1862, and in the preparation of a scheme for the supply of water to Cantonment of Umballa in April and May, 1863; Executive Engineer, Northern Division, Ganges Canal, from July, 1863 to December, 1867, during four months of which period February to May, 1867, he was employed on special duty in the Madras Presidency, reporting on the Kaveri and Krishna and Godavery canals, Superintendent of Irrigation Works, Oudh, in December, 1867; until abolishment of appointment in September, 1872; officiated as Chief Engineer and Secretary to Chief Commissioner, Oudh, Public Works Department, from 1st July to November, 1872; Superintending Engineer, 3rd Circle, Irrigation Branch, North-Western Provinces, until July, 1873, when he was again appointed as Chief Engineer and Secretary in the Public Works Department, Oudh, Superintending Engineer, Bari Doab Canal Circle, Punjab, until March, 1874, when he proceeded on furlough to England; on return from furlough in January, 1876, was appointed Superintending Engineer, Sone Circle, Bengal, and in April, 1877, was transferred to the combined charge of the Midnapore and Gandak Circles; officiated as Chief Engineer and Joint Secretary, Irrigation Branch, Public Works Department, Bengal, from May to July, 1877; employed on special duty under the Government of India to prepare a revised scheme for the Sardah Canal from June to November, 1878; on special duty on the Sindh, Punjab, and Delhi and on the Indus Valley State Railways from November, 1878 to May, 1879; Superintending Engineer, 3rd Circle, Irrigation Works, North-Western Provinces, until September, 1879; when transferred to the 1st Circle, appointed Superintending Engineer and Secretary to Resident, Hyderabad, Public Works Department, on 1st December, 1879; appointed Chief Engineer and Joint Secretary North-Western Provinces, April, 1881, has twice received the thanks of the Governor-General in Council, and has had his services brought "most strongly to the notice of Her Majesty's Government" in a despatch from the Governor-General in Council to the Secretary of State for India.

LEAVE ENJOYED.—Leave in India on medical certificate from 22nd April to 31st October, 1859; privilege leave from 9th May to 8th June, 1860; from 18th December, 1865 to 17th January, 1866; furlough on private affairs for two years, with 30 days' preparatory leave, from 2nd March, 1874; embarked on 2nd April, 1874; reported return, 10th January, 1876; subsidiary leave for one day; privilege leave from 8th April to 13th June, 1878.

PERSONAL ASSISTANT TO CHIEF ENGINEER.

J. S. BERESFORD.—*Vide* Executive Engineer, 2nd grade (page 381).

SUPERINTENDING ENGINEERS.

FIRST CIRCLE, MEERUT.

MAJOR CHARLES WILLIAM INGLEBY HARRISON, ROYAL ENGINEER.—(Born 28th June, 1839.)

SERVICE IN THE MILITARY DEPARTMENT.—First commission in England as 2nd Lieutenant, Bengal Engineers, 11th June, 1858; joined Royal Engineer, establishment, Chatham, 1st August, 1858; promoted to 1st Lieutenant, 27th August,

1858; arrived in India, 9th September, 1860; ordered to do duty with Sappers and Miners, 20th September, 1860; joined head-quarters, Roorkee, 6th October, 1860; in command 6th Company, Sappers and Miners, and also officiating Quartermaster, Sappers and Miners, from 7th February, 1861; confirmed in appointment as officiating Quartermaster, Sappers and Miners, by G. O. C. E. dated 23rd February, 1861; held Quartermastership till 8th April, 1863; passed High Proficiency examination in Hindustani, 11th August, 1862; promoted to Captain, Royal Engineer (Bengal), 14th December, 1870, and to Major, Royal Engineer (Bengal), 1st June, 1878.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Appointed to the Public Works Department as Probationary Assistant Engineer and Deputy Superintendent, posted to and joined Eastern Jumna Canal, 10th April, 1863; promoted to Assistant Engineer, 2nd class, 24th August, 1863; invested with magisterial powers, 5th December, 1863; promoted to Assistant Engineer, 1st class 1st May, 1864; transferred to and joined Rohilkhand Canals, 24th November, 1865, and promoted to Executive Engineer, 4th grade, temporary rank, from the same date; made permanent 15th June, 1866; relieved 11th February, 1867; on transfer to Eastern Jumna Canal, joined 20th February, 1867; promoted to Executive Engineer, 3rd grade, 1st September, 1868, and to Executive Engineer, 2nd grade, 1st March, 1870; placed on special duty, Eastern Jumna Canal, 23rd November, 1870; promoted to Executive Engineer, 1st grade, 1st September, 1872; on return from furlough appointed Assistant to Chief Engineer, Irrigation Branch, North-Western Provinces, joined on 27th April, 1874; posted to and joined Cawnpore Division, Ganges Canal, 25th May, 1874; appointed to officiate as Superintending Engineer, 2nd Circle, Irrigation Works; assumed charge 18th May, 1878; promoted to Superintending Engineer, 3rd class, temporary rank, 20th May, 1878; reverted to Executive Engineer, 1st grade, 11th November, 1878, but continued to officiate as Superintending Engineer, 2nd Circle, till 18th February, 1879; employed on special duty in 2nd Circle, from 18th February to 3rd March, 1879; posted to and assumed charge of Anupshahr Branch, Ganges Canal, 4th March, 1879; officiated as Superintending Engineer, 1st Circle, Irrigation Works, from 1st June to 24th August, 1879; appointed to officiate as Superintending Engineer, 1st Circle, with temporary rank of Superintending Engineer, 3rd class and received charge on 11th November, 1879; promoted to Superintending Engineer, 2nd class, temporary rank, 13th May, 1881; reverted to officiating Superintending Engineer, 2nd class, 5th June, 1881; reverted to 3rd class temporary rank, 30th June, 1881; promoted temporarily to 2nd class 5th July, 1881; reverted to 3rd class temporary rank, 4th December, 1881; promoted permanently to Superintending Engineer, 3rd class, 5th December, 1881, and appointed permanently to the charge of 1st Circle, Irrigation Works, from the same date; appointed as officiating Superintending Engineer, 2nd class, from 1st January, 1882; promoted temporarily to Superintending Engineer, 2nd class, from 11th January, 1882.

LEAVE ENJOYED.—Privilege leave for one month from 22nd August, 1864; privilege leave for six weeks from 9th September, 1868; privilege leave for six weeks from 5th October, 1869; furlough to Europe for two years with preparatory leave for one month and seven days from 25th March, 1872; embarked at Bombay, 29th April, 1872; returned on 24th April, 1874; subsidiary leave to join appointment from 24th to 26th April, 1874; privilege leave from 26th May to 24th August, 1877; and from 24th June, to 23rd September, 1880.

SECOND CIRCLE, ALIGARH.

MAJOR FREDERICK JERVIS HOME, ROYAL ENGINEER.—(Born 22nd October, 1839.)

SERVICE IN THE MILITARY DEPARTMENT.—First commission as Lieutenant, 11th June, 1858; attached to the Royal School of Military Engineering at Chatham, from August, 1858 to March, 1860; on leave and proceeding to India, from March to September, 1860; landed at Calcutta, 9th September, 1860; placed on duty with Bengal Sappers and Miners at Roorkee, October, 1860 to February, 1861; promoted to Captain, 14th December, 1870, and to Major, 31st December, 1878.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Appointed Probationary Assistant Engineer and posted to Bulandshahr Division, Ganges Canal, February, 1861; promoted to permanent Assistant Engineer, 2nd grade, 10th September, 1861; appointed temporarily in charge of the Bulandshahr Branch, Ganges Canal, 1st to 4th February, 1863; transferred to and joined Eastern Jumna Canal, 31st October, 1863; appointed Special Assistant Engineer, and posted to the charge of the Bharatpur Irrigation Works, in January, 1864; received charge of the Agra Irrigation Works, in addition to the Bharatpur Irrigation Works, on 20th September, 1864, and invested with magisterial powers from the same date; promoted to Executive Engineer, 4th grade, 1st April, 1865; transferred from Bharatpur and Agra

Irrigation Works, and posted to Bundelkhand Irrigation Works, December, 1867; promoted to Executive Engineer, 3rd grade, 1st September, 1868; transferred to and joined 2nd Division, Agra Canal, October, 1868, on return from furlough joined the Eastern Jumna Canal, 23rd February, 1871; promoted to Executive Engineer, 2nd grade, 1st September, 1872, and Executive Engineer, 1st grade, 1st March, 1873; appointed to officiate as Superintending Engineer, 2nd Circle, Irrigation Works, 21st May, 1877; and received charge of the Bundelkhand Irrigation Works, in addition to his own duties, 8th June, 1877; made over charge of the 2nd Circle, and reverted to Executive Engineer, 1st grade, 6th August, 1877, and took over charge of the Eastern Jumna Canal, 8th August, 1877; appointed officiating Superintending Engineer, 2nd Circle, with temporary rank of Superintending Engineer, 3rd class, and received charge 18th August, 1877; transferred to 1st Circle, and received charge, 8th May, 1878; promoted temporary 2nd class Superintending Engineer, 20th May, 1878; reverted to temporary 3rd class, 11th November, 1878; made over charge of the 1st Circle, 12th September, 1879, on special duty as Executive Engineer, 1st grade, from 13th to 30th September, 1879; received charge of the 2nd Circle as officiating Superintending Engineer, 3rd class 1st October, 1879; reverted to Executive Engineer, 1st grade, and relieved of the charge, 2nd Circle, 16th February, 1880; on return from furlough was on special duty as Executive Engineer, 1st grade, from 2nd to 4th December, 1881; assumed charge of the 2nd Circle as Superintending Engineer, 3rd class, 5th December, 1881; appointed officiating 2nd class Superintending Engineer, 6th May, 1882; promoted to temporary Superintending Engineer, 2nd class, 27th May, 1882; reverted Superintending Engineer, 3rd class, temporary rank, 18th October, 1882; promoted to Superintending Engineer, 2nd class, temporary rank, 29th October, 1882; reverted to Superintending Engineer, 3rd class, temporary rank, 12th November, 1882; promoted to Superintending Engineer, 3rd class, permanent, 23rd January, 1883, and appointed permanently to the charge of the 2nd Circle, from that date; promoted to Superintending Engineer, 2nd class, temporary rank, 3rd February, 1883.

LEAVE ENJOYED.—Privilege leave from 20th December, 1861 to 20th January, 1862; from 19th June to 19th July, 1863; from 18th June to 17th August, 1865; and from 26th June to 26th August, 1867; furlough for 18 months on private affairs with subsidiary leave from 3rd April, 1869; embarked 1st May, 1869; three months extension of furlough granted by Secretary of State; reported return from furlough at Bombay, 29th January, 1871, and at Allahabad, 6th February, 1871; granted six days' subsidiary leave to join appointment; privilege leave from 23rd September to 23rd October, 1872; from 22nd September to 21st October, 1873; from 23rd September to 23rd October, 1874; from 2nd August to 23rd October, 1876; and from 31st May to 25th August, 1879; furlough for one year and 91 days under rule IX. of 1868, with usual subsidiary leave, from 16th February, 1880; embarked on 1st March, 1880; six months' extension granted on medical certificate by Secretary of State; reported arrival at Bombay, 29th November, 1881, and at Allahabad, 2nd December, 1881.

THIRD CIRCLE, DEHLI.

COLONEL WILLIAM JEFFREYS, ROYAL ENGINEER.—(Born 27th February, 1835.)

SERVICE IN THE MILITARY DEPARTMENT.—First commission as second Lieutenant, 8th June, 1854; service at Addiscombe one year and 307 days; arrived in India, 24th January, 1856; joined the Bengal Sappers and Miners at Roorkee, 1st February, 1856; did regimental duty up to 1st May, 1857; rejoined the Sappers and Miners as company officers at Roorkee, 16th May, 1857 to 15th March, 1858; went on field service, Rohilkhand, as officer commanding detachment, Sappers and Miners, with the field force under Sir J. Jones from about 1st April to 15th June, 1858; was present at the occupation of Moradabad, Bareilly, and Sháhjahánpur, and thanked in General Order in the despatches of Sir J. Jones some time in April, 1858; promoted to Captain, 31st August, 1864; promoted to Major, 5th July, 1872; promoted to Lieutenant-Colonel, 31st December, 1878; promoted to Brevet-Colonel, 31st December, 1882.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Appointed to the Public Works Department as Probationary Assistant Engineer, and posted to North-Western Provinces, May, 1857; temporarily appointed to officiate as Assistant Principal of Roorkee College, December, 1857; promoted to Assistant Engineer, 2nd class, October, 1858; appointed to officiate as Superintendent, Western Jumna Canal, August, 1859; promoted to Executive Engineer, 4th class, 7th August, 1860; appointed Executive Engineer, Rohituck and Bootana Division, Western Jumna Canal, October, 1860; appointed Executive Engineer, Aligarh Division, Ganges Canal, and invested with the power of Deputy Collector and Joint Magistrate, July, 1862; promoted to Executive Engineer, 3rd class, 1st November, 1863; tem-

porarily transferred to Public Works Secretariat, Government of India, November, 1864; retransferred to North-Western Provinces, and posted to Aligarh Division, Ganges Canal, April, 1865; promoted to Executive Engineer, 2nd class, April, 1866; transferred to Bengal, October, 1867; specially deputed to investigate a project of irrigation and navigation from the river Gandak, November, 1867; promoted to Executive Engineer, 1st grade, 1st March, 1869; transferred to North-Western Provinces, and relieved from the Gandak irrigation, April, 1869; appointed to officiate as Assistant to Chief Engineer and Assistant Secretary to Government, North-Western Provinces, Irrigation Branch, May, 1869; transferred to Lower Ganges Canal Division as officiating Executive Engineer, November, 1869; appointed officiating Superintending Engineer, 4th Circle, Irrigation Works, and received charge 11th February, 1870; appointed permanently Superintending Engineer, 3rd grade, 12th April, 1872; promoted to Superintending Engineer, 2nd grade, 10th September, 1874; promoted temporarily to Superintending Engineer, 1st grade, 15th April, 1877; reverted to Superintending Engineer, 2nd class, 11th November, 1878; promoted permanently to Superintending Engineer, 1st class, 1st January, 1880; on return from furlough posted to 3rd Circle, Irrigation Works, North-Western Provinces, and received charge on 6th January, 1882.

LEAVE ENJOYED.—Privilege leave from 1st December, 1874 to 22nd February, 1875; from 10th April to 22nd May, 1878; from 15th May to 5th August, 1879; furlough on private affairs for two years under rule IX of military furlough rules of 1868, with usual subsidiary leave, from 17th February, 1880; embarked from Bombay, 1st March, 1880; returned from furlough and arrived at Calcutta, 27th December, 1881; joined the appointment on 6th January, 1882.

SUPERINTENDENT OF WORKS, BETWA CANAL, JHÁNSI.

MAJOR R. P. TICKELL, ROYAL ENGINEER.—*Vide* Executive Engineer, 1st grade, (page 380.)

EXECUTIVE ENGINEERS.

FIRST GRADE.

CAPTAIN F. V. CORBETT, ROYAL ENGINEER.—(Born 15th December, 1843.)

SERVICE IN THE MILITARY DEPARTMENT.—First Commission as Lieutenant, Royal Engineer, 15th January, 1864; under instructions of S.M.E., Chatham, February, 1864 to August, 1866; left for Bengal, 26th October, 1866; arrived in India, 13th December, 1866; with Bengal Sappers and Miners at Roorkee from January to 24th February, 1867; promoted to Captain, 1st October, 1877.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Appointed Assistant Engineer, 2nd grade, posted to and joined Northern Division, Ganges Canal, 25th February, 1867; invested with the powers of a Magistrate, July, 1867; passed colloquial examination in Hindustani, 12th March, 1868; transferred to Rohilkhand Canal, 1st January, 1869; promoted to Assistant Engineer, 1st grade, 1st March, 1869; appointed to the charge of Ramganga Canal Survey from August to November, 1869; transferred to Etáwah Division, Ganges Canal, 1st March, 1870; appointed to officiate as Executive Engineer of the Division, 4th April, 1870; promoted to Executive Engineer, 4th grade, 1st March, 1871; and to Executive Engineer, 3rd grade, 1st September, 1873; employed on special duty in Etáwah Division, Ganges Canal, 19th February to 20th April, 1876; invested with the powers of Magistrate, 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII) of 1873, 14th July, 1876; on return from furlough posted to special duty with Superintending Engineer, 1st Circle, Irrigation Works, 1st March, 1877; promoted to Executive Engineer, 2nd grade, temporary rank, 5th March, 1877; posted to and joined Meerut Division, 10th March, 1877; appointed to officiate as Superintending Engineer, 1st Circle, 3rd to 8th May, 1878; in addition to his own duties, promoted to Executive Engineer, 2nd grade, 20th October, 1878; transferred to and joined Eastern Jumna Canal, 5th December, 1878; assumed charge on 13th December, 1878; relieved 9th March, 1881; on transfer to Agra Canal, joined 10th March, 1881; invested with the powers of a 2nd class Magistrate within the limits of his Canal Division, July, 1881; promoted to Executive Engineer, 1st grade, permanent, 23rd January, 1883.

LEAVE ENJOYED.—Privilege leave from 7th May to 6th June, 1868; from 7th May to 6th July, 1870; from 19th July to 12th October, 1873; and from 10th October to 12th November, 1874; furlough on private affairs for 18 months with subsidiary leave from 21st April, 1876; embarked from Bombay 3rd May, 1876; reported return from furlough 24th February, 1877; subsidiary leave to 1st March, 1877; privilege leave from 4th to 30th October, 1878; and from 18th September to 25th October, 1880; special leave to study for military promotion for three months, 5th November, 1882 to 4th February, 1883.

MAJOR J. G. HALL, ROYAL ENGINEER.—(Born 24th August, 1842.)

SERVICE IN THE MILITARY DEPARTMENT.—First commission as 2nd Lieutenant 17th December, 1862; attached to the school of Royal Engineering at Chatham from February, 1863 to 17th December, 1864; attached as Subaltern to Service Company, Aldershot, February to April, 1865; reported arrival at Fort William, Calcutta, 12th June, 1865; as Subaltern, Roorkee, June to November, 1865; ordered to Peshawar to command Sappers and Miners at that station, 16th January, 1866; rejoined Public Works Department, Irrigation Branch, 20th February, 1866; promoted to Captain, 9th April, 1877; to Major, 17th December, 1882.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Appointed Assistant Engineer, 2nd grade, and posted to North-Western Provinces, Irrigation Branch; joined Aligarh Division Ganges Canal 4th December, 1865; transferred to Military duty and left the Division on 16th January, 1866; rejoined Aligarh Division on return from military duty, 20th February, 1866; invested with magisterial powers in January, 1867; promoted to Assistant Engineer, 1st grade, 1st September, 1868; posted to and joined Bulandshahr Branch Ganges Canal, 17th April, 1869; passed departmental examination, 15th May, 1869; promoted to Executive Engineer, 4th grade, 10th October, 1869; appointed Personal Assistant to Superintending Engineer, 1st Circle, Irrigation Works, 26th February, 1872; posted to and joined Kásganj Division, Lower Ganges Canal, 15th November, 1872; assumed charge, 20th November, 1872; promoted to Executive Engineer, 3rd grade, 1st September, 1873; promoted to 2nd grade, 9th December, 1874; on return from furlough posted to and assumed charge of Cawnpore Division, Lower Ganges Canal, 23rd January, 1879; invested with the powers of a Magistrate, 2nd class, in regard to the officers described in section 70 of the Canal Act (VIII) of 1871, 18th February, 1879; promoted to Executive Engineer, 1st grade, 1st November, 1881.

LEAVE ENJOYED.—Privilege leave from 17th April to 8th June, 1868; from 2nd May, to 1st August, 1871; and from 9th July, to 9th October, 1875; furlough for one year on private affairs with subsidiary leave for one month from 24th April, 1877; embarked from Bombay, 2nd May, 1877; extension of furlough on private affairs for eight months and 15 days; landed at Bombay, 15th January, 1879, and granted eight days' subsidiary leave to join appointment; privilege leave from 9th May to 24th July, 1881; special leave to study for military promotion for six weeks from 16th March, 1882; granted one month's extension of special leave; returned 27th May, 1882.

MAJOR T. HOWARD, ROYAL ENGINEER.—(Born 26th February, 1839.)

SERVICE IN THE MILITARY DEPARTMENT.—First commission, 22nd June, 1859; attached to Royal Engineering establishment, Chatham, from June, 1859 to June, 1861; employed in Edinburgh district from June, 1861 to June, 1863; in charge of Fort George Division, North Britain district, Inverness, June 1863 to August, 1864; Royal Engineer establishment, Chatham, September, 1864; on works and as Subaltern, Royal Engineer Company, Mauritius November 1864 to December, 1867; Royal Engineer establishment, Chatham, June to September, 1868; transferred to Indian establishment September 1868; arrived in India, November, 1868; promoted to Captain, 3rd August, 1872; to Major 1st July, 1881.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Appointed Executive Engineer, 4th grade, and posted to Eastern Jumna Canal, joined 1st March, 1869; invested with the powers of a Deputy Magistrate and Assistant Collector under Act VII of 1845, October, 1869; passed lower standard examination in Hindustani, 5th April, 1869; posted to Agra Canal, 1st Division, and joined 10th December, 1869, for the purpose of designing and laying out rájbahas; promoted to Executive Engineer, 3rd grade, 1st March, 1871; transferred to Executive charge of the Aligarh Division, Ganges Canal, and joined 23rd March, 1872; promoted to Executive Engineer, 2nd grade, 1st March, 1874; invested with the powers of Magistrate, 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII) of 1873, 14th July, 1876; on return from furlough employed on special duty in the office of Superintending Engineer, 1st Circle, from 5th to 8th November, 1879; posted to Executive charge of and joined Anúpsahar Division, Ganges Canal, 9th November, 1879; promoted to Executive Engineer, 1st grade, 1st November, 1881.

LEAVE ENJOYED.—Special leave for two months from 5th October, 1870, to study for the higher standard examination in Hindustani; privilege leave for two months from 20th June 1872; privilege leave for one month from 15th September 1873; privilege leave from 10th August to 7th November 1875; furlough to Europe on private affairs for one year with 15 days' subsidiary leave from 8th March, 1878; embarked from Bombay, 16th March 1878; extended by another year by Secretary of State, disembarked, 30th October 1879; returned 5th November, 1879; privilege leave from 5th August to 3rd November, 1882.

MAJOR JUSTIN CHARLES ROSS, ROYAL ENGINEER.—(Born 10th December, 1841.)

SERVICE IN THE MILITARY DEPARTMENT.—First Commission as Lieutenant, Royal Engineer, 8th June, 1860; attached to School, Military Engineering at Chatham, October, 1860 to June 1862; arrived in India 11th July, 1862; with Sappers and Miners, Roorkee from July, 1862 to May, 1864; attached to School Military Engineering at Chatham from 3rd October to 5th December, 1881; promoted to Captain, 24th August, 1873; promoted to Major, 1st July, 1881.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Appointed Probationary Assistant Engineer; posted to North-Western Provinces Irrigation Branch; posted to and joined Etawah Division, Ganges Canal, 9th May, 1863; promoted to Assistant Engineer, 2nd grade permanent 19th February, 1864; promoted to 1st grade Assistant Engineer 1st April, 1866; passed higher standard examination in Hindustani, 3rd June, 1867; promoted to 4th grade Executive Engineer, 30th October, 1867; transferred to and joined Aligarh Division, Ganges Canal, 25th February, 1868; transferred to Fatehgarh Branch, Ganges Canal and received charge 16th June, 1868; promoted to Executive Engineer, 3rd grade, 1st March, 1870; on return from furlough posted to and joined Bulandshahr Division, 18th January, 1872; received charge of the Division, 26th February, 1872; invested with magisterial powers under section 8, Act VII of 1845 24th April, 1872; promoted to Executive Engineer, 2nd grade 1st September, 1873; relieved 2nd August 1874; on transfer to Distributaries, Lower Ganges Canal, joined 3rd August, 1874; appointed to officiate as Executive Engineer, Kasganj Division, in addition to his own duties, and received charge 24th April 1877; relieved of the charge of Kasganj Division, 15th July, 1877; received charge of the Bhognipur Division in addition to his other duties, 27th August, 1877; on special duty in connection with Kali Naddi drainage works, 5th March, 1878; promoted to Executive Engineer, 1st grade, temporary rank, 25th March, 1878; returned from special duty and received charge of Bhognipur and Distributaries Division Ganges Canal 4th May 1878; reverted to Executive Engineer, 2nd grade, 25th November, 1878; relieved of the charge of Bhognipur Division, 16th December, 1878; promoted to Executive Engineer, 1st grade, 1st October 1881; on return from furlough employed on special duty, Meerut Division Ganges Canal, from 28th February to 9th March 1882; appointed to and received charge of Meerut Division, Ganges Canal, 10th March, 1882.

LEAVE ENJOYED.—Privilege leave from 11th October to 11th November, 1865; special leave to study native language from 6th March to 9th June 1867; privilege leave from 18th August to 18th October, 1869; furlough for twenty-two months with one month's preparatory leave from 15th April, 1870; embarked from Bombay 8th May, 1870; returned from furlough 12th January, 1872; subsidiary leave from 12th to 16th January, 1872; furlough on private affairs for one year and 115 days, with 12 days' subsidiary leave, from 12th April, 1880; embarked 24th April, 1880; three months' extension of furlough on medical certificate granted by Secretary of State; one month's extension of furlough after quitting school of Military Engineering on 6th December, 1881; reported return 15th February, 1882; subsidiary leave to 27th February, 1882.

MAJOR GRAY TOWNSEND SKIPWITH, ROYAL ENGINEER.—(Born 2nd November, 1838.)

SERVICE IN THE MILITARY DEPARTMENT.—First commission, 2nd Lieutenant, Bengal, 11th June, 1858; attached to the Royal Engineering Establishment, Chatham, 1st August, 1858; embarked for India, 22nd May, 1860; arrived at Calcutta 9th September, 1860; joined Roorkee 6th October, 1860; promoted to 1st Lieutenant, 20th September, 1861; promoted to Captain, local rank, 11th June, 1870; promoted to substantive rank of Captain, 2nd January, 1871; promoted to Major, local rank, 11th June, 1878; promoted to substantive rank of Major, 31st December, 1878.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Appointed probationary Assistant Engineer and Deputy Superintendent, Bulandshahr Branch, Ganges Canal, 3rd February, 1861; promoted to Assistant Engineer, 2nd grade, 10th September, 1861; posted to Aligarh Division, 22nd June, 1862; promoted to Assistant Engineer, 1st grade, 1st November, 1863; posted to Roorkee as Deputy Superintendent, Northern Division, Ganges Canal, 9th May, 1864; promoted to Engineer, 4th grade, Northern Division, 1st April, 1865; relieved 19th March, 1867, on transfer to Central Provinces; transit from Central Provinces to join appointment as Assistant Secretary to Government in the Public Works Department, from 8th to 14th February, 1872; held the appointment from 15th February, 1872 to 25th May, 1874; promoted to Executive Engineer, 1st grade, 24th April, 1874; appointed officiating Under-Secretary to Government, Public Works Department 26th May to 17th June, 1874; reverted to Executive Engineer, 1st grade, and Assistant Secretary to Government of India, Public Works Department, 18th June, 1874; transferred to North-Western Provinces, Irrigation Branch, 20th November, 1878; permanently appointed to Meerut Division, Irrigation Branch, Executive Engineer,

1st grade, and joined on 4th December, 1878; invested with the powers of Magistrate, 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII.) of 1873, 14th January, 1879; relieved on 4th October, 1879; on transfer to Northern Division, received charge, 8th October, 1879; appointed officiating Superintending Engineer, 2nd Circle, with temporary rank of Superintending Engineer, 3rd class; made over charge of Northern Division, 9th February, 1880, and received charge of the 2nd Circle, Irrigation Works, 17th February, 1880; posted to 3rd Circle, Irrigation Works, as Superintending Engineer, 3rd class, temporary rank, 5th December, 1881; reverted to Executive Engineer, 1st grade permanent, and posted on special duty in 2nd Circle, Irrigation Works, 6th January, 1882; availed of subsidiary leave preparatory to his proceeding on furlough, 19th February, 1882.

LEAVE ENJOYED.—Privilege leave for one month from July to August, 1862; privilege leave from 23rd November, 1864 to 23rd January, 1865; leave on medical certificate in India from 13th May to 11th November, 1866; leave on medical certificate out of India from 23rd January, 1868 to 24th January, 1870; privilege leave from 17th August to 16th November, 1874, and from 8th November to 9th December, 1875; subsidiary leave from 9th to 22nd October, 1876; furlough from 23rd October, 1876 to 25th April, 1877; subsidiary leave from 26th April to 1st May, 1877; privilege leave from 24th June to 24th September, 1880; furlough to Europe on private affairs for one year, with usual subsidiary leave from 19th February, 1882; embarked at Bombay, 2nd March, 1882; one month's extension of furlough on private affairs granted by Secretary of State; six months' further extension of furlough on private affairs granted by Secretary of State.

MAJOR R. P. TICKELL, ROYAL ENGINEER.—(Born 20th March, 1841.)

SERVICE IN THE MILITARY DEPARTMENT.—First commission as Lieutenant, 9th December, 1859; attached to the Royal Engineering Establishment at Chatham from 2nd February, 1860 to 21st August, 1861; sailed for India, 20th November, 1861; landed in India, 30th December, 1861; joined Suppers and Miners, Roorkee, 18th January, 1862; promoted to Captain, 18th July, 1871; permitted by Secretary of State to join the Military School of Engineering at Chatham on 1st March, 1874; Field Engineer, Landi Kotal, from 2nd November to 31st December, 1879; Field Engineer, Kabul, from 14th January to 20th October, 1880; promoted to Major, 1st July, 1881.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Service placed at the disposal of Government of India, Public Works Department, 17th March, 1863; appointed Probationary Assistant Engineer and Deputy Superintendent, Cawnpore Division, Ganges Canal, North-Western Provinces, from 6th April, 1863; transferred to and joined Aligarh Division, Ganges Canal, 26th May, 1863; promoted Assistant Engineer, 2nd grade, 2nd January, 1864; passed P. H. examination in Hindustani, 11th July, 1864; promoted to Assistant Engineer, 1st grade, 1st April, 1866; appointed officiating Executive Engineer, Rohilkhand Canals, 11th February, 1867; promoted permanently to Executive Engineer, 4th grade, 29th October, 1867; appointed to Tarai Contour Survey, 17th October, 1868; promoted to Executive Engineer, 3rd grade, Rohilkhand Canals, 1st March, 1869; promoted to Executive Engineer, 2nd grade, 1st March, 1870; on special duty preparing estimates and designs of the survey and other canals, 10th May, 1871; appointed officiating Superintending Engineer, 3rd Circle, received charge, 6th July, 1871; reverted to Executive Engineer, 2nd grade and posted to Rohilkhand Canals, 1st November, 1871; on return from furlough posted to and joined Bhognipur Division, 31st October, 1874; relieved 17th June, 1875, on transfer to Northern Division, Ganges Canal, joined 19th June, 1875; invested with the powers of Magistrate, 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII.) of 1873, 14th July, 1876; promoted temporarily to Executive Engineer, 1st grade, 18th August, 1877; reverted to permanent 2nd grade, 16th December, 1878; promoted temporarily to Executive Engineer, 1st grade, 8th September, 1879; relieved 9th October, 1879, and services placed at disposal of Commander-in-Chief for field service; promoted permanently to Executive Engineer, 1st grade, 1st June, 1880; returned from field service and posted to 1st Circle on special duty, 21st October, 1880; on return from furlough posted to and joined Eastern Jumna Canal, 28th November, 1881; relieved 27th April, 1882, and appointed Superintendent of Works, Betwa Canal, assumed charge on 3rd May, 1882.

LEAVE ENJOYED.—Privilege leave from 22nd October to 21st November, 1864; from 22nd September to 21st November, 1866; furlough on private affairs for two years with preparatory leave for 30 days from 2nd April, 1872; embarked from Bombay, 22nd April, 1872; returned from furlough, 14th October, 1874; subsidiary leave to join appointment, 14th to 30th October, 1874; privilege leave from 12th June to 2nd August, 1877; furlough on private affairs for one year and nine days under rule IX of 1868, with subsidiary leave from 12th November, 1880; embarked from Bombay, 20th November, 1880; returned from furlough on 28th November, 1881.

SECOND GRADE.

A. H. BARRON.—(Born 23rd November, 1843.)—Appointed by Government of India as an Assistant Engineer, 2nd grade, and posted to the Northern Division, Ganges Canal, joined 27th May, 1868; passed colloquial examination in Hindustani, 30th July, 1869; appointed officiating Executive Engineer, Fatehgarh Branch, Ganges Canal, joined 23rd August, 1870; relieved 30th October, 1870; retransferred, Northern Division, joined 3rd November, 1870; relieved 28th December, 1870; on transfer to 1st Division, Agra Canal, joined 2nd January, 1871; relieved 4th May, 1871; on transfer to 2nd Division, Agra Canal, joined 10th May, 1871; passed lower standard examination, 3rd July, 1871; transferred to Central Division, Agra Canal, joined 1st April, 1872; promoted to Assistant Engineer, 1st grade, 1st September, 1872; transferred to 1st Division, Agra Canal, from 1st July, 1873, Central Division being abolished; passed departmental examination, 13th December, 1873; appointed officiating Executive Engineer, 1st Division, Agra Canal, 1st September, 1874; relieved 31st October, 1874 afternoon; passed Canal Law examination by higher standard, April, 1875; appointed officiating Executive Engineer, 1st Division, and received charge 16th June, 1875; promoted to temporary Executive Engineer, 4th grade, 1st May, 1875, and permanent Executive Engineer, 4th grade, 23rd September, 1875; transferred to Bulandshahr Division, Ganges Canal, and joined 6th January, 1876; invested with the powers of Magistrate, 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII) of 1873, 14th July, 1876; relieved 12th March, 1877; on return from furlough posted to Cawnpore Division on special duty, joined 31st December, 1878; relieved 1st May, 1879; on transfer to Agra Canal, joined 7th May, 1879; transferred to and joined Etawah Division, 3rd October, 1879; promoted to permanent Executive Engineer, 3rd grade, 1st June, 1880; promoted to permanent Executive Engineer, 2nd grade, 3rd September, 1882.

LEAVE ENJOYED.—Privilege leave from 24th June, to 23rd August, 1870; sick leave from 29th May to 15th October, 1871; privilege leave from 16th August to 15th October, 1873; and from 25th September to 24th November, 1876; furlough on private affairs for twenty months with usual subsidiary leave from 12th March, 1877; embarked on 21st March, 1877; extension of furlough for one month granted, reported return 18th December, 1878; subsidiary leave from 18th to 13th December, 1878; privilege leave from 1st August to 31st October, 1882.

J. S. BERESFORD, M.E.—(Born 11th February, 1845.)—Graduated in Civil Engineering Queen's University, Ireland, in 1865; subsequently underwent a practical course of training for two years to qualify for entering Indian service; passed the competitive examination for Engineer appointments in the Public Works Department in India, held in London in July, 1867, and appointed under covenant with Her Majesty's Secretary of State for India, dated 26th July, 1867, as an Assistant Engineer, 3rd grade, with effect from that date; landed in India on 17th October, 1867; posted to the Meerut Division, Ganges Canal, and joined on the 1st November, 1867; promoted to Assistant Engineer, 2nd grade, from 1st September, 1868; employed on project for remodelling Ganges Canal; passed colloquial examination in Hindustani, on 30th July, 1869, carried out extensive special repairs to the Chatamah falls after their collapse in 1869; promoted to Assistant Engineer, 1st grade, from 1st March, 1870; officiated as Executive Engineer, in charge of the Meerut Division, Ganges Canal, from 13th April, 1870 to 8th February, 1872; invested with magisterial powers; transferred to Northern Division, Ganges Canal, and joined on the 18th May, 1872; passed lower standard and departmental examinations on the 3rd and 20th June 1872, respectively; promoted to Executive Engineer, 4th grade, 1st September 1872; transferred to Eastern Jumna Canal, as officiating Executive Engineer, and took over charge of the Division on the 23rd September, 1872; retransferred to Northern Division, Ganges Canal, and joined on 27th October, 1872; appointed to the Executive charge of the Northern Division, Ganges Canal, from 14th December, 1872 to 15th February, 1873, and again from 11th April to 16th June, 1873; transferred to the Bulandshahr Division, Ganges Canal; on special duty, joined on 22nd August, 1873; transferred to the Executive charge of the Anupshahr Division, Ganges Canal, joined 31st October, 1873; promoted to Executive Engineer, 3rd grade, temporary rank from 1st May, 1875, and to permanent rank from 23rd September, 1875; invested with the powers of Magistrate, 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII) of 1873, July 1876; promoted to Executive Engineer, 2nd grade, temporary rank from 12th March, 1877; transferred to Public Works Secretariat, as Personal Assistant to Chief Engineer, Irrigation Works, North-Western Provinces and Oudh, 21st May, 1877; reverted to Executive Engineer, 3rd grade, from 21st January 1879; again promoted to Executive Engineer, 2nd grade, temporary rank, from 8th September, 1879, and made permanent in that grade, on the 1st January, 1880; from 22nd February to the 25th April, 1881, deputed on special duty to carry out important additions to the weir across the Ganges river at Narora; promoted to Executive Engineer, 1st grade, *sub. pro tem.*, 15th November, 1883.

LEAVE ENJOYED.—Special leave to study the languages from 16th February to 15th May, 1872; privilege leave from 23rd June to 14th August, 1872; from 16th June to 22nd August, 1873; and from 21st May to 3rd July, 1875.

R. A. CORDNER, M.I.C.E.—(Born 9th July, 1843.)—Appointed by Government of India as an Assistant Engineer, 2nd grade, 20th February, 1868 and posted to the Meerut Division, Ganges Canal; passed lower standard examination in Hindustani, 3rd September, 1868; promoted to Assistant Engineer, 1st grade, 1st March, 1869; transferred to Fatchgarh Division Ganges Canal, 15th March, 1870; passed departmental standard examination, 4th April 1870; officiated as Executive Engineer from 15th April to 30th August, 1870 and invested with magisterial powers; promoted to Executive Engineer 4th grade 1st March, 1871; on return from furlough transferred to Bengal famine relief works; received charge of works in Purneah district, 8th December, 1873; retransferred to North-Western Provinces, 23rd November, 1874; posted to Anupshahr Branch Division, Ganges Canal, 2nd December 1874; promoted to Executive Engineer, 3rd grade, 9th December, 1874; promoted temporarily to Executive Engineer, 2nd grade 7th May, 1877; reverted 25th November, 1878; transferred to Dūn Canal, 3rd April 1879; invested with the powers of Magistrate 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII) of 1873 13th May, 1879; transferred to Northern Division Ganges Canal, 14th February, 1880; promoted to permanent Executive Engineer, 2nd grade, 1st June, 1880; transferred to Meerut Division, Ganges Canal 9th October, 1880; employed on special duty in the Division from 10th to 14th March, 1882.

LEAVE ENJOYED.—Privilege leave for two months from 30th August 1870; preparatory leave for a month to appear before medical board, Bombay 19th February, 1872; 20 months' leave on medical certificate from 11th March, 1872; returned 8th November, 1873; privilege leave from 4th May to 4th July 1878; privilege leave for two months from 4th July, 1880; and again from 15th May to 7th July, 1881; furlough on private affairs for one year and five months, with 14 days' subsidiary leave, from 15th March, 1882; embarked on 25th March, 1882.

A. GRANT, A.M.I.C.E.—(Born 8th October, 1848.)—Came out as Assistant Engineer, 3rd grade, under covenant with Her Majesty's Secretary of State for India, dated 26th July, 1867; posted to North-Western Provinces, arrived at Allahabad 1st November, 1867; posted to and joined Bulandshahr Branch, Ganges Canal 20th November 1867; promoted to Assistant Engineer 2nd grade, 1st September, 1868; relieved 18th March, 1869; on transfer to Rāmanga or Eastern Ganges Canal, on special duty, joined 20th March 1869; promoted to Assistant Engineer, 1st grade, 1st September, 1869; passed colloquial examination in Hindustani, 30th July, 1870; promoted to Executive Engineer 4th grade, 1st March, 1873; passed lower standard examination, 3rd March, 1873, and departmental standard examination, 17th April, 1873; transferred temporarily to Eastern Jumna Canal, 23rd June 1873; on special duty under Superintending Engineer from November, 1869 to March, 1873, when he assumed charge of the Eastern Ganges Canal Division; relieved 22nd October, 1873, and retransferred to Eastern Ganges Canal, joined 3rd November, 1873; transferred to Bengal famine relief works 4th December, 1873; held charge of Bhagalpur Division from 9th December, 1873 to 4th June 1874; retransferred from Bengal and assumed duties as Personal Assistant to Superintending Engineer, 1st Circle Irrigation Works 7th June, 1874; appointed to the charge of the Deoband Branch Survey, 1st December, 1874; appointed in addition to his own duties to, and received charge of, Anupshahr Branch Ganges Canal, 21st May 1875; promoted to temporary 3rd grade Executive Engineer, 2nd July, 1875; relieved of the charge of Anupshahr Ganges Canal, 5th July, 1875; in addition to his own duties as Executive Engineer Deoband Branch Survey, appointed to hold charge of Meerut Division Ganges Canal from 2nd August to 30th September 1875; promoted to permanent Executive Engineer, 3rd grade 10th June 1876; posted to Aligarh Division; on return from furlough assumed charge on 8th March, 1878; temporarily transferred on special duty to Rae Bareilly district 1st May 1878; promoted temporary Executive Engineer, 2nd grade, 20th May, 1878; returned from special duty, and resumed charge of Aligarh Division, Ganges Canal, 30th July, 1878; invested with the powers of Magistrate, 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII) of 1873, 30th August, 1878; reverted to 3rd grade Executive Engineer, 11th November, 1878; promoted to permanent Executive Engineer, 2nd grade, 1st June 1880; on return from furlough was employed on special duty under orders of Chief Engineer from 19th February to 17th March, 1883; posted to, and received charge of, Mainpuri Division, Lower Ganges Canal, on 21st March, 1883.

LEAVE ENJOYED.—Privilege leave from 10th July to 9th October, 1871; furlough for two years on private affairs, with subsidiary leave from 16th March, 1876; embarked from Calcutta, 24th April 1876; reported arrival at Bombay on return from furlough, 28th February 1878; subsidiary leave to 7th March, 1878; privilege leave

from 16th September to 8th December, 1880; furlough on private affairs for nine months with subsidiary leave from 18th April 1882; embarked from Bombay 28th April, 1882; 20 days' extension of furlough granted by Secretary of State; reported return at Bombay, 13th February, 1883; subsidiary leave to 19th February, 1883.

M. KING.—(Born 16th July, 1847.)—Appointed by Government of India as an Assistant Engineer, 3rd grade; reported himself to Chief Engineer at Allahabad, 20th February, 1868; proceeded to Delhi the same day, and reported his arrival there, by letter, to Major Brownlow; ordered to join the Etawah Division, Ganges Canal, 26th February, 1868; reported himself to Executive Engineer, Etawah Division, 29th February, 1868; passed departmental examination, 1st October, 1866; promoted to Assistant Engineer, 2nd grade, 1st March, 1869; passed colloquial examination, 29th May, 1869; passed lower standard examination, 5th September 1870; appointed Personal Assistant to Superintending Engineer 4th Circle, 15th May, 1872; promoted to Assistant Engineer, 1st grade, 1st September, 1872; appointed to officiate as Executive Engineer, Narora Division, Lower Ganges Canal, from 16th September to 3rd October, 1872, and from 6th January to 5th March, 1873; passed departmental standard examination, 30th June, 1873; promoted permanently to Executive Engineer, 4th grade, 9th December, 1874; passed higher standard in Canal Law, April, 1876; transferred from 4th Circle, Superintending Engineer's office, and joined 1st Circle, Meerut Division Ganges Canal, 6th April, 1876; transferred to, and received charge of, 1st Division, Agra Canal, 3rd July 1876; invested with the powers of Magistrate, 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII) of 1873, 28th July, 1876; transferred to 2nd Division, Agra Canal, on its amalgamation with 1st Division, on 15th February, 1877; promoted temporarily to Executive Engineer, 3rd grade, 7th May, 1877; appointed Traffic Manager in addition to his own duties and took charge of Agra Navigation, 8th September, 1877; reverted to permanent 4th grade Executive Engineer, 15th December, 1878; promoted to permanent 3rd grade Executive Engineer, 8th September, 1879; promoted to Executive Engineer, 2nd grade, 1st October, 1881; on return from furlough was employed on special duty in the Agra Canal Division from 22nd October to 4th November, 1882; received charge of the Division, 5th November, 1882; relieved 5th February, 1883; on transfer to Aligarh Division, Ganges Canal, received charge 13th February, 1883.

LEAVE ENJOYED.—Privilege leave from 21st December, 1870 to 20th February, 1871; from 5th November to 4th December, 1875; from 6th January to 5th April, 1876; and from 8th May to 7th August, 1879; furlough for twelve months from 22nd March, 1881; seven months' extension of furlough granted by Secretary of State; reported return at Bombay on 18th October, 1882.

C. G. PALMER.—(Born 15th October, 1847.)—Passed student, Thomason College, Roorkee, appointed Apprentice Engineer by Government of India, and posted to Chakrata Division, Public Works, joined 7th October, 1868; promoted to Assistant Engineer, 3rd grade, 1st March 1869; employed on mountain road work heavy blasting and erecting a suspension bridge over the Jumna; posted to and joined Meerut Division, Ganges Canal, 28th April, 1870; promoted to Assistant Engineer, 2nd grade, 30th June, 1870; carried out the heavy repairs on falls and locks; promoted to Assistant Engineer, 1st grade, 1st September, 1872; passed colloquial examination in Hindustani 26th September, 1872; posted to and joined Cawnpore Division, 29th November, 1872; officiated as Executive Engineer of the Division from 14th November to 27th November, 1873; again from 14th March to 10th April, 1874; passed higher standard in Canal Law, April, 1874; passed lower standard examination in Hindustani, 4th January, 1875; promoted temporarily to Executive Engineer, 4th grade, 2nd July, 1875; posted to and joined Northern Division, Ganges Canal, 6th August, 1875; employed on special repairs, Jaoli Falls; relieved 22nd September, 1875; on retransfer to Cawnpore Division, joined 25th September, 1875; appointed to officiate as Executive Engineer, Etawah Division, from 19th February, 1876; promoted permanently to Executive Engineer, 4th grade, 24th May, 1876; passed departmental standard examination in Hindustani, 3rd July, 1876; invested with the powers of Magistrate, 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII) of 1873, 14th July, 1876; promoted temporarily to Executive Engineer, 3rd grade, 2nd June, 1877; employed on special duty in Superintending Engineer's office, 2nd Circle, 17th May, 1880; promoted permanently to Executive Engineer, 3rd grade, 1st June, 1880; transferred to, and received charge of Narora Division, 11th June, 1880; relieved 2nd October, 1880; on transfer to Bhognipur Division, joined 9th October, 1880; relieved 25th April, 1882; on transfer to Eastern Jumna Canal, joined 28th April, 1882, promoted permanently to Executive Engineer, 2nd grade, 23rd January, 1883.

LEAVE ENJOYED.—Privilege leave from 26th September to 18th October, 1871; from 1st October to 29th November, 1872; from 8th May to 6th August, 1875; and from 19th June to 3rd August, 1877; furlough on private affairs for two years,

with subsidiary leave for 21 days, from 7th to 24th May, 1878; returned from furlough 25th April, 1880; subsidiary leave from 25th April to 16th May, 1880.

CAPTAIN J. L. MACPHERSON, ROYAL ENGINEER.—(Born 21st April, 1842.)

SERVICE IN THE MILITARY DEPARTMENT.—First commission as Lieutenant, Royal Engineer, 1st March, 1864; attached to the Royal School of Engineering at Chatham from 1st April, 1864 to 30th September, 1866; in charge Government woods, forests, reservoirs, &c., at Aldershot from 1st December, 1866 to 22nd November, 1867; on Plymouth defences from 23rd November, 1867 to 1st August, 1868; on voyage to India from 1st October to 13th November, 1868; with Sappers and Miners on hill road, Roorkee and Chakrata, from 27th November, 1868 to 9th March, 1869; gazetted local Captain, 1st March, 1876; gazetted Captain, Royal Engineers, 1st October, 1877; posted to Kurram Valley as Field Engineer, Kurram force, from 28th October, 1879 to 1st October, 1880; passed examination in subjects (a) and (b) for promotion to Major on the 9th December, 1882.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Appointed to the Public Works Department, North-Western Provinces, as an Assistant Engineer, 2nd grade, and posted to Meerut Division, Ganges Canal, joined 10th March, 1869, but appointed to officiate as Personal Assistant to Superintending Engineer, 1st Circle, from that date; passed lower standard examination in Hindustani, 4th October, 1869; transferred temporarily to Northern Division, Ganges Canal, and joined 5th January, 1870; posted to and joined Aligarh Division, Ganges Canal, 13th July, 1871; promoted to Assistant Engineer, 1st grade, 1st March, 1872; appointed officiating Executive Engineer from 20th June to 19th August, 1872; relieved 11th December, 1872, on transfer to Camp of Exercise; returned from Camp of Exercise, and joined Aligarh Division, Ganges Canal, 24th February, 1873; passed departmental standard examination, 28th April, 1873; appointed officiating Executive Engineer from 15th September to 14th October, 1873; promoted to Executive Engineer, 4th grade, 8th April, 1874; relieved 16th December, 1874; on transfer to Distributary Survey or Shikohabad Division, joined 18th December, 1874; appointed officiating Executive Engineer, Aligarh Division, Ganges Canal, received charge 10th August, 1875; relieved 8th November, 1875; on transfer to Shikohabad Distributary Survey Division, joined 9th November, 1875; on return from furlough, posted to and joined Bhognipur Division, 31st March, 1879; relieved 12th May, 1879; on transfer to officiate as Executive Engineer, Northern Division, Ganges Canal, joined 13th May, 1879; posted to Etawah Division, Ganges Canal; received charge 22nd August, 1879; relieved 5th October, 1879 and transferred to Military Department, for field service; promoted to Executive Engineer, 3rd grade, 1st January, 1880, on return from military service; posted to Dún Canal, joined 13th October, 1880; received charge 21st October, 1880; passed higher standard in Canal Law on 18th October, 1881; promoted to Executive Engineer, 2nd grade, 1st November, 1881; invested with the powers of Magistrate, 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII) of 1873, 20th February, 1882.

LEAVE ENJOYED.—Privilege leave from 16th September to 15th October, 1870; from 18th September to 17th October, 1872; from 25th May to 6th July, 1874; from 22nd May to 8th August, 1875; and from 9th September to 15th October, 1876; furlough on private affairs for two years with subsidiary leave for one month, from 13th March, 1877; embarked 21st March, 1877; arrived at Bombay on return from furlough, 18th March, 1879; subsidiary leave from 18th to 30th March, 1879; privilege leave from 25th April to 28th July, 1882; special leave to study for military promotion from 14th November, 1882 to 13th February, 1883; furlough in India for 106 days (of which three days under Rules IX and XV, and 103 days under Rule XVI, clause 2 of the Military furlough rules of 1868), from 14th February, 1883; returned 14th May, 1883, unexpired portion cancelled.

W. P. RICHARDSON, A.M.I.C.E.—(Born 6th August, 1843.)—Joined the service under covenant with the Secretary of State for India, 8th October, 1868; arrived in India, 21st December, 1868; posted to the Bundelkhand Irrigation Survey as Assistant Engineer, 2nd grade, 24th December, 1868; appointed officiating Executive Engineer, 6th December, 1869; passed colloquial examination in Hindustani, 18th June, 1870; promoted to Assistant Engineer, 1st grade, 1st September, 1870; passed lower standard examination, 7th November, 1870; passed departmental examination in Urdu, 10th February, 1871; transferred on return from leave to Eastern Jumna Canal on special duty and joined 8th August, 1872; permanently appointed Executive Engineer, 4th grade, 1st September, 1872; rejoined Bundelkhand Irrigation Survey, 9th September, 1872; services retained after expiry of his covenant with Secretary of State; transferred to 4th Circle, Irrigation Works, on special duty, 28th April, 1874; transferred to 2nd Circle, Irrigation Works, on special duty, 1st January, 1876; promoted temporarily to Executive Engineer, 3rd grade, 24th April, 1876; transferred to 2nd Division, Agra Canal, 1st November,

1876; relieved 23rd March, 1877; passed by higher standard in Canal Law, April, 1877; reported himself on return from furlough at Superintending Engineer's Office, 1st Circle, 29th December, 1878, and posted to Etawah Division, Ganges Canal; promoted temporarily to Executive Engineer, 3rd grade, 29th December, 1878; reverted to permanent 4th grade, 21st January, 1879; promoted temporary Executive Engineer, 3rd grade, 24th February, 1879; transferred to Mat branch, 22nd May, 1879; transferred to Bulandshahr Division, 18th October, 1879; invested with the powers of Magistrate, 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII) of 1873, 6th February, 1880; promoted to permanent Executive Engineer, 3rd grade, 1st June, 1880; promoted to Executive Engineer, 2nd grade, 1st November, 1881.

LEAVE ENJOYED.—Sick leave from 7th June to 7th August, 1869; privilege leave from 8th May to 8th August, 1872; furlough on private affairs for 18 months, with usual subsidiary leave, from 25th March, 1877; embarked from Bombay, 23rd April, 1877; extension of furlough for two months granted by Secretary of State; reported return at Bombay, 20th December, 1878; subsidiary leave for 10 days to join appointment; privilege leave from 2nd September to 7th October, 1880; and from 7th September to 15th October, 1882.

J. L. TICKELL.—(Born 7th November, 1845.)—Came out as an Assistant Engineer, 3rd grade, under covenant with Secretary of State for India dated 21st December, 1868; arrived at Allahabad, 9th March, 1869; posted to and joined Cawnpore Division, Ganges Canal, 2nd April, 1869; promoted to Assistant Engineer, 2nd grade, 30th June, 1870, and to 1st grade, 1st September, 1872; passed colloquial examination in Hindustani, 15th April, 1873; temporarily transferred to, and employed in, Northern Division, Ganges Canal, from 22nd August to 23rd September, 1873; rejoined Cawnpore Division, Ganges Canal, 25th September, 1873; relieved 8th February, 1875; on transfer to Meerut Division, Ganges Canal, joined 12th February, 1875; passed lower standard examination in Hindustani, 6th September, 1875; passed departmental examination in Hindustani, 24th November, 1875; passed higher standard in Canal Law, 5th April, 1876; temporarily promoted to Executive Engineer, 4th grade, 29th July, 1876; invested with the powers of Magistrate, 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII) of 1873, 5th August, 1876; relieved 7th August, 1876; on transfer to 2nd Division, Agra Canal, joined 9th August, 1876; promoted permanently to Executive Engineer, 4th grade, 20th October, 1877; on return from furlough posted to the Superintending Engineer's Office, 2nd Circle, Irrigation Works, and joined 9th December, 1878, and employed on special duty on Bijoor Irrigation Works; transferred to and joined Northern Division, 6th May, 1879; relieved 20th September, 1879; on transfer to Rohilkhand Canals, joined 24th September, 1879; promoted temporarily to Executive Engineer, 2nd grade, 1st October, 1881; promoted permanently to Executive Engineer, 2nd grade, 1st May, 1883.

LEAVE ENJOYED.—Privilege leave for one month from 1st June to 2nd July, 1870, overstayd one day; special leave to study native language from 12th July to 11th October, 1875; privilege leave from 20th March to 19th June, 1876; furlough for 18 months, with usual subsidiary leave, from 5th May, 1877; embarked from Bombay, 2nd June, 1877; reported arrival at Bombay on return from furlough, 28th November, 1878; subsidiary leave from 28th November to 8th December, 1878.

THIRD GRADE.

G. C. F. BARNARDO, M.A., M.C.E.—(Born 4th November, 1839.)—Came out under covenant for five years and other stipulation, with Secretary of State for India as an Assistant Engineer, 2nd grade, 1st October, 1868; posted to Madras, 3rd December, 1868; relieved 17th June, 1869; on transfer to South Arcot, joined 1st July, 1869; relieved 1st April, 1870; on transfer to Mysore State Railway, passed colloquial test in Canarese, 9th December, 1871; transferred to Neemuch State Railway Survey and reported himself on 29th March, 1872; relieved 14th August, 1872 on transfer to North-Western Provinces Irrigation Branch, joined Kasganj Division, Lower Ganges Canal, 11th October, 1872; promoted to Assistant Engineer, 1st grade, 1st September, 1873; services retained after expiry of covenant; passed lower standard examination, 6th July, 1874; appointed officiating Executive Engineer of the Division, and assumed charge 9th July, 1875; passed departmental standard examination in Hindustani, 4th December, 1875; relieved 19th February, 1876; on transfer to Narora Division, Lower Ganges Canal, joined 21st February, 1876; promoted to temporary 4th grade Executive Engineer, 30th June, 1876; reverted to permanent 1st grade Assistant Engineer, 17th September, 1876; relieved 21st February, 1877; transferred to Superintending Engineer's Office, 4th Circle, Irrigation Works, on return from furlough, as Personal Assistant to Superintending Engineer, and joined 18th March, 1879; deputed on special duty to the Kasganj Division, which he joined 30th March, 1879; appointed to officiate as Executive Engineer of the Division, and assumed charge 1st December, 1879; promoted to

temporary 4th grade Executive Engineer, 1st January, 1880; made over charge, Kázanj Division, 2nd April, 1880; received charge, Distributaries Division, 12th April, 1880; appointed to officiate as Executive Engineer, Bhognipur Division, Lower Ganges Canal; received charge 23rd June, 1880; relieved of the charge of Bhognipur Division, 9th October, 1880; passed higher standard in Canal Law, December, 1880; transferred from Distributaries Division, Lower Ganges Canal and appointed to officiate as Executive Engineer, Cawnpore Division, Lower Ganges Canal, 1st April, 1881; received charge of the Division, 9th May, 1881; invested with the powers of Magistrate, 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII) of 1873, 1st June, 1881; made over charge, 25th July, 1881; relieved of his duties in the Cawnpore Division, 26th October, 1881, and appointed to the charge of 2nd Division, Betwa Canal; promoted to permanent 3rd grade Executive Engineer, 1st November, 1881; assumed charge of the 2nd Division, Betwa Canal, 4th November, 1881; appointed to the charge of 3rd Division, Betwa Canal, 1st November, 1882.

LEAVE ENJOYED.—Language leave for three months from 14th December, 1870 to 14th March, 1871; awaiting orders and the reopening of the railway survey on 20th March, 1871; privilege leave from 9th September to 11th October, 1872; and from 15th April to 8th July, 1874; furlough for one year with one year's extension from 21st February, 1877 to 18th March, 1879; including subsidiary leave, privilege leave from 26th April to 25th July, 1882.

CAPTAIN J. CLIBBORN, B.A., BENGAL STAFF CORPS.—(Born 8th December, 1847.)—Date of first Commission, 14th July, 1869; arrived in India, 14th February, 1870; joined 62nd Regiment (to which gazetted) at Lucknow, February, 1870; appointed Interpreter, July, 1871; promoted to Lieutenant, 28th October, 1871; admitted to Bengal Staff Corps, 20th March, 1872; promoted to Captain, 14th July, 1881.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Appointed Assistant Engineer, 2nd grade, Oudh Irrigation Works, 20th March, 1872; joined 25th March, 1872; posted to 3rd Division, Sardah Canal, 1st September, 1872; transferred to North-Western Provinces, Irrigation Works; reported departure, 15th February, 1873; joined Aligarh Division, Ganges Canal, 17th February, 1873; posted to and joined Northern Division, Ganges Canal, 6th August, 1873; promoted to Assistant Engineer, 1st grade, 9th December, 1874; promoted to temporary Executive Engineer, 4th grade, 9th May, 1877; appointed to officiate as Executive Engineer, Northern Division, Ganges Canal, from 12th June to 2nd August, 1877; passed higher standard in Canal Law, October, 1877; invested with the powers of Magistrate, 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII) of 1873, 8th January, 1878; relieved of his duties, 13th February, 1878; on transfer to Narora Division, joined 14th February, 1878; on return from furlough posted to Northern Division, Ganges Canal, joined 24th June, 1879; as Executive Engineer, 4th grade, temporary rank; relieved of his duties, 4th August, 1879; on transfer to Mainpuri Division, joined 11th August, 1879; relieved of his duties, 19th November, 1880; on transfer to the 1st Division, Sardah Canal Survey, joined 22nd November, 1880; relieved of his duties, 30th September, 1881; on transfer to the Agriculture and Commerce Department, joined 1st October, 1881; promoted to Executive Engineer, 4th grade, 1st November, 1881; and to 3rd grade, 5th December, 1881; retransferred to Public Works Department, 26th August, 1882; employed on special duty in the office of Chief Engineer, Public Works Department, North-Western Provinces and Oudh, 1st to 20th October, 1882; posted to and joined Special Survey Division, Lower Ganges Canal, 23rd October, 1882.

LEAVE ENJOYED.—Privilege leave for three months from 30th April to 30th July, 1875; furlough on private affairs for one year, with subsidiary leave for 21 days, from 17th May, 1878; embarked from Bombay, 20th May, 1878; one month's extension of furlough granted; reported arrival at Bombay, 16th June, 1879; subsidiary leave from 16th to 23rd June, 1879; privilege leave from 26th August to 30th September, 1882.

C. T. EVANS.—(Born 22nd September, 1845.)—Appointed an Assistant in the Pay and Audit Office (Examiner of Military Accounts), Calcutta, on Rs. 50 per mensem, August, 1863; and served continuously until October, 1864, having been promoted by that time to Rs. 140; appointed Sub-Assistant Surveyor, Rewah Topographical Survey, and served till October, 1867; when leave without pay was granted by Colonel Thailber at Mussoorie to enter Roorkee College; while at Roorkee still belonged to Survey Department as on leave without pay; finished course and appointed to Public Works Department, by the Government of India as an Apprentice Engineer, and posted to North-Western Provinces; posted to and joined Eastern Jumna Canal, 25th September, 1869, and promoted to Assistant Engineer, 3rd grade, from the same date; passed departmental examination, and promoted to Assistant Engineer, 2nd grade, 25th September, 1870; passed colloquial examination in Hindustani, 9th February, 1871; posted to and joined 1st

Division, Agra Canal, 7th August, 1871; relieved 28th August, 1871; on transfer to Eastern Jumna Canal, joined 30th August, 1871; promoted to Assistant Engineer, 1st grade, 1st September, 1872; posted to and joined 2nd Division, Agra Canal, 10th October, 1873; passed lower standard examination in Hindustani, 3rd August, 1874; appointed officiating Executive Engineer of the Division, 15th September, 1875; promoted to temporary 4th grade Executive Engineer, 23rd September, 1875; relieved of the charge of the Division, 23rd October, 1875; passed departmental standard examination, 24th November, 1875; reverted to permanent 1st grade Assistant Engineer, 18th December, 1875; appointed officiating Executive Engineer of the Division from 29th December, 1875 to 25th January, 1876; promoted to temporary 4th grade Executive Engineer, 20th March, 1876, and to permanent 4th grade, 10th June, 1876; passed higher standard in Canal Law, April, 1876; invested with the powers of Magistrate, 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII) of 1873, 5th August, 1876; relieved 17th November, 1876; on transfer from 2nd Division, Agra Canal to Bundelkhand, Irrigation Works, joined 20th November, 1876; transferred to and received charge of Eastern Jumna Canal, 8th June, 1877; relieved of the charge of the Division, 8th August, 1877; promoted to temporary 3rd grade Executive Engineer, 18th August, 1877; received charge of the Division, 20th August, 1877; relieved of the charge of the Division, 23rd November, 1877; transferred, to and received charge of, the Dún Canal, 5th January, 1878; reverted to permanent 4th grade Executive Engineer, 8th March, 1878; promoted to temporary 3rd grade, 25th March 1878; reverted to permanent 4th grade, 10th April, 1878; promoted to temporary 3rd grade, 20th May, 1878; reverted to permanent 4th grade, 15th November, 1878; promoted to permanent 3rd grade Executive Engineer, 1st June, 1880; on return from furlough posted to and joined Mainpuri Division, Lower Ganges Canal, 3rd May, 1881; relieved of the charge 25th January, 1883, for special work in Meywar State, but deputation postponed; employed on special duty in this Division, 25th January to 8th March, 1883; transferred to and received charge of 2nd Division, Betwa Canal, 13th March, 1883.

LEAVE ENJOYED.—Privilege leave from 3rd July to 2nd October, 1873; from 10th August to 9th September, 1876; and from 6th December, 1877 to 5th January, 1878; furlough for 18 months, with 20 days' subsidiary leave, from 5th April, 1879; embarked at Bombay, 21st April, 1879; granted six months' extension of furlough; reported return 16th April, 1881, and was allowed subsidiary leave to 3rd May, 1881.

W. E. GARSTIN.—(Born 29th January, 1849.)—Appointed by Government of India as an Assistant Engineer, 3rd grade, and posted to North-Western Provinces Irrigation Branch; posted to and joined Bhongaon Division, Lower Ganges Canal, 25th October, 1872; promoted to Assistant Engineer, 2nd grade 25th October, 1873; passed departmental examination, 30th August, 1873, and colloquial examination in Hindustani, 22nd May, 1874; relieved 14th November, 1874; on transfer to Bulandshahr Division, Ganges Canal, joined 16th November, 1874; relieved 15th April, 1875; on temporary transfer to Etawah, Division, Ganges Canal, joined 16th April, 1875; retransferred to and joined Bulandshahr Division, Ganges Canal, 9th August, 1875; relieved 8th February, 1876; on transfer to Etawah Division, Ganges Canal, joined 9th February, 1876; temporarily promoted to Assistant Engineer, 1st grade, 25th February, 1876; permanently promoted to Assistant Engineer, 1st grade, 10th June, 1876; passed lower standard examination in Hindustani, 6th November, 1876; appointed to officiate as Executive Engineer from 19th June to 2nd August, 1877; passed departmental standard examination, 28th January, 1878; promoted temporarily to Executive Engineer, 4th grade, 21st April, 1879; relieved 24th April, 1879; on transfer to Bulandshahr Division, Ganges Canal, joined 25th April, 1879; reverted to 1st grade Assistant Engineer, 21st June, 1879; temporarily promoted to Executive Engineer, 4th grade, 1st January, 1880; passed higher standard in Canal Law, January, 1880; relieved 9th February, 1880; on transfer as Executive Engineer of the Dún Canals, joined 11th February, 1880; invested with the powers of Magistrate, 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII) of 1873, 13th February, 1880; appointed to the charge of Dún Provincial Division in addition to his own duties, 30th August, 1880; relieved of the charge of the Dún Canal Division, 20th October, 1880, and temporarily posted to Superintending Engineer's office, 1st Circle, on special duty, joined 25th October, 1880; relieved 21st November, 1880; on transfer to 2nd Division, Sárdah Canal Survey, joined 22nd November, 1880; promoted permanent Executive Engineer, 4th grade, 1st November, 1881; promoted to Executive Engineer, 3rd grade, *sub. pro tem.*, 5th December, 1881; transferred to and joined Cawnpore Division, Lower Ganges Canal, 24th October, 1881; appointed temporarily to the charge of the Division from 15th March to 26th May, 1882; reverted to 4th grade Executive Engineer, 26th August, 1882; promoted to Executive Engineer, 3rd grade, *sub. pro tem.*, 3rd September, 1882; relieved 2nd November, 1882; on transfer to 2nd Division, Betwa Canal, joined 5th November, 1882; permanently promoted to Executive Engineer, 3rd grade, 23rd January, 1883.

LEAVE ENJOYED.—Privilege leave from 31st August to 5th October, 1874; special leave to study native languages from 21st July to 20th October, 1876; privilege leave from 6th August to 5th November, 1878, and from 25th July to 24th October, 1882; furlough to Europe for 10 months with usual subsidiary leave from 15th March, 1883; embarked from Bombay, 1st April, 1883.

W. GOOD.—(Born 9th March, 1847.)—Came out under covenant with the Secretary of State for India, dated July, 1869, and appointed as Assistant Engineer, 3rd grade; landed in Bombay on 1st October, 1869; posted to North-Western Provinces and reported arrival at Allahabad, 22nd November, 1869; posted to and joined Lower Ganges Canal Division, 25th November, 1869; promoted to Assistant Engineer, 2nd grade, 1st October, 1870; transferred to and joined Etawah Division, Ganges Canal, 22nd June, 1871; passed lower standard examination, 4th September, 1871; relieved 18th February, 1873; on transfer to Bhongaon Division, Lower Ganges Canal, joined 25th February, 1873; promoted to Assistant Engineer, 1st grade, 1st September, 1873; passed departmental standard examination, 15th September, 1874; officiated as Executive Engineer of the Division from 9th September to 8th October, 1876; appointed to officiate as Executive Engineer, and received charge of the Division 23rd February, 1877; promoted to Executive Engineer, 4th grade, temporary rank, 12th March, 1877; reverted to Assistant Engineer, 1st grade, 14th March, 1877; promoted to Executive Engineer, 4th grade, temporary rank, 21st March, 1877; relieved of the charge of the Division, 19th October, 1877; transferred to and joined Bhognipur Division, Lower Ganges Canal, 21st October, 1877; relieved 30th April, 1878; on transfer to Aligarh Division, Ganges Canal, joined on 1st May, 1878; transferred to and joined Mat Branch, Ganges Canal, 6th August, 1878; transferred to and joined Bhongaon Division, Lower Ganges Canal, 6th December, 1878; reverted to Assistant Engineer, 1st grade, 30th December, 1878; passed higher standard in Canal Law, January, 1880; promoted to Executive Engineer, 4th grade, permanent, 1st January, 1879; on return from furlough posted to and joined Eastern Jamna Canal, 3rd March, 1881; invested with the powers of Magistrate, 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII) of 1873, 20th September, 1881; promoted to Executive Engineer, 3rd grade, permanent, 1st November, 1881; relieved 30th November, 1881; on transfer to Narora Division, Lower Ganges Canal, joined 9th December, 1881.

LEAVE ENJOYED.—Privilege leave from 6th July to 2nd September, 1872; from 29th June to 28th September, 1875; and from 5th October to 3rd December, 1878; furlough on private affairs for 20 months, with subsidiary leave, from 18th March, 1879; embarked 1st April, 1879; granted three months' extension; reported return 19th February, 1881; subsidiary leave to 2nd March, 1881.

W. WARD-SMITH.—(Born 17th March, 1850.)—Passed student of the Thomason College, Roorkee, appointed by Government of India as an Apprentice Engineer, and posted to the Narora Division, Lower Ganges Canal, 3rd December, 1872; promoted to Assistant Engineer, 3rd grade, 1st March, 1873; passed departmental examination, 30th August, 1878; promoted to Assistant Engineer, 2nd grade, 1st March, 1874; passed colloquial examination in native language, March, 1875; promoted to temporary 1st grade Assistant Engineer, 24th May, 1876; promoted to permanent 1st grade Assistant Engineer, 9th May, 1877; transferred to and joined Bhongaon Division, Lower Ganges Canal, 29th May, 1877, and Kāsanj Division, Lower Ganges Canal, 14th August, 1877; posted to Narora Division, 6th November, 1877; relieved 18th January, 1878; on transfer to Northern Division, joined 21st January, 1878; passed lower standard examination in Hindustani, 6th October, 1879; promoted to temporary 4th grade Executive Engineer, 1st January, 1880; received charge of the Northern Division, 9th February, 1880; and made over charge of the same, 14th February, 1880; passed departmental examination in Hindustani, 1st April, 1880; held charge of the Northern Division from 3rd July to 3rd September, 1880; passed higher standard examination in Canal Law, December, 1880; invested with the powers of Magistrate, 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII) of 1873, 17th February, 1881; reverted to Assistant Engineer, 1st grade, 3rd March, 1881; promoted to temporary Executive Engineer, 4th grade, 22nd March, 1881; appointed to hold charge of the Division, 10th May to 9th June, 1881; appointed as Executive Engineer of the Division from 23rd October, 1881; promoted to Executive Engineer, 4th grade, *sub. pro tem.*, from 1st November, 1881; and to permanent 4th grade, 5th December, 1881; promoted to Executive Engineer, 3rd grade, *sub. pro tem.*, 23rd January, 1883; promoted to permanent Executive Engineer, 3rd grade, June, 1883.

LEAVE ENJOYED.—Privilege leave from 23rd September to 8th October, 1874; from 1st September to 14th October, 1875; and from 1st September to 10th October, 1876; special leave for three months granted to study native languages from 15th July, 1877; having been recalled to duty, resumed work, 11th August, 1877; unexpired portion cancelled; privilege leave from 27th June to 26th July, 1879; and from 15th June to 18th July, 1881.

J. H. THORNHILL.—(Born 19th October, 1849.)—Came out covenanted with Secretary of State for India, dated July, 1869; appointed Assistant Engineer, 3rd grade, and posted to North-Western Provinces; reported arrival at Allahabad 20th October, 1869; joined Cawnpore Division, Ganges Canal, 26th October, 1869; relieved 17th January, 1870; on transfer to Aligarh Division, Ganges Canal, joined 18th February, 1870; passed departmental examination and promoted to Assistant Engineer, 2nd grade, 9th December, 1870; relieved 11th December, 1871; on transfer to Fatehpur Branch, Ganges Canal, joined 12th December, 1871; officiated as Executive Engineer from 21st July to 31st October, 1873; promoted to Assistant Engineer, 1st grade, 1st September, 1873; relieved 14th May, 1875; on temporary transfer to Northern Division, Ganges Canal, joined 15th May, 1875; posted to and joined Anupshahr Branch, Ganges Canal, 21st October, 1875; relieved 23rd October, 1875; on transfer to Etāwah Division, Ganges Canal, joined 24th October, 1875; relieved 29th January, 1876; on transfer to Narora Division, Lower Ganges Canal, joined 1st February, 1876; relieved 20th June, 1876; on transfer to Bulandshahr Division, Ganges Canal, Kāli Nadi Special Works, joined 21st June, 1876; officiated as Executive Engineer from 25th September to 24th November, 1876; relieved 7th December, 1876; on transfer to Bhogona Division, Lower Ganges Canal, joined 11th December, 1876; appointed Executive Engineer, 4th grade, temporary rank, 21st March, 1877; relieved 24th May, 1877; on transfer to Anupshahr Branch, Ganges Canal, joined 25th May, 1877; passed higher standard in Canal Law, October, 1877; invested with the powers of Magistrate, 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII) of 1883; 8th January, 1878; reverted to Assistant Engineer, 1st grade, 29th December, 1878; made over charge of Division, 3rd March, 1879; promoted to Executive Engineer, 4th grade, 9th September, 1879; posted to, and joined the office of, Superintending Engineer, Lower Circle, on special duty, 25th February, 1881; assumed charge of Distributaries Division, Lower Ganges Canal, 19th March, 1881; appointed temporarily, in addition to his other duties, to the charge of Narora Division, Lower Ganges Canal, joined 30th September, 1881; promoted to Executive Engineer, 3rd grade, 1st November, 1881; transferred to the charge of Survey Division, Betwa Canal, 19th November, 1881; transferred to and received charge of 2nd Division, Betwa Canal, 25th April, 1882; relieved 26th July, 1882; on transfer to Etāwah Division, Lower Ganges Canal, joined 1st August, 1882; relieved 1st November, 1882; on transfer to Bhognipur Division, Lower Ganges Canal, where he joined on 3rd November, 1882.

LEAVE ENJOYED.—Privilege leave for three months from 5th August, 1875; returned 21st October, 1875, unexpired portion cancelled; furlough to Europe for 18 months with 15 days' subsidiary leave from 18th March, 1879; embarked 1st April, 1879; five months' extension of furlough granted by Secretary of State; returned from furlough 19th February, 1881; subsidiary leave from 19th to 25th February, 1881.

W. WILLCOCKS.—(Born 27th September, 1852.)—Passed student, Thomason College, Roorkee; appointed Assistant Engineer, 3rd grade, posted to and joined Bhogona Division, Lower Ganges Canal, 16th October, 1872; relieved 8th February, 1873; on transfer to Etāwah Division, Ganges Canal, joined 9th February, 1873; passed departmental examination, 30th August, 1873; promoted to Assistant Engineer, 2nd grade, 16th October, 1873; passed lower standard examination in Hindustani, 6th April, 1874; appointed officiating Executive Engineer from 10th October to 13th November, 1874; transferred to 1st Circle, Superintending Engineer's Office, Irrigation Works, as Personal Assistant to Superintending Engineer, and joined 1st June, 1875; promoted to temporary 1st grade, 23rd September, 1875; reverted to 2nd grade, 18th December, 1875; promoted to temporary 1st grade Assistant Engineer, 24th January, 1876; to permanent 1st grade, 24th May, 1876; passed departmental test, 7th June, 1876; transferred to and joined Meerut Division, Ganges Canal, 9th November, 1876; passed higher standard in Canal Law, October, 1877; invested with the powers of Magistrate, 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII) of 1873, 8th January, 1878; promoted to temporary 4th grade Executive Engineer, 28th January, 1878; reverted to Assistant Engineer, 1st grade, 5th March, 1878; promoted to temporary 4th grade Executive Engineer, 20th May, 1878; reverted to Assistant Engineer, 1st grade, 11th November, 1878; promoted to temporary Executive Engineer, 4th grade, 9th September, 1879; appointed officiating Executive Engineer of the Division, 5th October, 1879; promoted to temporary 4th grade Executive Engineer, 1st January, 1880; relieved 16th October, 1880; on transfer to the charge of Naini Tal Drainage and Protective Works, joined 20th October, 1880; relieved 1st November, 1881; on transfer to Weir Division, Betwa Canal, promoted to Executive Engineer, 3rd grade, *sub. pro tem.*, 1st November, 1881; joined Weir Division, Betwa Canal, 4th November, 1881; promoted to permanent Executive Engineer, 3rd grade, 3rd September, 1882.

LEAVE ENJOYED.—Privilege leave from 1st April to 31st May, 1875; from 1st to 13th May, 1876; from 6th to 25th April, 1877; and from 15th September to 31st October, 1878.

FOURTH GRADE.

E. W. S. DOUGLAS.—(Born 15th May, 1849.)—Passed student, Thomason College, Roorkee; appointed by Government of India as an Apprentice Engineer, and posted to the Indus Valley State Railway, Multán district, reported arrival at Lahore 4th November, 1871; posted to and joined Sháhjahabad Division, 6th November, 1871; transferred to and joined Sukkur Division, 11th December, 1871; passed lower standard examination in Hindustani, 16th August, 1872; promoted to Assistant Engineer, 3rd grade, 1st September, 1872; transferred to Kotri Division, 13th November, 1872; relieved 5th November, 1873; on transfer to North-Western Provinces and Oudh, Irrigation Branch, posted to and joined Etáwah Division, Ganges Canal, 20th November, 1873; passed departmental examination, 10th August, 1874; and promoted to Assistant Engineer, 2nd grade, the same day; relieved 3rd December, 1875; on transfer to Kásganj Division, Lower Ganges Canal, joined 7th December, 1875; transferred to Bhognipur Division, 1st October, 1877; promoted to Assistant Engineer, 1st grade, 1st June, 1880; on return from leave posted to and joined Mainpuri Division, 27th November, 1880; promoted to temporary 4th grade Executive Engineer, 1st October, 1881; passed departmental standard examination in Hindustani, 26th November, 1881; passed higher standard in Canal Law, January, 1882; promoted to Executive Engineer, 4th grade, *sub. pro tem.*, 18th February, 1882; invested with the powers of Magistrate, 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII) of 1873, 20th February, 1882; relieved 18th April, 1882; on temporary transfer to the charge of Dún Canal, joined 24th April, 1882; relieved 29th July, 1882; on transfer to Anupshahr Branch, Ganges Canal, joined 4th August, 1882; appointed officiating Executive Engineer of the Division, 5th August, 1882; reverted to Executive Engineer, 4th grade, temporary rank, 26th August, 1882; relieved 3rd November, 1882, and transferred to Dún Canal; received charge of the Division, 13th November, 1882; promoted to Executive Engineer, 4th grade, *sub. pro tem.*, 23rd January, 1883; and to permanent Executive Engineer, 4th grade, 1st May, 1883; promoted to Executive Engineer, 3rd grade, *sub. pro tem.*, 23rd November, 1883.

LEAVE ENJOYED.—Privilege leave for two months, with 15 days' departmental leave, from 1st September to 4th November, 1873; privilege leave from 16th November to 15th December, 1874; leave on medical certificate from 3rd June to 28th July, 1875; privilege leave from 19th September to 19th October, 1876; from 19th September to 1st November, 1878; and from 5th June to 15th July, 1879; sick leave from 15th January to 5th February, 1880; leave on medical certificate for eight months, with 11 days' subsidiary leave, from 6th April, 1880; embarked from Bombay 17th April, 1880; reported arrival at Bombay on return on 21st November, 1880; and resumed duty, 27th November, 1880.

W. P. VONDER HORST. (Born 20th January, 1853.)—Passed student, Thomason College, Roorkee, appointed by Government of India as an Apprentice Engineer, and posted to and joined Kásganj Division, Lower Ganges Canal, 17th October, 1872; promoted to Assistant Engineer, 3rd grade, 1st March, 1873; passed departmental examination, 30th August, 1873; passed lower standard examination in Hindustani, 1st December, 1873; promoted to Assistant Engineer, 2nd grade, 1st March, 1874; promoted to temporary 1st grade Assistant Engineer, 24th April, 1876; and to permanent 1st grade, 30th November, 1876; relieved on transfer to Bhogaon Division, 1st August, 1877; joined 2nd August, 1877; passed departmental examination in Hindustani, 28th January, 1878; relieved 3rd March, 1880; on transfer to Cawnpore Division, Ganges Canal, joined afternoon of the same date; promoted to temporary 4th grade Executive Engineer, 1st January, 1880; relieved 16th September, 1880; on transfer to Aligarh Division, Ganges Canal, as officiating Executive Engineer, joined 18th September, 1880; passed higher standard in Canal Law, 5th November, 1880; relieved 10th December, 1880; on transfer to Mainpuri Division, Ganges Canal, as officiating Executive Engineer, joined 12th December, 1880; invested with the powers of Magistrate, 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII) of 1873, 17th February, 1881; relieved on 11th May, 1881, and went on privilege leave; joined Secretariat, Public Works Department, North-Western Provinces, 1st August, 1881, as officiating Assistant Secretary; promoted to Executive Engineer, 4th grade, *sub. pro tem.*, 1st November, 1881; relieved 2nd November, 1881; on transfer to special Survey Division, Lower Ganges Canal, joined 7th November, 1881; held charge of the Narora Division, Lower Ganges Canal, in addition to his other duties from 20th November to 9th December, 1881; attached to Aligarh Division on special duty from 9th to 17th April, 1882; assumed charge of the Division, 17th April, 1882; transferred to Secretariat, as officiating Assistant Secretary, 17th November, 1882; promoted to permanent Executive Engineer, 4th grade, 23rd January, 1883; promoted to Executive Engineer, 3rd grade, *sub. pro tem.*, 18th November, 1883.

LEAVE ENJOYED.—Privilege leave from 13th September to 27th October, 1875; privilege leave for three months from 5th June, 1877; returned 31st July, 1877; unexpired portion cancelled; privilege leave from 4th July to 3rd September, 1878; privilege leave for 90 days from 11th May, 1881; returned 31st July, 1881, afternoon, balance of leave cancelled.

W. J. WILSON, A.M.I.C.E.—(Born 19th March, 1851.)—Passed student, Coopers Hill Civil Engineering College; appointed by the Secretary of State for India as Assistant Engineer, 2nd grade, and posted to the North-Western Provinces Public Works Department, Irrigation Branch; reported arrival at Bombay on 4th December, 1874; posted to and joined Northern Division, Ganges Canal, 14th December, 1874; transferred to and joined Anupshahr Branch, Ganges Canal, 21st December, 1875; promoted temporarily to Assistant Engineer, 1st grade, 29th July, 1876; passed colloquial examination in Hindustani on 15th August, 1876; reverted to 2nd grade, 31st October, 1876; passed the examination prescribed in Public Works Department, Code, chapter II, section 4, paragraphs 18 and 19, on 1st March, 1877; promoted temporarily to Assistant Engineer, 1st grade, 9th May, 1877; officiated as Executive Engineer of the Division from 21st to 25th May, 1877; reverted to Assistant Engineer, 2nd grade, 30th December, 1878; promoted temporarily to Assistant Engineer, 1st grade, 1st April, 1879, and reverted to 2nd grade, 26th July, 1879; services temporarily placed at the disposal of the Department of Agriculture and Commerce, North-Western Provinces and Oudh, from 26th July, 1879; promoted to Assistant Engineer, 1st grade, permanent, 1st June, 1880; passed departmental standard examination in Hindustani, 23rd September, 1882, and higher standard in Canal Law in January, 1883; promoted to Executive Engineer, 4th grade, permanent, 1st May, 1883.

LEAVE ENJOYED.—Privilege leave from 18th October to 20th November, 1878; from 17th September to 16th December, 1880; and from 16th October to 15th November, 1882.

ASSISTANT ENGINEERS.

FIRST GRADE.

R. P. ATKINSON, A.M.I.C.E.—(Born 30th June, 1855.)—Passed student, Royal Indian Engineering College; appointed by Secretary of State for India as an Assistant Engineer, 2nd grade, from 1st October, 1876; arrived at Bombay, 23rd November, 1876; joined Anupshahr Branch, Ganges Canal, 13th December, 1876; transferred to Madras Famine Relief Works, 6th August, 1877; reported arrival at Madras, 14th August, 1877; posted to and assumed charge of Krishna district, 29th August, 1877; relieved 24th January, 1878; on transfer to Ganjam district, joined 7th February, 1878; services replaced at disposal of Government of India; relieved 12th December, 1878; posted to Eastern Jumna Canal on return from Madras, joined 3rd January, 1879; passed departmental examination, 8th April, 1879; relieved 9th December, 1879; on transfer to Aligarh Division, joined 15th December, 1879; transferred to Narora Division, Lower Ganges Canal, and joined 11th May, 1880; passed colloquial examination in Hindustani, 10th August, 1880; promoted to Assistant Engineer, 1st grade, 9th April, 1881; passed lower standard examination in Hindustani, 5th June, 1882; passed department standard examination, 12th June, 1882; promoted to Executive Engineer, 4th grade, temporary rank, 12th June, 1882; reverted to Assistant Engineer, 1st grade, 3rd September, 1882; promoted to Executive Engineer, 4th grade, temporary rank, 14th February, 1883; reverted to Assistant Engineer, 1st grade, 19th February, 1883; again promoted to Executive Engineer, 4th grade, temporary rank, 15th March, 1883.

LEAVE ENJOYED.—Privilege leave from 8th September to 20th October, 1879; privilege leave for two months from 1st September to 1st November, 1881; privilege leave for two months and 18 days from 2nd May, 1883.

H. G. BOYCE.—(Born 9th October, 1856.)—Passed student, Royal Indian Engineering College, first of his batch and a fellow of Coopers Hill; appointed permanently Assistant Engineer, 2nd grade, by Her Majesty's Secretary of State for India from 1st October, 1877, and posted to North-Western Provinces Irrigation Branch; reported arrival at Bombay 27th October, 1878; posted to Meerut Division, Ganges Canal, and joined 7th November, 1878; passed lower standard examination in Hindustani on 2nd June, 1879; relieved 14th September, 1880; on transfer to Anupshahr Branch, Ganges Canal, joined 24th September, 1880; passed the examination for Assistant Engineer, prescribed in Public Works Code, chapter II, section 1, paragraph 21, 13th April, 1881; relieved 14th July, 1881; on return from special leave, was attached to Anupshahr Branch, Ganges Canal, on special duty, 26th October, 1881; promoted to Assistant Engineer, 1st grade, 1st November, 1881; relieved 11th November, 1881; on transfer to Weir Division, Betwa Canal, joined 17th November, 1881; was made an associate member of Insti-

tution of Civil Engineers, 4th April, 1882; passed higher standard examination in Canal Law, 9th October, 1882; passed departmental standard examination in Hindustani, 26th October, 1882.

LEAVE ENJOYED.—Privilege leave from 15th June to 30th July, 1880; special leave for three months, with usual subsidiary leave, from 14th July to 28th October, 1881.

A. E. CARSWELL.—(Born 20th July, 1850.)—Passed student, Royal Indian Engineering College, appointed by the Secretary of State for India as an Assistant Engineer, 2nd grade; arrived at Bombay, 26th November, 1874; posted to Eastern Jumna Canal, and joined 3rd December, 1874; passed lower standard examination in Hindustani, 6th November, 1876; passed departmental examination 12th March, 1877; passed higher standard examination in Canal Law, April 1877; invested with the powers of Magistrate, 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII) of 1873, 21st August, 1877; relieved 11th August, 1879; on transfer to Cawnpore Division, Ganges Canal, joined 12th August, 1879; promoted to Assistant Engineer, 1st grade, 1st June, 1880; relieved 1st December, 1880; on transfer to Bhognipur Division, joined 2nd December, 1880; promoted to temporary Executive Engineer, 4th grade, 1st November, 1881; passed departmental standard examination in Hindustani, 2nd December, 1881; received charge of the Division, 24th April, 1882; relieved on 16th January, 1883; on transfer to Mainpuri Division, Lower Ganges Canal, received charge on 26th January, 1883.

LEAVE ENJOYED.—Special leave to study the native languages from 21st July to 20th October, 1876; privilege leave from 20th September to 19th October, 1878; from 8th June to 7th August, 1879; and from 20th May to 5th August, 1881; furlough to Europe for 18 months, with usual subsidiary leave, from 21st March, 1883; embarked from Bombay, 1st April, 1883.

G. E. COLES.—(Born 11th February, 1851.)—Passed student, Royal Indian Engineering College; appointed by Secretary of State for India as an Assistant Engineer, 2nd grade; arrived at Bombay, 13th November, 1874, and posted to the Bhognipur Division, Lower Ganges Canal; joined 23rd November, 1874; transferred to and joined Narora Division, 1st April, 1875; passed the departmental and colloquial examinations, 3rd March, 1877; relieved 1st May, 1878; on transfer to Bhognipur Division, joined 2nd May, 1878; temporarily promoted to Assistant Engineer, 1st grade, 17th May, 1879; reverted to permanent 2nd grade, 24th June, 1879; promoted to temporary 1st grade, 26th July, 1879; officiated Executive Engineer, Kāsganj Division, from 18th November to 1st December, 1879; rejoined Bhognipur Division, 6th December, 1879; promoted to permanent Assistant Engineer, 1st grade, 1st June, 1880; transferred to and joined Etawah Division, 22nd July, 1880; passed by higher standard in Canal Law, December, 1880; relieved 6th April, 1881, on transfer to Northern Division, Ganges Canal, joined 7th April, 1881; promoted to temporary 4th grade Executive Engineer, 1st November, 1881; reverted to permanent 1st grade Assistant Engineer, 6th January, 1882; relieved 15th January, 1882; on transfer to Agra Canal, joined 15th January, 1882; passed lower standard examination in Hindustani, 1st May, 1882; passed departmental examination and promoted to temporary 4th grade Executive Engineer, 28th August, 1882; transferred to and joined Northern Division, Ganges Canal, 19th December, 1882; invested with the powers of Magistrate, 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII) of 1873, 3rd April, 1883.

LEAVE ENJOYED.—Privilege leave from 1st September to 10th October, 1876; from 24th July to 23rd October, 1879; and from 4th September to 3rd November, 1881; furlough to Europe for 18 months, with usual subsidiary leave, from 18th March, 1883; embarked from Bombay, 1st April, 1883.

J. A. CONES.—(Born 23rd December, 1855.)—Passed student of the Royal Indian Engineering College; appointed by Her Majesty's Secretary of State for India as an Assistant Engineer, 2nd grade, and posted to North-Western Provinces and Oudh Irrigation Branch; posted to and joined Bulandshahr Division, Ganges Canal, 9th December, 1879; appointed officiating Executive Engineer of the Division from 24th September to 18th October, 1881; passed colloquial examination in Hindustani, 11th April, 1882 and the departmental examination the same day; promoted to Assistant Engineer, 1st grade, *sub. pro tem.*, 29th May, 1882; reverted to Assistant Engineer, 2nd grade, 26th August, 1882; appointed to officiate as Executive Engineer of the Division from 7th September to 15th October, 1882; passed lower standard examination in Hindustani, 2nd October, 1882 and higher standard examination in Canal Law on 10th October, 1882; relieved 14th April, 1883; on transfer to 2nd Division, Betwa Canal, joined 25th April, 1883; promoted to Assistant Engineer, 1st grade, June, 1883.

LEAVE ENJOYED.—Nil.

A. T. DODSWORTH.—(Born 23rd December 1853.)—Passed student, Thomason College, Roorkee; appointed by Government of India as an Apprentice Engineer and posted temporarily to 1st Division, Agra Canal, 10th October, 1874; relieved 15th December, 1874; on transfer to Rohilkhand Canals, joined 19th December, 1874; promoted to Assistant Engineer, 3rd grade, 1st March, 1875; appointed to officiate as Executive Engineer of the Division from 1st September to 29th October, 1875; and again from 8th to 18th July, 1876; passed departmental examination and promoted to Assistant Engineer, 2nd grade, 2nd April, 1877; relieved 21st December, 1877; on transfer to Anupshahr Branch, Ganges Canal, joined 24th December, 1877; relieved 20th May, 1879; on transfer to Cawnpore Division, Ganges Canal, joined 23rd May, 1879; relieved 17th October, 1879; on transfer to Aligarh Division, Ganges Canal, joined 22nd October, 1879; passed colloquial examination in Hindustani, 11th June, 1881; promoted to Assistant Engineer, 1st grade, 10th August, 1881; appointed to officiate as Executive Engineer of the Division from 17th November 1882 to 12th February, 1883; passed by higher standard in Canal Law, January, 1883; promoted to Executive Engineer, 4th grade, temporary rank, from 26th April, 1883.

LEAVE ENJOYED.—Privilege leave (afterwards commuted to sick leave) for two months and two months' extension of sick leave from 17th August to 15th December, 1876; privilege leave from 2nd to 22nd January, 1878; and from 12th July to 11th August, 1880; special leave from 9th August to 8th November, 1881.

A. C. EVANS, A.M.I.C.E.—(Born 24th October, 1852.)—Passed student, Thomason College, Roorkee; appointed by Government of India as an Apprentice Engineer, and posted to Aligarh Special Drainage Works, joined 20th January, 1876; promoted to Assistant Engineer, 3rd grade, 1st July, 1876; transferred to and joined Anupshahr Branch, Ganges Canal, 11th September, 1876; passed departmental examination 6th June, 1877; promoted to Assistant Engineer, 2nd grade, 1st July, 1877; passed colloquial examination in Hindustani, 26th November, 1877; relieved 18th August, 1878; on transfer to Bhongaon (now called Mainpuri) Division, joined 19th August, 1878; relieved 23rd January, 1879; on transfer to Anupshahr Branch, Ganges Canal, joined 27th January, 1879; transferred to and joined Eastern Jumna Canal, 22nd July, 1880; promoted to Assistant Engineer, 1st grade, *sub. pro tem.*, 1st October, 1881, and to permanent 1st grade, 1st November, 1881; relieved 13th March, 1882; on transfer to Northern Division, Ganges Canal, joined 15th March, 1882; passed lower standard examination in Hindustani, 4th September, 1882, and departmental standard examination, 11th October, 1882; and lower standard examination in Canal Law, 11th October, 1882; promoted to Executive Engineer, 4th grade, temporary rank, 21st March, 1883.

LEAVE ENJOYED.—Privilege leave from 2nd April to 1st May, 1878; privilege leave for three months from 7th May, 1880; but recalled to duty on 20th July, 1880; the unexpired portion of leave, *viz.*, 17 days, cancelled.

W. J. GREER.—(Born 13th June, 1853.)—Passed out of Roorkee with certificate of Sub-Engineer, August, 1872; and posted to office of Superintending Engineer, 2nd Circle, Irrigation Works, joined 2nd September, 1872; left on 31st October, 1873, to rejoin Roorkee College; passed student, Thomason College, Roorkee; appointed by Government of India as an Apprentice Engineer, and posted to the Eastern Jumna Canal, joined 6th October, 1875; relieved 5th January, 1876; on transfer to Superintending Engineer's office, 2nd Circle, joined as Personal Assistant, 6th January, 1876; promoted to Assistant Engineer, 3rd grade 27th April, 1876; transferred temporarily to Eastern Jumna Canal from 17th August to 1st October, 1876; passed departmental and colloquial examinations, 13th October, 1876; relieved 2nd February, 1877; on transfer to 2nd Division, Agra Canal, joined 3rd February, 1877; promoted to Assistant Engineer, 2nd grade, 28th April, 1877; passed by higher standard in Canal Law, January, 1880; passed departmental standard examination in Hindustani, 6th June, 1881; invested with the powers of Magistrate, 2nd class, in regard to the offences in section 70 of the Canal Act (VIII) of 1873, 3rd April, 1883; promoted to Assistant Engineer, 1st grade, 1st October, 1881; transferred to Northern Division, Ganges Canal, joined 5th January, 1882; promoted to temporary 4th grade Executive Engineer, 18th April, 1882; reverted to Assistant Engineer, 1st grade, 26th August, 1882; promoted to Executive Engineer, 4th grade, temporary rank, 18th March, 1883.

LEAVE ENJOYED.—Leave on medical certificate for three months from 10th February, 1876; returned to duty, 2nd May, 1876; privilege leave for one month from 4th October to 3rd November, 1878; special leave for three months to study native language, and one month's privilege leave in continuation from 17th July, 1879; returned to duty 4th October, 1879; unexpired portion for one month and 23 days cancelled; privilege leave for two months from 21st June to 20th August, 1880; privilege leave for 63 days from 26th May, 1882; recalled to duty 28th June, 1882;

availed himself of the untaken portion of leave on 22nd August, 1882, and returned to duty 21st September, 1882; leave on medical certificate to Europe for one year from 25th April, 1883.

- R. W. L. HAWKINS. A.M.I.C.E.—(Born 2nd October, 1852.)—Passed student, Thomason College, Roorkee, appointed by Government of India as an Apprentice Engineer and posted to North-Western Provinces; posted to and joined Aligarh Division, Ganges Canal, 3rd October, 1873; promoted to Assistant Engineer, 3rd grade, 1st March, 1874; passed departmental examination, February, 1875; passed colloquial examination in Hindustani and promoted to Assistant Engineer, 2nd grade, 1st March, 1875; transferred to Etawah Division, Ganges Canal, 25th July, 1876; joined 26th July 1876; relieved 6th November, 1876; on transfer to Aundshahr Branch Extension Survey, joined 7th November, 1876; relieved 4th June, 1877; on transfer to Deoband Branch, joined 8th June 1877; officiated as Executive Engineer of the Division from 23rd September to 27th October 1878; promoted to Assistant Engineer, 1st grade, 1st June, 1880; transferred to and joined Aligarh Division, 13th August 1880; appointed officiating Executive Engineer and received charge of Bulandshahr Division, Ganges Canal, 2nd September, 1880; relieved of the charge of the Division, 7th October, 1880 and was employed on special duty in the Division till 3rd November, 1880; rejoined Aligarh Division, Ganges Canal, 4th November, 1880; passed lower standard examination in Hindustani, 4th July 1881; promoted to temporary 4th grade Executive Engineer, 1st November, 1881; reverted to permanent 1st grade Assistant Engineer, 30th November, 1881; passed higher standard examination in Hindustani, 3rd January, 1882; relieved 12th February, 1882; on temporary transfer to Bijoor Canal, joined 14th February, 1882; promoted to temporary 4th grade Executive Engineer, 18th February, 1882; left Bijoor Canal, 27th March, 1882; on retransfer to Aligarh Division, Ganges Canal, joined 30th March, 1882.

LEAVE ENJOYED.—Privilege leave from 9th May to 8th June, 1876; special leave for three months to study native language from 2nd June 1879; privilege leave for three months in continuation; returned 2nd December, 1879; leave on medical certificate for 12 months, with usual subsidiary leave, from 15th May 1882; embarked at Bombay, 26th May, 1882; extension of leave on medical certificate for six months granted by the Secretary of State for India.

- C. HILL.—(Born 22nd February, 1857.)—Passed student, Royal Indian Engineering College; appointed by Her Majesty's Secretary of State for India as an Assistant Engineer, 2nd grade; posted to North-Western Provinces and Oudh; posted to and joined Narora Division, Lower Ganges Canal, 6th November 1878; relieved 5th February, 1879; on transfer to Kasganj Division, Lower Ganges Canal, joined 8th February, 1879; retransferred to Narora Division, Lower Ganges Canal, on its amalgamation with Kasganj Division, Lower Ganges Canal, 1st April, 1880; passed departmental examination 19th October, 1880, and colloquial examination in Hindustani, 1st March, 1881; promoted to Assistant Engineer, 1st grade 1st November, 1881; transferred to and joined Mainpuri Division, Lower Ganges Canal, 28th October, 1882.

LEAVE ENJOYED.—Privilege leave from 7th September to 16th October, 1882.

- J. H. A. IVENS.—(Born 21st January, 1855.)—Passed student of the Royal Indian Engineering College, Coopers Hill; appointed to the Public Works Department as an Assistant Engineer 2nd grade, under covenant with the Secretary of State from 1st October, 1877; arrived in India on 21st October 1878; posted to the Agra Provincial Division of the North-Western Provinces from 28th October, 1878; passed lower standard examination in Hindustani on 4th August, 1879; had charge of District Engineer's Office, Agra, 1st October, 1879; made over charge of the Etawah district, 12th January, 1880; received charge of Fatehgarh and Etah districts 14th January, 1880; passed departmental examination, 13th April, 1880; retransferred to Agra district, 9th February, 1881; promoted to permanent Assistant Engineer, 1st grade, 1st November, 1881; appointed to the Agra Provincial Division from 19th April, 1882; passed departmental standard examination on 21st July, 1882; appointed to officiate as Executive Engineer vice Captain York, on three months' privilege leave, from 3rd August, 1882.

LEAVE ENJOYED.—Special leave to study the native language from 24th May to 23rd August, 1879.

- JOGENDRA NATH MUKARJI.—(Born 16th July, 1846.)—Appointed by Government of India as an Apprentice Engineer, and posted to and joined Etawah Division, Ganges Canal, 14th November, 1868; promoted to Assistant Engineer 3rd grade, 1st March 1870; passed departmental examination, and promoted to Assistant Engineer, 2nd grade, 1st September, 1873; transferred to Bengal Famine Relief Works, 25th

November, 1873, and joined Saran district, 1st December, 1873; transferred to Purneah Special Division 26th September, 1874; retransferred from Bengal, 15th May, 1875, and posted to Etawah Division, Ganges Canal; arrived at Allahabad, 28th May, 1875; awaiting orders till 18th June, 1875; joined Etawah Division, 19th June, 1875; transferred to Meerut Division, Ganges Canal, 19th November, 1875; passed colloquial examination, 17th February, 1876; transferred to Anupshahr Division, Ganges Canal, 15th May, 1877; joined 21st May, 1877; promoted to permanent 1st grade Assistant Engineer, 1st June, 1880; passed lower standard and departmental examinations on 1st August and 7th October 1881, respectively; promoted to temporary 4th grade Executive Engineer, 1st November, 1881.

LEAVE ENJOYED.—Privilege leave from 2nd November to 1st December, 1869; sick leave for three months from 1st September, 1870; returned 28th November, 1870; privilege leave from 3rd November to 2nd December 1871; leave on medical certificate for four months from 12th July to 11th November, 1875; privilege leave from 29th November to 28th December, 1876; from 3rd June to 20th August, 1879; from 31st May to 20th June, 1880; and from 22nd June to 21st July, 1881; furlough in India for 15 months from 30th November, 1882.

N. F. MACKENZIE.—(Born 23rd February, 1857.)—Passed student of the Royal Indian Engineering College; appointed by Her Majesty's Secretary of State as an Assistant Engineer, 2nd grade; arrived at Bombay 31st October, 1879; posted to and joined Bhognipur Division, Lower Ganges Canal, 11th November, 1879; relieved 19th November, 1880; on transfer to Cawnpore Division Ganges Canal, joined 20th November, 1880; passed departmental examination, 12th April, 1881; passed higher standard in Canal Law, October, 1881; passed colloquial examination, 10th January, 1882; promoted to Assistant Engineer 1st grade, *sub. pro tem.* 5th December, 1881; reverted to Assistant Engineer, 2nd grade, 29th November, 1882; promoted to Assistant Engineer, 1st grade, *sub. pro tem.* 23rd January, 1883; and to permanent 1st grade, 1st May, 1883.

LEAVE ENJOYED.—Nil.

H. MARSH, A.M.I.C.E.—(Born 8th September, 1850.)—Passed student of the Royal Indian Engineering College; appointed by the Secretary of State for India as an Assistant Engineer, 2nd grade; arrived at Bombay 26th November, 1874; reported arrival at Allahabad, 9th December, 1874; posted to and joined 1st Division, Agra Canal, 14th December, 1874; passed lower standard examination in Hindustani, 3rd April, 1876; officiated as Executive Engineer of the Division from 4th to 12th May, 1876; passed departmental examination, 12th March, 1877; and higher standard in Canal Law, April, 1877; invested with the powers of Magistrate, 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII.) of 1873, 21st August, 1877; transferred to and joined Eastern Jumna Canal, 30th September, 1877; promoted to temporary 1st grade Assistant Engineer, 20th October, 1877; reverted to 2nd grade 24th November, 1877; promoted to temporary 1st grade, 28th January, 1878; reverted to 2nd grade, 5th March, 1878; promoted to temporary 1st grade, 20th May 1878; reverted to 2nd grade, 9th December, 1878; officiated as Executive Engineer from 25th November to 13th December, 1878; passed departmental standard examination in Hindustani, 1st April, 1879; on return from special leave, reposted to Eastern Jumna Canal, and joined on 28th October, 1879; promoted to permanent 1st grade Assistant Engineer 1st June, 1880; relieved 13th September, 1880; on transfer to Meerut Division, Ganges Canal, joined 14th September, 1880; promoted to temporary 4th grade Executive Engineer 17th January, 1881; reverted to Assistant Engineer, 1st grade, 25th February, 1881; promoted to temporary 4th grade Executive Engineer, 9th April, 1881; reverted to Assistant Engineer, 1st grade, 3rd May, 1881; officiated as Executive Engineer of the Division, 15th May to 7th July, 1881; promoted to temporary 4th grade Executive Engineer, 1st October, 1881; promoted to Executive Engineer, 4th grade, *sub. pro tem.*, 5th December, 1881.

LEAVE ENJOYED.—Special leave to study native languages from 20th August to 19th November, 1875; privilege leave from 4th July to 27th September, 1877; special leave for six months with 15 days' subsidiary leave, from 15th April, 1879; embarked 21st April, 1879; reported arrival at Bombay 15th October, 1879; subsidiary leave from 15th to 27th October, 1879; privilege leave from 26th July to 20th September, 1881; leave on medical certificate for nine months, with usual preparatory leave, from 18th February, 1882; embarked from Bombay on 2nd March, 1882; extension of leave for six months on medical certificate granted by Secretary of State; further extension for six months on medical certificate granted by Secretary of State.

HONORARY CAPTAIN G. W. M'ARTHUR.—(Born 31st March, 1837.)—Promoted from Sergeant, Her Majesty's 42nd Foot, to the rank of Sub-Conductor, 22nd Dec.

ember, 1868, and to that of Conductor 12th August, 1873; promoted to the rank of Deputy Assistant Commissary and Honorary Lieutenant, 2nd July, 1880; promoted to Assistant Commissary, 22nd April, 1882; promoted to Deputy Commissary and Honorary Captain, 16th September, 1882.

SERVICE IN THE PUBLIC WORKS DEPARTMENT.—Appointed probationary Assistant Overseer, and posted to Northern Division, Ganges Canal, 28th August, 1860; promoted to Assistant Overseer, 12th April, 1861; promoted to Overseer; 1st grade, and transferred to Aligarh Division, Ganges Canal, 9th March, 1864; promoted to Supervisor, 2nd grade, 1st October, 1867, and to Supervisor, 1st grade, 1st March, 1871; promoted to Sub-Engineer, 3rd grade, 1st September, 1872 and to Sub-Engineer, 2nd grade, 27th June, 1876; transferred to Northern Division, Ganges Canal, 14th June, 1876; promoted from Sub-Engineer, 2nd grade, to Assistant Engineer, 2nd grade, 2nd July, 1880; promoted to Sub-Engineer, 1st grade, 1st October, 1880 and from Sub-Engineer, 1st grade, to Assistant Engineer, 1st grade, from the same date; on return from furlough, posted to and joined Anupshahr Branch, Ganges Canal, 1st August, 1881; transferred to and joined Meerut Division, Ganges Canal, 12th January, 1882.

LEAVE ENJOYED.—Furlough on medical certificate out of India for 24 months, with subsidiary leave, from 22nd January to 13th February, 1880; returned 1st August, 1881.

F. N. McLEOD.—(Born 30th June, 1856.)—Passed student of the Royal Indian Engineering College; appointed by Her Majesty's Secretary of State for India as an Assistant Engineer, 2nd grade, for the North-Western Provinces Irrigation Works; arrived at Bombay, 30th November, 1879; posted to Meerut Division, Ganges Canal, and joined 7th December, 1879; relieved 5th September, 1880; on transfer to Cawnpore Division, Ganges Canal, joined 11th September, 1880; passed departmental examination, 12th April, 1881, and colloquial examination, 10th January, 1882; promoted to Assistant Engineer, 1st grade, *sub. pro tem.*, 1st November, 1881, and to permanent Assistant Engineer, 1st grade, 5th December, 1881; passed higher standard in Canal Law in October, 1881.

LEAVE ENJOYED.—Nil.

H. NELSON.—(Born 21st February, 1855.)—Passed student, Thomason College, Roorkee; appointed by Government of India as an Apprentice Engineer; posted to and joined Cawnpore Division, Ganges Canal 7th October, 1875; promoted to Assistant Engineer, 3rd grade, 1st July, 1876; passed departmental examination and promoted to Assistant Engineer, 2nd grade, 9th October, 1877; relieved 30th December, 1877; on transfer to Mainpuri Division, joined 31st December, 1877; passed colloquial examination in Hindustani, 29th January, 1878; passed higher standard in Canal Law, October, 1880; appointed officiating Executive Engineer, Mainpuri Division, Lower Ganges Canal, from 19th November to 12th December, 1880; promoted to Assistant Engineer, 1st grade, 1st November, 1881; transferred to and joined Narora Division, Lower Ganges Canal, 24th November, 1882; passed departmental standard examination in Hindustani as prescribed in Public Works Department Code, chapter II, section 1, paragraph 21, February, 1883; invested with the powers of Magistrate of the 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII) of 1873, 3rd April, 1883.

LEAVE ENJOYED.—Privilege leave for 23 days granted from 15th October, 1876; returned 3rd November, 1876; unexpired portion cancelled; privilege leave from 10th to 21st May, 1877; privilege leave from 12th May to 11th July, 1879; special leave to study the native language from 25th August to 24th November, 1882.

J. R. C. NICOLLS.—(Born 4th December 1856.)—Passed student, Royal Indian Engineering College; appointed by Her Majesty's Secretary of State as an Assistant Engineer, 2nd grade, 23rd September, 1878; arrived at Bombay 31st October, 1879; joined Agra Canal 15th November, 1879; relieved 17th March, 1881; on transfer to Etawah Division, Ganges Canal, joined 20th March, 1881; passed departmental examination, 12th April, 1881, and lower standard examination in Hindustani, 5th September, 1881; promoted to Assistant Engineer, 1st grade, *sub. pro tem.*, 1st November, 1881; passed higher standard in Canal Law, January, 1883; promoted to permanent Assistant Engineer, 1st grade, 23rd January, 1883; relieved 7th March, 1883; on transfer to Northern Division, Ganges Canal, joined 9th March, 1883.

LEAVE ENJOYED.—Nil.

C. A. PERRIN.—(Born 15th December, 1853.)—Passed student, Royal Indian Engineering College; appointed by Her Majesty's Secretary of State for India as an

Assistant Engineer, 2nd grade, arrived at Bombay, 26th November, 1874; posted to and joined Aligarh Division, Ganges Canal, 3rd December, 1874; passed colloquial examination, 14th February, 1876, and departmental examination, 1st March, 1877; relieved 28th April, 1877; on transfer to Agra Canal, joined 5th May, 1877; promoted to temporary 1st grade Assistant Engineer, 2nd June, 1877; reverted to permanent 2nd grade, 8th March, 1878; promoted to temporary 1st grade, 25th March, 1878; reverted to permanent 2nd grade, 10th April, 1878; promoted to temporary 1st grade Assistant Engineer, 20th May, 1878; reverted to permanent 2nd grade, 16th December, 1878; passed lower standard examination in Hindustani, 6th January, 1879; promoted to temporary 1st grade, 1st April, 1879; relieved 19th October, 1879; on transfer to Eastern Jumna Canal, joined 20th October, 1879; promoted to temporary 4th grade Executive Engineer, 13th April, 1880; reverted to temporary 1st grade Assistant Engineer, 17th May, 1880; promoted to permanent Assistant Engineer, 1st grade, 1st June, 1880; appointed officiating Executive Engineer from 18th September to 26th October, 1880; passed higher standard in Canal Law, December, 1880; on return from furlough posted to and joined Agra Canal Division on 21st November, 1882; passed departmental examination in Hindustani, as prescribed in Public Works Department Code, chapter II, section 1, paragraph 21, on 22nd December, 1882, and promoted to Executive Engineer, 4th grade, temporary rank, from the same date; invested with the powers of Magistrate, 2nd class, in regard to the offences described in Canal Act (VIII) of 1873, 3rd April, 1883.

LEAVE ENJOYED.—Privilege leave from 18th April to 11th May, 1878; special leave to study native language from 27th July to 26th October, 1878; privilege leave for three months from 24th January, 1879; returned 26th April, 1879, having overstayed one day; subsidiary leave from 6th December, 1880, to enable him to appear before a medical board; granted furlough on medical certificate for 24 months; embarked 19th December, 1880; returned 20th November, 1882.

J. H. WILLIAMS.—(Born 16th November, 1853.)—Passed student of the Thomason College, Roorkee; appointed by Government of India as an Apprentice Engineer and posted to Meerut Division, Ganges Canal; joined 6th November, 1874; passed colloquial examination in Hindustani and promoted to Assistant Engineer, 3rd grade, 1st March, 1875; posted to Aligarh Division, 28th November, 1876; passed departmental examination, and promoted to Assistant Engineer, 2nd grade, 1st March, 1877; promoted to 1st grade, 20th July 1880; officiated Executive Engineer, 4th grade, from 6th to 16th September, 1880; passed higher standard examination in Hindustani, 4th July, 1881; passed examination in Canal Law by the higher standard, 18th October, 1881; promoted to temporary 4th grade Executive Engineer, 19th February, 1882; invested with the powers of Magistrate, 2nd class, in regard to the offences described in section 70 of the Canal Act (VIII) of 1873, 20th February, 1882; reverted to permanent 1st grade Assistant Engineer, 28th February, 1882; relieved on 13th March, 1882; on transfer to Eastern Jumna Canal joined on afternoon of the same day; promoted to temporary 4th grade Executive Engineer, 14th March, 1882; reverted to 1st grade Assistant Engineer, 23rd October, 1882; again promoted to Executive Engineer, 4th grade, temporary rank, 17th November, 1882.

LEAVE ENJOYED.—Privilege leave for one month from 12th December, 1875 to 12th January, 1876; special leave to study native language from 20th January to 19th April, 1881; privilege leave from 19th December, 1882 to 8th January, 1883.

SECOND GRADE.

G. T. ANTHONY.—(Born 5th September, 1861.)—Passed student of the Thomason College, Roorkee; appointed by Government of India as an Apprentice Engineer and posted to North-Western Provinces Irrigation Branch; joined Eastern Jumna Canal, 8th June, 1882; promoted to Assistant Engineer, 3rd grade, 7th December, 1882; passed the departmental examination prescribed in Public Works Department Code, chapter II, section 1, paragraphs 16 to 18, on 10th April, 1883; promoted to Assistant Engineer, 2nd grade, December, 1883.

LEAVE ENJOYED.—Nil.

BIDHU BHUSHAN BISWAS.—(Born 27th April, 1849.)—Passed student of the Thomason College, Roorkee; appointed by Government of India as an Apprentice Engineer and posted to Rasulabad Division, Lower Ganges Canal; joined 14th October, 1873; transferred to Bengal, 17th November, 1873; posted to Sone Circle, Gandak Nadi embankments, Champaran district, and joined 10th December, 1873; transferred under Special Superintending Engineer, Bhagalpur Division, posted to and joined Purneah Special Division, 23rd December, 1874; relieved of his duties in Bengal, 18th May, 1875; reported his arrival at Allahabad, 22nd May, 1875, and

posted to the Deoband Branch Survey; joined 9th June, 1875; promoted Assistant Engineer, 3rd grade, 1st April, 1876; relieved 4th June, 1877; on transfer to Meerut Division, Ganges Canal, joined 5th June, 1877; relieved 9th August, 1877; on transfer to Anupshahar Branch, Ganges Canal, joined 10th August, 1877; relieved 14th August, 1878; on transfer to Anupshahar Branch extension, joined 20th August, 1878; transferred to and joined Rohilkhand Canals, 19th May, 1879; passed departmental examination, 14th October, 1879; promoted to Assistant Engineer, 2nd grade, 12th July, 1880; relieved 12th November, 1880; on transfer to Etawah Division, Ganges Canal, joined 15th November, 1880; passed examination prescribed in Public Works Code, chapter II, section 1, paragraph 20, on 10th January, 1882.

LEAVE ENJOYED.—Privilege leave from 26th July to 25th September, 1876; and from 9th August to 8th November, 1880.

A. M. FAGAN.—(Born 12th September, 1858.)—Passed student of the Royal Indian Engineering College; appointed by Secretary of State for India as an Assistant Engineer, 2nd grade, from 23rd September, 1879; arrived at Bombay, 21st October, 1880; posted to Superintending Engineer's Office, 1st Circle, 1st November, 1880; joined Meerut Division, Ganges Canal, 9th November, 1880; passed departmental examination on 11th October, 1881; relieved 29th November, 1881; on transfer to Weir Division Betwa Canal, joined 3rd December, 1881; passed lower standard examination in Hindustani, 6th March, 1882; transferred temporarily to 2nd Division, Betwa Canal, joined 3rd August, 1882; retransferred to Weir Division, joined 17th September, 1882; promoted to Assistant Engineer, 1st grade, *sub. pro tem.*, 18th November, 1883.

LEAVE ENJOYED.—Nil.

W. B. GORDON.—(Born 3rd June, 1859.)—Passed student, Royal Indian Engineering College, appointed by Her Majesty's Secretary of State for India as an Assistant Engineer, 2nd grade, and posted to North-Western Provinces and Oudh; posted to and joined Roorkee Workshops, 25th November, 1879; relieved 13th September, 1880; on transfer to Aligarh Division, Ganges Canal, joined the Division 14th September, 1880; relieved 12th November, 1880; on transfer to Bulandshahr Division, Ganges Canal, joined 13th November, 1880; relieved 5th March, 1881; on transfer to Narora Division, Lower Ganges Canal, joined 8th March, 1881; relieved 9th June, 1881; on transfer to Etawah Division, Ganges Canal, joined 10th June, 1881; passed lower standard examination in Hindustani, 5th September, 1881; passed departmental examination, 11th October, 1881; promoted to Assistant Engineer, 1st grade, *sub. pro tem.*, 23rd November, 1883.

LEAVE ENJOYED.—Privilege leave from 12th September to 11th October, 1882.

F. G. HEAVEN.—(Born 2nd December, 1857.)—Passed student of the Royal Indian Engineering College; appointed by Her Majesty's Secretary of State for India as an Assistant Engineer, 2nd grade, and posted to North-Western Provinces and Oudh; arrived at Bombay, 21st October, 1880; posted to and joined Cawnpore Division, Lower Ganges Canal, 1st November, 1880; relieved 2nd April, 1881; on transfer to Bhognipur Division, Lower Ganges Canal, joined 3rd April, 1881; passed colloquial examination, 10th January, 1882, and departmental examination, 11th April, 1882; passed higher standard examination in Canal Law, 10th October, 1882.

LEAVE ENJOYED.—Nil.

G. P. HÖRST.—(Born 9th December, 1859.)—Passed student of the Thomason College, Roorkee; appointed by Government of India as an Apprentice Engineer, and posted to North-Western Provinces, Irrigation Branch, joined 2nd Division, Betwa Canal, 13th June, 1882; relieved 30th September, 1882; on transfer to 3rd Division, Betwa Canal, joined 1st October, 1882; promoted to Assistant Engineer, 3rd grade, 14th December, 1882; promoted to Assistant Engineer, 2nd grade, December, 1883.

LEAVE ENJOYED.—Nil.

C. H. HUTTON.—(Born 25th March, 1860.)—Passed student of the Royal Indian Engineering College; appointed by Her Majesty's Secretary of State for India as an Assistant Engineer, 2nd grade, 23rd September, 1881; posted to North-Western Provinces and Oudh, Irrigation Branch, 2nd Circle, temporarily posted to Buildings and Roads Branch for employment in the Allahabad Provincial Division, in connection with the Allahabad water supply scheme; joined 13th December, 1882; relieved 14th February, 1883, on re-transfer to the Irrigation Branch; posted to and joined Mainpuri Division, Lower Ganges Canal, 16th February, 1883.

LEAVE ENJOYED.—Nil.

E. A. LEE.—(Born 10th March, 1859.)—Passed student of the Royal Indian Engineering College; appointed by Her Majesty's Secretary of State for India as an Assistant Engineer, 2nd grade, 23rd September, 1880; posted to North-Western Provinces and Oudh, and joined Weir Division, Betwa Canal, 26th November, 1881; relieved 9th January, 1882; on transfer to Aligarh Division, Ganges Canal, joined 14th January, 1882; passed departmental examination as prescribed in Public Works Department Code, chapter II, section 1, paragraphs 16 to 18, on 10th April, 1883; temporarily transferred to the Accounts Branch with the temporary rank of Assistant Examiner, 1st grade, posted to and joined the office of Examiner, Public Works Accounts, North-Western Provinces and Oudh, 25th May, 1883.

LEAVE ENJOYED.—Nil.

M. NETHERSOLE.—(Born 24th April, 1859.)—Passed student of the Royal Indian Engineering College; appointed by Her Majesty's Secretary of State for India as an Assistant Engineer, 2nd grade, 23rd September, 1880, and posted to North-Western Provinces and Oudh; posted to and joined Meerut Division, Ganges Canal, 26th November, 1881; relieved 8th January, 1882; on transfer to Anápsahar Branch, Ganges Canal, joined 9th January, 1882; passed departmental examination, as prescribed in Public Works Department Code, chapter II, section 1, paragraphs 16 to 18, on 10th October, 1882, and the lower standard examination in Hindustani, as prescribed in paragraph 21, on 5th February, 1883.

LEAVE ENJOYED.—Nil.

G. T. OLIVER.—(Born 26th February, 1858.)—Passed student, Thomason Civil Engineering College, Roorkee; appointed as an Apprentice Engineer, and posted to North-Western Provinces and Oudh; posted to and joined Bhognipur Division, Lower Ganges Canal, 17th October, 1878; promoted to Assistant Engineer, 3rd grade, 15th February, 1879; posted to Distributaries Division, Lower Ganges Canal, 1st May, 1879; relieved 14th October, 1879; on transfer to Cawnpore Division, Lower Ganges Canal, joined 15th October, 1879; left 8th March 1880, and joined Mainpuri Division, Lower Ganges Canal, 11th March, 1880; promoted to Assistant Engineer, 2nd grade, 13th April, 1880; passed departmental examination, as prescribed in Public Works Department Code, chapter II, section 1, paragraphs 16 to 18, on 19th October, 1880; relieved 26th November, 1881; on transfer to 2nd Division, Betwa Canal, joined 30th November, 1881; transferred to 3rd Division, Betwa Canal, 1st October, 1882; transferred to 2nd Division, Betwa Canal, 1st November, 1882; passed higher standard in Canal Law, October, 1882; transferred to and joined 3rd Division, Betwa Canal, 7th March, 1883; passed departmental standard in Hindustani and lower standard examination, 4th June, 1883.

LEAVE ENJOYED.—Privilege leave from 28th June to 27th July, 1881.

PREO NATH GHOSE.—(Born 22nd August, 1850.)—Passed student of the Thomason College, Roorkee; appointed by Government of India as an Apprentice Engineer, and posted to Bhognipur Division, Lower Ganges Canal; joined 8th October, 1873; relieved 17th November 1873; on transfer to Bengal, joined Upper Gandak Circle, 12th January, 1874; transferred to and joined Sonthal Parganas 1st March, 1875; retransferred to North-Western Provinces, 30th April, 1875; posted to and joined Narora Division, Ganges Canal, 1st July, 1875; relieved 1st August, 1875; on transfer to Kásganj Division, joined 2nd August 1875; promoted to Assistant Engineer, 3rd grade, 1st April, 1876; relieved 27th August, 1877; on transfer to Narora Division, joined the same day; relieved 5th October, 1877; on transfer to Kásganj Division, joined 8th October, 1877; transferred to and joined Mainpuri Division, 16th March, 1878; passed departmental examination, and promoted to Assistant Engineer, 2nd grade 8th April, 1879; relieved 23rd April, 1881; on transfer to Cawnpore Division Ganges Canal, joined 28th April, 1881; passed examination prescribed in Public Works Code, chapter II, section 1, paragraph 20, 10th January, 1882.

LEAVE ENJOYED.—Privilege leave from 15th October to 14th December, 1876; and from 18th January to 17th April, 1881.

P. L. ROOPER.—(Born 9th September 1861.)—Passed student of the Royal Indian Engineering College; appointed by Her Majesty's Secretary of State for India as an Assistant Engineer, 2nd grade, 1st October, 1882; and having gone through his practical training in England; posted to North-Western Provinces and Oudh, 3rd Circle, Irrigation Works; posted to and joined Eastern Jumna Canal, 11th November, 1883.

LEAVE ENJOYED.—Nil.

H. C. S. SANDERS.—(Born 16th January, 1862.)—Passed student of the Royal Indian Engineering College; appointed by Her Majesty's Secretary of State for India as an Assistant Engineer, 2nd grade, 1st October, 1882; and having gone through his practical training in England, posted to North-Western Provinces and Oudh, 2nd Circle, Irrigation Works; reported arrival at the office of Superintending Engineer, 2nd Circle, 2nd November 1883; posted to and joined Etāwah Division, Lower Ganges Canal, 4th November, 1883.

LEAVE ENJOYED.—*Nil*.

G. W. SWEET.—(Born 21st May, 1858.)—Passed student of the Royal Indian Engineering College; appointed by Her Majesty's Secretary of State for India as an Assistant Engineer, 2nd grade, and posted to North-Western Provinces and Oudh; posted to and joined Weir Division, Betwa Canal, 26th November, 1881; relieved 9th January, 1882; on transfer to Narora Division, Lower Ganges Canal (temporarily attached to Cawnpore Division, Ganges Canal, from 14th to 25th January, 1882); joined Narora Division, 28th January, 1882; passed the departmental examination as prescribed in Public Works Department Code, chapter II, section 1, paragraphs 16 to 18, on 10th October, 1882.

LEAVE ENJOYED.—*Nil*.

H. G. STRICKLAND.—(Born 29th July, 1857.)—Passed student of the Royal Indian Engineering College; appointed by Her Majesty's Secretary of State for India as an Assistant Engineer, 2nd grade; posted to 2nd Division, Betwa Canal; temporarily attached to Weir Division, Betwa Canal, 28th November to 31st October, 1881; joined 2nd Division, Betwa Canal, 1st January, 1882; relieved 24th May, 1882; on transfer to Weir Division, Betwa Canal, joined 27th May, 1882; transferred to 2nd Division, Betwa Canal, 29th June, 1882; passed colloquial examination in Hindustani as prescribed in Public Works Department Code, chapter II, section 1, paragraph 20, on 10th April, 1883, and the departmental examination as prescribed in paragraphs 16 to 18, on the same date; relieved 27th April, 1883; on transfer to Bulandshahr Division, Ganges Canal, joined 4th May, 1883.

LEAVE ENJOYED.—*Nil*.

R. S. STRACHEY.—(Born 12th March, 1859.)—Passed student of the Royal Indian Engineering College; appointed by Her Majesty's Secretary of State for India as an Assistant Engineer, 2nd grade; posted to North-Western Provinces and Oudh; posted to and joined Weir Division, Betwa Canal, 26th November, 1881; passed colloquial examination in Hindustani as prescribed in Public Works Department Code, chapter II, section 1, paragraph 20, on 10th April, 1883, and the departmental examination as prescribed in paragraphs 16 to 18 on the same date.

LEAVE ENJOYED.—Language leave for three months from 15th July to 15th October, 1883.

A. L. WEBB.—(Born 27th October, 1860.)—Passed student of the Royal Indian Engineering College; appointed by Her Majesty's Secretary of State for India as an Assistant Engineer, 2nd grade, 23rd September, 1881; posted to 1st Circle, Irrigation Works, North-Western Provinces and Oudh; joined Northern Division, Ganges Canal, 2nd December 1882.

LEAVE ENJOYED.—*Nil*.

G. WYLIE.—(Born 9th October, 1860.)—Passed student of the Royal Indian Engineering College; appointed by Her Majesty's Secretary of State for India as an Assistant Engineer, 2nd grade, 1st October, 1882; and having gone through his practical training in England, posted to North-Western Provinces and Oudh, 1st Circle, Irrigation Works, 17th November, 1883; posted to and joined Aligarh Division, Ganges Canal, 22nd November, 1883.

LEAVE ENJOYED.—*Nil*.

(10) *Env.*
THIRD GRADE.

S. ATHIM.—(Born 7th December, 1859.)—Passed student Thomason College, Roorkee; appointed by Government of India as an Apprentice Engineer, and posted to North-Western Provinces, Irrigation Branch; joined Meerut Division, Ganges Canal, 2nd June, 1882; relieved of his duties, 11th November, 1882; on transfer to Aundhpahar Branch, Ganges Canal, joined 11th November, 1882; promoted to Assistant Engineer, 3rd grade, 3rd December, 1882.

LEAVE ENJOYED.—*Nil*.