
LISTS OF OFFICERS
IN THE
SURVEY DEPARTMENTS
ON THE
1st OCTOBER 1874.

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Classified List of Officers of the Topographical and Revenue Survey Departments as it stood on the 1st October 1874.

| No. sanctioned. | No. existing in each grade. | NAMES. | Substantive Appointment. | Survey Party to which at present attached. | Consolidated Salary. | REMARKS. |
|---|-----------------------------|---|--|--|----------------------|--|
| ADMINISTRATIVE STAFF. | | | | | Rs. A. P. | |
| 1 | 1 | Col. H. L. Thuillier, F. R. S., C. S. I. | Survyr. Genl. of India and Supdt. of Topographical Surveys. | ... | 3,000 0 0 | |
| 1 | 1 | Col. J. E. Gastrell, s. c. | Dy. Survyr. Genl. and Supdt. of Revenue Surveys, Upper Circle. | ... | 2,000 0 0 | |
| 1 | 1 | Col. D. C. Vanrenen, R. A. | Ditto, Lower Circle... | ... | ..... | On furlough. |
| 1 | 1 | Lt.-Col. John Macdonald, s. c. | Offg. Ditto | ... | 2,000 0 0 | |
| 1 | ... | Vacant | 1st Asst. Survyr. Genl. | ... | ..... |  |
| 1 | 1 | J. O. N. James, Esq. | 2nd Ditto | ... | 800 0 0 | |
| 1 | 1 | Capt. J. Waterhouse, s. c. | 3rd Ditto | ... | 750 0 0 | |
| TOPOGRAPHICAL SURVEY DEPARTMENT. | | | | | | |
| SENIOR BRANCH. | | | | | | |
| 1 | ... | <i>Dy. Supdts., 1st grade, maxm. salary Rs. 1,600, plus pay proper to Engr. Officers.</i> | | | | |
| 1 | 1 | Col. G. H. Saxton, s. c. | Dy. Supdt., 1st grade | ... | ..... | On furlough. |
| 1 | 1 | Lt. Col. G. C. Depree, s. c. | Ditto | No. 4 or N. E. Division, C. P. Survey. | 1,540 14 0 | |
| 2 | ... | <i>Dy. Supdts., 2nd grade, maxm. salary Rs. 1,300, plus pay proper to Engr. Officers.</i> | | | | |
| 1 | 1 | Capt. W. G. Murray, s. c. | Ditto, 2nd grade | ... | ..... | On furlough. |
| 1 | 1 | Capt. Geo. Strahan, R. E. | Ditto | No. 7 or Rajpootana and Simla Survey. | 1,183 10 0 | |
| 3 | ... | <i>Dy. Supdts., 3rd grade, maxm. salary Rs. 1,000, plus pay proper to Engr. Officers.</i> | | | | |
| 1 | 1 | Maj. H. H. Godwin-Austen, s. c. | Ditto | ... | ..... | On furlough. |
| 1 | 1 | Capt. R. V. Riddell, R. E. | Ditto, 3rd grade | No. 5 or Bhopal & Malwa Survey. | 1,183 10 0 | Offg. in the 2nd grade. On Privilege leave for 3 months, from 16th September 1874. |
| 2 | 1 | Capt. Charles Strahan, R. E. | Ditto | No. 1 or Gwalior and C. I. Survey. | 1,083 10 0 | Ditto. |
| 3 | 1 | J. O. N. James, Esq. | Ditto | No. 2 or Khandesh and Bombay Native States Survey. | 800 0 0 | See Administrative Staff. |
| 3 | 1 | F. B. Girdlestone, Esq. | Ditto | ... | ..... |  |
| REVENUE SURVEY DEPARTMENT. | | | | | | |
| SENIOR BRANCH. | | | | | | |
| 3 | ... | <i>Dy. Supdts., 1st grade, maxm. salary Rs. 1,600, plus pay proper to Engr. Officers.</i> | | | | |
| 1 | 1 | Lt. Col. J. Macdonald, s. c. | Dy. Supdt., 1st grade | ... | ..... | See Administrative Staff. |
| 1 | 1 | Col. H. C. Johnstone, C. B., S. C. | Ditto | 1st or Dera Ismail Khan District Survey, Punjab. | 1,627 14 0 | Rs. 27-14-0 as personal allowance. |
| 2 | 1 | Lt.-Col. F. C. Anderson, s. c. | Ditto | 5th or Muttra and Banda Districts Survey, N. W. P. | 1,627 14 0 | Ditto ditto. |
| 5 | ... | <i>Dy. Supdts., 2nd grade, maxm. salary Rs. 1,300, plus pay proper to Engr. Officers.</i> | | | | |
| 1 | 1 | Major A. D. Vanrenen, s. c. | Dy. Supdt., 2nd grade | ... | ..... | On furlough. |
| 1 | 1 | Lt. Col. R. E. Oakes, s. c. | Ditto | 8th or Baitool Dist. and Aheree Zemindaree Survey, C. P. | 1,600 0 0 | Offg. in the 1st grade. |
| 2 | 1 | R. B. Smart, Esq. | Ditto | 7th or Humeerpore Dist. Survey, N. W. P. | 1,000 0 0 | |
| 3 | 1 | Major J. Sconce, s. c. | Ditto | 12th or Midnapore District Survey, Bengal. | 1,167 7 8 | |
| 4 | 1 | W. Lane, Esq. | Ditto | 9th or Belaspore District and Aheree Zemindaree Surv., C. P. | 1,000 0 0 | |

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|---|---|--------------------------|---|----------------------|--|
| REVENUE SURVEY DEPARTMENT—contd. | | | | | |
| SENIOR BRANCH—contd. | | | | | |
| 6 | <i>Dy. Supdts., 3rd grade, maxm. salary Rs. 1,000, plus pay proper to Engr. Officers.</i> | | | Rs. A. P. | |
| 1 | Major D. Macdonald, s. c. | Dy. Supdt., 3rd grade | 13th or Goalpara and Durrung Districts Survey, Assam. | 1,300 0 0 | Offg. in the 2nd grade. |
| 2 | Capt. F. Coddington, s. c. | Ditto | 10th or 1st Deccan Topgl. Survey, Bombay. | 1,124 1 6 | Ditto. |
| 3 | „ W. Barron, s. c. | Ditto | 4th or Moradabad Dist. Survey, N. W. P. | 974 1 6 | |
| 4 | Major H. C. B. Tanner, s. c. | Ditto | 11th or 2nd Deccan Topographical Survey, Bombay. | 1,000 0 0 | |
| 5 | E. T. S. Johnson, Esq. | Ditto | 6th or Agra Dist. Surv., N. W. P. | 800 0 0 | On furlough. |
| 6 | Capt. J. H. W. Osborne, s. c. | Ditto | ... | ..... |  |
| TOPOGL. AND REVENUE SURVEY DEPTS. | | | | | |
| SENIOR BRANCH. | | | | | |
| 6 | <i>Asst. Supdts., 1st grade, maxm. salary Rs. 750, plus pay proper to Engr. Officers.</i> | | | | |
| 1 | Capt. D. C. Andrew, s. c. | Asst. Supdt., 1st grade | 3rd or Bhawalpore State Survey, Punjab. | 974 1 6 | Offg. grade, Deputy Supdts. |
| 2 | „ W. H. Wilkins, s. c. | Ditto | 2nd or Goorgaon Dist. Survey, Punjab. | 974 1 6 | Ditto. |
| 3 | J. Campbell, Esq. | Ditto | 15th or Bhawalpore State Survey, Punjab. | 800 0 0 | Ditto. |
| 4 | Capt. E. W. Samuells, s. c. | Ditto | 14th or Luckimpore Dist. Survey, Assam. | 750 0 0 | Offg. grade, Deputy Supdts. |
| 5 | „ W. F. Badgley, s. c. | Ditto | No. 6, or Khasi and Garo Hills Survey. | 750 0 0 | |
| 6 | „ W. J. Stewart, s. c. | Ditto | 5th or Muttra and Banda Dists. Survey, N. W. P. | 750 0 0 | Offg. 3rd grade Depy. Supdt. |
| 7 | „ J. E. Sandeman, s. c. | Ditto | 13th or Goalpara and Durrung Dists. Survey, Assam. | 750 0 0 | Ditto. |
| 8 | Lieut. T. H. Holdich, B. E. | Ditto | No. 3, or Central Provinces and Vizagapatam Agency Survey. | 740 0 0 | See Administrative Staff. |
| 9 | Capt. J. Waterhouse, s. c. | Asst. Supdt., 1st grade | No. 2, or Khandesh and Bombay Native States Survey. | 600 0 0 | |
| 10 | H. Horst, Esq. | Ditto | 4th or Moradabad Dist. Survey, N. W. P. | 750 0 0 | |
| 11 | Capt. H. L. Smith, s. c. | Ditto | 6th or Agra Dist. Surv., N. W. P. | 600 0 0 | |
| 12 | H. B. Talbot, Esq. | Ditto | No. 5, Topographical Survey, Bhopal and Malwa Survey. | 750 0 0 | |
| 12 | Capt. J. R. Wilmer, s. c. | Ditto | ... | ... | |
| 8 | <i>Asst. Supdts., 2nd grade, maxm. salary Rs. 600, plus pay proper to Engr. Officers.</i> | | | | |
| 1 | Capt. H. S. Cowan, s. c. | Asst. Supdt., 2nd grade | 3rd or Bhawalpore State Survey, Punjab. | 749 1 6 | |
| 2 | „ H. S. Hutchinson, s. c. | Ditto | 11th or 2nd Deccan Topgl. Survey, Bombay. | 749 1 6 | |
| 3 | E. C. Barrett, Esq. | Ditto | 7th or Humeerpore Dist. Survey, N. W. P. | 450 0 0 | |
| 4 | E. J. Jackson, Esq. | Ditto | 14th or Luckimpore Dist. Survey Assam. | 450 0 0 | |
| 5 | Capt. E. H. Steel, s. c. | Ditto | 1st or Dera Ismail Khan Dist. Survey, Punjab. | 624 1 6 | Rs. 24-1-6, Personal Allowance. |
| 6 | „ R. Beavan, s. c. | Ditto | 8th or Baitool Dist. and Aherce Zemindaree Survey, N. W. P. | 624 1 6 | Ditto. |
| 7 | H. E. Gastrell, Esq. | Ditto | 12th or Midnapore Dist. Survey, Bengal (on deputation to Darjeeling Waste Land Survey). | 450 0 0 | |
| 8 | G. H. Cooke, Esq. | Ditto | 9th or Belaspore Dist. or Aherce Zemindary Survey, C. P. | 450 0 0 | |
| 7 | <i>Asst. Supdts., 3rd grade, maxm. salary Rs. 500, plus pay proper to Engr. Officers.</i> | | | | |
| 1 | Lieut. R. G. Woodthorpe, B. E. | Asst. Supdt., 3rd grade | No. 6, or Khasi and Garo Hills | 570 0 0 | Offg. in the 1st grade. |
| 2 | „ E. P. Leach, B. E. | Ditto | No. 7, or Rajpootana Survey | 570 0 0 | Ditto. (answ. Rs. 124-1-6, Personal Allow. |
| 3 | Capt. W. L. Wavell, s. c. | Ditto | 2nd or Goorgaon Dist. Survey, Punjab. | 624 1 6 | |
| 4 | „ G. W. Martin, s. c. | Ditto | 10th or 1st Deccan Topogl. Survey, Bombay. | 500 0 0 | On furlough for 2 years. |
| 5 & 6 | Lieut. A. J. C. Scott, s. c. | Ditto | ..... | ..... |  |
| 5 & 6 | Vacant, owing to Officers on furlough. | | | | |
| | Lieut. J. R. Hobday, s. c. | Ditto | No. 1, or Gwalior and Central India Topogl. Survey. | 500 0 0 | |

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|---|----------------------------------|--------------------------|---|----------------------|--|
| TOPOGRAPHICAL SURVEY DEPARTMENT. | | | | | |
| JUNIOR BRANCH. | | | | | |
| SURVEYORS. | | | | | |
| 3 | <i>1st grade—Salary Rs. 500.</i> | | | | |
| 1 | Mr. N. A. Belletty | Surveyor, 1st grade | On duty at Head-Quarters | 500 0 0 | |
| 8 | „ J. F. Baness | Ditto | On duty as Chief Draftsman at Head-Quarters Office. | 600 0 0 | Supernumerary. |
| 2 | „ A. C. Chamarett | Ditto | On duty at Head-Quarters Office | 500 0 0 | (a) Exclusive of Rs. 45 as Presidency house-rent. Supernumerary. |
| 8 | „ H. J. Bolst | Ditto | On furlough for 2 years, from 3rd Nov. 1873. | 500 0 0 | |
| 4 | <i>2nd grade—Salary Rs. 400.</i> | | | | |
| 1 | Mr. G. A. McGill | Surveyor, 2nd grade | No. 4, or N. E. Divn., C. P. Surv. | 500 0 0 | (b) Offg. Surveyor, 1st grade, from 1st January 1874. |
| 2 | „ D. Atkinson | Ditto | No. 2, or Khandesh and Bombay Native States Survey. | 400 0 0 | |
| 3 & 4 | Vacant. | | | | |
| 3 | <i>3rd grade—Salary Rs. 350.</i> | | | | |
| 1 | Mr. J. A. Vanderputt | Surveyor, 3rd grade | No. 4, or N. E. Divn., C. P. Surv. | 350 0 0 | |
| 2 | „ R. W. Chew | Ditto | No. 2, or Khandesh and Bombay Native States Survey. | 350 0 0 | |
| 3 | „ J. Harper | Ditto | No. 3, or C. P. and Vizagapatam Agy. Survey. | 350 0 0 | |
| 4 | „ A. J. Wilson | Ditto | No. 2 Topgl. Party, Khandesh and Bombay Native States Survey. | 350 0 0 | |
| 4 | <i>4th grade—Salary Rs. 360.</i> | | | | |
| 1 | Mr. J. A. May | Surveyor, 4th grade | No. 3, or C. P. and Vizagapatam Agy. Survey. | 300 0 0 | |
| 2 | „ F. Adams | Ditto | Ditto | 300 0 0 | |
| 3 | „ R. D. Farrell | Ditto | No. 1, or Gwalior & C. I. Survey | 300 0 0 | |
| 4 | „ E. S. P. Atkinson | Ditto | No. 7, or Rajpootana and Simla Survey. | 300 0 0 | |
| 5 | „ M. J. Ogle | Ditto | No. 6, or Khasi and Garo Hills Survey. | 300 0 0 | |
| 6 | „ A. G. Wyatt | Ditto | No. 2, or Khandesh & Bombay Native States Survey. | 300 0 0 | |
| ASSISTANT SURVEYORS. | | | | | |
| 9 | <i>1st grade—Salary Rs. 250.</i> | | | | |
| 1 | Mr. C. F. Hamer | Asst. Survr., 1st grade | No. 5, or Bhopal & Malwa Surv. | 250 0 0 | |
| 2 | „ C. A. R. Scanlan | Ditto | No. 1, or Gwalior & C. I. Survey | 250 0 0 | |
| 3 | „ R. Todd | Ditto | No. 7, or Rajpootana and Simla Survey. | 250 0 0 | |
| 4 | „ A. Ohennell | Ditto | No. 6, or Khasi and Garo Hills Survey. | 250 0 0 | |
| 5 | „ C. Tapsell | Ditto | No. 7, or Rajpootana and Simla Survey. | 250 0 0 | |
| 6 | „ A. James | Ditto | No. 4, or N. E. Divn., C. P. Surv. | 250 0 0 | |
| 7 | „ T. E. M. Claudius | Ditto | No. 3, or C. P. and Vizagapatam Agy. Survey. | 250 0 0 | |
| 8 | „ F. Kitchen | Ditto | No. 7, or Rajpootana and Simla Survey. | 250 0 0 | |
| 9 | „ W. Stotesbury | Ditto | Ditto | 250 0 0 | |
| 9 | <i>2nd grade—Salary Rs. 200.</i> | | | | |
| 1 | Mr. J. A. Barker | Asst. Survr., 2nd grade | No. 4, or N. E. Divn., C. P. Surv. | 200 0 0 | |
| 2 | „ E. A. Wainright | Ditto | No. 5, or Bhopal & Malwa Surv. | 200 0 0 | |
| 3 | „ W. J. Cornelius | Ditto | No. 1, or Gwalior & C. I. Surv. | 200 0 0 | |
| 4 | „ W. W. McNair | Ditto | No. 7, or Rajpootana and Simla Survey. | 200 0 0 | |
| 5 | „ W. F. Pettigrew | Ditto | No. 3, or C. P. and Vizagapatam Agy. Survey. | 200 0 0 | |
| 6 | „ P. J. W. Doran | Ditto | No. 1, or Gwalior & C. I. Surv. | 200 0 0 | |
| 7 | „ H. T. Kitchen | Ditto | No. 5, or Bhopal & Malwa Surv. | 200 0 0 | |
| 8 | „ A. Cooper | Ditto | No. 3, or C. P. and Vizagapatam Agency Survey. | 200 0 0 | |
| 9 | „ J. H. Wilson | Ditto | No. 4, or N. E. Divn. C. P. Surv. | 200 0 0 | Served previously in the Pegu Survey from 22nd Jan. 1863. |
| 9 | <i>3rd grade—Salary Rs. 160.</i> | | | | |
| 1 | Mr. W. H. Lilley | Asst. Survr., 3rd grade | No. 5, or Bhopal & Malwa Surv. | 160 0 0 | |
| 2 | „ W. Robert | Ditto | No. 6, or Khasi & Garo Hills Survey. | 160 0 0 | |
| 3 | „ F. E. Warde | Ditto | No. 7, or Rajpootana and Simla Survey. | 160 0 0 | |
| 4 | „ C. T. Templeton | Ditto | No. 1, or Gwalior & C. I. Surv. | 160 0 0 | |
| 5 | „ J. McCay | Ditto | No. 6, or Khasi & Garo Hills Survey. | 160 0 0 | |
| 6 | „ W. C. G. Barkley | Ditto | No. 2, or Khandesh and Bombay Native States Survey. | 160 0 0 | |
| 7 | Vacant. | | | | |
| 9 | Vacant. | | | | |

Classified List of Officers of the Topographical and Revenue Survey

Departments as it stood on the 1st October 1874—continued.

| No. sanctioned. No. existing in each grade. | NAMES. | Substantive Appointment. | Survey Party to which at present attached. | Consolidated Salary. | REMARKS. |
|---|---|-------------------------------|---|----------------------|---|
| | TOPOGRAPHICAL SURVEY DEPARTMENT—contd. | | | | |
| | JUNIOR BRANCH—contd. | | | | |
| | ASSISTANT SURVEYORS—contd. | | | | |
| | <i>4th grade—Salary Rs. 120.</i> | | | | |
| 1 | Mr. Geo. Vander Beek | Asst. Survr., 4th grade | No. 3, or C. P. and Vizagapatam Agy. Survey. | 120 0 0 | |
| 2 | " W. M. Kelly | Ditto | No. 1, or Gwalior and C. I. Surv. | 120 0 0 | |
| 3 | " J. Murray | Ditto | No. 5, or Bhopal & Malwa Surv. | 120 0 0 | |
| 4 | " A. Kitchen | Ditto | Ditto | 120 0 0 | |
| 5 | " P. White | Ditto | No. 7, or Rajpootana & Simla Survey. | 120 0 0 | |
| 6 | " T. Downes | Pro. Asst. Survr., 4th grade. | No. 5, or Bhopal & Malwa Surv. | 120 0 0 | |
| 7 | " E. Graham | Ditto | No. 2, or Khandesh and Bombay Native States Survey. | 120 0 0 | |
| 8 | " G. L. Fleming | Ditto | No. 4, or N. E. Divn. C. P. Surv. | 120 0 0 | |
| 9 | " G. R. Copping | Ditto | No. 5, or Bhopal & Malwa Surv. | 120 0 0 | |
| 10 | " G. A. Knight | Ditto | No. 1, or Gwalior & C. I. Surv. | 120 0 0 | |
| 11 | Vacant. | | | | |
| | REVENUE SURVEY DEPT. JUNIOR BRANCH. SURVEYORS. | | | | |
| | <i>1st grade—Salary Rs. 500.</i> | | | | |
| 2 | 1 Mr. George Housden | Reve. Surveyor, 1st grade. | 1st or Dera Ismail Khan District Survey, Punjab. | 500 0 0 | Exclusive of Rs. 15, half-scale local allowance, whilst in the field. |
| | 2 " William Henry Patterson, L. S. | Ditto | 13th or Goalpara and Durrung District Survey, Assam. | 500 0 0 | |
| | <i>2nd grade—Salary Rs. 400.</i> | | | | |
| 4 | 3 Mr. Frederick William Kelly, H. S. | Reve. Surveyor, 2nd grade. | ... | 400 0 0 | Exclusive of personal allowance, Rs. 100. Supernumerary.—Doing duty in Head-Quarters' Office. |
| | 1 " Charles William Campbell | Ditto | 5th or Muttra and Banda Districts Survey, N. W. P. | 400 0 0 | |
| | 2 " Edward Loftie | Ditto | 2nd or Gurgaon District Survey, Punjab. | 400 0 0 | |
| | 3 " George Henry Blyth | Ditto | Ditto | 400 0 0 | |
| | 4 " Frederick Grant | Ditto | 8th or Baitool District and Ahiri Zemindaree Survey, C. P. | 400 0 0 | |
| | <i>3rd grade—Salary Rs. 350.</i> | | | | |
| 6 | 1 Mr. William Sinclair | Reve. Surveyor, 3rd grade. | 4th or Moradabad District Survey, N. W. P. | 350 0 0 | |
| | 2 " Constantine Brownfield, L. S. | Ditto | 7th or Humeerpoor District Survey, N. W. P. | 350 0 0 | Supernumerary.—Doing duty in Head-Quarters' Office. |
| | 3 " Arthur David Smart | Ditto | ... | 350 0 0 | |
| | 3 " Robert Barclay | Ditto | 3rd or Bhawalpore State Survey, Punjab. | 350 0 0 | |
| | 4 " James Todd | Ditto | 12th or Midnapore District Survey, Bengal. | 350 0 0 | |
| | 5 " Patrick Augustus George Cowley, L. S. | Ditto | 6th or Agra Dist. Surv., N. W. P. | 350 0 0 | |
| | 6 } Vacant. | | | | |
| | 7 } Vacant. | | | | |
| | 8 } Vacant. | | | | |
| | <i>4th grade—Salary Rs. 300.</i> | | | | |
| 14 | 1 Mr. Charles David | Reve. Surveyor, 4th grade. | 12th or Midnapore District Survey, Bengal. | 300 0 0 | |
| | 2 " George Rae | Ditto | 8th or Baitool District and Ahiri Zemindaree Surv., C. P. | 300 0 0 | Exclusive of full-scale local allowance, Rs. 30. |
| | 3 " Samuel Mack Smylie | Ditto | 11th or 2nd Deccan Topographical Survey, Bombay. | 300 0 0 | |
| | 4 " Js. Stewart Pemberton, L. S. | Ditto | 2nd or Gurgaon District Survey, Punjab. | 300 0 0 | |
| | 5 " William Robert Vvall | Ditto | 13th or Goalpara and Durrung District Survey, Assam. | 300 0 0 | |
| | 6 " Henry Ross Littlewood | Ditto | 9th or Bilaspore District and Ahiri Zemindaree Surv., C. P. | 300 0 0 | |
| | 7 " Wm. Alexander Wilson, L. S. | Ditto | 15th or Bhawalpore State Survey, Punjab. | 300 0 0 | |
| | 8 " William Samuel Buttress | Ditto | 1st or Dera Ismail Khan District Survey, Punjab. | 300 0 0 | Exclusive of Rs. 15, half-scale local allowance, whilst in the field. |

* Mr. John Allan Swyny, L. S., Revenue Surveyor, 3rd grade, died on the 26th May 1874.

| No. sanctioned. No. existing in each grade. | NAMES. | Substantive Appointment. | Survey Party to which at present attached. | Consolidated Salary. | REMARKS. | |
|---|---|--|--|---|---|--|
| | REVENUE SURVEY DEPARTMENT—contd. | | | | | |
| | JUNIOR BRANCH—contd. | | | | | |
| | SURVEYORS—contd. | | | | | |
| | <i>4th grade—contd.</i> | | | | | |
| 9 | Mr. George Robert Buttress | Reve. Survr., 4th grade | 8th or Baitool District and Ahiri Zemindaree Survey, C. P. | 300 0 0 | Exclusive of full-scale local allowance, Rs. 30. | |
| 10 | " Thomas Wilfred Reilly | Ditto | 11th or 2nd Deccan Topographical Survey, Bombay. | 300 0 0 | | |
| 11 | " Alexander Macdonald Lawson, L. S. | Ditto | 10th or 1st Deccan Topog. Survey, Bombay. | 300 0 0 | Exclusive of full-scale local allowance, Rs. 30. | |
| 12 | " Andrew John Gibson | Ditto | 3rd or Bhawalpore State Survey, Punjab. | 300 0 0 | | |
| 13 | } Vacant. | | | | | |
| 14 | } Vacant. | | | | | |
| | ASSISTANT SURVEYORS. | | | | | |
| | <i>1st grade—Salary Rs. 250.</i> | | | | | |
| 6 | 1 Mr. Lawrence Graham Hill | Asst. Reve. Survr., 1st grade. | 3rd or Bhawalpore State Survey, Punjab. | 250 0 0 | On sick leave from 1st September 1873. | |
| | 2 " Henry Dowman | Ditto | 7th or Humeerpoor District Survey, N. W. P. | 250 0 0 | | |
| | 3 " Edwin Little | Ditto | 7th or Humeerpoor Dist. Surv., N. W. P. | 250 0 0 | | |
| | 4 " Henry Townsend Hanby, L. S. | Ditto | 4th or Moradabad Dist. Surv., N. W. P. | 250 0 0 | | |
| | 5 " George Batley Scott | Ditto | 13th or Goalpara and Durrung Dist. Surv., Assam. | 250 0 0 | | |
| | 6 " John Nathaniel Stoelké | Ditto | 9th or Bilaspore Dist. and Ahiri Zemindaree Surv., C. P. | 250 0 0 | | |
| | 7 " James Hoppner O'Donel | Ditto | 6th or Agra Dist. Surv., N. W. P. | 250 0 0 | | |
| | 8 " Phillip Ford | Ditto | 2nd or Gurgaon Dist. Surv., Punjab. | 250 0 0 | | |
| | 9 " Daniel Arthur King | Ditto | 7th or Humeerpoor Dist. Surv., N. W. P. | 250 0 0 | | |
| | 10 " Robert Boddington Smart | Ditto | 1st or Dera Ismail Khan Dist. Surv., Punjab. | 250 0 0 | Exclusive of Rs. 15, half-scale local allowance, whilst in the field. | |
| | 11 " Edward Wrafter Lincoln | Ditto | 13th or Goalpara and Durrung Dist. Surv., Assam. | 250 0 0 | | |
| | <i>2nd grade—Salary Rs. 200.</i> | | | | | |
| a | 11 | 1 Mr. John Thomas Uniacke Coxen | Asst. Reve. Survr., 2nd grade. | 12th or Midnapore Dist. Surv., Bengal. | 200 0 0 | |
| | S | " Thomas Dearman Moran | Ditto | 13th or Goalpara and Durrung Dist. Surv., Assam. | 200 0 0 | Supernumerary.—Temporarily transferred to Civil Department for Cooh Behar Khusha Survey. |
| | S | " James Connor | Ditto | ... | 200 0 0 | |
| | S | " Thomas Henry Dunne | Ditto | ... | 200 0 0 | Supernumerary.—Doing duty in Head-Quarters' Office. |
| | 2 | " William James Laue | Ditto | 9th or Bilaspore Dist. and Ahiri Zemindaree Surv., C. P. | 200 0 0 | Ditto |
| | 3 | " John Newlaud | Ditto | 10th or 1st Deccan Topog. Surv., Bombay. | 200 0 0 | Exclusive of full-scale local allowance, Rs. 24. |
| | 4 | " Thomas Patterson | Ditto | 4th or Moradabad Dist. Surv., N. W. P. | 200 0 0 | |
| | 5 | " Richard Cunningham Dundee Ewing, L. S. | Ditto | 14th or Lakhimpore Dist. Surv., Assam. | 200 0 0 | |
| | 6 | " George Wilson Jarbo | Ditto | 5th or Muttra and Banda Dist. Surv., N. W. P. | 200 0 0 | |
| | 7 | " James Reid Scott, L. S. | Ditto | Ditto ditto | 200 0 0 | |
| | 8 | " John McHatton, L. S. | Ditto | 9th or Bilaspore District and Ahiri Zemindaree Surv., C. P. | 200 0 0 | |
| | 9 | " William James Smith | Ditto | 1st or Dera Ismail Khan Dist. Surv., Punjab. | 200 0 0 | Exclusive of Rs. 12, half-scale local allowance, whilst in the field. |
| | 10 | " Septimus Oswald Madras | Ditto | 15th or Bhawalpore State Survey, Punjab. | 200 0 0 | |
| | b | 11 " Thomas Frederick Freeman, L. S. | Ditto | 14th or Lakhimpore Dist. Surv., Assam. | 200 0 0 | |
| | <i>3rd grade—Salary Rs. 160.</i> | | | | | |
| | 1 | Mr. Charles Walker Wilson, L. S. | Asst. Reve. Survr., 3rd grade. | 15th or Bhawalpore State Surv., Punjab. | 160 0 0 | |
| | 2 | " George Carleton Swiney | Ditto | 12th or Midnapore Dist. Surv., Bengal. | 160 0 0 | |
| | 3 | " Charles Walter Franklin Seyers. | Ditto | 8th or Baitool Dist. and Ahiri Zemindaree Surv., C. P. | 160 0 0 | |
| | 4 | " George Bartlett Youngs | Ditto | Ditto ditto | 160 0 0 | |
| | 5 | " Alfred Collimore Wilson Lemarchand. | Ditto | 10th or 1st Deccan Topog. Surv., Bombay. | 160 0 0 | Exclusive of local allowance Rs. 10-3-2. |
| | 6 | " John Sidney Swiney | Ditto | 6th or Agra Dist. Surv., N. W. P. | 160 0 0 | |

a. Includes 1 Leveler.

b. Includes 2 Levelers.

Classified List of Officers of the Topographical and Revenue Survey Departments as it stood on the 1st October 1874—concluded.

| No. sanctioned. No. existing in each grade. | NAMES. | Substantive Appointment. | Survey Party to which at present attached. | Consolidated Salary. | REMARKS. |
|---|---|---|---|----------------------|--|
| | REVENUE SURVEY DEPARTMENT—contd. | | | Rs. A. P. | |
| | JUNIOR BRANCH—contd. | | | | |
| | ASSISTANT SURVEYORS—contd. | | | | |
| | <i>3rd grade—continued.</i> | | | | |
| 7 | Mr. George Latter Rodway Scott, L. s. | Asst. Reven. Surveyor, 3rd grade. | 6th or Agra District Survey N. W. P. | 160 0 0 | |
| 8 | „ James O'Toole ... | Ditto ... | 13th or Goalpara and Durrung Divisions Survey, Assam. | 160 0 0 | |
| 9 | „ William Joseph Lincoln, L. s. | Ditto ... | 4th or Moradabad Dist. Surv., N. W. P. | 160 0 0 | |
| 10 | „ Benjamin Anderson ... | Ditto ... | 2nd or Goorgaon Dist. Survey, Punjab. | 160 0 0 | |
| 11 | „ Thomas Shaw, L. s. ... | Ditto ... | 7th or Humeerpoor Dist. Surv., N. W. P. | 160 0 0 | |
| 12 | „ William Henry Penrose ... | Ditto ... | 11th or 2nd Deccan Topogl. Survey. | 160 0 0 | Exclusive of full-scale local allowance, Rs. 19-3-2. |
| 13 | „ Edmund James Martin ... | Ditto ... | 6th or Agra Dist Surv., N. W. P. | 160 0 0 | |
| 14 | „ William Dease Corbett ... | Ditto ... | 7th or Humeerpoor Dist. Surv., N. W. P. | 160 0 0 | |
| 15 | „ George Edwin Parker ... | Ditto ... | 12th or Midnapoor Dist. Surv., Bengal. | 160 0 0 | |
| | PROBATIONARY ASST. SURVEYORS. | | | | |
| | <i>4th grade—Salary Rs. 120.</i> | | | | |
| a 21 | 1 Mr. George Campbell ... | Proby. Asst. Revenue Surveyor, 4th grade. | 7th or Humeerpoor Dist. Surv., N. W. P. | 120 0 0 | |
| | 2 „ John Murphy ... | Ditto ... | 5th or Muttra and Banda Dists. Survey, N. W. P. | 120 0 0 | |
| | 3 „ Charles Wyatt Joseph Ford | Ditto ... | 4th or Moradabad Dist. Surv., N. W. P. | 120 0 0 | |
| | 4 „ Arthur William Smart ... | Ditto ... | 6th or Agra District Survey, N. W. P. | 120 0 0 | |
| | 5 „ George Hugh O'Donel ... | Ditto ... | 4th or Moradabad Dist. Surv., N. W. P. | 120 0 0 | On sick leave for 1 year from 1st Apl. 1874. |
| | 6 „ Henry George Young, H. s. | Ditto ... | 5th or Muttra and Banda Dists. Survey, N. W. P. | 120 0 0 | |
| | 7 „ Percival Edwin Heberlet ... | Ditto ... | 3rd or Bhawalpoor State Surv., Punjab. | 120 0 0 | |
| | 8 „ Percy Sheels Ross ... | Ditto ... | Ditto ditto. | 120 0 0 | |
| | 9 „ Bruce Macdonald Wilson ... | Proby. Asst. Revenue Surveyor, 4th grade. | 12th or Midnapoor District Survey, Bengal. | 120 0 0 | |
| | 10 „ Elliot Playfair Smyth Hill | Ditto ... | 4th or Moradabad District Survey, N. W. P. | 120 0 0 | |
| | 11 „ Edmund Hume Stephen Gasper. | Ditto ... | 12th or Midnapoor District Survey, Bengal. | 120 0 0 | |
| | 12 „ Henry Charles Bradley ... | Ditto ... | 1st or Dera Ismail Khan Dist. Survey, Punjab. | 120 0 0 | Exclusive of Rs. 10-12-9, half-scale local allowance, whilst in the field. |
| | 13 „ Richard Randall Dickinson | Ditto ... | 10th or 1st Deccan Topogl. Survey, Bombay. | 120 0 0 | Exclusive of full-scale local allowance, Rs. 21-9-7. |
| | 14 „ Thomas Anderson ... | Ditto ... | 9th or Bilaspoor Dist. & Ahiri Zemindaree Survey, C. P. | 120 0 0 | |
| | 15 „ Edward Bolderodi Montebello Drew. | Ditto ... | 5th or Muttra and Banda Dist. Survey, N. W. P. | 120 0 0 | |
| | 16 „ Paul Agabeg Peters ... | Ditto ... | 1st or Dera Ismail Khan District Survey, Punjab. | 120 0 0 | |
| | S „ Henry Reed Adels ... | Ditto ... | ... .. | 120 0 0 | Supernumerary.—Doing duty in Head Quarters' Office. |
| | 17 „ Charles Samuel Kraal ... | Ditto ... | ... .. | 120 0 0 | Doing duty in Head Quarters' Office, Calcutta. |
| | 18 } Vacant. | | | | |
| | 21 } | | | | |

a. Includes 1 Leveler, and 4 additional Assistants sanctioned to strengthen $\frac{1}{2}$ parties.

General List of the Officers of the Topographical and

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-------------------------|---------------------------------|-----------------------|----------|---|--------------|------------|
| Genl. Seniority Number. | NAMES. | Passed in Vernacular. | Age. | Rank. | Grade. | Salary. |
| | | | Y. M. D. | | | Rs. A. P. |
| 1 | Mr. William Lane | | 53 0 6 | Depy. Supdt., Revenue Survey | 2nd grade... | 1,000 0 0 |
| 2 | James Campbell | | 46 9 0 | Asst. Supdt., Revenue Survey | 1st grade... | 800 0 0 |
| 3 | J. O. N. James | | 45 1 24 | Asst. Surveyor General | 2nd grade... | 800 0 0 |
| 4 | R. B. Smart | | 47 7 13 | Depy. Supdt., Revenue Survey | Ditto | 1,000 0 0 |
| 5 | Colonel D. C. Vanrenen | P. H. | 52 4 15 | Supdt. of Reve. Surv., Lower Circle | 2nd grade... | 400 0 0 |
| 6 | Mr. G. H. Blythe | | 45 0 9 | Revenue Surveyor | Ditto | 400 0 0 |
| 7 | E. Loftie | | 46 11 25 | Ditto | 1st grade... | 500 0 0 |
| 8 | G. Housden | | 43 9 0 | Ditto | | |
| 9 | N. Belletty | | 46 0 26 | Topographical Surveyor | Ditto | 500 0 0 |
| 10 | C. David | | 46 9 15 | Revenue Surveyor | 4th grade... | 300 0 0 |
| 11 | E. T. S. Johnson | | 46 5 17 | Deputy Supdt., Revenue Survey | 3rd grade... | 800 0 0 |
| 12 | H. B. Talbot | L. S. | 45 11 20 | Assistant Supdt., Revenue Survey | 2nd grade... | 600 0 0 |
| 13 | Colonel G. H. Saxton, s. c. | P. H. | 54 8 3 | Depy. Supdt. of Topogl. Survey | 1st grade... | 500 0 0 |
| 14 | Mr. W. H. Patterson | | 35 7 14 | Revenue Surveyor | Ditto | 2,000 0 0 |
| 15 | Colonel J. E. Gastrell, s. c. | P. C. | 55 8 29 | Supdt. of Revenue Surveys, Upper Circle, and Depy. Survr. Genl. | 1st grade... | 500 0 0 |
| 16 | Mr. A. C. Chamarett | | 41 10 1 | Topographical Surveyor | Ditto | 500 0 0 |
| 17 | H. J. Bolst | | 37 7 0 | Ditto | Ditto | 2,000 0 0 |
| 18 | Lieut. Col. J. Macdonald, s. c. | P. H. | 44 5 5 | Depy. Supdt., Revenue Survey | Ditto | 1,627 14 0 |
| 19 | F. C. Anderson, s. c. | P. H. | 47 3 23 | Depy. Supdt., Revenue Survey | Ditto | 1,627 14 0 |
| 20 | Col. H. C. Johnstone, s. c. | P. H. | 51 3 4 | Depy. Supdt., Revenue Survey | Ditto | 1,627 14 0 |
| 21 | Mr. C. W. Campbell | | 43 5 9 | Revenue Surveyor | 2nd grade... | 400 0 0 |
| 22 | H. Horst | | 40 4 24 | Asst. Supdt., Topogl. Survey | Ditto | 600 0 0 |
| 23 | Lt. Col. G. C. Depree, s. c. | P. H. | 42 1 23 | Depy. Supdt., Topogl. Survey | 1st grade... | 1,540 14 0 |
| 24 | Mr. G. A. McGill | | 36 5 7 | Topographical Surveyor | 2nd grade... | 400 0 0 |
| 25 | W. Sinclair | | 36 0 23 | Revenue Surveyor | 3rd grade... | 350 0 0 |
| 26 | G. R. Buttress | | 34 2 15 | Ditto | 4th grade... | 300 0 0 |
| 27 | W. R. Vvall | | 35 9 17 | Ditto | Ditto | 300 0 0 |
| 28 | Major A. D. Vanrenen, s. c. | P. H. | 43 7 0 | Depy. Supdt., Revenue Survey | 2nd grade... | 400 0 0 |
| 29 | Mr. F. Grant | | 36 6 21 | Revenue Surveyor | Ditto | 400 0 0 |
| 30 | D. Atkinson | | 36 4 23 | Topographical Surveyor | Ditto | 400 0 0 |
| 31 | J. A. Vanderputt | | 35 11 15 | Ditto | 3rd grade... | 350 0 0 |
| 32 | J. F. Baness | | 44 3 1 | Ditto | 1st grade... | 600 0 0 |
| 33 | R. W. Chew | | 35 2 8 | Ditto | 3rd grade... | 350 0 0 |
| 34 | C. Brownfield | L. S. | 34 2 9 | Revenue Surveyor | Ditto | 350 0 0 |
| 35 | R. Barclay | | 33 3 5 | Ditto | Ditto | 350 0 0 |
| 36 | Captain W. G. Murray, s. c. | P. H. | 39 6 21 | Depy. Supdt., Topogl. Survey | 2nd grade... | ..... |

Note.—Service qualifying for pension calculated under old rules, vide Section 61 (b).

Revenue Survey Departments on the 1st October 1874.

| 8 | 9 | 10 | 11 | 12 |
|---|--|--|--|---|
| Date of first appointment to Department. | Date of appointment to present grade. | Period of service counting for pension on 1st Oct. 1874. | Present Post. | REMARKS. |
| | | Y. M. D. | | |
| Feb. 10, 1837 | Mar. 4, 1873 | 36 7 27 | 9th or Bilaspur Dist. and Ahiri Zemindary Survey, Central Provinces. | Leave counting as actual service under the old rules, vide Appendix B to Civil Pension Code, page 131. Sick leave, from 11th September to 10th November 1842. Ditto, from 16th December 1842 to 19th January 1843. Ditto, medical certificate, to Europe, from 20th January 1843 to 9th June 1844. Ditto, from 13th to 16th November 1846. Ditto, medical certificate, to Europe, from 21st May 1867 to 20th May 1869. Periods of deduction from service. Y. M. D. From 12th February to 26th October 1838, in consequence of resignation, vide Appendix B to Civil Pension Code ... 0 8 13 From 18th November to 4th December 1846, caused by transfer in travelling long distance to join new office on abolition of old office ... 0 0 17 From 21st May to 11th August 1869, excess of medical certificate leave to Europe over 2 years allowed to count as service under the old rules of 1856, vide Appendix B to Civil Pension Code ... 0 2 2 0 11 22 |
| Oct. 8, 1844 July 29, 1845 | Nov. 29, 1867 April 1, 1869 | 29 11 24 29 2 3 | 15th or Bhawalpoor State Survey, Punjab ... Asst. Surveyor Genl., in charge Cartographic and Engraving Branches, Head Quarters, Calcutta. | Officiating Deputy Superintendent, 3rd grade. Rs. 200 local allowance. |
| Sept. 21, 1846 | Nov. 6, 1868 | 27 1 9 | 7th or Humeerpoor Dist. Surv., N. W. P. | Sick leave, from 2nd May to 30th June 1846. Ditto, from 28th October 1846 to 20th January 1849. Note.—Absence without leave for three days in October 1853, was erroneously entered in list on the 1st October 1872 against Mr. B. B. Smart's name. |
| Oct. 3, 1846 Dec. 1, 1846 Jan. 1, 1847 Feb. 18, 1847 | Mar. 11, 1867 Jan. 1, 1872 Jan. 1, 1871 July 1, 1867 | 27 5 0 27 9 0 27 7 11 | 2nd or Gurgaon Dist. Reve. Surv., Punjab ... Ditto ditto. 1st or Dera Ismail Khan District Revenue Survey, Punjab. | On furlough, private affairs, for 2 years. Sick leave, from 21st November 1870 to 20th April 1871. |
| July 16, 1847 Sept. 1, 1847 Jan. 1, 1847 Oct. 13, 1847 Dec. 1, 1848 April 24, 1849 Dec. 1, 1851 | April 1, 1866 Jan. 1, 1872 Jan. 1, 1871 July 5, 1870 Sept. 12, 1870 April 1, 1866 Jan. 1, 1871 | 27 2 16 27 1 0 28 11 19 25 10 0 22 0 0 | On duty at Head Quarters. 12th or Midnapoor Dist. Reve. Surv., Bengal 6th or Agra Dist. Reve. Surv., N. W. P. Ditto ditto | Office Asst., from 1st Sept. 1847 to 31st Dec. 1861. Officiating in the 1st grade. |
| Jan. 13, 1852 | Mar. 11, 1867 Dec. 11, 1873 | 22 0 0 | 13th or Goalpara and Durrung Districts Revenue Survey, Assam. Calcutta—Supdt., Revenue Surveys, Upper Circle, and Deputy Surveyor General. Geographical Examiner, Head Quarters | On furlough to Europe for 2 years, from 4th Feb. 1874. Private affairs' leave, from 1st May to 31st Augt. 1862.—Ear. leave on private affairs, from 20th July 72 to 18th Jan. 73. Permitted to retain appt. until 11th Dec. 75.—Vide R.A.C. Dept. Notification No. 838, dated 19th Dec. 73. Exclusive of Rs. 46 as Presidency house-rent. |
| June 2, 1852 July 26, 1852 Sept. 10, 1852 | Mar. 1, 1871 Oct. 1, 1872 April 1, 1866 | 22 3 29 21 6 8 | Calcutta—Officiating Supdt., Revenue Surveys, Lower Circle, and Deputy Surveyor General. 5th or Muttra and Banda Districts Revenue Survey, N. W. P. 1st or Dera Ismail Khan District Revenue Survey, Punjab. | On furlough for 2 years, from 3rd November 1873. |
| May 27, 1853 | April 1, 1866 | ... | 1st or Dera Ismail Khan District Revenue Survey, Punjab. | |
| Nov. 1, 1853 | July 1, 1870 | 20 11 0 | 5th or Muttra and Banda Districts Revenue Survey, N. W. P. | |
| Sept. 1, 1854 Oct. 20, 1854 | Oct. 1, 1869 Oct. 20, 1866 | 20 1 0 | No. 5 or Bhopal and Malwa Topogl. Surv. ... No. 4 or North-Eastern Divn., Central Provinces Topographical Survey. | Officiating in the 1st grade. |
| April 8, 1855 | Jan. 1, 1871 | 19 5 23 | Ditto ditto | Officiating in the 1st grade, and drawing Rs. 500, from 1st January 1874, vide Mr. Bolst, on furlough. |
| Oct. 1, 1855 Nov. 1, 1855 | April 1, 1869 Oct. 31, 1872 | 19 0 0 17 8 17 | 4th or Moradabad Dist. Reve. Surv., N. W. P. 8th or Baitool Dist. and Ahiri Zemindary Reve. Surv., Central Provinces. | Sick leave, from 9th to 23rd July 1868. Ditto, from 3rd September 1868 to 30th October 1869. |
| June 13, 1856 | April 1, 1869 | 18 3 18 | 13th or Goalpara and Durrung Districts Revenue Survey, Assam. | |
| July 8, 1856 July 11, 1856 | July 8, 1866 April 1, 1872 | 18 2 21 | 8th or Baitool District and Ahiri Zemindary Revenue Survey, Central Provinces. | On furlough, private affairs, for 2 years, from 1st Dec. 73. |
| Aug. 4, 1856 | Jan. 1, 1871 | 18 1 28 | No. 2 Topogl. Party Khandesh and Bombay Native States Survey. | |
| Sept. 1, 1856 Sept. 5, 1856 Sept. 15, 1856 | Oct. 1, 1871 May 1, 1870 Oct. 1, 1871 | 18 1 0 18 0 26 18 0 16 | No. 4 or N. E. Divn., C. P. Topogl. Surv. Chief Draftsman, Head Quarters No. 2 or Khandesh and Bombay Native States Topographical Survey. | Service reckoned under new rules. |
| Sept. 20, 1856 | April 1, 1869 | 18 0 11 | 7th or Humeerpoor Dist. Surv., N. W. P. | |
| Ditto | Jan. 1, 1871 | 16 7 2 | 3rd or Bhawalpoor State Reve. Surv., Punjab | Private affairs, furlough to Eur., from 11th Dec. 1867 to 8th Dec. 1868.—Sick leave, from 8th Nov. 1869 to 18th April 1870. On furlough to Europe, from 14th Feb. 1872. |
| May 8, 1857 | April 1, 1869 | ... | ... | |

New Pension Code, for all appointments prior to 8th June 1863.

General List of the Officers of the Topographical and Revenue

Survey Departments on the 1st October 1874—continued.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-------------------------|-------------------------------------|-----------------------|----------|------------------------------------|---------------|------------|
| Genl. Seniority Number. | NAMES. | Passed in Vernacular. | Age. | Rank. | Grade. | Salary. |
| | | | Y. M. D. | | | Rs. A. P. |
| 37 | Major H. H. Godwin-Austen, s. c. | P. H. | 40 2 27 | Depy. Supdt., Topogl. Survey | 2nd grade ... | ... |
| 38 | Mr. J. Harper ... | ... | 36 5 15 | Topographical Surveyor | 3rd grade ... | 350 0 0 |
| 39 | Lieut. Col. R. E. Oakes, s. c. | P. H. | 35 7 23 | Depy. Supdt., Revenue Survey | 2nd grade ... | 1,600 0 0 |
| 40 | Mr. F. W. Kelly ... | H. S. | 41 1 20 | Revenue Surveyor | 3rd grade ... | 400 0 0 |
| 41 | Mr. P. A. G. Cowley ... | L. S. | 32 9 0 | Ditto | 3rd grade ... | 350 0 0 |
| 42 | " G. Rae ... | ... | 32 9 24 | Ditto | 4th grade ... | 300 0 0 |
| 43 | " T. W. Reiley ... | ... | 32 3 22 | Ditto | Ditto | 300 0 0 |
| 44 | Major J. Sconce, s. c. | P. H. | 38 6 14 | Depy. Supdt., Revenue Survey | 2nd grade ... | 1,167 7 8 |
| 45 | Mr. E. Little ... | ... | 29 0 4 | Asst. Revenue Surveyor | 1st grade ... | 250 0 0 |
| 46 | " S. M. Smylie ... | ... | 32 10 20 | Revenue Surveyor | 4th grade ... | 300 0 0 |
| 47 | " W. S. Buttress ... | ... | 30 7 27 | Ditto | Ditto | 300 0 0 |
| 48 | " A. J. Wilson ... | L. S. | 32 1 0 | Topographical Surveyor | 3rd grade ... | 350 0 0 |
| 49 | " J. A. May ... | ... | 32 0 14 | Ditto | 4th grade ... | 300 0 0 |
| 50 | " F. Adams ... | ... | 38 5 6 | Ditto | Ditto | 300 0 0 |
| 51 | " R. D. Farrell ... | ... | 30 8 1 | Ditto | Ditto | 300 0 0 |
| 52 | " J. S. Pemberton ... | L. S. | 31 3 8 | Revenue Surveyor | Ditto | 300 0 0 |
| 53 | " H. R. Littlewood ... | ... | 30 11 10 | Ditto | Ditto | 300 0 0 |
| 54 | Captain W. J. Stewart, s. c. | P. H. | 36 9 25 | Asst. Supdt., Revenue Survey | 1st grade ... | 750 0 0 |
| 55 | Major D. Macdonald, s. c. | P. H. | 38 10 6 | Depy. Supdt., Revenue Survey | 3rd grade ... | 1,300 0 0 |
| 56 | Mr. W. A. Wilson ... | L. S. | 31 4 27 | Revenue Surveyor | 4th grade ... | 300 0 0 |
| 57 | " A. J. Gibson ... | ... | 32 6 15 | Ditto | Ditto | 300 0 0 |
| 58 | " E. S. P. Atkinson ... | ... | 29 2 5 | Topographical Surveyor | Ditto | 300 0 0 |
| 59 | " A. G. Wyatt ... | ... | 29 7 5 | Ditto | Ditto | 300 0 0 |
| 60 | Captain F. Coddington, s. c. | P. H. | 36 4 23 | Depy. Supdt., Revenue Survey | 3rd grade ... | 1,124 1 6 |
| 61 | " J. H. W. Osborne, late 44th N. I. | P. H. | 34 2 24 | Ditto ditto | Ditto | ... |
| 62 | " W. Barron, s. c. | P. H. | 36 9 0 | Ditto ditto | Ditto | 974 1 6 |
| 63 | " Geo. Strahan, B. E. | P. H. | 35 7 25 | Depy. Supdt., Topogl. Survey | 2nd grade ... | 1,193 10 0 |
| 64 | " R. V. Riddell, B. E. | P. H. | 34 6 18 | Ditto ditto | 3rd grade ... | 1,183 10 0 |
| 65 | Major H. C. B. Tanner, s. c. | P. H. | 39 3 0 | Depy. Supdt., Revenue Survey | Ditto | 1,000 0 0 |
| 66 | Mr. H. Dowman ... | ... | 28 4 5 | Asst. Revenue Surveyor | 1st grade ... | 250 0 0 |
| 67 | " H. T. Hanby ... | L. S. | 27 11 27 | Ditto | Ditto | 250 0 0 |
| 68 | " E. C. Barrett ... | H. S. | 31 6 1 | Asst. Supdt., Revenue Survey | 2nd grade ... | 450 0 0 |
| 69 | " A. M. Lawson ... | L. S. | 35 9 14 | Revenue Surveyor | 4th grade ... | 300 0 0 |
| 70 | " L. G. Hill ... | ... | 44 1 15 | Asst. Revenue Surveyor | 1st grade ... | 250 0 0 |
| 71 | Captain D. C. Andrew, s. c. | P. H. | 33 6 28 | Asst. Supdt., Revenue Survey | Ditto | 974 1 6 |
| 72 | " W. H. Wilkins, s. c. | P. H. | 33 0 10 | Ditto ditto | Ditto | 250 0 0 |
| 73 | Mr. G. B. Scott ... | ... | 30 2 15 | Asst. Revenue Surveyor | Ditto | 200 0 0 |
| 74 | " J. T. U. Coxen ... | ... | 34 1 7 | Ditto | 2nd grade ... | 200 0 0 |
| 75 | " M. J. Ogle ... | ... | 32 6 27 | Topographical Surveyor | 4th grade ... | 300 0 0 |
| 76 | " F. B. Girdlestone ... | ... | 31 6 0 | Depy. Supdt., Topogl. Survey | 3rd grade ... | 800 0 0 |
| 77 | " C. F. Hamer ... | ... | 28 10 24 | Asst. Topographical Surveyor | 1st grade ... | 250 0 0 |
| 78 | " T. D. Moran ... | ... | 27 11 15 | Asst. Revenue Surveyor | 2nd grade ... | 200 0 0 |
| 79 | " J. N. Stoelke ... | ... | 29 9 0 | Ditto | 1st grade ... | 250 0 0 |
| 80 | " T. E. M. Claudius ... | ... | 28 4 0 | Asst. Topographical Surveyor | Ditto | 250 0 0 |
| 81 | " C. A. R. Scanlan ... | ... | 27 0 18 | Ditto | Ditto | 250 0 0 |
| 82 | Captain Charles Strahan, B. E. | ... | 31 4 26 | Depy. Supdt., Topographical Survey | 3rd grade ... | 1,033 10 0 |
| 83 | Mr. J. H. O'Donnell ... | ... | 29 3 0 | Asst. Revenue Surveyor | 1st grade ... | 250 0 0 |
| 84 | " J. Newland ... | ... | 37 2 11 | Ditto | 2nd grade ... | 200 0 0 |
| 85 | " R. Todd ... | ... | 29 2 19 | Asst. Topographical Surveyor | 1st grade ... | 250 0 0 |
| 86 | " P. Ford ... | ... | 28 10 9 | Asst. Revenue Surveyor | Ditto | 250 0 0 |
| 87 | Captain E. W. Samuells, s. c. | P. H. | 32 3 9 | Asst. Supdt., Revenue Survey | Ditto | 750 0 0 |
| 88 | Mr. J. Todd ... | ... | 40 5 4 | Revenue Surveyor | 3rd grade ... | 350 0 0 |
| 89 | " G. Campbell ... | ... | 25 3 4 | Proby. Assistant Revenue Surveyor | 4th grade ... | 120 0 0 |
| 90 | " R. B. Smart ... | ... | 27 3 17 | Asst. Revenue Surveyor | 1st grade ... | 250 0 0 |

NOTE.—Service qualifying for pension calculated under old rules, vide

| 8 | 9 | 10 | 11 | 12 |
|--|---------------------------------------|--|--|--|
| Date of first appointment to Department. | Date of appointment to present grade. | Period of service counting for pension on 1st Oct. 1874. | Present Post. | REMARKS. |
| | | Y. M. D. | | |
| May 8, 1857 | Jan. 1, 1868 | ... | ... | On furlough to Europe for 6 months, from 6th September 1873. Obtained an extension of 6 months, on medical certificate, in England. |
| Aug. 8, 1857 | Oct. 1, 1872 | 15 10 14 | No. 3 or Central Provinces and Vizagapatam Agency Topographical Survey. | Service reckoned under new rules, 15 months 10 days, medical leave deducted. |
| April 7, 1858 | April 7, 1867 | ... | 8th or Baitool District and Abiri Zemindary Revenue Survey, Central Provinces. | Officiating Deputy Superintendent, 1st grade. |
| Aug. 17, 1858 | July 1, 1869 | 16 1 15 | Supdt. of Revenue Survey's Office, Calcutta... | { a Exclusive of personal allowance of Rs. 100. { b Commencement of second service. |
| Sept. 1, 1859 | Oct. 1, 1873 | 15 1 0 | 6th or Agra Dist. Reve. Surv., N. W. P. | |
| Ditto | April 1, 1872 | 15 1 0 | 8th or Baitool District and Ahiri Zemindary Revenue Survey, Central Provinces. | |
| Oct. 18, 1859 | Nov. 1, 1872 | 14 10 2 | 11th or 2nd Deccan Topogl. Survey, Bombay Presidency. | Absent without leave, from 20th Jan. to 28th Feb. 1861. |
| Oct. 21, 1859 | Nov. 6, 1868 | ... | 12th or Midnapoor Dist. Reve. Surv., Bengal. | |
| Jan. 1, 1860 | Nov. 5, 1871 | 14 9 0 | 7th or Humeerpoor Dist. Reve. Surv., N. W. P. | Apprentice, from 1st Jan. 1860 to 4th Nov. 1862. |
| July 24, 1860 | April 1, 1872 | 14 2 8 | 11th or 2nd Deccan Topogl. Survey, Bombay Presidency. | |
| Sept. 1, 1860 | Oct. 1, 1872 | 14 1 0 | 1st or Dera Ismail Khan District Revenue Survey, Punjab. | Copyist, from 1st to 30th September 1860. |
| Oct. 1, 1860 | April 1, 1874 | 14 0 0 | No. 2 Topogl. Party Khandesh and Bombay Native States Survey. | |
| Ditto | Oct. 1, 1871 | 14 0 0 | No. 3 or Central Provinces and Vizagapatam Agency Topogl. Survey. | |
| Ditto | Ditto | 17 10 28 | Ditto ditto | |
| Ditto | April 1, 1872 | 14 0 0 | No. 1 or Gwalior and C. I. Topogl. Survey. | Including service as Sub-Surveyor, from 3rd November 1859 to 30th September 1860. |
| Oct. 6, 1860 | Ditto | 13 11 21 | 2nd or Gurgaon Dist. Reve. Surv., Punjab | |
| Ditto | Ditto | 13 11 26 | 9th or Bilaspur Dist. and Abiri Zemindary Revenue Survey, C. P. | Overstayed privilege leave by five days, in June 1869. |
| Oct. 8, 1860 | April 20, 1871 | ... | 5th or Muttra and Banda Districts Revenue Survey, N. W. P. | |
| Dec. 19, 1860 | April 1, 1866 | ... | 13th or Goalpara and Durrung Dist. Reve. Survey, Assam. | Officiating Deputy Superintendent, 2nd grade. |
| Jan. 1, 1861 | April 1, 1872 | 13 9 0 | 15th or Bhawalpoor State Rev. Surv., Punjab. | |
| May 1, 1861 | Oct. 1, 1873 | 13 4 27 | 3rd or Bhawalpoor State Reve. Surv., Punjab. | Absent without leave three days, in January 1866. |
| Aug. 13, 1861 | April 1, 1872 | 13 1 19 | No. 7 or Rajpootana and Simla Topogl. Surv. | |
| Nov. 1, 1861 | April 1, 1874 | 12 11 0 | No. 2 or Khandesh and Bombay Native States Topographical Survey. | |
| Jan. 17, 1862 | July 26, 1867 | ... | 10th or 1st Deccan Topogl. Survey, Bombay Presidency. | Officiating in the 2nd grade. |
| Jan. 28, 1862 | April 1, 1870 | ... | ... | { M. C. leave to Eur. for 18 months, from 27th March 1873. { Extension for 6, vide Gazette of India part 1, page 497, dated 28th September 1874. { Offg. Depy. Supdt., 1st grade, vice Col. Saxton, on furlough. |
| June 27, 1862 | Ditto | ... | 4th or Moradabad Dist. Reve. Surv., N. W. P. | |
| July 2, 1862 | Oct. 26, 1870 | ... | No. 7 or Rajpootana and Simla Topogl. Surv. | |
| Aug. 28, 1862 | Oct. 1, 1867 | ... | No. 5 or Bhopal and Malwa Topogl. Surv. | |
| Oct. 10, 1862 | April 1, 1870 | ... | 11th or 2nd Deccan Topogl. Survey, Bombay Presidency. | Officiating Deputy Supdt., 2nd grade, vice Major Godwin-Austen, on furlough. On privilege leave for 3 months, from 15th September 1874. |
| Oct. 16, 1862 | Oct. 16, 1871 | 11 11 7 | 7th or Humeerpoor Dist. Reve. Surv., N. W. P. | Absent without leave three days, and on sick leave for two days, in October 1866. |
| Nov. 13, 1862 | Nov. 13, 1871 | 11 10 18 | 4th or Moradabad Dist. Reve. Surv., N. W. P. | Sick leave for four days in December 1866. |
| Nov. 18, 1862 | Dec. 30, 1868 | 11 9 13 | 7th or Humeerpoor Dist. Reve. Surv., N. W. P. | Ditto, from 11th to 18th December 1866. |
| Ditto | May 1, 1873 | 11 10 13 | 10th or 1st Deccan Topogl. Survey, Bombay Presidency. | Sick leave for one month, from 20th June 1869. |
| Ditto | Jan. 1, 1871 | 10 9 24 | ... | Sick leave, from 10th February to 30th April 1871. |
| Dec. 30, 1862 | Dec. 30, 1866 | ... | 3rd or Bhawalpoor State Revenue Survey | Ditto, from 1st September 1873. |
| April 27, 1863 | April 27, 1867 | ... | 2nd or Gurgaon Dist. Reve. Survey, Punjab | Officiating Deputy Supdt., 3rd grade. |
| May 1, 1863 | Dec. 15, 1871 | 11 5 0 | 13th or Goalpara and Durrung Dist. Reve. Surv. | Ditto ditto |
| May 16, 1863 | Jan. 4, 1874 | 11 3 22 | 12th or Midnapoor Dist. Reve. Surv., Bengal... | |
| July 1, 1863 | April 1, 1873 | 10 6 27 | No. 6 or Khansi and Garo Hills Topogl. Surv. | Sick leave, from 8th to 31st October 1873. |
| Aug. 1, 1863 | Aug. 11, 1873 | 10 3 0 | No. 2 or Khandesh and Bombay Native States Topogl. Survey. | (c) Exclusive of 16 months' leave on medical certificate to Europe, from 23rd Sept. 1867 to 23rd Dec. 1868. |
| Aug. 3, 1863 | Oct. 1, 1871 | 6 10 24 | No. 5 or Bhopal and Malwa Topogl. Surv. | Service reckoned under new rules. |
| Ditto | Aug. 3, 1869 | 5 11 15 | ... | Temporarily transferred to Cooh Bohar Khasrah Survey from 1st June 1871. |
| Ditto | Aug. 3, 1872 | 7 7 8 | 9th or Bilaspur Dist. and Abiri Zemindary Reve. Surv., Central Provinces. | Private affairs' leave, from 8th Sept. to 30th Oct. 1870. |
| Aug. 10, 1863 | April 1, 1874 | 6 4 0 | No. 3 or Central Provinces and Vizagapatam Agency, Topogl. Survey. | |
| Sept. 9, 1863 | Oct. 1, 1871 | 5 0 18 | No. 1 or Gwalior and C. I. Topogl. Survey. | |
| Sept. 26, 1863 | Dec. 1, 1867 | ... | Ditto ditto | |
| Oct. 1, 1863 | Oct. 1, 1872 | 7 3 0 | 6th or Agra Dist. Reve. Surv., N. W. P. | Officiating Deputy Superintendent, 2nd grade, vice Captain George Strahan, promoted. |
| Oct. 22, 1863 | June 29, 1871 | 10 11 10 | 10th or 1st Deccan Topogl. Survey, Bombay Presidency. | |
| Nov. 1, 1863 | Oct. 1, 1871 | 7 2 19 | No. 7 or Rajpootana and Simla Topogl. Surv. | |
| Dec. 15, 1863 | June 4, 1873 | 6 10 4 | 2nd or Gurgaon District Revenue Survey, Punjab | Absent without leave one day, and on sick leave for four days in October 1865. |
| Dec. 17, 1863 | Jan. 25, 1868 | ... | 14th or Lukhimpur Dist. Reve. Surv., Assam. | |
| Dec. 27, 1863 | Jan. 1, 1872 | 10 9 4 | 12th or Midnapoor Dist. Reve. Surv., Bengal. | Overstayed privilege leave by one day in August 1874. |
| Jan. 1, 1864 | Mar. 1, 1871 | 3 3 4 | 7th or Humeerpoor Dist. Reve. Surv., N. W. P. | Office Asst., from 1st Jan. 1864 to 28th Feb. 1871. |
| Ditto | May 27, 1874 | 5 3 17 | 1st or Dera Ismail Khan Dist. Reve. Surv., Punjab. | Apprentice, from 1st January to 31st December 1864. |

Section 61 (b), New Pension Code, for all appointments prior to 8th June 1863.

General List of the Officers of the Topographical and Revenue

Survey Departments on the 1st October 1874—continued.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-------------------------|---------------------------------|-----------------------|----------|-------------------------------|-----------|-----------|
| Genl. Seniority Number. | NAMES. | Passed in Vernacular. | Age. | Rank. | Grade. | Salary. |
| | | | | | | Rs. A. P. |
| | | | Y. M. D. | | | |
| 91 | Mr. D. A. King | ... | 27 11 11 | Asst. Revenue Surveyor | 1st grade | 250 0 0 |
| 92 | " A. Chennell | ... | 27 10 1 | Asst. Topographical Surveyor | Ditto | 250 0 0 |
| 93 | " A. James | ... | 27 10 12 | Ditto | Ditto | 250 0 0 |
| 94 | " C. Tapsell | ... | 29 10 17 | Ditto | Ditto | 250 0 0 |
| 95 | " E. J. Jackson | L. S. | 30 9 15 | Asst. Supdt., Revenue Survey | 2nd grade | 450 0 0 |
| 96 | " W. Stotesbury | ... | 27 2 6 | Asst. Topographical Surveyor | 1st grade | 250 0 0 |
| 97 | " F. Kitchen | ... | 28 6 7 | Ditto | Ditto | 250 0 0 |
| 98 | Captain J. E. Sandeman, s. c. | P. H. | 31 0 29 | Asst. Supdt., Revenue Survey | Ditto | 750 0 0 |
| 99 | Mr. C. W. F. Seyers | ... | 31 2 0 | Asst. Revenue Surveyor | 3rd grade | 160 0 0 |
| 100 | " E. W. Lincoln | ... | 26 3 13 | Ditto | 1st grade | 250 0 0 |
| 101 | " J. Connor | ... | 27 1 9 | Ditto | 2nd grade | 200 0 0 |
| 102 | " T. H. Dunne | ... | 26 9 20 | Ditto | Ditto | 200 0 0 |
| 103 | " W. J. Lane | ... | 27 4 20 | Ditto | Ditto | 200 0 0 |
| 104 | " E. A. Wainright | ... | 26 3 13 | Asst. Topographical Surveyor | Ditto | 200 0 0 |
| 105 | Captain W. F. Badgley, s. c. | P. H. | 36 10 21 | Asst. Supdt., Topogl. Survey | 1st grade | 974 1 6 |
| 106 | Mr. J. A. Barker | ... | 25 5 18 | Asst. Topographical Surveyor | 2nd grade | 200 0 0 |
| 107 | " G. B. Youngs | ... | 26 9 7 | Asst. Revenue Surveyor | 3rd grade | 160 0 0 |
| 108 | " T. Patterson | ... | 26 3 13 | Ditto | 2nd grade | 200 0 0 |
| 109 | Captain H. Lees Smith, s. c. | P. H. | 35 7 3 | Asst. Supdt., Revenue Survey | Ditto | 750 0 0 |
| 110 | Mr. R. C. D. Ewing | L. S. | 26 4 5 | Asst. Revenue Surveyor | Ditto | 200 0 0 |
| 111 | Lieutenant T. H. Holdich, R. E. | L. S. | 31 7 17 | Asst. Supdt., Topogl. Survey | 1st grade | 740 0 0 |
| 112 | Captain J. Waterhouse, s. c. | P. H. | 32 2 8 | Asst. Surveyor General | 3rd | 750 0 0 |
| 113 | Mr. W. J. Cornelius | ... | 25 6 1 | Asst. Topographical Surveyor | 2nd grade | 200 0 0 |
| 114 | " W. J. Smith | ... | 26 3 4 | Asst. Revenue Surveyor | Ditto | 200 0 0 |
| 115 | " W. F. Pettigrew | ... | 30 1 18 | Asst. Topographical Surveyor | Ditto | 200 0 0 |
| 116 | " G. W. Jarbo | ... | 27 1 0 | Asst. Revenue Surveyor | Ditto | 200 0 0 |
| 117 | " G. H. Cooke | L. S. | 29 10 16 | Asst. Supdt., Revenue Survey | 3rd grade | 450 0 0 |
| 118 | Capt. S. H. Cowan, s. c. | P. H. | 33 1 1 | Asst. Supdt., Revenue Survey | 2nd grade | 749 1 6 |
| 119 | Mr. J. R. Scott | L. S. | 25 7 12 | Asst. Revenue Surveyor | Ditto | 200 0 0 |
| 120 | " P. J. W. Doran | ... | 25 4 26 | Asst. Topographical Surveyor | Ditto | 200 0 0 |
| 121 | " C. W. Wilson | L. S. | 28 11 7 | Asst. Revenue Surveyor | 3rd grade | 160 0 0 |
| 122 | " J. MacHatton | L. S. | 24 2 29 | Ditto | 2nd grade | 200 0 0 |
| 123 | Capt. H. S. Hutchinson, s. c. | P. H. | 34 6 5 | Asst. Supdt., Revenue Survey | Ditto | 749 1 6 |
| 124 | Mr. W. W. McNair | ... | 24 0 18 | Asst. Topographical Surveyor | Ditto | 200 0 0 |
| 125 | " E. J. Martin | ... | 23 8 0 | Asst. Revenue Surveyor | 3rd grade | 160 0 0 |
| 126 | " H. T. Kitchen | ... | 26 3 23 | Asst. Topographical Surveyor | 2nd grade | 200 0 0 |
| 127 | " A. Cooper | ... | 33 11 4 | Ditto | Ditto | 200 0 0 |
| 128 | " J. H. Wilson | ... | 28 2 23 | Ditto | Ditto | 200 0 0 |
| 129 | " W. H. Lilley | ... | 25 9 28 | Ditto | 3rd grade | 200 0 0 |
| 130 | " S. O. Madras | ... | 24 2 1 | Asst. Revenue Surveyor | 3rd grade | 624 1 6 |
| 131 | Captain R. Beavan, s. c. | P. H. | 30 0 26 | Asst. Supdt., Revenue Survey | 3rd grade | 624 1 6 |
| 132 | Mr. T. F. Freeman | L. S. | 23 7 12 | Asst. Revenue Surveyor | 2nd grade | 200 0 0 |
| 133 | " J. O'Toole | ... | 23 8 7 | Ditto | 3rd grade | 160 0 0 |
| 134 | " G. C. Swiney | ... | 25 3 19 | Ditto | Ditto | 160 0 0 |
| 135 | " A. C. W. LeMarchand | ... | 23 11 0 | Ditto | Ditto | 160 0 0 |
| 136 | " J. Murphy | ... | 22 3 4 | Proby. Asst. Revenue Surveyor | 4th grade | 120 0 0 |
| 137 | " W. D. Corbett | ... | 24 4 15 | Asst. Revenue Surveyor | 3rd grade | 160 0 0 |
| 138 | " J. S. Swiney | ... | 23 9 27 | Ditto | Ditto | 160 0 0 |
| 139 | Captain E. H. Steel, s. c. | H. S. | 33 5 11 | Asst. Supdt., Revenue Survey | Ditto | 624 1 6 |
| 140 | Mr. G. L. R. Scott | L. S. | 23 5 0 | Asst. Revenue Surveyor | Ditto | 160 0 0 |
| 141 | " W. J. Lincoln | L. S. | 23 1 7 | Ditto | Ditto | 160 0 0 |
| 142 | " B. Anderson | ... | 23 5 0 | Ditto | Ditto | 160 0 0 |
| 143 | " T. Shaw | L. S. | 21 11 0 | Ditto | Ditto | 160 0 0 |
| 144 | " H. E. Gastrell | L. S. | 25 7 23 | Asst. Supdt., Revenue Survey | Ditto | 450 0 0 |

| 8 | 9 | 10 | 11 | 12 |
|--|---------------------------------------|--|---|--|
| Date of first appointment to Department. | Date of appointment to present grade. | Period of service counting for pension on 1st Oct. 1874. | Present Post. | REMARKS. |
| | | Y. M. D. | | |
| April 12, 1864 | Jan. 1, 1874 | 5 11 11 | 7th or Humeerpoor Dist. Reve. Surv., N. W. P. | Apprentice, from 12th April to 30th June 1864. |
| May 1, 1864 | Oct. 1, 1872 | 5 10 1 | No. 6 or Khasi and Garo Hills Topogl. Surv. | |
| June 15, 1864 | Sept. 1, 1873 | 5 10 12 | No. 4 or N. E. Divn., C. P. Topogl. Survey. | |
| Aug. 2, 1864 | Oct. 1, 1872 | 7 10 17 | No. 7 or Rajpootana and Simla Topogl. Surv. | |
| Sept. 28, 1864 | Nov. 5, 1868 | 7 1 20 | 14th or Lakhimpur District Revenue Survey, Assam. | Sick leave, from 4th July to 3rd August 1867. Ditto, from 10th August to 30th November 1867. Europe, medical certificate, from 30th July 1871 to 10th November 1872. |
| Oct. 1, 1864 | April 1, 1874 | 5 2 6 | No. 7 or Rajpootana & Simla Topogl. Survey. | |
| Oct. 4, 1864 | Ditto | 6 6 7 | Ditto | |
| Oct. 6, 1864 | Oct. 6, 1868 | ... | 13th or Goalpara and Durrung Districts Revenue Survey, Assam. | |
| Dec. 1, 1864 | Oct. 1, 1871 | 9 2 0 | 8th or Baitool District and Ahiri Zemindary Reve. Surv., C. P. | |
| Feb. 15, 1865 | July 8, 1874 | 4 3 7 | 13th or Goalpara and Durrung Districts Revenue Survey, Assam. | Overstayed privilege leave by six days in December 1871. |
| Ditto | Feb. 15, 1871 | 5 1 9 | Supdt. of Revenue Survey's Office, Calcutta. | |
| Ditto | Ditto | 4 9 9 | Ditto | Absent without leave one day, and on sick leave for ten days in October 1865. |
| Mar. 1, 1865 | April 24, 1871 | 5 0 11 | 9th or Bilaspur District and Ahiri Zemindary Revenue Survey, Central Provinces. | Sick leave, from 18th May to 9th July 1866. Ditto, 7th August to 23rd October 1866. |
| May 1, 1865 | Oct. 1, 1871 | 4 3 13 | No. 5 or Bhopal and Malwa Topogl. Survey. | |
| May 3, 1865 | May 8, 1868 | ... | In charge, No. 6 or Khasi and Garo Hills Topographical Survey. | Offg. Depy. Supdt., 3rd grade, vice Capt. Riddell, promoted. |
| Sept. 18, 1865 | Oct. 1, 1871 | 3 5 18 | No. 4 or N. E. Divn., C. P. Topogl. Surv. | |
| Jan. 1, 1866 | Nov. 1, 1869 | 4 9 1 | 8th or Baitool District and Ahiri Zemindary Revenue Survey, C. P. | Overstayed privilege leave by four days in October 1865. Absent without leave two days in July 1872. |
| Mar. 6, 1866 | Jan. 1, 1872 | 3 3 13 | 4th or Moradabad Dist. Reve. Surv., N. W. P. | Private affairs' leave to Europe, without pay, for 1 year, from 15th July 1870. |
| Mar. 26, 1866 | June 18, 1870 | ... | 4th or Moradabad Dist. Reve. Surv., N. W. P. | Officiating in 1st grade. |
| June 9, 1866 | Sept. 9, 1872 | 4 4 5 | 14th or Lakhimpur District Revenue Survey, Assam. | |
| July 23, 1866 | Dec. 15, 1868 | ... | In charge, No. 3 or C. P. and Vizagapatam Agency Topogl. Survey. | Officiating Depy. Supdt., 3rd grade. |
| Ditto | June 17, 1870 | ... | In charge, Lithographic and Photographic Branches, Head Quarters. | Rs. 200 local allowance. |
| Aug. 15, 1866 | Oct. 1, 1872 | 3 6 1 | No. 1 or Gwalior and C. I. Topogl. Survey. | |
| Sept. 1, 1866 | May 27, 1874 | 4 3 4 | 1st or Dera Ismail Khan District Revenue Survey, Punjab. | Office Asst., from 1st Sept. 1866 to 31st Mar. 1868. |
| Sept. 12, 1866 | Oct. 1, 1872 | 8 0 19 | No. 3 or C. P. and Vizagapatam Agency Topogl. Survey. | |
| Nov. 1, 1866 | Nov. 1, 1872 | 5 0 15 | 5th or Muttra and Banda Districts Revenue Survey, N. W. Provinces. | Sick leave for 15 days, from 28th May to 9th June 1869. |
| Dec. 6, 1866 | May 10, 1871 | 7 9 26 | 9th or Bilaspur Dist. and Ahiri Zemindary Revenue Survey, Central Provinces. | Officiating in 2nd grade. |
| Jan. 19, 1867 | Mar. 17, 1868 | ... | 3rd or Bhawalpoor State Reve. Surv., Punjab. | Officiating Asst. Superintendent, 1st grade. |
| Ditto | May 1, 1870 | 3 7 12 | 5th or Muttra and Banda Districts Revenue Survey, North-Western Provinces. | |
| Feb. 1, 1867 | April 1, 1873 | 3 4 28 | No. 1 or Gwalior and C. I. Topogl. Survey. | |
| *June 21, 1867 | Oct. 1, 1870 | 6 6 7 | 15th or Bhawalpoor State Reve. Surv., Punjab | * Commencement of second service. Sick leave for 3 months, from 1st March 1869. Ditto for 2 months from 1st August 1869. |
| July 1, 1867 | July 1, 1870 | 2 2 29 | 9th or Bilaspur District and Ahiri Zemindary Revenue Survey, Central Provinces. | |
| Aug. 13, 1867 | Aug. 13, 1868 | ... | 11th or 2nd Deccan Topogl. Survey, Bombay Presidency. | Officiating Assistant Superintendent, 1st grade. |
| Sept. 1, 1867 | Oct. 1, 1872 | 2 0 18 | No. 7 or Rajpootana and Simla Topogl. Surv. | |
| Sept. 16, 1867 | May 27, 1874 | 1 8 0 | 6th or Agra Dist. Reve. Surv., N. W. P. | |
| Nov. 1, 1867 | Nov. 1, 1873 | 4 3 23 | No. 5 or Bhopal and Malwa Topogl. Survey. | Office Asst., from 18th Sept. 1867 to 31st July 1870. |
| Dec. 1, 1867 | April 1, 1874 | 11 8 10 | No. 3 or C. P. and Vizagapatam Agency Topographical Survey. | Service reckoned under old rules. Includes previous service in Pega Survey, from 2nd Jan. 1869 to 30th Nov. 1867. |
| April 1, 1868 | Ditto | 6 2 23 | No. 4 or N. E. Divn., C. P. Topogl. Survey. | |
| May 1, 1868 | May 1, 1871 | 3 9 28 | No. 5 or Bhopal and Malwa Topogl. Survey. | |
| July 6, 1868 | July 6, 1874 | 2 2 1 | 15th or Bhawalpoor State Reve. Surv., Punjab. | |
| July 17, 1868 | Nov. 9, 1869 | ... | 8th or Baitool Dist. and Ahiri Zemindary Revenue Survey, Central Provinces. | Officiating in 2nd grade. |
| Sept. 9, 1868 | Sept. 9, 1874 | 1 7 12 | 14th or Lakhimpur Dist. Reve. Surv., Assam. | |
| Sept. 10, 1868 | Mar. 10, 1872 | 1 8 7 | 13th or Goalpara and Durrung Districts Revenue Survey, Assam. | |
| Sept. 17, 1868 | Sept. 17, 1871 | 3 3 19 | 12th or Midnapoor Dist. Reve. Surv. Bengal. | |
| Nov. 2, 1868 | Nov. 2, 1871 | 1 11 0 | 10th or 1st Deccan Topogl. Survey, Bombay Presidency. | |
| Nov. 22, 1868 | Nov. 1, 1871 | 0 3 4 | 5th or Muttra and Banda Districts Revenue Survey, N. W. P. | Office Asst., from 22nd Nov. 1868 to 31st Oct. 1871. |
| Dec. 1, 1868 | May 30, 1874 | 2 4 15 | 7th or Humeerpoor Dist. Reve. Surv., N. W. P. | |
| Jan. 5, 1869 | Jan. 5, 1872 | 1 9 27 | 6th or Agra Dist. Reve. Surv., N. W. P. | Office Asst., from 1st Dec. 1868 to 31st July 1870. |
| †Jan. 26, 1869 | May 20, 1869 | ... | 1st or Dera Ismail Khan District Revenue Survey, Punjab. | * Commencement of second service. Officiating in 2nd grade. |
| Mar. 1, 1869 | Mar. 1, 1872 | 1 5 0 | 6th or Agra Dist. Reve. Surv., N. W. P. | |
| April 1, 1869 | April 1, 1872 | 1 1 7 | 4th or Moradabad Dist. Reve. Surv., N. W. P. | |
| April 20, 1869 | June 29, 1872 | 1 5 0 | 2nd or Gurgaon Dist. Reve. Surv., Punjab. | |
| April 21, 1869 | May 1, 1873 | Nil | 7th or Humeerpoor Dist. Reve. Surv., N. W. P. | |
| April 26, 1869 | April 26, 1870 | 3 7 23 | 12th or Midnapoor Dist. Reve. Surv., Bengal | † On detached duty, Waste Lands' Survey, Darjeeling. Officiating in 2nd grade. |

General List of the Officers of the Topographical and Revenue

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-------------------------|--------------------------------|-----------------------|----------|--------------------------------|-----------|-----------|
| Genl. Seniority Number. | NAMES. | Passed in Vernacular. | Age. | Rank. | Grade. | Salary. |
| | | | Y. M. D. | | | Rs. A. P. |
| 145 | Mr. W. Robert | ... | 23 7 3 | Asst. Topographical Surveyor | 3rd grade | 160 0 0 |
| 146 | " W. H. Penrose | ... | 23 0 9 | Asst. Revenue Surveyor | Ditto | 160 0 0 |
| 147 | Captain J. R. Wilmer, s. c. | H. S. | 33 8 12 | Asst. Supdt., Topogl. Survey | 2nd grade | 750 0 0 |
| 148 | Mr. F. E. Warde | ... | 23 0 24 | Asst. Topographical Surveyor | 3rd grade | 160 0 0 |
| 149 | " C. T. Templeton | ... | 22 0 27 | Ditto ditto | Ditto | 160 0 0 |
| 150 | " A. D. Smart | ... | 24 8 3 | Revenue Surveyor | Ditto | 350 0 0 |
| 151 | " G. E. Parker | ... | 44 0 2 | Asst. Revenue Surveyor | Ditto | 160 0 0 |
| 152 | " J. McCay | ... | 20 11 23 | Asst. Topographical Surveyor | Ditto | 160 0 0 |
| 153 | Captain L. Wavell, s. c. | P. H. | 32 10 16 | Asst. Supdt., Revenue Surveyor | Ditto | 624 1 6 |
| 154 | Lieut. G. W. Martin, s. c. | H. S. | 27 4 17 | Ditto ditto | Ditto | 500 0 0 |
| 155 | Mr. P. S. Ross | ... | 19 9 0 | Proby. Asst. Revenue Surveyor | 4th grade | 120 0 0 |
| 156 | Lieut. R. G. Woodthorpe, s. c. | L. S. | 30 0 8 | Asst. Supdt., Topogl. Survey | 3rd grade | 570 0 0 |
| 157 | Mr. P. E. Heberlet | ... | 20 2 16 | Proby. Asst. Revenue Surveyor | 4th grade | 120 0 0 |
| 158 | Lieut. E. P. Leach | ... | 27 5 29 | Asst. Supdt., Topogl. Survey | 3rd grade | 570 0 0 |
| 159 | Mr. C. W. J. Ford | ... | 21 6 21 | Proby. Asst. Revenue Surveyor | 4th grade | 120 0 0 |
| 160 | " W. C. G. Barclay | ... | 22 11 10 | Asst. Topographical Surveyor | 3rd grade | 160 0 0 |
| 161 | " A. W. Smart | ... | 23 7 16 | Proby. Asst. Revenue Surveyor | 4th grade | 120 0 0 |
| 162 | Lieut. A. J. C. Scott, s. c. | H. S. | 26 1 23 | Asst. Supdt., Revenue Surveyor | 3rd grade | 120 0 0 |
| 163 | Mr. B. M. Wilson | ... | 26 5 17 | Proby. Asst. Revenue Surveyor | 4th grade | 120 0 0 |
| 164 | " H. G. Young | H. S. | 23 5 19 | Ditto ditto | Ditto | 120 0 0 |
| 165 | " R. R. Dickinson | ... | 23 2 6 | Ditto ditto | Ditto | 120 0 0 |
| 166 | " G. Vander Beek | ... | 25 0 15 | Asst. Topographical Surveyor | Ditto | 120 0 0 |
| 167 | " G. H. O'Donel | ... | 27 2 3 | Proby. Asst. Revenue Surveyor | Ditto | 120 0 0 |
| 168 | " W. M. Kelly | ... | 20 1 25 | Asst. Topographical Surveyor | Ditto | 120 0 0 |
| 169 | " J. Murray | ... | 22 1 16 | Ditto ditto | Ditto | 120 0 0 |
| 170 | " A. Kitchen | ... | 21 8 5 | Ditto ditto | Ditto | 120 0 0 |
| 171 | " P. White | ... | 23 11 8 | Ditto ditto | Ditto | 120 0 0 |
| 172 | " E. P. S. Hill | ... | 20 3 17 | Proby. Asst. Revenue Surveyor | Ditto | 120 0 0 |
| 173 | " E. H. S. Gaspar | ... | 20 10 16 | Ditto ditto | Ditto | 120 0 0 |
| 174 | " H. C. Bradley | ... | 22 10 10 | Ditto ditto | Ditto | 120 0 0 |
| 175 | " T. Anderson | ... | 21 3 6 | Ditto ditto | Ditto | 120 0 0 |
| 176 | " E. B. M. Drew | ... | 20 5 10 | Ditto ditto | Ditto | 120 0 0 |
| 177 | " T. Downes | ... | 21 8 22 | Ditto ditto | Ditto | 120 0 0 |
| 178 | " E. Graham | ... | 20 11 0 | Ditto ditto | Ditto | 120 0 0 |
| 179 | " G. L. Fleming | ... | 20 6 0 | Ditto ditto | Ditto | 120 0 0 |
| 180 | " G. R. Copping | ... | ... | Ditto ditto | Ditto | 120 0 0 |
| 181 | " G. A. Knight | ... | ... | Ditto ditto | Ditto | 120 0 0 |
| 182 | " P. A. Peters | ... | 19 9 23 | Ditto ditto | Ditto | 120 0 0 |
| 183 | " H. R. Adels | ... | 24 6 25 | Ditto ditto | Ditto | 120 0 0 |
| 184 | " C. S. Kraal | ... | 21 0 6 | Ditto ditto | Ditto | 500 0 0 |
| 185 | Lieut. J. R. Hobday, s. c. | ... | ... | Asst. Supdt. Topogl. Survey | 3rd grade | 500 0 0 |

Survey Departments on the 1st October 1874—concluded.

| 8 | 9 | 10 | 11 | 12 |
|--|---------------------------------------|--|--|--|
| Date of first appointment to Department. | Date of appointment to present grade. | Period of service counting for pension on 1st Oct. 1874. | Present Post. | REMARKS. |
| | | Y. M. D. | | |
| Aug. 21, 1869 | Oct. 1, 1872 | 1 7 3 | No. 6 or Khasi & Garo Hills Topogl. Surv. | |
| Aug. 11, 1869 | June 4, 1873 | 1 0 9 | 11th or 2nd Deccan Topogl. Survey, Bombay Presidency. | |
| Aug. 24, 1869 | Aug. 28, 1872 | ... | No. 5 or Malwa and Bhopal Topogl. Surv. ... | Officiating in 1st grade. |
| Sept. 1, 1870 | Sept. 1, 1873 | 1 0 24 | No. 7 or Rajpootana and Simla Topogl. Surv. | |
| Ditto | Ditto | 0 0 27 | No. 1 or Gwalior and C. I. Topogl. Surv. | |
| *Oct. 1, 1870 | Oct. 1, 1870 | 4 0 0 | Supdt. of Revenue Surveyor's Office, Calcutta... | * Commencement of second service. |
| Nov. 18, 1870 | July 8, 1874 | 2 8 3 | 12th or Midnapoor Dist. Reve. Surv., Bengal. | |
| Dec. 1, 1870 | Dec. 1, 1873 | Nil | No. 6 or Khasi & Garo Hills Topogl. Surv. | |
| Jan. 27, 1871 | Jan. 27, 1872 | ... | 2nd or Gurgaon Dist. Reve. Surv., Punjab. | |
| Mar. 24, 1871 | Jan. 17, 1873 | ... | 10th or 1st Deccan Topogl. Survey, Bombay Presidency. | |
| April 23, 1871 | Nov. 1, 1872 | Nil | 3rd or Bhawalpoor State Reve. Survey, Punjab | Apprentice from 23rd April 1871 to 31st October 1872. |
| July 14, 1871 | ... | ... | No. 6 or Khasi and Garo Hills Topogl. Surv. | Offg. in 1st grade vice, Capt. Badgley, promtd. |
| Aug. 9, 1871 | Sept. 12, 1872 | Nil | 3rd or Bhawalpoor State Reve. Survey, Punjab | Apprentice from 9th Aug. 1871 to 11th Sept. 1872. |
| Oct. 6, 1871 | ... | ... | No. 7 or Rajpootana Topogl. Survey. | Offg. in 1st grade, vice Lieut. Holdich, promoted. |
| Nov. 1, 1871 | ... | Nil | 4th or Moradabad Dist. Reve. Surv., N. W. P. | |
| Dec. 1, 1871 | Feb. 1, 1874 | 0 11 10 | No. 2 or Khandesh and Bombay Native States Topographical Survey. | |
| Ditto | Jan. 1, 1872 | 1 7 16 | 6th or Agra Dist. Reve. Surv., N. W. P. | Apprentice from 1st to 31st December 1871. |
| Jan. 17, 1872 | Jan. 17, 1873 | ... | ... | Europe, p. a., for 2 years from 14th July 1874. |
| Feb. 1, 1872 | Nov. 15, 1872 | 2 8 0 | 12th or Midnapoor Dist. Reve. Surv., Bengal | Apprentice from 1st February to 14th November 1872. |
| Feb. 16, 1872 | Sept. 1, 1872 | 1 5 19 | 5th or Muttra and Banda Districts Revenue Survey, North-Western Provinces. | |
| April 1, 1872 | April 16, 1873 | 1 2 6 | 10th or 1st Deccan Topogl. Survey, Bombay Presidency. | Apprentice from 1st April 1872 to 16th April 1873. |
| July 1, 1872 | ... | 2 3 0 | No. 3 or Central Provinces and Vizagapatam Agency Topographical Survey. | |
| July 23, 1872 | ... | 1 11 9 | 4th or Moradabad Dist. Reve. Surv., N. W. P. | Commencement of second service. Sick leave for 1 year from 1st April 1874. |
| Oct. 1, 1872 | ... | Nil | No. 1 or Gwalior and Central India Topographical Survey. | |
| Ditto | ... | 0 1 16 | ... | |
| Ditto | ... | Nil | No. 5 or Bhopal and Malwa Topogl. Survey. | |
| Ditto | ... | ... | Ditto ditto. | |
| Ditto | ... | 1 11 8 | No. 7 or Rajpootana and Simla Topogl. Surv. | |
| Nov. 16, 1872 | ... | Nil | 4th or Moradabad Dist. Reve. Surv., N. W. P. | |
| Ditto | ... | Nil | 12th or Midnapoor Dist. Reve. Surv., Bengal. | |
| April 1, 1873 | ... | 0 10 10 | 1st or Dera Ismail Khan Dist. Revenue Survey, Punjab. | |
| April 17, 1873 | ... | Nil | 9th or Bilaspur Dist. and Ahiri Zemindary Revenue Survey, Central Provinces. | |
| May 5, 1873 | ... | Nil | 5th or Muttra and Banda Districts Revenue Survey, North-Western Provinces. | |
| Aug. 11, 1873 | ... | Nil | No. 5 or Bhopal and Malwa Topogl. Survey | Previous service as Sub-Surveyr. from 1st Nov. 1872. |
| Ditto | ... | Nil | No. 2 or Khandesh and Bombay Native States Topographical Survey. | Ditto ditto. |
| Ditto | ... | Nil | No. 4 or N. E. Divn., C. P., Topogl. Survey. | |
| Ditto | ... | Nil | No. 5 or Bhopal and Malwa Topogl. Survey | Previous service as apprentice from 1st October 1872. |
| Ditto | ... | Nil | No. 1 or Gwalior and Central India Topogl. Survey. | |
| Nov. 1, 1873 | ... | Nil | 1st or Dera Ismail Khan District Revenue Survey, Punjab. | |
| Feb. 19, 1874 | ... | 0 7 10 | Supdt. of Reve. Survey Office, Calcutta. | |
| July 24, 1874 | ... | Nil | Ditto ditto. | |
| Sep. 11, 1874 | ... | ... | No. 1 or Gwalior and C. I. Topogl. Survey. | |

Disposition List of Officers of the Surveyor General's Office, Head-Quarters,

| Number of Party. | Where employed. | STRENGTH OF SUBORDINATE ESTABLISHMENT IN ALL GRADES. | | | | | | Annual cost of Party. Rs. |
|------------------|--|--|----------|-----------------------|-----------------|--------------|-------------|------------------------------|
| | | Sub-Surveyors. | Writers. | Flagmen and Carriers. | Native Doctors. | Burkundazes. | Apothecary. | |
| | | No. | No. | No. | No. | No. | No. | |
| | Calcutta—Head Quarters | ... | ... | ... | ... | ... | ... | ..... |
| 1 | Native States, Central India, and Rajpootana Agencies, viz., Gwalior, Tonk, Kotah, Jhalawar, Rajgarh, Kulchur, and Holkar's territory. | 6 | ... | 126 | 1 | 8 | ... | 56,380 |
| 2 | Khandesh and Native States, Bombay Presidency | 8 | 1 | 95 | 1 | 11 | ... | 46,845 |
| 3 | Bustar and Rakapili in the Central Provinces; Panchipenta, Jeypur, Madgul, and Golconda, in the Vizagapatam Agency, and Rampa Zemindary of District Rajamundry in the Madras Presidency. | 4 | 1 | 85 | 1 | 7 | 1 | 60,064 |
| 4 | Districts of Belaspur, Mandla, and Balaghat in the Central Provinces. | 5 | 1 | 122 | 1 | 10 | ... | 55,393 |

Calcutta, and of the Topographical Survey Department, on the 1st October 1874.

| Officer in charge, Surveyors and Assistant Surveyors. | Number in General List. | Rank and Grade. | Date of assuming charge. | REMARKS. |
|---|-------------------------|--|--------------------------|--|
| Col. H. L. Thuillier, F. R. S., C. S. I. | ... | Survr. Genl. of India and Supdt. of Topogl. Surveys. | Mar. 13, 1861. | |
| Capt. W. G. Murray, S. C. | 36 | Assistant Surveyor General | ..... | On furlough to Europe for 2 years from the 14th February 1873. |
| J. O. N. James, Esq. | 3 | Assistant Surveyor General | April 1, 1866 | In charge Cartographic and Engraving Branches. |
| Capt. J. Waterhouse, s. c. | 112 | Assistant Surveyor General | July 23, 1866 | In charge Photographic and Lithographic Branches. |
| Captain Charles Strahan, B. E. (in charge). | 82 | Offg. Deputy Superintendent, 2nd grade | Oct. 13, 1867. | |
| Lieutenant J. R. Hobday, s. c. | 185 | Proby. Asst. Superintendent, 3rd grade. | ..... | On furlough to Europe for 2 years from 3rd November 1873. |
| Mr. H. J. Bolst | 17 | Surveyor, 1st grade | ..... |  |
| " R. D. Farrell | 51 | Ditto, 4th grade. | ..... |  |
| " C. A. R. Scanlan | 81 | Assistant Surveyor, 1st grade. | ..... |  |
| " W. J. Cornelius | 113 | Ditto, 2nd grade. | ..... |  |
| " P. J. W. Doran | 120 | Ditto, ditto. | ..... |  |
| " C. T. Templeton | 149 | Ditto, 3rd grade. | ..... |  |
| " W. M. Kelly | 168 | Ditto, 4th grade. | ..... |  |
| " G. A. Knight | 181 | Proby. Ditto, ditto. | ..... |  |
| F. B. Girdlestone, Esq., (in charge) | 76 | Depy. Supdt., 3rd grade | Dec. 4, 1871. | Officiating in 1st grade. |
| H. Horst, Esq. | 22 | Asst. Supdt., 2nd grade | ..... |  |
| Mr. D. Atkinson | 30 | Surveyor, 2nd grade. | ..... |  |
| " R. W. Chew | 33 | Surveyor, 3rd grade. | ..... |  |
| " A. J. Wilson | 48 | Surveyor, 3rd grade. | ..... |  |
| " A. G. Wyatt | 59 | Asst. Surveyor, 1st grade. | ..... |  |
| " W. C. G. Barckley | 160 | Ditto, 3rd grade. | ..... |  |
| " E. Grabam | 178 | Proby. Ditto, 4th grade. | ..... |  |
| Colonel G. H. Saxton, S. C., (in charge). | 13 | Depy. Supdt., 1st grade | April 1850 | On furlough to Europe for 2 years from 4th February 1874. |
| Lieut. T. H. Holdich, R. E., (Offg. in charge). | 111 | Offg. Ditto, 3rd grade | Dec. 15, 1873. | |
| Mr. J. Harper | 38 | Surveyor, 3rd grade. | ..... |  |
| " J. A. May | 49 | Ditto, 4th grade. | ..... |  |
| " F. Adams | 50 | Ditto, ditto. | ..... |  |
| " T. E. M. Claudius | 80 | Asst. Surveyor, 1st grade. | ..... |  |
| " W. F. Pettigrew | 115 | Ditto, 2nd grade. | ..... |  |
| " A. Cooper | 127 | Ditto, ditto. | ..... |  |
| " G. Vander Beek | 166 | Ditto, 4th grade. | ..... |  |
| Lieut. Colonel G. C. Depree, s. c. (in charge). | 23 | Depy. Supdt., 1st grade | March 1856. | |
| Mr. G. A. McGill | 24 | Offg. Surveyor, 1st grade. | ..... |  |
| " J. A. Vanderputt | 31 | Ditto, 3rd grade. | ..... |  |
| " A. James | 93 | Asst. Surveyor, 1st grade. | ..... |  |
| " J. A. Barker | 106 | Ditto, 2nd grade. | ..... |  |
| " J. H. Wilson | 128 | Ditto, ditto. | ..... |  |
| " G. L. Fleming | 179 | Probationary, 4th grade. | ..... |  |

Disposition List of Officers of the Topographical Survey

| Number of Party. | Where employed. | STRENGTH OF SUBORDINATE ESTABLISHMENT IN ALL GRADES. | | | | | | Annual cost of Party. |
|------------------|---|--|----------|-----------------------|-----------------|--------------|-------------|-----------------------|
| | | Sub-Surveyors. | Writers. | Eleghen and Carriers. | Native Doctors. | Burkundazes. | Apothecary. | |
| | | No. | No. | No. | No. | No. | No. | Rs. |
| 5 | Bhopal, Gwalior, Rajgurb, Nursingurh, Tonk and Mak-sudangurh Native States in the Central India Agency. | 4 | ... | 122 | 1 | 5 | ... | 56,074 |
| 6 | Naga, Garo, Tipperah, and Lushai Hills on the Eastern Frontier of Bengal and in the Manipur State. | 2 | 1 | 79 | 1 | 11 | ... | 61,232 |
| 7 | Meywar, Marwar, Godwar, Shahpura, Mhairwara, and Ajmere in the Rajpootana Agency and Simla. | 3 | 2 | 101 | 1 | ... | ... | 60,613 |

Department of India on the 1st October 1874 —concluded.

| Officer in charge, Surveyors and Assistant Surveyors. | Number in General List. | Rank and Grade. | Date of assuming charge. | REMARKS. |
|---|-------------------------|--|--------------------------|-----------------------|
| Captain J. R. Wilmer, s. c. (in charge). | 147 | Assistant Superintendent 1st grade ... | Sept. 1874. | |
| Mr. C. F. Hamer ... | 77 | Asst. Surveyor, 1st grade. | | |
| " E. A. Wainright ... | 104 | Ditto, 2nd grade. | | |
| " H. T. Kitchen ... | 126 | Ditto, ditto. | | |
| " W. H. Lilley ... | 129 | Ditto, 3rd grade. | | |
| " J. Murray ... | 169 | Ditto, 4th grade. | | |
| " A. Kitchen ... | 170 | Ditto, ditto. | | |
| " T. Downes ... | 177 | Proby. Ditto, ditto. | | |
| " G. R. Copping ... | 180 | Ditto, ditto. | | |
| Major H. H. Godwin-Austen, s. c., (in charge). | 37 | Depty. Supdt., 2nd grade ... | Oct. 15. 1863 | On furlough to Europe |
| Captain W. F. Badgley, s. c., (Ofg. in charge). | 105 | Ofg. Depty. Supdt., 3rd grade. | | |
| Lieut. R. G. Woodthorpe, R. E. ... | 156 | Ofg. Asst. Supdt., 1st grade. | | |
| Mr. M. J. Ogle ... | 75 | Surveyor, 4th grade. | | |
| " A. Chennell ... | 92 | Asst. Surveyor, 1st grade. | | |
| " W. Robert ... | 145 | Ditto, 3rd grade. | | |
| " J. McCay ... | 152 | Ditto, ditto. | | |
| Capt. Geo. Strahan, R.E., (in charge) | 63 | Ofg. Depty. Supdt., 1st grade ... | July 1864 | |
| Lieutenant E. P. Leach, R. E. ... | 158 | Asst. Supdt., 1st grade. | | |
| Mr. E. S. P. Atkinson ... | 58 | Surveyor, 4th grade. | | |
| " R. Todd ... | 85 | Asst. Surveyor, 1st grade. | | |
| " C. Tapsell ... | 94 | Ditto, ditto. | | |
| " F. Kitchen ... | 97 | Ditto, ditto. | | |
| " W. Stotesbury ... | 96 | Ditto, ditto. | | |
| " W. W. McNair ... | 124 | Ditto, 2nd grade. | | |
| " F. E. Warde ... | 148 | Ditto, 3rd grade. | | |
| " P. White ... | 171 | Ditto, 4th grade. | | |

Disposition List of Officers of the Revenue

| Number of Party. | Where employed. | STRENGTH OF SUBORDINATE DEPARTMENT IN ALL GRADES. | | | | | | | Annual cost of Party. Rs. |
|--|--|---|------------------|--------------------|-----------|------------------------|-----------------|--------------|----------------------------------|
| | | Surveyors. | Asst. Surveyors. | Sub-Surveyors, &c. | Levelers. | Chainmen or Measurers. | Native Doctors. | Burkundazes. | |
| | | No. | No. | No. | No. | No. | No. | No. | |
| | Calcutta Head Quarters | 2 | 4 | ... | ... | ... | ... | ... | ... |
| 1st or Dera Ismail Khan District Survey, Punjab. | Dera Ismail Khan District | 2 | 4 | 21 | 2 | 180 | 1 | 12 | Profnl. 71,929 Leveling 4,005 |
| 2nd or Gurgaon Dist. Surv., Punjab | Gurgaon District | 3 | 2 | 38 | ... | 220 | 1 | 22 | 63,007 |
| 3rd or Bhawalpoor State Survey, Punjab. | Bhawalpoor State ... | 2 | 3 | 29 | ... | 213 | 1 | 14 | 57,684 |
| 4th or Moradabad District Survey, N. W. Provinces. | Moradabad District | 1 | 6 | 27 | ... | 158 | 1 | 14 | Profnl. 65,615 Leveling 3,563 |
| 5th or Muttra and Banda Districts Survey, N. W. Provinces. | Muttra and Banda Districts | 1 | 5 | 26 | ... | 211 | ... | 17 | Profnl. 67,865 Leveling 2,596 |
| 6th or Agra District Survey, N. W. Provinces. | Agra District | 1 | 5 | 27 | ... | 238 | 1 | 14 | Profnl. 53,659 Leveling 3,241 |
| 7th or Humeerpoor District Survey, N. W. Provinces. | Humeerpoor District | 1 | 6 | 22 | ... | 179 | 1 | 16 | Profnl. 58,377 Leveling 2,574 |
| 8th or Baitool District and Aberi Zemindaree Survey, C. P. | Baitool District and Aberi Zemindaree. | 3 | 2 | 34 | ... | 200 | 1 | 16 | 67,598 |
| 9th or Bilaspoor District and Aberi Zemindaree Survey, C. P. | Bilaspoor and Aberi Zemindaree | 1 | 4 | 26 | ... | 214 | 1 | 12 | 50,063 |
| 10th or 1st Deccan Topographical Survey, Bombay. | Nasik Collectorate | 1 | 3 | 17 | ... | 80 | 1 | 11 | 53,884 |
| 11th or 2nd Deccan Topographical Survey, Bombay. | Ahmednuggur Collectorate | 2 | 1 | 16 | ... | 160 | ... | 10 | 55,801 |
| 12th or Midnapoor District Survey, Bengal. | Midnapoor District | 2 | 5 | 35 | ... | 300 | 1 | 16 | 61,444 |
| 13th or Goalpara & Durrung Districts Survey, Assam. | Goalpara and Durrung Districts... | 2 | 3 | 23 | ... | 239 | 1 | 8 | 65,213 |
| 14th or Lakhimpur District Survey, Assam. | Lakhimpur District | ... | 2 | 3 | ... | 142 | 1 | 6 | 72,180 |
| 15th or Bhawalpoor State Survey, Punjab. | Bhawalpoor State ... | 1 | 2 | 14 | ... | 96 | 1 | 9 | 32,664 |

Survey Department on the 1st October 1874.

| Officers in charge. | Number in General List. | Rank and Grade. | Date of assuming charge. | REMARKS. |
|-------------------------------------|-------------------------|---|--------------------------------|---|
| Col. J. E. Gastrell, s. c. | 15 | Supdt. of Revenue Surveys, Upper Circle | Mar. 11, 1867 Dec. 11, 1873 | Permitted to retain appointment until 11th Dec. 1876, vide Revenue, Agriculture and Commerce Department Notification No. 838, dated 18th December 1873. On furlough to Europe for 2 years, from 11th April 1874. |
| „ D. C. Vanrenen, R. A. | 5 | Supdt. of Revenue Surveys, Lower Circle | ... | |
| Lieut. Col. J. Macdonald, s. c. | 18 | Deputy Supdt. of Reve. Surv., 1st grade, offg. as Supdt. of Reve. Surv., L. C. | April 26, 1874. | |
| Col. H. C. Johnstone, s. c. | 20 | Depty. Supdt. of Reve. Survey, 1st grade | Oct. 15, 1873. | |
| Captain E. H. Steel, s. c. | 139 | Offg. Asst. Supdt. of Reve. Survey, 2nd grade. | Nov. 15, 1871. | |
| „ W. H. Wilkins, s. c. | 72 | Asst. Supdt. of Reve. Survey, 1st grade, offg. as Depty. Supdt., 3rd grade. | Oct. 21, 1871. | |
| „ L. Wavell, s. c. | 153 | Asst. Supdt. of Reve. Survey, 3rd grade | Nov. 1, 1872. | |
| „ D. C. Andrew, s. c. | 71 | Asst. Supdt. of Reve. Survey, 1st grade, offg. as Depty. Supdt., 3rd grade. | Oct. 26, 1872. | |
| „ S. H. Cowan, s. c. | 118 | Asst. Supdt. of Reve. Survey, offg. in 1st grade. | Aug. 1, 1874. | |
| Lieutenant A. J. C. Scott, S. C. | 162 | ... | ..... | On furlough. |
| Major A. D. Vanrenen, S. C. | 28 | ... | ..... | On furlough. |
| Captain W. Barron, s. c. | 62 | Depty. Supdt. of Reve. Survey, 3rd grade | Nov. 12, 1873. | |
| „ H. L. Smith, s. c. | 109 | Offg. Asst. Supdt. of Reve. Survey, 1st grade. | July 20, 1873. | |
| Lieut. Col. F. C. Anderson, s. c. | 19 | Depty. Supdt. of Reve. Survey, 1st grade | Nov. 1, 1871. | |
| Captain W. J. Stewart, s. c. | 54 | Asst. Supdt. of Reve. Survey, 1st grade | Nov. 24, 1871 | |
| E. T. S. Johnson, Esq. | 11 | Depty. Supdt. of Reve. Surv., 3rd grade | Oct. 1, 1872. | |
| H. B. Talbot, Esq. | 12 | Offg. Asst. Supdt. of Revenue Survey, 1st grade. | Jan. 1, 1873. | |
| R. B. Smart, Esq. | 4 | Depty. Supdt. of Reve. Surv., 2nd grade | Sept. 19, 1872. | |
| E. C. Barrett, Esq. | 68 | Asst. Supdt. of Reve. Survey, 2nd grade | Oct. 1, 1872. | |
| Lieut. Col. R. E. Oakes, s. c. | 39 | Depty. Supdt. of Reve. Surv., 2nd grade, offg. in 1st grade. | Nov. 1, 1872. | |
| Captain R. Beavan, s. c. | 131 | Offg. Asst. Supdt. of Revenue Survey, 2nd grade. | Nov. 29, 1872. | |
| W. Lane, Esq. | 1 | Depty. Supdt. of Reve. Survey, 2nd grade | Nov. 16, 1872. | |
| G. H. Cooke, Esq. | 117 | Offg. Asst. Supdt. of Revenue Survey, 2nd grade. | Dec. 1, 1873. | |
| Captain F. Coddington, s. c. | 60 | Deputy Supdt. of Revenue Survey, 3rd grade, offg. in 2nd grade. | Nov. 1, 1871. | |
| Lieut. G. W. Martin, s. c. | 154 | Asst. Supdt. of Reve. Survey, 3rd grade | Feb. 1, 1873. | |
| Major H. C. B. Tanner, s. c. | 65 | Depty. Supdt. of Reve. Survey, 3rd grade | Aug. 29, 1872. | |
| Captain H. S. Hutchinson, s. c. | 123 | Asst. Supdt. of Reve. Survey, 2nd grade, offg. in 1st grade. | Oct. 1, 1872. | |
| Major J. Sconce, s. c. | 44 | Depty. Supdt. of Reve. Survey, 2nd grade | Dec. 6, 1873. | |
| H. E. Gastrell, Esq. | 144 | Offg. Asst. Supdt. of Revenue Survey, 2nd grade. | Nov. 1, 1871 | On detached duty, Darjeeling Waste Lands Survey. |
| Major D. Macdonald, s. c. | 55 | Depty. Supdt. of Reve. Survey, 3rd grade, offg. in 2nd grade. | Feb. 19, 1874. | |
| Captain J. E. Sandeman, s. c. | 98 | Asst. Supdt. of Reve. Survey, 1st grade | Jan. 8, 1874. | |
| „ J. H. W. Osborne, late 44th N. I. | 61 | ... | ..... | On furlough. |
| Captain E. W. Samuells, s. c. | 87 | Asst. Supdt. of Reve. Survey, 1st grade | Feb. 14, 1873. | |
| E. J. Jackson, Esq. | 95 | Ditto ditto, 2nd grade | Dec. 1, 1872. | |
| J. Campbell, Esq. | 2 | Asst. Supdt. of Reve. Surv., 1st grade, offg. as Depty. Supdt. of Reve. Surv., 3rd grade. | Oct. 1, 1872. | |

Classified List of Officers of the Great Trigonometrical

| No. of Officers in each grade. | NAMES. | Substantive Appointment. | Survey Party to which at present attached. |
|---|--|-------------------------------------|--|
| SUPERINTENDENT. | | | |
| <i>Consolidated salary, Rs. 2,500.</i> | | | |
| 1 | Colonel J. T. Walker, Royal Engineers | Superintendent | ... |
| SENIOR BRANCH. | | | |
| DEPUTY SUPERINTENDENTS. | | | |
| <i>1st Grade—Consolidated salary, Rs. 1,600.</i> | | | |
| 1 | Lieut. Col. T. G. Montgomerie, Royal Engineers | Deputy Superintendent, 1st grade... | ... |
| 2 | Mr. J. B. N. Hennessey | Ditto | Computing Office, Head-Quarters |
| <i>2nd Grade—Consolidated salary, Rs. 1,300.</i> | | | |
| 1 | Captain H. R. Thuillier, Royal Engineers | Deputy Superintendent, 2nd grade | Kumaon and Gurhwal Survey |
| 2 | Major C. T. Haig, Royal Engineers | Ditto | Guzerat Survey |
| 3 | Captain J. Herschel, Royal Engineers | Ditto | ... |
| 4 | Major B. R. Branfill, Bengal Cavalry | Ditto | Madras Party |
| <i>3rd Grade—Consolidated salary, Rs. 1,000.</i> | | | |
| 1 | Captain T. T. Carter, Royal Engineers | Deputy Superintendent, 3rd grade | ... |
| 2 | Mr. Henry Keelan | Ditto | Head-Quarters |
| 3 | Captain W. M. Campbell, Royal Engineers | Ditto | No. 2 Astronomical Party |
| 4 | Henry Trotter, Royal Engineers | Ditto | ... |
| 5 | Mr. W. C. Rossenrode | Ditto | Eastern Frontier Series |
| 6 | Captain W. J. Heaviside, Royal Engineers | Ditto | Pendulum Party |
| ASSISTANT SUPERINTENDENTS. | | | |
| <i>1st Grade—Consolidated salary, Rs. 750.</i> | | | |
| 1 | Captain A. Pullan (Staff Corps) | Asst. Superintendent, 1st grade | Kattywar Survey |
| 2 | Mr. M. W. Rogers, Royal Engineers | Ditto | Jodhpore Series |
| 3 | J. Hill, Royal Engineers | Ditto | Ditto |
| 4 | Mr. W. H. Cole, M. A. | Ditto | Computing Office |
| <i>2nd Grade—Consolidated salary, Rs. 600.</i> | | | |
| 1 | Captain A. Baird, Royal Engineers | Asst. Superintendent, 2nd grade | Bombay Tidal and Leveling Party |
| 2 | J. R. McCullagh, Royal Engineers | Ditto | Madras Party |
| 3 | Mr. J. McGill | Ditto | Kattywar Party |
| 4 | W. G. Beverley | Ditto | Burma Party |
| <i>3rd Grade—Consolidated salary, Rs. 500; for Civil Officers, Rs. 400.</i> | | | |
| 1 | Lieutenant H. J. Harman, Royal Engineers | Asst. Superintendent, 3rd grade | Assam Survey |
| 2 | Mr. E. C. Ryall | Ditto | Kumaon and Gurhwal Survey |
| 3 | Lieutenant St. G. C. Gore, R. E. | Ditto | Ditto |
| 4 | J. E. Gibbs, R. E. | Ditto | Guzerat Survey |
| JUNIOR BRANCH | | | |
| SURVEYORS. | | | |
| <i>1st Grade—Salary Rs. 500.</i> | | | |
| 1 | Mr. Harry Duhan | Surveyor, 1st grade | Corresponding Office |
| 2 | H. Beverley | Ditto | Eastern Frontier Series |
| 3 | J. Peyton | Ditto | Guzerat Survey |
| 4 | Vacant. | | |
| <i>2nd Grade—Salary Rs. 400.</i> | | | |
| 1 | Mr. C. J. Neuville | Surveyor, 2nd grade | Kumaon and Gurhwal Survey |
| 2 | L. H. Clarke | Ditto | Brahmaputra Party |
| 3 | A. D'Souza | Ditto | Guzerat Survey |
| 4 | W. Todd | Ditto | Computing Office |
| <i>3rd Grade—Salary Rs. 350.</i> | | | |
| 1 | Mr. J. Low | Surveyor, 3rd grade | Kumaon and Gurhwal Survey |
| 2 | C. Wood | Ditto | Computing Office |
| 3 | H. E. T. Keelan | Ditto | Pendulum Party |
| 4 | F. Bell | Ditto | Kattywar Party |
| 5 | G. Atkinson | Ditto | Drawing Office |
| 6 | Vacant. | | |

Survey Department as it stood on the 1st October 1874.

| SALARIES, INCLUDING ALLOWANCES. | | | REMARKS. |
|--|----------------------|------------|--|
| Net Military Pay of Royal Engineer Officers. | Consolidated Salary. | TOTAL. | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| | | 2,565 5 0 | Draws Rs. 65-5 as a personal allowance. |
| | | 1,300 0 0 | On furlough. |
| | | 1,333 10 0 | Officiating Deputy Superintendent, 1st grade. |
| | | 1,233 10 0 | On furlough. |
| | | 1,223 0 0 | On furlough. |
| | | 1,163 10 0 | Officiating Deputy Superintendent, 2nd grade. |
| | | 1,000 0 0 | Ditto ditto. |
| | | 900 0 0 | On duty in England. |
| | | 900 0 0 | Deputed to Yarkand. |
| | | 1,033 10 0 | Employed on Pendulum operations in England. |
| | | 974 1 0 | Officiating Deputy Superintendent, 3rd grade. |
| | | 865 12 0 | On furlough. |
| | | 800 0 0 | Officiating Deputy Superintendent, 3rd grade. |
| | | 800 0 0 | Ditto ditto. |
| | | 865 12 0 | Officiating Deputy Superintendent, 3rd grade. |
| | | 600 0 0 | On furlough. |
| | | 600 0 0 | Officiating Assistant Superintendent, 1st grade. |
| | | 600 0 0 | Ditto ditto. |
| | | 740 12 0 | Offg. Asst. Supdt., 1st grade. |
| | | 600 0 0 | Ditto ditto. |
| 70 0 0 | 600 0 0 | 670 0 0 | Ditto 2nd grade. |
| 70 0 0 | 600 0 0 | 670 0 0 | Ditto ditto. |
| | | 500 0 0 | Personal Assistant to Superintendent. |
| | | 500 0 0 | |
| | | 500 0 0 | |
| | | 400 0 0 | |
| | | 400 0 0 | |
| | | 400 0 0 | |
| | | 400 0 0 | |
| | | 350 0 0 | |
| | | 350 0 0 | |
| | | 360 0 0 | |
| | | 350 0 0 | Employed on Pendulum operations in England. |
| | | 350 0 0 | |

Classified List of Officers of the Great Trigonometrical

Survey as it stood on the 1st October 1874—concluded.

| No. of Officers in each grade. | NAMES. | Substantive Appointment. | Survey Party to which at present attached. |
|--------------------------------|--------------------|---------------------------|--|
| SURVEYORS—contd. | | | |
| 4th Grade—Salary Rs 300. | | | |
| 1 | Mr. H. Peychers | Surveyor, 4th grade | Computing Office |
| 2 | " G. Belcham | Ditto | Madras Party |
| 3 | " J. W. Mitchell | Ditto | Eastern Frontier Series |
| 4 | " L. J. Pocock | Ditto | Kumaon and Gurhwal Survey |
| ASSISTANT SURVEYORS. | | | |
| 1st Grade—Salary Rs. 250. | | | |
| 1 | Mr. A. Christie | Asst. Surveyor, 1st grade | Guzerat Survey |
| 2 | " W. O'Sullivan | Ditto | Assam Survey |
| 3 | " N. C. Gwynne | Ditto | Kattywar Survey |
| 4 | " W. C. Price | Ditto | Jodhpore Series |
| 5 | " C. H. McA Fee | Ditto | Kumaon and Gurhwal Survey |
| 6 | " T. H. Rendell | Ditto | Tidal and Leveling Party |
| 7 | " J. W. Macdougall | Ditto | Kumaon and Gurhwal Survey |
| 8 | " Hugh Todd | Ditto | Kumaon and Gurhwal Survey |
| 9 | " E. N. Wyatt | Ditto | Kattywar Survey |
| 10 | " E. J. Connor | Ditto | Guzerat Survey |
| 2nd Grade—Salary Rs. 200. | | | |
| 1 | Mr. O. V. Norris | Asst. Surveyor, 2nd grade | Guzerat Survey |
| 2 | " J. Bond | Ditto | No. 2 Astronomical Party |
| 3 | " C. D. Potter | Ditto | Madras Party |
| 4 | " T. Kinney | Ditto | Kumaon and Gurhwal Survey |
| 5 | " E. P. Wrixon | Ditto | Kumaon and Gurhwal Survey |
| 6 | " J. Hickie | Ditto | Guzerat Survey |
| 7 | " W. Fielding | Ditto | Kattywar Survey |
| 3rd Grade—Salary Rs. 160. | | | |
| 1 | Mr. G. D. Cnsson | Asst. Surveyor, 3rd grade | Guzerat Survey |
| 2 | " E. W. Lasseron | Ditto | Madras Party |
| 3 | " E. F. Litchfield | Ditto | Kumaon and Gurhwal Survey |
| 4 | " C. P. Torrens | Ditto | Jodhpore Series |
| 5 | " A. Bryson | Ditto | No. 1 Extra Party |
| 6 | " W. Oldham | Ditto | Kattywar Survey |
| 4th Grade—Salary Rs. 120. | | | |
| 1 | Mr. J. C. Clancey | Asst. Surveyor, 4th grade | Eastern Frontier Series |
| 2 | " J. O. Hughes | Ditto | Assam Party |
| 3 | " I. Pocock | Ditto | Kumaon and Gurhwal Survey |
| 4 | " G. T. Hall | Ditto | Guzerat Survey |
| 5 | " McCarthy | Ditto | Kumaon and Gurhwal Survey |
| 6 | " D. J. Collins | Ditto | Brahmaputra Party |
| 7 | " H. Corkery | Ditto | Kattywar Party |
| 8 | " P. F. Prunty | Ditto | Jodhpore Series |
| 9 | " J. Keating | Ditto | Computing Office |
| 10 | " S. F. Norman | Ditto | Guzerat Survey |

| SALARIES, INCLUDING ALLOWANCES. | | | REMARKS. |
|--|----------------------|-----------|-----------|
| Net Military Pay of Royal Engineer Officers. | Consolidated Salary. | TOTAL. | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| | | 300 0 0 | |
| | | 300 0 0 | |
| | | 300 0 0 | |
| | | 300 0 0 | |
| | | 250 0 0 | |
| | | 250 0 0 | |
| | | 250 0 0 | |
| | | 250 0 0 | |
| | | 250 0 0 | |
| | | 250 0 0 | |
| | | 250 0 0 | |
| | | 250 0 0 | |
| | | 250 0 0 | |
| | | 200 0 0 | Resigned. |
| | | 200 0 0 | |
| | | 200 0 0 | |
| | | 200 0 0 | |
| | | 200 0 0 | |
| | | 200 0 0 | |
| | | 200 0 0 | |
| | | 160 0 0 | |
| | | 160 0 0 | |
| | | 160 0 0 | |
| | | 160 0 0 | |
| | | 160 0 0 | |
| | | 160 0 0 | |
| | | 120 0 0 | |
| | | 120 0 0 | |
| | | 120 0 0 | |
| | | 120 0 0 | |
| | | 120 0 0 | |
| | | 120 0 0 | |
| | | 120 0 0 | |
| | | 120 0 0 | |
| | | 120 0 0 | |

General List of Officers of the Great Trigonometrical

Survey Department on the 1st October 1874.

| 1 Genl. Seniority Number. | 2 NAMES. | 3 Passed in Vernacular. | 4 Age. Y. M. D. | 5 Rank. | 6 Grade. | 7 Salary. |
|---------------------------------|---------------------------------------|---|---------------------------|--------------------------|-------------|--------------|
| | | | | | | Rs. A. P. |
| 1 | Mr. H. Keelan (Senior Branch) | Not passed | 57 0 11 | Deputy Superintendent | 3rd grade | 1,000 0 0 |
| 2 | W. C. Rossenrode (Senior Branch) | Ditto | 50 10 9 | Ditto | Ditto | 900 0 0 |
| 3 | J. B. N. Hennessey (Senior Branch) | Ditto | 45 2 0 | Ditto | 1st grade | 1,300 0 0 |
| 4 | Harry Duban | Ditto | 47 8 22 | Surveyor | Ditto | 500 0 0 |
| 5 | J. McGill (Senior Branch) | Ditto | 43 11 9 | Assistant Superintendent | 2nd grade | 600 0 0 |
| 6 | Lt. Col. T. G. Montgomerie, R.E. | Passed | 44 4 23 | Deputy Superintendent | 1st grade | 2,565 5 0 |
| 7 | Colonel J. T. Walker, R.E. | ... | 47 10 0 | Superintendent | ... | 600 0 0 |
| 8 | Mr. W. G. Beverley (Senior Branch) | Not passed | 38 11 15 | Assistant Superintendent | 2nd grade | 600 0 0 |
| 9 | E. C. Ryall (ditto) | Ditto | 36 8 15 | Ditto | 3rd grade | 600 0 0 |
| 10 | H. Beverley | Ditto | 35 11 3 | Surveyor | 1st grade | 500 0 0 |
| 11 | L. H. Clarke | Ditto | 40 3 26 | Ditto | 2nd grade | 400 0 0 |
| 12 | C. J. Neuville | Ditto | 40 3 12 | Ditto | Ditto | 400 0 0 |
| 13 | W. Todd | Ditto | 35 10 21 | Ditto | Ditto | 400 0 0 |
| 14 | A. D'Souza | Ditto | 37 1 17 | Ditto | 2nd grade | 400 0 0 |
| 15 | J. Low | Ditto | 34 7 0 | Ditto | 3rd grade | 350 0 0 |
| 16 | C. Wood | Ditto | 32 2 10 | Ditto | Ditto | 350 0 0 |
| 17 | H. E. T. Keelan | Ditto | 31 6 1 | Ditto | Ditto | 350 0 0 |
| 18 | F. Bell | Ditto | 32 5 6 | Ditto | Ditto | 350 0 0 |
| 19 | Major B. R. Branfill, B. C. | Passed | 40 10 8 | Deputy Superintendent | 2nd grade | 1,223 0 0 |
| 20 | Captain H. R. Thuillier, R. E. | Ditto | 36 6 5 | Ditto | Ditto | 1,333 10 0 |
| 21 | Mr. G. Atkinson | Not passed | 30 11 20 | Surveyor | 3rd grade | 350 0 0 |
| 22 | Major C. T. Haig, R. E. | Ditto | 40 2 15 | Deputy Superintendent | 2nd grade | 1,233 10 0 |
| 23 | Captain J. Herschel, R. E. | Passed | 36 11 1 | Ditto | Ditto | 500 0 0 |
| 24 | Mr. J. Peyton | Not passed | 46 8 2 | Surveyor | 1st grade | 300 0 0 |
| 25 | J. W. Mitchell | Ditto | 31 1 29 | Ditto | 4th grade | 1,183 10 0 |
| 26 | Captain T. T. Carter, R. E. | Passed | 36 7 22 | Deputy Superintendent | 3rd grade | 300 0 0 |
| 27 | Mr. H. Peychers | Not passed | 31 9 18 | Surveyor | 4th grade | 300 0 0 |
| 28 | G. Belcham | Ditto | 29 7 15 | Ditto | Ditto | 300 0 0 |
| 29 | Captain A. Pullan, s. c. | Passed | 38 6 0 | Assistant Superintendent | 1st grade | 974 1 0 |
| 30 | W. M. Campbell, B. E. | Ditto | 35 2 12 | Deputy Superintendent | 3rd grade | 300 0 0 |
| 31 | Mr. L. Pocock | Not passed | 31 5 5 | Surveyor | 4th grade | 300 0 0 |
| 32 | A. Christie | Ditto | 29 0 1 | Assistant Surveyor | 1st grade | 250 0 0 |
| 33 | Captain H. Trotter, B. E. | Ditto | 33 1 1 | Deputy Superintendent | 3rd grade | 250 0 0 |
| 34 | Mr. W. O'Sullivan | Ditto | 30 7 17 | Assistant Surveyor | 1st grade | 250 0 0 |
| 35 | Mr. N. C. Gwynne | Ditto | 31 6 25 | Ditto | Ditto | 250 0 0 |
| 36 | W. C. Price | Ditto | 28 3 7 | Ditto | Ditto | 250 0 0 |
| 37 | C. H. McA. Fee | Ditto | 24 10 15 | Ditto | Ditto | 250 0 0 |
| 38 | T. H. Rendell | Ditto | 30 2 9 | Ditto | Ditto | 250 0 0 |
| 39 | J. W. McDougall | Ditto | 29 7 16 | Ditto | Ditto | 250 0 0 |
| 40 | E. J. Connor | Lower Standard | 26 1 15 | Ditto | Ditto | 250 0 0 |
| 41 | Hugh Todd | Not passed | 27 1 16 | Ditto | Ditto | 250 0 0 |
| 42 | E. N. Wyatt | Ditto | 27 11 1 | Ditto | 2nd grade | 200 0 0 |
| 43 | E. P. Wrixon | Ditto | 28 5 2 | Ditto | 3rd grade | 1,033 10 0 |
| 44 | Captain W. J. Heaviside, B. E. | Passed | 34 3 27 | Deputy Superintendent | 2nd grade | 200 0 0 |
| 45 | Mr. O. V. Norris | Telugu, Madras University Matriculation. | 29 10 11 | Assistant Surveyor | ... | ... |
| 46 | Captain M. W. Rogers, B. E. | Passed | 32 7 12 | Assistant Superintendent | 1st grade | 200 0 0 |
| 47 | Mr. J. Bond | Not passed | 24 8 24 | Assistant Surveyor | 2nd grade | 200 0 0 |
| 48 | C. D. Potter | Tamil, Civil Engineering College, Madras. | 29 0 27 | Ditto | Ditto | 200 0 0 |
| 49 | Captain J. Hill, B. E. | Not passed | 33 9 7 | Assistant Superintendent | 1st grade | 865 12 0 |
| 50 | Mr. W. H. Cole, M. A. (Senior Branch) | Higher Standard | 36 9 16 | Ditto | Ditto | 800 0 0 |
| 51 | J. Hickie | Not passed | 25 8 17 | Assistant Surveyor | 2nd grade | 200 0 0 |
| 52 | W. Fielding | Ditto | 26 4 13 | Ditto | Ditto | 200 0 0 |
| 53 | G. D. Cusson | Ditto | 29 0 7 | Ditto | 3rd grade | 160 0 0 |
| 54 | T. Kinney | Ditto | 27 4 27 | Ditto | 2nd grade | 200 0 0 |
| 55 | E. F. Litchfield | Ditto | 22 8 7 | Ditto | 3rd grade | 180 0 0 |
| 56 | Captain A. Baird, B. E. | Passed | 32 4 26 | Assistant Superintendent | 2nd grade | 865 12 0 |
| 57 | Mr. C. P. Torrens | Not passed | 24 3 11 | Assistant Surveyor | 3rd grade | 160 0 0 |
| 58 | Captain J. R. McCullagh, B. E. | Passed | 32 6 5 | Assistant Superintendent | 2nd grade | ... |

| 8 Date of first appointment to the Depart- ment. | 9 Date of appointment to present grade. | 10 *Period of service counting for pension. Y. M. D. | 11 Present post. | 12 REMARKS. |
|--|--|---|---|--|
| May 18, 1832 | April 1, 1874 | 41 0 11 | Head Quarters | Offg. Depy. Supt., 2nd grade. Services reckoned under old rules. |
| Dec. 13, 1838 | Ditto | 34 10 9 | In charge, Eastern Frontier Series | Services reckoned under old rules. |
| Apr. 14, 1844 | Ditto | 29 1 13 | In charge, Computing Office | Column 10 includes 2 years' leave on medical certificate from March 1863, under the old rules which were then in force, and allowed the leaves to reckon as service. |
| Apr. 22, 1845 | April 1, 1866 | 24 4 9 | Personal Asst. to Suptd. (16 months and 4 days' furlough to Europe excluded). | Services reckoned under new rules. |
| Oct. 1, 1851 | April 1, 1874 | 23 0 0 | Kattiwar Survey | Services reckoned under old rules. |
| Oct. 1, 1852 | Ditto | ... | ... | On furlough. |
| Dec. 1, 1853 | Mar. 12, 1861 | ... | Superintendent. | ... |
| July 1, 1854 | April 1, 1874 | 20 3 0 | In charge, Burma Party. | Offg. Asst. Suptd., 1st grade, leave to Europe on medical certificate for 1 year, and 355 days included under old rules. |
| Apr. 25, 1855 | Ditto | 19 5 6 | Kumaon and Garhwal Survey | 225 days' sick leave included under old rules. Offg. Asst. Suptd., 2nd grade. |
| June 14, 1855 | April 1, 1871 | 19 3 17 | Eastern Frontier Series | 30 days' leave included under old rules. |
| Nov. 26, 1855 | Dec. 1, 1872 | 18 10 5 | ... | ... |
| Dec. 1, 1855 | Oct. 1, 1871 | 18 10 0 | Kumaon and Garhwal Survey | Six months' sick leave included under old rules. |
| Jan. 11, 1856 | June 1, 1874 | 16 9 19 | Computing Office | Services reckoned under old rules. |
| Feb. 19, 1856 | Dec. 1, 1872 | 13 11 17 | Guzerat Survey | 349 days furlough, and 77 days medical leave excluded under new rules. |
| Oct. 1, 1857 | April 1, 1871 | 17 0 0 | Kumaon and Garhwal Survey | 392 days' sick leave included under old rules. |
| May 6, 1858 | Ditto | 16 2 10 | Computing Office | Services reckoned under old rules. |
| Aug. 17, 1858 | April 1, 1872 | 15 6 1 | Pendulum Party | Ditto |
| Ditto | June 1, 1873 | 9 5 6 | Kattiwar Survey | Ditto |
| Oct. 4, 1858 | April 1, 1874 | ... | Depty. Suptd., 2nd grade | 1 years' furlough excluded under new rules. |
| May 21, 1859 | April 1, 1874 | ... | Offg. Depy. Suptd., 1st grade | In charge, Madras Party. |
| Aug. 1, 1859 | Jan. 1, 1874 | 14 11 20 | Drawing Office | In charge, Kumaon and Garhwal Survey. |
| Sept. 22, 1859 | April 1, 1874 | ... | Depty. Suptd., 2nd grade | Services reckoned under old rules. |
| Nov. 12, 1859 | Ditto | ... | ... | In charge, Guzerat Party. |
| Feb. 3, 1860 | Ditto | 14 7 26 | Guzerat Survey | On furlough. |
| Sept. 1, 1861 | July 1, 1874 | 13 1 0 | Eastern Frontier Series | Services reckoned under old rules. |
| Mar. 1, 1862 | April 1, 1874 | ... | Offg. Depy. Suptd., 2nd grade. | Ditto |
| Apr. 8, 1862 | June 1, 1874 | 12 5 23 | Computing Office | Ditto |
| Nov. 1, 1862 | Ditto | 11 11 0 | Madras Party | Services reckoned under old rules. |
| Jan. 18, 1863 | April 1, 1874 | ... | Offg. Depy. Suptd., 3rd grade | Ditto |
| Jan. 30, 1863 | Ditto | ... | ... | In charge, Kattiwar Party. |
| July 10, 1863 | July 1, 1874 | 9 2 5 | Kumaon & Garhwal Survey | On duty in England. |
| Aug. 7, 1863 | Oct. 1, 1871 | 7 0 1 | Guzerat Survey | 69 days' sick leave excluded. |
| Sept. 5, 1863 | Oct. 1, 1874 | ... | Deputy Suptd., 3rd grade | Deputed to Yarkund. |
| Oct. 1, 1863 | Oct. 1, 1871 | 8 7 18 | Assam Survey. | ... |
| Oct. 19, 1863 | Apr. 1, 1872 | 9 6 25 | Kattiwar Survey. | ... |
| Nov. 1, 1863 | Oct. 1, 1872 | 6 3 7 | Jodhpore Series. | ... |
| Sept. 6, 1864 | May 1, 1873 | 2 10 16 | Kumaon and Garhwal Survey. | ... |
| Oct. 11, 1864 | June 1, 1873 | 8 2 9 | Tidal and Leveling Party. | ... |
| March 1, 1865 | June 1, 1874 | 7 7 17 | Kumaon and Garhwal Survey. | ... |
| Ditto | July 1, 1874 | 4 1 16 | Guzerat Survey. | ... |
| July 15, 1865 | June 1, 1874 | 5 0 16 | Kumaon and Garhwal Survey | 30 days' sick leave excluded. |
| Sept. 1, 1865 | July 1, 1874 | 5 5 14 | Kuttiwar Survey | Granted 1 year's medical leave from 16th May 1874. |
| Oct. 25, 1865 | June 1, 1874 | 6 5 2 | Kumaon & Garhwal Survey. | ... |
| March 1, 1866 | Apr. 1, 1874 | ... | Depty. Suptd., 3rd grade | In charge, Pendulum and Magnetic Party. |
| Apr. 25, 1866 | July 1, 1873 | 7 10 0 | Guzerat Survey | Resigned. |
| July 30, 1866 | Apr. 1, 1874 | ... | ... | On furlough. |
| Oct. 18, 1866 | July 1, 1873 | 2 8 24 | No. 2 Astronomical Party. | ... |
| Oct. 29, 1866 | Ditto | 6 11 23 | Madras Party | 39 days' leave excluded. |
| Dec. 18, 1866 | Apr. 1, 1874 | ... | Offg. Depy. Suptd., 3rd Grade | In charge, Jodhpore Series. |
| Jan. 3, 1867 | Ditto | 7 8 27 | Ditto | Excludes service as Professor, Mathematics, Government College, Agra, from 14th April 1862 to end of February 1864. |
| Apr. 29, 1868 | June 1, 1874 | 3 2 17 | Guzerat Survey | 6 months' medical leave excluded. |
| May 3, 1868 | July 1, 1874 | 4 4 13 | Kattiwar Survey. | ... |
| May 8, 1868 | Apr. 1, 1871 | 6 0 7 | Guzerat Survey. | ... |
| June 17, 1868 | Oct. 1, 1873 | 5 4 27 | Kumaon and Garhwal Survey. | ... |
| Nov. 26, 1868 | Apr. 1, 1873 | 0 8 27 | Ditto. | ... |
| Dec. 4, 1868 | Apr. 1, 1874 | ... | Offg. Depy. Suptd., 3rd Grade | In charge, Bombay Tidal and Leveling Party. |
| Dec. 12, 1868 | Apr. 1, 1873 | 2 3 11 | Jodhpore Series. | ... |
| Feb. 12, 1869 | Apr. 1, 1874 | ... | ... | On furlough. |

NOTE.—In this list the officers have been arranged according to their length of service in the Department, the officer who has been longest in the Department standing first on the list. Their dates of first appointment to Department (column 8), and period of service counting for pension (column 10).

the Uncovenanted Civil Service Rules.

General List of Officers of the Great Trigonometrical

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-------------------------|----------------------------------|-----------------------|----------|------------------------------|---------------|-----------|
| Genl. Seniority Number. | NAMES. | Passed in Vernacular. | Age. | Rank. | Grade. | Salary. |
| | | | Y. M. D. | | | Rs. A. P. |
| 59 | Mr. E. W. Lasseron ... | Not passed ... | 30 5 7 | Assistant Surveyor ... | 3rd grade ... | 160 0 0 |
| 60 | " A. Bryson ... | Ditto ... | 25 1 1 | Ditto ... | Ditto ... | 160 0 0 |
| 61 | " W. Oldham ... | Ditto ... | 21 9 15 | Ditto ... | Ditto ... | 160 0 0 |
| 62 | Lieut. H. J. Harman, B. E. ... | Ditto ... | 24 4 17 | Assistant Superintendent ... | Ditto ... | 740 12 0 |
| 63 | Mr. J. C. Clancey ... | ... | 20 0 13 | Assistant Surveyor ... | 4th grade ... | 120 0 0 |
| 64 | " J. O. Hughes ... | ... | 19 1 8 | Ditto ... | Ditto ... | 120 0 0 |
| 65 | " Irvin Pocock ... | ... | 25 4 9 | Ditto ... | Ditto ... | 120 0 0 |
| 66 | " G. T. Hall ... | ... | 22 5 24 | Ditto ... | Ditto ... | 120 0 0 |
| 67 | Lieut. St. G. C. Gore, B. E. ... | ... | 25 7 8 | Assistant Superintendent ... | 3rd grade ... | 670 0 0 |
| 68 | " J. E. Gibbs, B. E. ... | ... | ... | Ditto ... | Ditto ... | 670 0 0 |
| 69 | Mr. J. McCarthy ... | ... | 19 5 2 | Assistant Surveyor ... | 4th grade ... | 120 0 0 |
| 70 | " D. J. Collins ... | ... | 20 4 27 | Ditto ... | Ditto ... | 120 0 0 |
| 71 | " H. Corkery ... | ... | 23 1 10 | Ditto ... | Ditto ... | 120 0 0 |
| 72 | " P. F. Prunty ... | ... | 19 9 0 | Ditto ... | Ditto ... | 120 0 0 |
| 73 | " J. Keating ... | ... | 20 4 27 | Ditto ... | Ditto ... | 120 0 0 |
| 74 | " S. F. Norman ... | ... | 20 1 23 | Ditto ... | Ditto ... | 120 0 0 |

* Applies only to officers who are under longest in the Department standing first on the list. Their dates of first appointment to Department (column 8), and period of service counting for pension (column 10), have been arranged in consecutive order.

Survey Department on the 1st October 1874—concluded.

| 8 | 9 | 10 | 11 | 12 |
|--|---------------------------------------|---|-------------------------------|--|
| Date of first appointment to the Department. | Date of appointment to present grade. | * Period of service counting for pension. | Present post. | REMARKS. |
| | | Y. M. D. | | |
| May 1, 1869 | Jan. 1, 1873 | 5 5 0 | Madras Party. | |
| Sept. 20, 1869 | Oct. 1, 1873 | 3 1 1 | No. 1 Extra Party. | |
| Oct. 15, 1871 | June 1, 1874 | ... | Kattiwar Party. | |
| June 3, 1872 | Apl. 1, 1874 | ... | Offg. Asst. Supdt., 1st grade | |
| Sept. 30, 1872 | Sept. 30, 1872 | ... | Eastern Frontier Series. | In charge, Assam Survey. |
| Oct. 14, 1872 | Oct. 14, 1872 | ... | Assam Survey. | |
| Oct. 28, 1872 | Oct. 28, 1872 | 0 11 4 | Kumaon and Garhwal Survey. | |
| Nov. 22, 1872 | Nov. 22, 1872 | ... | Guzerat Survey. | |
| Apl. 11, 1873 | Apl. 1, 1874 | ... | Kumaon and Garhwal Survey | |
| Aug. 15, 1873 | Ditto | ... | Guzerat Survey | Officiating Assistant Superintendent, 2nd grade. |
| Aug. 1, 1873 | Aug. 1, 1873 | ... | Kumaon and Garhwal Survey | Ditto |
| Oct. 6, 1873 | Oct. 6, 1873 | ... | Guzerat Survey | ditto. |
| Nov. 20, 1873 | Nov. 20, 1873 | 0 10 11 | Kattiwar Survey. | |
| May 9, 1874 | May 9, 1874 | ... | Jodhpore Series. | |
| June 1, 1874 | June 1, 1874 | ... | Computing Office. | |
| Sept. 1, 1874 | Sept. 1, 1874 | ... | Guzerat Party. | |

the Uncovenanted Civil Service Rules. longest in the Department standing first on the list. Their dates of first appointment to Department (column 8), and period of service counting for pension (column 10), have been arranged in consecutive order.

Disposition List of Officers of the Great Trigonometrical

| Number of Party. | Where employed. | STRENGTH OF SUBORDINATE ESTABLISHMENT IN ALL GRADES. | | | | | | Annual cost of Party. Rs. |
|------------------|--|--|----------|-----------------------|-----------------|--------------|-----|------------------------------|
| | | Sub-Surveyors. | Writers. | Chainmen and Flagmen. | Native Doctors. | Barkandazes. | No. | |
| | <i>Madras Party.</i> Tinnevely and Tuticorin, recess quarters at Bangalore | ... | ... | 46 | 1 | 17 | ... | 41,916 |
| | <i>Eastern Frontier Series.</i> British Burma, recess quarters at Moulmein | - | ... | 86 | 2 | 12 | 11 | 67,972 |
| | <i>Kumaon and Garhwal Party.</i> Kumaon and Dehra Doon, recess quarters at Mussoorie | 20 | ... | 154 | 1 | 17 | ... | 83,698 |
| | <i>Brahmaputra Series.</i> Triangulation of the Brahmaputra River, Bogra, Myensing, and Rungpur Districts, recess quarters at Mussoorie | ... | ... | 76 | 1 | 14 | ... | 36,895 |
| | <i>Assam Valley Triangulation.</i> Assam, recess quarters at Shillong | ... | ... | 54 | 1 | 12 | ... | 34,286 |
| | <i>Jodhpore Series</i> In the Jodhpore, Jesulmeer and Bikaner States, recess quarters at Mount Abo | ... | ... | 50 | 1 | 14 | ... | 34,616 |
| | <i>Kattiwar Party.</i> The Province of Kattiwar, Bombay Presidency, recess quarters at Poona | 15 | 1 | 128 | 1 | 26 | ... | 70,671 |

Survey of India on the 1st October 1874.

| Officer in charge. | Number in General List. | Rank and Grade. | Date of assuming charge. | REMARKS. |
|--|--|---|--------------------------|---|
| Major B. R. Branfill, B. C. ... Mr. G. Belcham ... " C. D. Potter ... " E. W. Lasseron ... | 48 59 | Deputy Superintendent, 2nd Grade ... Surveyor, 4th Grade ... Assistant Surveyor, 2nd Grade ... Ditto 3rd do. ... | July 28, 1868. | |
| W. C. Rossenrode, Esq. ... Mr. H. Beverley ... " J. W. Mitchell ... " J. C. Clancey ... | 2 63 | Deputy Superintendent, 3rd Grade ... Surveyor, 1st Grade ... Ditto, 4th do. ... Asst. ditto, 4th do. ... | Oct. 1, 1873. | |
| Captain H. R. Thuillier, B. E. ... Mr. E. C. Ryall ... Lieut. St. G. C. Gore, B. E. ... Mr. C. J. Neuville ... " J. Low ... " L. Pocock ... " C. H. McA'Fee ... " J. Macdougall ... " H. Todd ... " T. Kinney ... " E. P. Wrixon ... " E. F. Litchfield ... " J. S. Pocock ... " J. F. McCarthy ... | 67 12 15 31 37 39 41 54 43 55 65 69 | Offg. Depy. Supdt., 1st Grade ... Offg. Asst. Supdt., 1st do. ... Ditto 1st do. ... Surveyor 2nd do. ... Ditto 3rd do. ... Ditto 4th do. ... Assistant Surveyor, 1st do. ... Ditto 1st do. ... Ditto 1st do. ... Ditto 2nd do. ... Ditto 2nd do. ... Ditto 3rd do. ... Ditto 4th do. ... Ditto 4th do. ... | Oct. 1, 1873. | |
| Captain T. T. Carter, R.E. ... Mr. L. H. Clarke ... " D. J. Collins ... | 26 11 70 | Offg. Depy. Supdt., 2nd Grade. ... Surveyor, 2nd Grade. Assistant Surveyor, 4th Grade. | ... .. | Brahmaputra series completed. Party transferred to Burma. |
| W. G. Beverley, Esq. ... Mr. W. O'Sullivan ... " J. O. Hughes ... | 8 34 64 | Offg. Asst. Supdt., 1st Grade ... Assistant Surveyor, 1st do. ... Ditto 4th do. ... | Sept. 15, 1871 | Transferred to charge of Burma Party. |
| Captain J. Hill, B. E. ... Mr. W. C. Price ... " C. P. Torrens ... " P. F. Prunty ... | 49 36 57 72 | Offg. Depy. Supdt., 3rd Grade ... Asst. Surveyor 1st do. ... Ditto 3rd do. ... Ditto 4th do. ... | Oct. 1, 1873. | |
| Captain A. Pullan, S. C. ... Mr. J. McGill ... " F. Bell ... " N. C. Gwynne ... " E. N. Wyatt ... " W. A. Fielding ... " W. Oldham ... " H. Corkery ... | 29 5 18 35 42 52 61 71 | Offg. Depy. Supdt., 3rd Grade ... Offg. Asst. Supdt., 1st do. ... Surveyor, 3rd do. ... Assistant Surveyor, 1st do. ... Ditto 1st do. ... Ditto 2nd do. ... Ditto 3rd do. ... Ditto 4th do. ... | April 6, 1873 | |

Disposition List of Officers of the Great Trigonometrical

| Number of Party. | Where employed. | STRENGTH OF SUBORDINATE ESTABLISHMENT IN ALL GRADES. | | | | | | Annual cost of Party. |
|------------------|--|--|----------|-----------------------|-----------------|--------------|----------|-----------------------|
| | | Sub-Surveyors. | Writers. | Chainmen and Flagmen. | Native Doctors. | Barkandazes. | Jemadar. | |
| | <i>Guzerat Party.</i> | No. | No. | No. | No. | No. | No. | Rs. |
| | Guzerat, recess quarters at Poona | 11 | 1 | 112 | 1 | 26 | 1 | 76,270 |
| | <i>No. 1 Extra Party.</i> | | | | | | | |
| | Carrying on Leveling operations in Bellary, Durwar and Carwar, recess quarters at Bangalore | | | 24 | 1 | 12 | | 20,945 |
| | <i>Bombay Tidal and Leveling Party.</i> | | | | | | | |
| | Gulf of Cutch and Kattiwar | 9 | 2 | 36 | 1 | 12 | | 35,913 |

Survey of India on the 1st October 1874 —concluded.

| Officer in charge. | Number in General List. | Rank and Grade. | Date of assuming charge. | REMARKS. |
|------------------------------------|-------------------------|--------------------------------------|--|--|
| Major C. T. Haig, B. E. ... | 22 | Deputy Superintendent, 2nd Grade ... | Sept. 23, 1871. | |
| Lieutenant J. E. Gibbs, B. E. ... | 68 | Offg. Asst. Supdt., 1st Grade ... | | |
| Mr. J. Peyton ... | 24 | Surveyor, 1st Grade ... | | |
| " A. D'Souza ... | 14 | Ditto, 2nd do. ... | | |
| " A. Christie ... | 32 | Assistant Surveyor, 1st Grade ... | | |
| " E. J. Connor ... | 40 | Ditto 1st do. ... | | |
| " J. Hickie ... | 51 | Ditto 2nd do. ... | | |
| " G. D. Cusson ... | 53 | Ditto 3rd do. ... | | |
| " G. T. Hall ... | 66 | Ditto 4th do. ... | | |
| " S. F. Norman ... | 74 | Ditto 4th do. ... | | |
| Lieutenant H. J. Harman, B. E. ... | 62 | Offg. Asst. Supdt., 1st Grade ... | August 1873... | Lieutenant Harman, B. E., has been transferred to charge of Assam Party, and will join the Duffa Expedition. Captain McCullagh, B. E., will assume charge of this Party on return from furlough. |
| Mr. A. Bryson ... | 60 | Assistant Surveyor, 3rd do. ... | | |
| Captain A. Baird, B. E. ... | 56 | Offg. Depy. Supdt., 3rd Grade ... | On the formation of the Party, 1st September 1872. | |
| Mr. T. H. Rendell ... | 38 | Assistant Surveyor, 1st do. ... | | |

Classified List of Officers of the Mysore Revenue

| No. of Officers in each Grade. | NAMES. | Substantive Appointment. | Duty on which at present employed. |
|--------------------------------|--------------------------------|------------------------------------|-------------------------------------|
| 1 | Hon'ble Colonel W. C. Anderson | Survey and Settlement Commissioner | Survey and Settlement Commissioner |
| 1 | Captain J. P. Grant | Superintendent | Superintendent |
| <i>1st grade.</i> | | | |
| 1 | Captain J. W. M. Anderson | Deputy Superintendent | Deputy Superintendent |
| 2 | " J. Rutherford | Assistant Superintendent | Assistant Superintendent, 1st grade |
| 3 | " G. Mackenzie | Ditto | Ditto |
| <i>2nd grade.</i> | | | |
| 1 | Captain T. M. Ward | Ditto | Ditto, 2nd grade |
| 2 | " F. W. Major | Ditto | Ditto |
| 3 | " M. F. Coussmaker | Ditto | Ditto |
| 4 | Mr. E. H. Butcher | Ditto | Ditto |
| 5 | Captain J. B. Lawrence | Ditto | Ditto |
| 6 | Lieutenant A. H. Macintire | Ditto | Ditto |
| 7 | Mr. G. S. Dobbie | Ditto | Ditto |
| 8 | Lieutenant R. L. Price | Ditto | Ditto |
| 9 | Mr. J. P. Barker | Ditto | Ditto |
| 10 | " G. F. Meiklejohn | Ditto | Ditto |
| <i>3rd grade.</i> | | | |
| 1 | Mr. W. E. A. James | Ditto | Ditto, 3rd grade |
| 2 | " F. B. Clerk | Ditto | Ditto |
| 3 | Captain D. Cowie | Ditto | Ditto |
| <i>4th grade.</i> | | | |
| 1 | Lieutenant A. McCally | Ditto | Ditto, 4th grade |
| 2 | Mr. G. Betham | Ditto | Ditto |

General List of Officers of the Mysore Revenue

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-------------------------|------------------------------|------------------------------------|----------|------------------------------------|--------|-----------|
| Genl. Seniority Number. | NAMES. | Passed in Vernacular. | Age. | Rank. | Grade. | Salary. |
| | | | Y. M. D. | | | Rs. A. P. |
| 1 | The Hon. Col. W. C. Anderson | All have passed in the Vernacular. | 52 2 5 | Survey and Settlement Commissioner | ... | 1,100 0 0 |
| 2 | Captain J. P. Grant | | 36 6 0 | Superintendent | ... | 1,074 0 0 |
| 3 | " J. W. M. Anderson | | 36 11 20 | Deputy Superintendent | ... | 800 0 0 |
| 4 | " J. Rutherford | | 32 8 22 | Assistant Superintendent | ... | 600 0 0 |
| 5 | Mr. E. H. Butcher | | 38 3 2 | Ditto | ... | 500 0 0 |
| 6 | Captain M. F. Coussmaker | | 31 4 20 | Ditto | ... | 500 0 0 |
| 7 | " F. W. Major | | 34 2 3 | Ditto | ... | 500 0 0 |
| 8 | Mr. J. P. Barker | | 27 0 16 | Ditto | ... | 500 0 0 |
| 9 | " G. F. Meiklejohn | | 25 9 8 | Ditto | ... | 425 0 0 |
| 10 | " W. E. A. James | | 32 3 25 | Ditto | ... | 425 0 0 |
| 11 | " F. B. Clerk | | 30 1 13 | Ditto | ... | 500 0 0 |
| 12 | " G. S. Dobbie | | 30 3 0 | Ditto | ... | 500 0 0 |
| 13 | Captain T. M. Ward | | 32 8 18 | Ditto | ... | 500 0 0 |
| 14 | " J. B. Lawrence | | 32 11 3 | Ditto | ... | 500 0 0 |
| 15 | Lieut. A. H. Macintire | | 26 7 11 | Ditto | ... | 425 0 0 |
| 16 | Captain D. Cowie | | 33 9 15 | Ditto | ... | 325 0 0 |
| 17 | Lieut. A. McCally | | 30 10 24 | Ditto | ... | 500 0 0 |
| 18 | " R. L. Price | | 31 9 20 | Ditto | ... | 600 0 0 |
| 19 | Captain G. Mackenzie | | 33 2 28 | Ditto | ... | 600 0 0 |
| 20 | Mr. G. Betham | | 24 0 0 | Ditto | ... | 300 0 0 |

Survey Department on the 1st October 1874.

| SALARIES, INCLUDING ALLOWANCES, | | | | REMARKS. |
|---------------------------------|------------|-------------------------------|----------------------------|--|
| TO MILITARY OFFICERS. | | | TO CIVILIANS. | |
| Military Pay and Allowances. | Staff Pay. | Aggregate Pay and Allowances. | Civil Consolidated Salary. | |
| | | Rs. A. P. | Rs. A. P. | |
| | | 1,247 3 6 | ..... |  |
| | | 1,299 1 6 | ..... |  |
| | | 995 0 0 | ..... |  |
| | | 795 0 0 | ..... |  |
| | | 795 0 0 | ..... |  |
| | | 695 0 0 | ..... |  |
| | | 695 0 0 | ..... |  |
| | | 695 0 0 | 695 0 0 | |
| | | 695 0 0 | ..... |  |
| | | 695 0 0 | 695 0 0 | |
| | | 695 0 0 | ..... |  |
| | | 695 0 0 | 695 0 0 | |
| | | | 695 0 0 | |
| | | | 695 0 0 | Mr. Meiklejohn's promotion to 2nd grade assistant has not as yet appeared in Government Gazette. |
| | | | 560 0 0 | |
| | | | 560 0 0 | |
| | | 660 0 0 | ..... |  |
| | | 460 0 0 | ..... |  |
| | | | 375 0 0 | |

Survey Department on the 1st October 1874.

| 8 | 9 | 10 | 11 | 12 |
|--|---------------------------------------|--|-------------------------------------|--|
| Date of first appointment to the Department. | Date of appointment to present grade. | *Period of service counting for pension. | Present post. | REMARKS. |
| | | Y. M. D. | | |
| Sept. 28, 1863 | Sept. 28, 1863 | ... | Survey and Settlement Commissioner. | |
| Nov. 1, 1863 | Jan. 15, 1868 | ... | Superintendent. | |
| Nov. 27, 1863 | Nov. 27, 1873 | ... | Deputy Superintendent. | |
| Feb. 1, 1865 | July 1, 1873 | ... | Assistant Superintendent. | |
| Oct. 2, 1865 | Mar. 26, 1871 | 8 11 29 | Ditto. | |
| Dec. 24, 1865 | Jan. 26, 1870 | ... | Ditto. | |
| April 23, 1865 | Mar. 1, 1869 | ... | Ditto. | |
| Dec. 22, 1866 | Dec. 1, 1873 | 5 0 2 | Ditto. | On furlough to Europe for one year, from 4th Nov. 1873. |
| Nov. 30, 1867 | June 1, 1874 | 3 8 23 | Ditto. | |
| Dec. 1, 1867 | Oct. 2, 1873 | 5 4 9 | Ditto. | |
| Jan. 16, 1868 | Nov. 26, 1872 | 6 8 15 | Ditto. | |
| Nov. 9, 1868 | June 1, 1873 | 8 2 16 | Ditto. | |
| Dec. 1, 1868 | Nov. 11, 1868 | ... | Ditto. | |
| Jan. 15, 1869 | Mar. 10, 1871 | ... | Ditto. | |
| Dec. 6, 1869 | Jan. 8, 1874 | ... | Ditto. | On leave on private affairs to Europe for 18 months, from 1st August 1873. |
| Dec. 3, 1870 | Mar. 25, 1873 | ... | Ditto. | |
| Jan. 18, 1872 | July 8, 1873 | ... | Ditto. | |
| Nov. 1, 1872 | Oct. 23, 1872 | ... | Ditto. | |
| Oct. 24, 1873 | Dec. 24, 1871 | ... | Ditto. | |
| Nov. 1, 1873 | July 2, 1870 | 1 11 17 | Ditto | Service in the Berar Revenue Survey, from 30th Dec. 1869 and 3rd May 1869, respectively. |

NOTE.—In this list the officers have been arranged according to their length of service in the Department, the officer who has been longest in the Department standing first on the list. Their dates of first appointment to the Department (column 8), and period of service in the grade, counting towards departmental promotion.

* Applies only to officers who are under the Unconvenanted Civil Service Rules.

The period shown in column 10 includes only actual service.

Disposition List of Officers of the Mysore Revenue

| Number of Party. | Where employed. | STRENGTH OF SUBORDINATE ESTABLISHMENT IN ALL GRADES. | | | | | | Annual cost of Party (for the year 1873-74.) |
|----------------------------------|---------------------------------------|--|-----------------|---------------|-----------|----------|--------|--|
| | | Sub-Surveyors. | English Clerks. | Karkoons, &c. | Learners. | Mappers. | Peons. | |
| | | No. | No. | No. | No. | No. | No. | Rs. |
| 1 | Mysore Province | ... | 2 | 2 | ... | ... | 4 | 17,147 |
| 2 | Ditto | ... | 2 | 44 | ... | 14 | 10 | 29,407 |
| 3 | Ditto | ... | 2 | 6 | ... | ... | 4 | 27,663 |
| <i>Measuring Establishments.</i> | | | | | | | | |
| 4 | Kadur and Tumkur Districts | 22 | ... | 2 | 7 | ... | 2 | 12,667 |
| 5 | Shimoga and Hassan Districts | 24 | ... | 2 | 7 | ... | 2 | 15,130 |
| 6 | Kadur and Hassan Districts | 22 | ... | 2 | 5 | ... | 2 | 12,080 |
| 7 | Kadur and Tumkur Districts | 20 | ... | 2 | 7 | ... | 2 | 10,875 |
| 8 | Shimoga and Tumkur Districts | 24 | ... | 2 | 4 | ... | 2 | 12,658 |
| 9 | Shimoga and Kadur Districts | 23 | ... | 2 | 7 | ... | 2 | 14,225 |
| 10 | Kadur and Tumkur Districts | 22 | ... | 2 | 6 | ... | 2 | 13,808 |
| 11 | Hassan and Bangalore Districts | 22 | ... | 2 | 6 | ... | 2 | 12,816 |
| 12 | Shimoga and Kadur Districts | 26 | ... | 3 | 11 | ... | 3 | 12,522 |
| 13 | Hassan and Bangalore | 22 | ... | 2 | 3 | ... | 2 | 12,338 |
| 14 | Mysore and Hassan | 12 | ... | 2 | 1 | ... | 2 | 12,495 |
| <i>Classing Establishments.</i> | | | | | | | | |
| 15 | Kolar and Bangalore Districts | 13 | ... | 1 | 2 | ... | 2 | 12,999 |
| 16 | Tumkur District | 13 | ... | 1 | 3 | ... | 2 | 12,079 |
| 17 | Kadur and Hassan Districts | 14 | ... | 1 | 2 | ... | ... | 14,364 |
| 18 | Mysore District | 4 | ... | ... | ... | ... | ... | ... |
| | | | | | | | | 4,701 |
| TOTAL | | 283 | 6 | 78 | 71 | 14 | 47 | 2,59,964 |

Survey Department on the 1st October 1874.

| Officer in charge. | Number in General List. | Rank and Grade. | Date of assuming charge. | REMARKS. |
|--|-------------------------|---|--------------------------|------------------|
| The <i>Hon'ble</i> Col. W. C. Anderson | 1 | Surveyor and Settlement Commissioner... | Sept. 28, 1863 | |
| Captain J. P. Grant | 2 | Ditto Superintendent | Jan. 15, 1868 | |
| " J. W. M. Anderson | 3 | Deputy Superintendent, 1st grade | Nov. 1, 1869 | |
| " D. Cowie | 16 | Assistant Superintendent, 3rd grade | Dec. 2, 1871 | |
| " J. B. Lawrence | 14 | Ditto | Oct. 28, 1870 | |
| Mr. F. B. Clerk | 11 | Ditto 2nd do. | Nov. 26, 1869 | |
| Lieut. A. McCally | 17 | Ditto 3rd do. | Sep. 11, 1873 | |
| Mr. G. F. Meiklejohn | 9 | Ditto 2nd do. | June 1, 1868 | |
| Lieut. A. H. Macintire | 15 | Ditto 3rd do. | Dec. 8, 1870 | |
| " R. L. Price | 18 | Ditto 2nd do. | Jan. 2, 1873 | |
| Captain G. Mackenzie | 19 | Ditto 2nd do. | Nov. 5, 1873 | |
| Mr. J. P. Barker | 8 | Ditto 1st do. | Dec. 1, 1867 | |
| " W. E. A. James | 10 | Ditto 2nd do. | April 19, 1873 | |
| Captain M. F. Coussmaker | 6 | Ditto 3rd do. | Nov. 5, 1873 | |
| Mr. G. S. Dobbie | 12 | Ditto 2nd do. | July 4, 1871 | |
| " E. H. Butcher | 5 | Ditto 2nd do. | Jan. 26, 1867 | |
| Captain J. Rutherford | 4 | Ditto 2nd do. | Dec. 1, 1871 | |
| " M. F. Coussmaker | ... | Ditto 1st do. | Nov. 5, 1873 | |
| Mr. G. Betham | 20 | Ditto 2nd do. | ... | Holds no charge. |
| | | Ditto 4th do. | ... | |

Classified List of Officers of the Berar

| No. of Officers in each grade. | NAMES. | Substantive Appointment. | Duty on which at present employed. |
|--------------------------------|------------------------------------|--------------------------|------------------------------------|
| 1 | Mr. R. R. Beynon ... 1st grade. | Deputy Superintendent | Offg. Superintendent ... |
| 1 | Captain C. C. Pemberton ... | Assistant Superintendent | Assistant Superintendent ... |

N. B.—The salaries of the Military Assistant Superintendents are now consolidated,

General List of Officers of the Berar Revenue

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-------------------------|-----------------------------|-----------------------|---------------------|----------------------------|---------------|------------------------|
| Genl. Seniority Number. | NAMES. | Passed in Vernacular. | Age. | Rank. | Grade. | Salary. |
| 1 | Mr. R. R. Beynon ... | Passed ... | Y. M. D. 34 11 3 | Officiating Superintendent | ... | Rs. A. P. 1,175 0 0 |
| 2 | Captain C. C. Pemberton ... | Ditto ... | 34 9 6 | Assistant Superintendent | 1st grade ... | 795 0 0 |

*Applies only to officers who are under the appointment to Probationary Assistant in the Survey Department.

NOTE.—In this list the officers have been arranged according to their length of service in the Department, the officer who has been longest service counting for pension (column 10),

Disposition List of Officers of the Berar Revenue

| Number of Party. | Where employed. | STRENGTH OF SUBORDINATE ESTABLISHMENT IN ALL GRADES. | | | | | Annual cost of Party (for the year 1873-74). |
|------------------|-----------------------------|--|-----------------|-----------|----------|--------|--|
| | | Sub-Surveyors. | English Clerks. | Karkoons. | Mappers. | Peons. | |
| 1 | East and West Berars ... | No. 11 | No. 2 | No. 31 | No. 23 | No. 13 | Rs. 49,365 |
| 2 | Yeotmal and Wun Talukas ... | 20 | ... | 4 | ... | 3 | 18,394 |
| TOTAL | | 31 | 2 | 35 | 23 | 16 | 67,699 |

Revenue Survey on the 1st October 1874.

| SALARIES, INCLUDING ALLOWANCES, | | | | REMARKS. |
|---------------------------------|------------|-------------------------------|----------------------------|----------|
| To MILITARY OFFICERS. | | | To CIVILIANS. | |
| Military Pay and Allowances. | Staff Pay. | Aggregate Pay and Allowances. | Civil Consolidated Salary. | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| ..... | ..... | ..... | 1,175 0 0 | |
| ..... | ..... | 795 0 0 | | |

vide Government of India, Financial Department, No. 2956, dated 21st October 1865.

Survey Department on the 1st October 1874.

| 8 | 9 | 10 | 11 | 12 |
|--|---------------------------------------|--|--|----------|
| Date of first appointment to the Department. | Date of appointment to present grade. | *Period of service counting for pension. | Present post. | REMARKS. |
| Oct. 12, 1859 Sept. 9, 1864 | Oct. 30, 1872 Feb. 2, 1873 | Y. M. D. 11 6 9 | Officiating Superintendent. Assistant Superintendent. | |

Uncovenanted Civil Service Rules. appointment to Probationary Assistant in the Survey Department. in the Department standing first on the list. Their dates of first appointment to the Department (column 8), and period of have been arranged in consecutive order.

Survey Department on the 1st October 1874.

| Officer in charge. | Number in General List. | Rank and Grade. | Date of assuming charge. | REMARKS. |
|-----------------------------|-------------------------|---|--------------------------|---|
| Mr. R. R. Beynon ... | 1 | Officiating Superintendent ... | Oct. 30, 1872 | Under the annual cost of Superintendent's Establishment has been included the expenditure incurred in several Field Establishments which were reduced in October and November 1873. |
| Captain C. C. Pemberton ... | 2 | Assistant Superintendent, 1st grade ... | Oct. 30, 1871 | |

Classified List of Officers of the Geological

| No. of Officers in each grade. | NAMES. | Substantive Appointment. | Duty on which at present employed. |
|--------------------------------|--|--------------------------------------|-------------------------------------|
| 1 | Thomas Oldham ... <i>1st Grade, Rs. 700, rising to Rs. 1,000.</i> | Superintendent, Geological Survey... | On sick leave ... |
| 1 | H. B. Medlicott ... | Deputy Superintendent for Bengal | Offg. Supdt., Geological Survey ... |
| 2 | W. T. Blanford ... | Ditto for Bombay | On sick leave ... |
| 3 | William Theobald ... | Assistant, Geological Survey ... | Sivalik Hills ... |
| 4 | Vacant ... | ..... | ..... |
| | <i>2nd Grade, Rs. 550, rising to Rs. 700.</i> | | |
| 1 | William King, Jr. ... | Deputy Superintendent for Madras | Godavery District ... |
| 2 | R. B. Foote ... | Assistant, Geological Survey ... | South Mahratta Country ... |
| 3 | A. B. Wynne ... | Ditto ... | Rawul Pindi ... |
| 4 | F. R. Mallet ... | Ditto ... | Sikkim ... |
| | <i>3rd Grade, Rs. 350, rising to Rs. 500.</i> | | |
| 1 | W. L. Willson ... | Assistant, Geological Survey ... | Bundelkund ... |
| 2 | F. Fedden ... | Ditto ... | Nizam's Territories ... |
| 3 | C. A. Hacket ... | Ditto ... | On furlough ... |
| 4 | T. W. H. Hughes ... | Ditto ... | Chanda and Nizam's Territories ... |
| 5 | V. Ball ... | Ditto ... | Satpura ... |
| 6 | Dr. W. Waagen ... | Ditto ... | On sick leave ... |
| 7 | A. Tween ... | Curator and Registrar ... | At Office and Museum ... |
| 8 | Vacant ... | ..... | ..... |
| | <i>Ungraded Officers.</i> | | |
| | Mark Fryar ... | Mining Geologist ... | British Burma ... |
| | T. H. Turner ... | Assistant Curator ... | At Office and Museum ... |
| | J. Schaumburg ... | Artist ... | Ditto ... |
| | Ram Singh, 1st ... | Apprentice ... | Office ... |
| | Ram Singh, 2nd ... | Ditto ... | Ditto ... |
| | Hera Lall ... | Ditto ... | Ditto ... |
| | Kissen Singh ... | Ditto ... | Ditto ... |

Survey of India on the 1st October 1874.

| SALARIES INCLUDING ALLOWANCES. | | | | REMARKS. |
|--------------------------------|-------------------------------|--|---------------------------|--|
| Pay. | Travelling & Horse Allowance. | Additional pay as Deputy Superintendent. | Total Pay and Allowances. | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 1,900 0 0 | 360 0 0 | ..... | 2,260 0 0 | Extension of sick leave for six months. |
| 1,000 0 0 | 130 0 0 | 100 0 0 | 1,230 0 0 | Appointed to officiate as Superintendent of the Geological Survey. |
| 1,000 0 0 | 130 0 0 | 100 0 0 | 1,230 0 0 | Extension of leave for six months. |
| 1,000 0 0 | 130 0 0 | ..... | 1,130 0 0 | Appointed to officiate as Deputy Superintendent for Bengal. |
| ..... | ..... | ..... | ..... | Vacancy caused by the death of Dr. F. Stoliczka. |
| 700 0 0 | 130 0 0 | 100 0 0 | 930 0 0 | |
| 700 0 0 | 130 6 0 | ..... | 830 0 0 | |
| 700 0 0 | 130 0 0 | ..... | 830 0 0 | |
| 700 0 0 | 130 0 0 | ..... | 830 0 0 | |
| 500 0 0 | 130 0 0 | ..... | 630 0 0 | |
| 500 0 0 | 130 0 0 | ..... | 630 0 0 | |
| 500 0 0 | 130 0 0 | ..... | 630 0 0 | Appointed to officiate as Deputy Superintendent for Dombay. |
| 500 0 0 | 130 0 0 | ..... | 630 0 0 | |
| 500 0 0 | 130 0 0 | ..... | 630 0 0 | |
| 500 0 0 | 130 0 0 | ..... | 630 0 0 | |
| 500 0 0 | 150 0 0 | ..... | 650 0 0 | |
| ..... | ..... | ..... | ..... | This vacancy is kept up by the appropriation of the pay to the experimental institution of native apprentices. |
| 800 0 0 | 280 0 0 | ..... | 1,080 0 0 | |
| 250 0 0 | ..... | ..... | 250 0 0 | |
| 250 0 0 | ..... | ..... | 250 0 0 | |
| 50 0 0 | ..... | ..... | 50 0 0 | |
| 30 0 0 | ..... | ..... | 30 0 0 | Attending science lectures at the Presidency College. |
| 30 0 0 | ..... | ..... | 30 0 0 | Ditto ditto. |
| 30 0 0 | ..... | ..... | 30 0 0 | Ditto ditto. |

General List of Officers of the Geological

| Genl. Seniority Number. | NAMES. | Passed in Vernacular. | Age. | Rank. | Grade. | Salary. |
|-------------------------|---------------------------|-----------------------|----------|------------------------------|---------------|-----------|
| | | | Y. M. D. | | | Rs. |
| 1 | Thomas Oldham ... | ... | 56 3 13 | Supdt., Geol. Survey ... | ... | 1,900 |
| 2 | William Theobald ... | ... | 45 5 14 | Asst., Geol. Survey ... | 1st grade ... | 1,000 |
| 3 | H. B. Medlicott ... | ... | 45 1 29 | Deputy Supdt. for Bengal ... | Ditto ... | 1,000+100 |
| 4 | W. T. Blanford ... | ... | 41 11 25 | Ditto for Bombay ... | Ditto ... | 1,000+100 |
| 5 | William King, Jr. ... | ... | 41 2 16 | Ditto for Madras ... | 2nd grade ... | 700+100 |
| 6 | W. L. Willson ... | ... | 51 4 1 | Asst., Geol. Survey ... | 3rd grade ... | 500 |
| 7 | R. B. Foote ... | ... | 40 0 9 | Ditto ... | 2nd grade ... | 700 |
| 8 | F. R. Mallet ... | ... | 33 7 19 | Ditto ... | Ditto ... | 700 |
| 9 | A. Tween ... | Oct. 5, 1868 | 52 10 26 | Curator & Registrar ... | 3rd grade ... | 500 |
| 10 | F. Fedden ... | Mar. 8, 1865 | 35 6 10 | Asst., Geol. Survey ... | Ditto ... | 500 |
| 11 | C. A. Hacket ... | Oct. 26, 1869 | 41 2 20 | Ditto ... | Ditto ... | 500 |
| 12 | T. W. H. Hughes ... | Oct. 6, 1868 | 31 1 30 | Ditto ... | Ditto ... | 500 |
| 13 | A. B. Wynne ... | Aug. 3, 1868 | 38 11 17 | Ditto ... | 2nd grade ... | 700 |
| 14 | Vacant ... | Nov. 9, 1868 | ... | ... | ... | ... |
| 15 | V. Ball ... | ... | 31 2 18 | Asst., Geol. Survey ... | 3rd grade ... | 500 |
| 16 | Dr. W. Waagen ... | ... | 31 3 2 | Ditto ... | Ditto ... | 500 |
| 17 | Vacant ... | ... | ... | ... | ... | ... |
| | <i>Ungraded Officers.</i> | | | | | |
| 18 | Mark Fryar ... | ... | 42 3 10 | Mining Geologist ... | No grade ... | 800 |
| 19 | T. H. Turner ... | ... | 34 3 6 | Asst. Curator ... | Ditto ... | 250 |
| 20 | J. Schaumburg ... | ... | 35 2 30 | Artist ... | Ditto ... | 50 |
| 21 | Ram Singh, 1st ... | ... | ... | Apprentice ... | Ditto ... | 30 |
| 22 | Ram Singh, 2nd ... | ... | ... | Ditto ... | Ditto ... | 30 |
| 23 | Hera Lall ... | ... | ... | Ditto ... | Ditto ... | 30 |
| 24 | Kissen Singh ... | ... | ... | Ditto ... | Ditto ... | 30 |

* Birthdays are unknown.

Survey Department on the 1st October 1874.

| Date of first appointment to the Department. | Date of appointment to present grade. | Period of service counting for pension. | Present post. | REMARKS. |
|--|---------------------------------------|---|--|----------|
| | | Y. M. D. | | |
| Mar. 5, 1851 | Mar. 5, 1851 | 22 4 11 | On sick leave. | |
| Nov. — 1848 | Mar. 31, 1869 | 21 11 7 | Sivalik Hills. | |
| Mar. 24, 1851 | May 1, 1866 | 19 6 19 | Officiating Superintendent, Geological Survey. | |
| Oct. 1, 1855 | Ditto ... | 16 5 0 | On sick leave. | |
| Mar. 4, 1857 | Ditto ... | 16 3 28 | Godaveri District. | |
| Ditto | Ditto ... | 16 3 28 | Bundelkund. | |
| Sept. 28, 1858 | Ditto ... | 14 5 3 | South Mahratta Country. | |
| Feb. 12, 1859 | May 1, 1872 | 10 7 17 | Sikkim. | |
| May 12, 1859 | May 1, 1866 | 13 5 29 | Curator and Chemist at Head Office. | |
| Oct. 1, 1860 | Ditto ... | 11 10 0 | Nizam's Territories. | |
| Nov. 11, 1861 | Ditto ... | 12 10 20 | On furlough. | |
| Nov. 11, 1862 | Ditto ... | 10 4 20 | Chanda and Nizam's Territories. | |
| Nov. 13, 1862 | Mar. 31, 1869 | 10 3 23 | Rawul Pindi. | |
| Oct. 29, 1864 | May 1, 1866 | 9 11 3 | Satpura. | |
| Dec. 15, 1870 | Dec. 15, 1870 | 2 0 16 | On sick leave. | |
| May 1, 1868 | May 1, 1868 | 6 5 0 | British Burma. | |
| April 1, 1869 | April 1, 1869 | 5 6 0 | Museum and Office. | |
| April 12, 1869 | April 12, 1869 | 5 5 19 | Office. | |
| Mar. 21, 1873 | Mar. 21, 1873 | 1 6 11 | Ditto. | |
| Jan. 7, 1874 | Jan. 7, 1874 | 0 8 25 | Ditto. | |
| Ditto | Ditto ... | 0 8 25 | Ditto. | |
| Ditto | Ditto ... | 0 8 25 | Ditto. | |

Disposition List of Officers of the Geological

| NAMES OF OFFICERS. | Where employed for next* Season. | Number in General List. | Rank and Grade. | Date of assuming charge. | STRENGTH OF SUBORDINATE ESTABLISHMENT IN ALL GRADES. | | | | | | Office Estab-lishment. | | |
|---|----------------------------------|-------------------------|----------------------------|--------------------------|--|------------|------------|----------------------|-----------------------|----------------------|------------------------|-----|-----|
| | | | | | 1st Grade. | 2nd Grade. | 3rd Grade. | Non-graded Officers. | Clerks & Draughtsmen. | Peasants & Servants. | | | |
| | | | | | | | | | | | No. | No. | No. |
| Thomas Oldham | On sick leave | 1 | Supdt., Geological Survey. | Mar. 5, 1851 | 3 | 4 | 7 | 7 | 10 | 24 | | | |
| <i>1st grade.</i> H. B. Medicott | At Head Quarters | 3 | Deputy Supdt., 1st grade. | Mar. 24, 1854 | 3—1st grade officers. | | | | | | | | |
| W. T. Blanford | Sindh | 4 | Ditto | Oct. 1, 1855 | | | | | | | | | |
| William Theobald | Sivalik Hills | 2 | Asst., 1st grade | Nov. 1848 | | | | | | | | | |
| Vacant | | | | | | | | | | | | | |
| <i>2nd grade.</i> William King, Jr. | Godaveri District | 5 | Deputy Supdt., 2nd grade. | Mar. 4, 1857 | 4—2nd grade officers. | | | | | | | | |
| R. B. Foote | Nellore District | 7 | Asst., 2nd grade | Sept. 28, 1858 | | | | | | | | | |
| A. B. Wynne | Rawul Pindi | 13 | Ditto | Nov. 13, 1862 | | | | | | | | | |
| F. B. Mallet | Assam | 8 | Ditto | Feb. 12, 1859 | 7—3rd grade officers. | | | | | | | | |
| <i>3rd grade.</i> W. L. Willson | Bundelkund | 6 | Asst., 3rd grade | Mar. 4, 1857 | | | | | | | | | |
| F. Fedden | Sindh | 10 | Ditto | Oct. 1, 1860 | | | | | | | | | |
| C. A. Hacket | On furlough | 11 | Ditto | Nov. 11, 1861 | | | | | | | | | |
| T. W. H. Hughes | Chanda and Nizam's Territories. | 12 | Ditto | Nov. 11, 1862 | | | | | | | | | |
| V. Ball | Sambulpur | 15 | Ditto | Oct. 29, 1864 | | | | | | | | | |
| Dr. W. Waagen | At Office | 16 | Ditto | Dec. 15, 1870 | | | | | | | | | |
| A. Tween Vacant. | Museum and Office | 9 | Ditto | May 12, 1859 | 7—Non-graded officers. | | | | | | | | |
| <i>Non-graded Officers.</i> Mark Fryar | British Burma | 18 | Mining Geologist | May 1, 1868 | | | | | | | | | |
| T. H. Turner | Office and Museum | 19 | Asst. Curator | April 1, 1869 | | | | | | | | | |
| J. Schaumburg | Office and Museum | 20 | Artist | April 12, 1869 | | | | | | | | | |
| Ram Singh, 1st | Ditto | 21 | Apprentice | Mar. 21, 1873 | | | | | | | | | |
| Ram Singh, 2nd | Ditto | 22 | Ditto | Jan. 7, 1874 | | | | | | | | | |
| Hera Lall | Ditto | 23 | Ditto | Ditto | | | | | | | | | |
| Kissen Singh | Ditto | 24 | Ditto | Ditto | | | | | | | | | |

Survey of India on the 1st October 1874.

| Where employed during last three years. | Annual cost (salary, contingencies, travelling allowances of officers and their subordinates, if any).* | REMARKS. |
|---|--|-------------|
| 1871-72. Godaveri District & Office 1872-73. At Head Quarters 1873-74. On sick leave | Salary Rs. A. P. 6,445 2 7 Allowances 1,254 3 1 | 7,699 5 8 |
| 1871-72. Satpura 1872-73. Narbada Valley 1873-74. Head Quarters & Garo Hills | Salary and allowances Extra travelling, etc. 15,020 0 0 3,076 2 0 | 18,096 2 0 |
| 1871-72. Bombay and Persia 1872-73. On sick leave 1873-74. Ditto | Salary and allowances Extra travelling, etc. 0 0 0 0 0 0 | 0 0 0 |
| 1871-72. British Burma 1872-73. Ditto 1873-74. Sivalik Hills | Salary and allowances Extra travelling, etc. 14,477 11 10 551 7 0 25 0 0 | 15,054 2 10 |
| 1871-72. Godaveri District 1872-73. Ditto 1873-74. Ditto | Salary and allowances Extra travelling, etc. Native Doctor's pay, etc. 11,460 0 0 1,467 0 0 702 8 3 | 13,629 8 3 |
| 1871-72. Belgaum 1872-73. Upper Kristan Valley 1873-74. S. Mahratta Country | Salary and allowances Extra travelling, etc. 10,491 2 9 1,537 12 0 | 12,028 14 9 |
| 1871-72. Hazara 1872-73. Punjab and Kohat 1873-74. Rawul Pindi | Salary and allowances Extra travelling, etc. Native Doctor's pay, etc. 10,170 0 0 500 0 0 270 0 0 | 10,940 0 0 |
| 1871-72. South Mirzapur & Singrowli 1872-73. Hazaribagh 1873-74. Sikkim | Salary and allowances Extra travelling, etc. Native Doctor's pay, etc. 10,170 0 0 718 0 0 569 0 7 | 11,457 0 7 |
| 1871-72. N.-W. & Central Provinces. 1872-73. Banda and Rewah 1873-74. Bundelkund | Salary and allowances Extra travelling, etc. 7,785 0 0 865 0 0 | 8,650 0 0 |
| 1871-72. E. Berar & Nizam's Territory 1872-73. On sick leave 1873-74. Nizam's Territories | Salary and allowances Extra travelling, etc. 1,481 5 0 335 4 0 | 1,816 9 0 |
| 1871-72. South Rewah 1872-73. Narbada Valley 1873-74. Rajputana | Salary and allowances Extra travelling, etc. 7,800 0 0 851 0 0 | 8,651 0 0 |
| 1871-72. Leave 1872-73. Wardha Coal-field 1873-74. Nagpur & Nizam's Territory | Salary and allowances Extra travelling, etc. Native Doctor's pay, etc. 9,080 0 0 1,555 3 0 625 7 9 | 11,240 10 9 |
| 1871-72. Chota Nagpur 1872-73. Ditto 1873-74. Satpura | Salary and allowances Extra travelling, etc. Native Doctor's pay, etc. 7,740 0 0 1,445 14 6 498 5 9 | 9,684 4 3 |
| 1871-72. Salt-range at Kohat, Hazara. 1872-73. On sick leave 1873-74. Ditto | Salary and allowances Extra travelling, etc. 2,114 0 0 0 0 0 | 2,114 0 0 |
| 1871-72. At Museum and Office 1872-73. Ditto 1873-74. Ditto | Salary Allowances 6,000 0 0 1,800 0 0 | 7,800 0 0 |
| 1871-72. Chanda, Tenasserim Province 1872-73. Tenasserim Province 1873-74. Ditto | Salary and allowances Allowances 9,250 0 0 3,360 0 0 | 12,610 0 0 |
| 1871-72. At Office and Museum 1872-73. Ditto 1873-74. Ditto | Salary 3,000 0 0 | 3,000 0 0 |
| 1871-72. At Office and Museum 1872-73. Ditto 1873-74. Ditto | Salary 3,000 0 0 | 3,000 0 0 |
| 1871-72. Office 1873-74. Ditto | Salary 360 0 0 | 360 0 0 |
| 1873-74. Ditto | Ditto 84 3 1 | 84 3 1 |
| 1873-74. Ditto | Ditto 84 3 1 | 84 3 1 |
| 1873-74. Ditto | Ditto 84 3 1 | 84 3 1 |

* As a fact, they are at the present moment closing up the field work of last season, and are at station.

* The "annual cost" as given above is the cost for 12 months, from 1st April 1873 to 31st March 1874. It is to some extent a variable item depending on cost of travelling, this depending on district engaged in, &c., &c.

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