
LISTS OF OFFICERS

IN THE

S U R V E Y D E P A R T M E N T S

ON THE

1st OCTOBER 1878.

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Classified List of the Officers of the Senior Department of the Survey of India as it stood on the 1st October 1878.

No. sanctioned.	No. existing in each grade.	Names of Officers and Branch to which originally posted.	Substantive Appointment.	Survey Party to which at present attached.	Consolidated Salary.	REMARKS.
					Rs. A. P.	
ADMINISTRATIVE STAFF.						
1	1	Col. J. T. Walker, C. B., R. E., F. R. S. [G. T. S.]	Survr. Genl. of India and Supdt. of Great Trigl. and Topogl. Surveys	...	3,000 0 0	
1	1	Maj.-Genl. D. C. Vanrenen, R. A., P. H. [Rev.]	Depy. Survr. Genl. and Supdt., Revenue Branch	...	2,265 10 0	Includes as personal allowance Rs. 65-10.
3	1	Capt. R. V. Riddell, R. E., P. H. [Topogl.]	Asst. Surveyor General	...	1,440 0 0	Exclusive of Local allowance Rs. 200. Officiating Superintendent, Mathematical Instrument Department, and in charge Lithographic Branch, Head-quarters, Calcutta.
		Mr. J. O. N. James [Topogl.]	Ditto	...	...	On furlough for 2 years, from 1st April 1878.
	2	Capt. J. Waterhouse, S. C., P. H. [Topogl.]	Ditto	...	1,000 0 0	Exclusive of Local allowance Rs. 200. In charge Photographic Branch, Head-quarters Calcutta.
	3	„ E. H. Steel, S. C., H. S. [Rev.]	Offg. ditto	...	750 0 0	Exclusive of Presidency allowance Rs. 100. In charge Engraving and Cartographic Branches, Head-quarters, Calcutta.
SENIOR BRANCH.						
DEPUTY SUPERINTENDENTS.						
1ST GRADE.						
4	1	Maj. Genl. H. C. Johnstone, C. B., Retired List, P. H. ... [Rev.]	Depy. Supdt., 1st grade	In charge 1st, Dera Ismail Khan District Survey Punjab	1,627 14 0	Rs. 27-14 as personal allowance. Re-appointed for 4 months from 26th June 1878.
	2	Mr. J. B. N. Hennessey, M. A., F. R. S. [G. T. S.]	Ditto	In charge Head-quarters Offices, Dehra Dún	1,600 0 0	
	3	Col. F. C. Anderson, S. C., P. H. [Rev.]	Ditto	In charge 5th, Banda District [Cadastral] Survey North-Western Provinces	1,627 14 0	Rs. 27-14 as personal allowance.
	4	Lt.-Col. G. C. Depree, S. C., P. H. [Topogl.]	Ditto	In charge No. 7, Rajputana Topogl. Survey	1,600 0 0	
2ND GRADE.						
10	1	Maj. H. R. Thuillier, R. E., P. H. [G. T. S.]	Depy. Supdt., 2nd grade	In charge Mysore Topogl. Surveys	1,482 10 0	
	8	Col. J. Macdonald, S. C., P. H. [Rev.]	Ditto	...	...	On furlough, p. a., for 2 years, from 6th May 1877.
	8	Lt.-Col. C. T. Haig, R. E. [G. T. S.]	Ditto	...	...	On furlough, p. a., for 1 year and 190 days, from 31st March 1877.
	2	Maj. J. Herschel, R. E., F. R. S., P. H. [G. T. S.]	Ditto	On duty, Head-quarters Offices, Dehra Dún	1,482 10 0	
	3	Mr. R. B. Smart ... [Rev.]	Ditto	In charge 7th, Khorda Estate [Cadastral] Survey, Orissa	1,300 0 0	
	4	Maj. J. Sconce, S. C., P. H. ... [Rev.]	Ditto	In charge 8th, Western Soane [Irrigation] Survey District Shahabad, Behar	1,300 0 0	
	5	Lt.-Col. B. R. Branfill, B. C., P. H. [G. T. S.]	Ditto	In charge Madras Party, Bangalore	1,300 0 0	
	8	Capt. G. Strahan, R. E., P. H. [Topogl.]	Ditto	...	...	On furlough, p. a., for 2 years, from 1st May 1877.
	6	Maj. T. T. Carter, R. E., P. H. [G. T. S.]	Ditto	In charge Kumaun and Garhwal Party	1,482 10 0	
	7	„ D. Macdonald, S. C., P. H. [Rev.]	Ditto	In charge 2nd, Sirsa District Survey, Punjab	1,300 0 0	
3RD GRADE.						
12		Maj. F. Coddington, S. C., P. H. [Rev.]	Deputy Supdt., 3rd grade	On duty Head-quarters Rev. Branch, Calcutta	1,300 0 0	Offg. Dy. Supdt., 2nd grade. Exclusive of Rs. 60, Presidency allowance.
	8	„ W. M. Campbell, R. E., Passed [G. T. S.]	Ditto	...	...	On furlough, p. a., for 1 year, from 1st February 1878.
		Capt. R. V. Riddell, R. E., P. H. [Topogl.]	Ditto	Head-quarters, Calcutta	1,440 0 0	Officiating Deputy Superintendent, 2nd grade. Assistant Surveyor General. Exclusive of Rs. 200, Local allowance.
		„ C. Strahan, R. E. [Topogl.]	Ditto	In charge No. 1, Gwalior and Central India Topogl. Survey	1,440 0 0	Officiating Deputy Superintendent, 2nd grade. On furlough for 2 years from 1st April 1878.
	8	Mr. J. O. N. James [Topogl.]	Ditto	...	...
	1	Capt. W. Barron, S. C., P. H. [Rev.]	Ditto	In charge 4th, Moradabad and Budaun District [Cadastral] Survey, N.-W. P.	1,000 0 0	
	8	„ H. Trotter, R. E. [G. T. S.]	Ditto	...	...	On furlough, p. a., for 2 years, from 20th February 1876. Services placed at the disposal of the British Foreign Office.
	2	Maj. H. C. B. Tanner, Bombay S. C., P. H. [Rev.]	Ditto	In charge 11th, South Deccan [Topogl.] Survey Bombay Presidency	1,000 0 0	
	3	Mr. E. T. S. Johnson [Rev.]	Ditto	In charge 6th, Jaunpur Dist. [Cadastral] Survey N.-W. P.	1,000 0 0	
	8	Capt. W. J. Hearside, R. E., P. H. [G. T. S.]	Ditto	...	...	On furlough, p. a., in Europe and India for 1 year, from 16th November 1877. granted an extension for 1 month.
	8	Maj. A. Pullan, S. C., P. H. [G. T. S.]	Ditto	...	...	On furlough, p. a., to Europe for 1 year, from 13th May 1878.
	8	Capt. D. C. Andrew, S. C., P. H. [Rev.]	Ditto	...	...	On furlough p. a., for 2 years, from 23rd May 1878.

Classified List of the Officers of the Senior Department of Survey of India as it stood on the 1st October 1878—continued.

No. sanctioned.	No. existing in each grade.	Names of Officers and Branch to which originally posted.	Substantive Appointment.	Survey Party to which at present attached.	Consolidated Salary.	REMARKS.
					Rs. A. P.	
		SENIOR BRANCH—contd.				
		ASSISTANT SUPERINTENDENTS.				
		1ST GRADE.				
11		Major W. H. Wilkins, s. c., P. H. [Rev.]	Asst. Supdt., 1st grade	In charge 3rd, Saharanpur Dist. [Topogl.] Survey, N.-W. P.	1,000 0 0	Officiating Deputy Superintendent, 3rd grade.
		Mr. J. Campbell ... [Rev.]	Ditto	N.-W. P. [Cadastral] Revision Survey, Agazamguri and Hamirpur Districts	1,000 0 0	Ditto ditto.
		Capt. E. W. Samuels, s. c., P. H. [Rev.]	Ditto	In charge 10th, North Deccan Topogl. Survey, Bombay Presidency	1,000 0 0	Ditto ditto.
		Major W. F. Badgley, s. c., P. H. [Topogl.]	Ditto	In charge No. 6, Topogl., Khasi and Garo Hills Survey	1,075 0 0	Ditto ditto. <i>Died 21st December 1878 at Peshawar.</i>
		Capt. J. E. Saudeman, s. c., P. H. [Rev.]	Ditto	On special duty, Chota Nagpore Estate [Cadastral] Survey, Bengal,	1,000 0 0	Ditto ditto. Inclusive of Rs. 75, Assam local allowances.
	S	" T. H. Holdich, B. E., L. S. [Topogl.]	Ditto	...	...	On furlough, p. a., for 2 years, from 14th May 1877.
		" J. Waterhouse, s. c., P. H. [Topogl.]	Ditto	In charge Photographic Branch, Head-quarters Calcutta	1,000 0 0	Offg. Deputy Superintendent, 3rd grade. Assistant Surveyor General. Exclusive of Rs. 200, Local allowance.
		" M. W. Rogers, B. E., L. S. [G. T. S.]	Ditto	In charge Jodhpore Series	1,140 0 0	Officiating Deputy Superintendent, 3rd grade.
		" J. Hill, R. E. ... [G. T. S.]	Ditto	In charge Eastern Frontier Series	1,140 0 0	Ditto ditto.
		" H. Lees Smith, M. A., L. B., s. c., P. H. ... [Rev.]	Ditto	3rd, Saharanpur District [Topogl.] Survey, N.-W. P.	1,000 0 0	Ditto ditto.
1		Mr. H. Horst ... [Topogl.]	Ditto	In charge No. 2, Topogl., Khandesh and Bombay Native States Survey	750 0 0	
		2ND GRADE.				
11		Mr. W. H. Cole, M. A., H. S. [G. T. S.]	Asst. Supdt., 2nd grade	On duty at Head-quarters Offices, Dehra Dun	750 0 0	Officiating Assistant Superintendent, 1st grade.
		" H. B. Talbot, L. S. ... [Rev.]	Ditto	Eastern Soane [Irrigation] Survey, District Patna, Behar	750 0 0	
		Capt. A. W. Baird, R. E., P. H. [G. T. S.]	Ditto	In charge Tidal and Leveling operations, Bombay	890 0 0	Ditto ditto.
	S	" J. R. McCullagh, R. E., L. S. [G. T. S.]	Ditto	...	...	On furlough, p. a., for 1 year and 3 days, from 5th November 1877.
		" J. R. Wilmer, s. c., H. S. [Topogl.]	Ditto	In charge No. 5, Bhopal and Malwa Topogl. Survey	750 0 0	Officiating Assistant Superintendent, 1st grade.
		Mr. J. McGill ... [G. T. S.]	Ditto	Offg. In charge Katlywar Survey, Poona	750 0 0	Ditto ditto.
		Capt. S. H. Cowan, s. c., P. H. [Rev.]	Ditto	On duty Head-quarters, Calcutta	750 0 0	Ditto ditto. Exclusive of Rs. 100, Presidency allowance.
		" E. H. Steel, s. c., H. S. ... [Rev.]	Ditto	In charge Engraving and Cartographic Branch, Head-quarters, Calcutta	750 0 0	Officiating Assistant Superintendent, 1st grade. Officiating Assistant Surveyor General. Exclusive of Rs. 100, Presidency allowance.
		" H. S. Hutchinson, s. c., P. H. [Rev.]	Ditto	11th, South Deccan [Topogl.] Survey, Bombay Presidency	750 0 0	Ditto ditto.
		Mr. E. C. Barrett, H. S. ... [Rev.]	Ditto	In charge 9th, Cuttack Dist. [Irrign. Survey, Orissa]	750 0 0	Ditto ditto.
1		" E. J. Jackson, L. S. ... [Rev.]	Ditto	5th, Banda Dist. [Cadastral] Survey, N.-W. P.	600 0 0	
		3RD GRADE.				
12		Capt. R. Beavan, s. c., P. H. ... [Rev.]	Asst. Supdt., 3rd grade	1st, Dera Ismail Khan Dist. Survey, Punjab	650 0 0	Offg. Assistant Superintendent, 1st grade.
		" R. G. Woodthorpe, R. E., L. S. [Topogl.]	Ditto	In charge Trans-Indus Party	750 0 0	Officiating Assistant Superintendent, 2nd grade.
	S	Lieut. E. P. Leach, R. E., L. S. [Topogl.]	Ditto	...	...	On furlough, p. a., for 18 months, from 26th November 1877.
	S	Mr. H. E. Gastrell, L. S. ... [Rev.]	Ditto	...	...	Leave on medical certificate from 23rd September 1875 to 23rd September 1876, again for 1 year from 25th January 1877 with an extension of 6 months and a further extension of 6 months without pay.
		" W. G. Beverley [G. T. S.]	Ditto	...	...	On furlough for 8 months, from 17th May 1877. Extended by 8 months and 29 days by the Secretary of State.
		" G. H. Cooke, L. S. ... [Rev.]	Ditto	10th, North Deccan [Topogl.] Survey, Bombay	600 0 0	
		Lieut. H. J. Harman, B. E., L. S. [G. T. S.]	Ditto	In charge Assam Valley Triangulation and survey operations in and around Darjeeling	670 0 0	Officiating Assistant Superintendent, 2nd grade.
	S	" G. W. Martin, s. c., H. S. [Rev.]	Ditto	...	...	Ditto ditto. Offg. Deputy Assay Master Calcutta.
		Capt. A. J. C. Scott, s. c., H. S. [Rev.]	Ditto	4th, Moradabad and Budaun Districts [Cadastral] Survey, N.-W. P.	600 0 0	Ditto ditto.
		Mr. E. C. Ryall ... [G. T. S.]	Ditto	Kumaun and Garhwal Survey	600 0 0	Ditto ditto.
		Lieut. S. G. C. Gore, B. E. [G. T. S.]	Ditto	Offg. In charge Guzerat Survey	670 0 0	Ditto ditto.
	S	" J. R. Holday, s. c., H. S. [Topogl.]	Ditto	On furlough for 2 years, from 29th April 1876.

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JUNIOR BRANCH.							
SURVEYORS.							
1ST GRADE.							
<i>Salary Rs. 500.</i>							
1	...	Mr. H. Duhan ... [G. T. S.]	Surveyor, 1st grade	Correspondence Office ...	1	500 0 0	Personal Assistant to the Surveyor General and Superintendent, Great Trigonometrical Survey.
2	...	" N. A. Belletty, L. s. ... [Topogl.]	Ditto	On duty at Head-quarters, Calcutta ...	2	500 0 0	Exclusive of Rs. 45, Presidency house-rent.
3	...	" G. Housden ... [Rev.]	Ditto	1st, Dera Ismail Khan District Survey, Punjab	3	500 0 0	
4	...	" W. H. Patterson, L. s. ... [Rev.]	Ditto	On deputation to Kamrup, Lakhiraj Survey, Assam	4	500 0 0	Exclusive of Assam allowance Rs. 50, and Deputation allowance Rs. 50.
5	...	" J. F. Bunness ... [Topogl.]	Ditto	Chief Draftsman, Head-quarters, Calcutta	5	600 0 0	
6	...	" A. Chamarett ... [Topogl.]	Ditto	Geographical Examiner, Head-quarters, Calcutta	6	500 0 0	Exclusive of Rs. 45, Presidency house-rent.
7	...	" H. B. Bost , <i>Dead. 7/7/79</i> [Topogl.]	Ditto	No. 1, Gwalior and Central India Survey	7	500 0 0	
8	...	" H. Beverley ... [G. T. S.]	Ditto	Officiating in charge, Burma Party ...	8	500 0 0	
9	...	" J. Peyton ... [G. T. S.]	Ditto	Kumaun and Garhwal Survey ...	9	500 0 0	
9	...	" A. D'Souza ... [G. T. S.]	Ditto	Guzerat Survey ...	9	500 0 0	
<i>A. F. Kelly</i>							
2ND GRADE.							
<i>Salary Rs. 400.</i>							
...	...	Mr. W. F. Kelly, H. s. ... [Rev.]	Surveyor, 2nd grade	Head Draftsman, Office of Superintendent, Revenue Branch, Head-quarters, Calcutta	...	450 0 0	Salary as Head Draftsman, exclusive of Rs. 100 as personal allowance and Rs. 30 Presidency house-rent.
1	...	" C. W. Campbell ... [Rev.]	Ditto	5th, Banda District [Cadastral] Survey, N. W. P.	1	400 0 0	
2	...	" E. Lofrie ... [Rev.]	Ditto	2nd, Sirsa District Revenue Survey, Punjab	2	400 0 0	
3	...	" G. H. Blythe ... [Rev.]	Ditto	2nd, Sirsa District Survey, Punjab	3	400 0 0	
4	...	" G. A. McGill, L. s. ... [Topogl.]	Ditto	No. 7, Topogl. Party, Rajputana Survey	4	400 0 0	
5	...	" D. Atkinson ... [Topogl.]	Ditto	No. 5, Bhopal and Malwa Topogl. Survey	5	400 0 0	
6	...	" C. J. Neuville ... [G. T. S.]	Ditto	No. 1, Extra Party ...	6	400 0 0	Doing duty with Tidal and Leveling Party during the absence on furlough of the Executive Officer.
7	...	" F. Grant ... [Rev.]	Ditto	8th, Western Soane [Irrigation] Survey, Ditch Shahabad, Behar	7	400 0 0	
8	...	" L. H. Clarke ... [G. T. S.]	Ditto	On duty at Head-quarters, Dehra Dún	8	400 0 0	
9	...	" W. Todd ... [G. T. S.]	Ditto	Kumaun and Garhwal Survey ...	9	400 0 0	
10	...	" R. W. Chew ... [Topogl.]	Ditto	Mysore Topogl. Survey ...	10	400 0 0	
11	...	" J. Low ... [G. T. S.]	Ditto	Burma Party ...	11	400 0 0	
...	...	" W. Sinclair ... [Rev.]	Ditto	Draftsman, Office of Superintendent of Revenue Branch, Head-quarters, Calcutta ...	...	400 0 0	Exclusive of Rs. 30, Presidency house-rent.
12	...	" C. Wood, L. s. ... [G. T. S.]	Ditto	Computing Office, Head-quarters, Dehra Dún	12	400 0 0	
3RD GRADE.							
<i>Salary Rs. 350.</i>							
1	...	Mr. H. E. T. Keelan ... [G. T. S.]	Surveyor, 3rd grade	Mysore Topogl. Survey ...	1	350 0 0	
2	...	" F. Bell, L. s. ... [G. T. S.]	Ditto	Kashmir Survey, Poona	2	350 0 0	
3	...	" P. A. G. Cowley, L. s. ... [Rev.]	Ditto	6th, Jaunpur District [Cadastral] Survey, N. W. P.	3	350 0 0	
4	...	" G. Atkinson ... [G. T. S.]	Ditto	Drawing Office, Head-quarters, Dehra Dún	4	350 0 0	
5	...	" A. J. Wilson, L. s. ... [Topogl.]	Ditto	On duty at Head-quarters, Calcutta ...	5	350 0 0	Exclusive of Rs. 30, Presidency house-rent.
6	...	" J. A. May ... [Topogl.]	Ditto	On duty, Office of Supdt., Rev. Branch, Head-quarters, Calcutta	6	350 0 0	
7	...	" A. D. Smart ... [Rev.]	Ditto	7th, Khorda Estate [Cadastral] Survey, Orissa Bengal	7	350 0 0	Exclusive of Rs. 30, Presidency house-rent.
8	...	" James Todd ... [Rev.]	Ditto	3rd, Saharanpur District [Topogl.] Survey, N. W. P.	8	350 0 0	
9	...	" G. David ... [Rev.]	Ditto	7th, Khorda Estate [Cadastral] Survey, Orissa, Bengal	9	350 0 0	
10	...	" G. Rice ... [Rev.]	Ditto	8th, Western Soane [Irrigation] Survey, Ditch Shahabad, Behar	10	350 0 0	
11	...	" S. M. Smylie, L. s. ... [Rev.]	Ditto	11th, South Deccan [Topogl.] Survey, Bombay Presidency	11	350 0 0	
12	...	" F. Adams ... [Topogl.]	Ditto	On duty at Head-quarters, Calcutta ...	12	350 0 0	
13	...	" J. S. Pemberton, L. s. ... [Rev.]	Ditto	On duty, Office of Superintendent, Revenue Branch, Head-quarters, Calcutta ...	13	350 0 0	Exclusive of Rs. 30, Presidency house-rent.
14	...	" R. D. Farrell ... [Topogl.]	Ditto	On duty at Head-quarters, Calcutta ...	14	350 0 0	Ditto ditto.
15	...	" H. R. Littlewood ... [Rev.]	Ditto	9th, Cuttack District [Irrigation] Survey, Orissa	15	350 0 0	
16	...	" W. A. Wilson, L. s. ... [Rev.]	Ditto	4th, Moradabad and Budaun Districts Survey, N. W. P. ...	16	350 0 0	
<i>W. A. Wilson</i>							
4TH GRADE.							
<i>Salary Rs. 300.</i>							
1	...	Mr. W. S. Buttress ... [Rev.]	Surveyor, 4th grade	1st, Dera Ismail Khan District Survey, Punjab	1	300 0 0	
2	...	" T. W. Reilly, L. s. ... [Rev.]	Ditto	On duty, Office of Superintendent, Revenue Branch, Head-quarters, Calcutta ...	2	300 0 0	Exclusive of Rs. 30, Presidency house-rent.

Classified List of the Officers of the Junior or Subordinate Department of the Survey of India as it stood on the 1st October 1878—continued.

No. sanctioned.	No. existing in each grade.	Names of Officers and Branch to which originally posted.	Substantive Appointment.	Survey Party to which at present attached.	No. existing in each grade.	Consolidated Salary.	REMARKS.
		JUNIOR BRANCH—contd.				Rs. A. P.	
		SURVEYORS—concl'd.					
		4TH GRADE—contd.					
		<i>Salary Rs. 300.—contd.</i>					
3		Mr. E. S. P. Atkinson ... [Topogl.]	Surveyor, 4th grade	No. 7, Rajputana Topogl. Survey	3	300 0 0	
4		„ W. R. Vyall ... [Rev.]	Ditto	7th, Khorda Estate [Cadastral] Survey, Orissa	4	300 0 0	
5		„ A. M. Lawson, L. s. ... [Rev.]	Ditto	10th, North Deccan [Topogl.] Survey, Bombay	5	300 0 0	
6		„ A. J. Gibson ... [Rev.]	Ditto	1st, Dera Ismail Khan District Survey, Punjab	6	300 0 0	
8		„ M. J. Ogle ... [Topogl.]	Ditto	...	8	...	On furlough for 1 year, from 21st November 1877.
7		„ A. G. Wyatt ... [Topogl.]	Ditto	No. 2, Khandesh and Bombay Native States Topogl. Survey	7	300 0 0	
8		„ H. Peychers ... [G. T. S.]	Ditto	Computing Office, Head-quarters, Dehra Dún	8	300 0 0	
9		„ G. Belcham ... [G. T. S.]	Ditto	Madras Party	9	300 0 0	
10		„ H. Dowman ... [Rev.]	Ditto	7th, Khorda Estate [Cadastral] Survey, Orissa	10	300 0 0	
11		„ E. Little ... [Rev.]	Ditto	5th, Banda District [Cadastral] Survey, N.-W. P.	11	300 0 0	
12		„ H. T. Hanby, L. s. ... [Rev.]	Ditto	4th, Moradabad and Budaun Districts [Cadastral] Survey, N.-W. P.	12	300 0 0	
13		„ L. J. Pocock, H. s. ... [G. T. S.]	Ditto	Mysore Topogl. Survey	13	300 0 0	
14		„ G. B. Scott, L. s. ... [Rev.]	Ditto	1st, Dera Ismail Khan District Survey, Punjab	14	300 0 0	
15		„ A. Christie, H. s. ... [G. T. S.]	Ditto	Guzerat Survey	15	300 0 0	
16		„ W. O'Sullivan ... [G. T. S.]	Ditto	Assam Survey, Darjeeling	16	300 0 0	
17		„ N. C. Gwynne ... [G. T. S.]	Ditto	Kattywar Survey, Poona	17	300 0 0	
18		„ W. C. Price ... [G. T. S.]	Ditto	Trans-Indus Party	18	300 0 0	
19		„ C. H. McA'Fee, L. s. ... [G. T. S.]	Ditto	Guzerat Survey	19	300 0 0	
20		„ J. A. Vanderputt ... [Topogl.]	Ditto	No. 7, Rajputana Topogl. Survey.	20	300 0 0	
21		„ C. F. Hamer ... [Topogl.]	Ditto	No. 5, Bhopal & Malwa Topogl. Survey	21	300 0 0	
23		ASSISTANT SURVEYORS.					
		1ST GRADE.					
		<i>Salary Rs. 250.</i>					
...		Mr. C. A. R. Scanlan ... [Topogl.]	Asst. Surveyor, 1st grade	On duty at Head-quarters, Calcutta	1	300 0 0	Offg. Surveyor, 4th grade, exclusive of Rs. 30, Presidency house-rent.
1		„ J. H. O'Donel ... [Rev.]	Ditto	Eastern Soane [Irrigation] Survey, District Patna, Behar	1	250 0 0	
8		„ A. Chennell ... [Topogl.]	Ditto	...	8	...	On furlough for 1 year, from 21st November 1877.
2		„ P. Ford, L. s. ... [Rev.]	Ditto	2nd, Sirea District Survey, Punjab	2	250 0 0	
3		„ A. James ... [Topogl.]	Ditto	Mysore Topogl. Survey	3	250 0 0	
4		„ T. E. M. Claudius ... [Topogl.]	Ditto	No. 1, Gwalior and Central India Topogl. Survey	4	250 0 0	
5		„ T. H. Rendell ... [G. T. S.]	Ditto	Tidal and Leveling operations	5	250 0 0	
6		„ R. Todd ... [Topogl.]	Ditto	1st, Dera Ismail Khan District Survey, Punjab	6	250 0 0	
7		„ C. Tapsell, L. s. ... [Topogl.]	Ditto	On duty at Head-quarters, Calcutta	7	250 0 0	Exclusive of Rs. 20, Presidency house-rent.
8		„ D. A. King ... [Rev.]	Ditto	On special duty, Chota Nagpore Estate [Cadastral] Survey, Bengal	8	250 0 0	
9		„ R. B. Smart, Jr., L. s. ... [Rev.]	Ditto	5th, Banda District [Cadastral] Survey, N.-W. P.	9	250 0 0	
10		„ F. Kitchen ... [Topogl.]	Ditto	Mysore Topogl. Survey	10	250 0 0	
11		„ W. Stotesbury, H. s. ... [Topogl.]	Ditto	Ditto ditto	11	250 0 0	
12		„ Hugh Todd ... [G. T. S.]	Ditto	Mysore Topogl. Survey	12	250 0 0	

Classified List of the Officers of the Junior or Subordinate Department of the Survey of India as it stood on the 1st October 1878—continued.

No. sanctioned.	No. existing in each grade.	Names of Officers and Branch to which originally posted.	Substantive Appointment.	Survey Party to which at present attached.	No. existing in each grade.	Consolidated Salary.	REMARKS.
		JUNIOR BRANCH—contd.					
		ASSISTANT SURVEYORS—contd.					
		1st GRADE—contd.					
		<i>Salary Rs. 250—contd.</i>					
	13	Mr. E. J. Connor, L. s. ... [G. T. S.]	Asst. Surveyor, 1st grade ...	No. 1, Extra Party ...	13	250 0 0	Doing duty with Tidal and Leveling Party during the absence on furlough of the Executive Officer.
		„ J. Connor ... [Rev.]	Ditto ...	Draftsman, Office of Supdt., Revenue Branch, Headquarters, Calcutta ...			
	14	„ T. H. Dunne, L. s. ... [Rev.]	Ditto ...	7th, Khorda Estate [Cadastral] Survey, Orissa ...	14	325 0 0 250 0 0	Draws Rs. 325 salary as Draftsman, exclusive of Rs. 20, Presidency house-rent.
		„ W. J. Lane ... [Rev.]	Ditto ...	Draftsman, Office of Supdt., Revenue Branch, Headquarters, Calcutta ...			
	15	„ J. Bond ... [G. T. S.]	Ditto ...	No. 2, Extra Party ...	15	275 0 0 250 0 0	Draws Rs. 275 salary as Draftsman, exclusive of Rs. 20, Presidency house-rent Doing duty with the Guzerat Party during the absence on furlough of the Executive Officer.
	16	„ C. D. Potter, L. s. ... [G. T. S.]	Ditto ...	Madras Party ...	16	250 0 0	
	17	„ T. Kinuey, L. s. ... [G. T. S.]	Ditto ...	Kumaun and Garhwal Party Survey ...	17	250 0 0	
	18	„ J. Newland, L. s. ... [Rev.]	Ditto ...	10th, North Deccan [Topogl.] Survey, Bombay Presidency ...	18	250 0 0	
	19	„ J. A. Barker ... [Topogl.]	Ditto ...	No. 2, Khandesh and Bombay Native States [Topogl.] Survey ...	19	250 0 0	
	20	„ E. A. Wainright, L. s. ... [Topogl.]	Ditto ...	No. 5, Bhopal & Malwa Topogl. Survey ...	20	250 0 0	
	21	„ R. C. D. Ewing, H. s. ... [Rev.]	Ditto ...	3rd, Saharanpur Dist. [Topogl.] Survey, N.-W. P. ...	21	250 0 0	
	22				22		
	23				23		
25		2ND GRADE.					
		<i>Salary Rs. 200.</i>					
		Mr. W. J. Cornelius, L. s. ... [Topogl.]	Asst. Surveyor, 2nd grade ...	No. 1, Gwalior & Central India Topogl. Survey ...		250 0 0	Officiating Assistant Surveyor, 1st grade.
	1	„ W. W. McNair, L. s. ... [Topogl.]	Ditto ...	Mysore Topogl. Survey ...	1	200 0 0	
	2	„ J. T. U. Coxen ... [Rev.]	Ditto ...	11th, South Deccan [Topogl.] Survey, Bombay Presidency ...	2	200 0 0	
	3	„ W. F. Pettigrew ... [Topogl.]	Ditto ...	No. 2, Khandesh & Bombay Native States Topogl. Survey ...	3	200 0 0	
	4	„ G. W. Jarbo, L. s. ... [Rev.]	Ditto ...	5th, Banda Dist. [Cadastral] Survey, N. W. P. ...	4	200 0 0	
	5	„ P. J. W. Doran, L. s. ... [Topogl.]	Ditto ...	No. 1, Gwalior & Central India Topogl. Survey ...	5	200 0 0	
	6	„ J. R. Scott, L. s. ... [Rev.]	Ditto ...	9th, Cuttack Dist. [Irrigation] Survey, Orissa ...	6	200 0 0	
		„ J. McHatton, L. s. ... [Rev.]	Ditto ...	Draftsman, Office of Supdt., Rev. Branch, Headquarters, Calcutta ...		225 0 0	Draws Rs. 225 salary as Draftsman, exclusive of Rs. 20, Presidency house-rent.
	5	„ W. J. Smith, L. s. ... [Rev.]	Ditto ...	...	5	...	On sick leave for 1 year, from 17th July 1877, with extension of another year.
	7	„ H. T. Kitchen ... [Topogl.]	Ditto ...	No. 5, Bhopal & Malwa Topogl. Survey ...	7	200 0 0	
	8	„ A. Cooper ... [Topogl.]	Ditto ...	No. 2, Khandesh & Bombay Native States Topogl. Survey ...	8	200 0 0	
	9	„ J. H. Wilson, L. s. ... [Topogl.]	Ditto ...	No. 7, Rajputana Topogl. Survey ...	9	200 0 0	
	10	„ J. Hickie, L. s. ... [G. T. S.]	Ditto ...	Kumaun and Garhwal Party ...	10	200 0 0	
	11	„ W. Fielding, L. s. ... [G. T. S.]	Ditto ...	Kattywar Survey, Poona ...	11	200 0 0	
	12	„ S. O. Madras ... [Rev.]	Ditto ...	4th, Moradabad & Budaun Dists. [Cadastral] Survey, N.-W. P. ...	12	200 0 0	
	13	„ G. D. Cusson, L. s. ... [G. T. S.]	Ditto ...	Guzerat Survey ...	13	200 0 0	
	14	„ T. F. Freeman, L. s. ... [Rev.]	Ditto ...	5th, Banda Dist. [Cadastral] Survey, N.-W. P. ...	14	200 0 0	
	15	„ G. C. Swiney ... [Rev.]	Ditto ...	10th, North Deccan [Topogl.] Survey, Bombay Presidency ...	15	200 0 0	
	16	„ W. H. Lilley ... [Topogl.]	Ditto ...	No. 5, Bhopal & Malwa Topogl. Survey ...	16	200 0 0	
	17	„ J. S. Swiney ... [Rev.]	Ditto ...	Eastern Soane [Irrign.] Survey, Dist. Patna, Bihar ...	17	200 0 0	
	18	„ G. L. R. Scott, L. s. ... [Rev.]	Ditto ...	9th, Cuttack Dist. [Irrign.] Survey, Orissa ...	18	200 0 0	
	19	„ W. J. Lincoln, L. s. <i>Dead</i> [Rev.]	Ditto ...	4th, Moradabad and Budaun Dists. [Cadastral] Survey, N.-W. P. ...	19	200 0 0	
	20	„ B. Anderson, L. s. ... [Rev.]	Ditto ...	2nd, Sirsa Dist. Survey, Punjab ...	20	200 0 0	
	21	„ C. P. Torrens ... [G. T. S.]	Ditto ...	Jodhpore Series ...	21	200 0 0	
	22	„ W. Robert ... [Topogl.]	Ditto ...	Assam Survey, Darjeeling ...	22	200 0 0	

Classified List of the Officers of the Junior or Subordinate Department of the Survey of India as it stood on the 1st October 1878—continued.

No. sanctioned.	No. existing in each grade.	Names of Officers and Branch to which originally posted.	Substantive Appointment.	Survey Party to which at present attached.	No. existing in each grade.	Consolidated Salary.	REMARKS.
		JUNIOR BRANCH—contd.				Rs. A. P.	
		ASSISTANT SURVEYORS—contd.					
		2ND GRADE—contd.					
		<i>Salary Rs. 200—contd.</i>					
	23	Mr. T. Shaw, L. S. [Rev.]	Asst. Surveyor, 2nd grade	8th, Western Soane [Irrign.] Survey, Dist. Shahbad, Behar	23	200 0 0	
27	...	3RD GRADE.					
		<i>Salary Rs. 160.</i>					
	1	Mr. C. W. Wilson, L. S. [Rev.]	Asst. Surveyor, 3rd grade	3rd, Saharanpur Dist. [Topogl.] Survey, N.-W. P.	1	160 0 0	
	2	" C. W. F. Seyers [Rev.]	Ditto	Ditto ditto	2	160 0 0	
	3	" W. H. Penrose, L. S. [Rev.]	Ditto	11th, South Deccan [Topogl.] Survey, Bombay Presidency	3	200 0 0	Officiating Assistant Surveyor, 2nd grade.
	4	" E. J. Martin [Rev.]	Ditto	6th, Jaunpur Dist. [Cadastral] Survey, N.-W. P.	4	160 0 0	
	5	" W. D. Corbett [Rev.]	Ditto	4th, Moradabad and Budaun Dist. [Cadastral] Survey, N.-W. P.	5	160 0 0	
	6	" A. Bryson, H. S. [G. T. S.]	Ditto	Madras Party	6	160 0 0	
	7	" F. E. Warde [Topogl.]	Ditto	No. 2, Khandesh and Bombay Native States Topogl. Survey	7	160 0 0	
	8	" C. T. Templeton [Topogl.]	Ditto	No. 1, Gwalior and Central India Topogl. Survey	8	160 0 0	
	9	" J. McCay [Topogl.]	Ditto	No. 6, Khasi and Garo Hills Topogl. Survey	9	160 0 0	Exclusive of Rs. 40, Assam local allowance.
	10	" G. E. Parker [Rev.]	Ditto	On special duty, Chota Nagpore Estate [Cadastral] Survey, Bengal	10	160 0 0	
	11	" G. Campbell [Rev.]	Ditto	7th, Khorda Estate [Cadastral] Survey, Orissa	11	160 0 0	
	12	" W. G. A. ... [Topogl.]	Ditto	No. 7, Rajputana Topogl. Survey	12	160 0 0	
	13	" W. Oldham L. S. (Canarese) [G. T. S.]	Ditto	Kattywar Survey, Poona	13	160 0 0	
	14	" J. C. ... [G. T. S.]	Ditto	Eastern Frontier Series	14	160 0 0	
	15	" J. O. Hughes [G. T. S.]	Ditto	Burma Party	15	160 0 0	
	16	" G. T. Hall [G. T. S.]	Ditto	Kattywar Survey, Poona	16	160 0 0	
	17	" G. Vander Beek, L. S. [Topogl.]	Ditto	No. 2, Khandesh and Bombay Native States Topogl. Survey	17	160 0 0	
	18	" J. G. Murray, L. S. [Topogl.]	Ditto	...	18	160 0 0	
	19	" J. Murphy [Rev.]	Ditto	4th, Moradabad and Budaun Dist. [Cadastral] Survey, N.-W. P.	19	160 0 0	
	20	" C. W. J. Ford [Rev.]	Ditto	9th, Cuttack Dist. [Irrign.] Survey, Orissa	20	160 0 0	
	21	" A. W. Smart [Rev.]	Ditto	6th, Jaunpur District [Cadastral] Survey, N.-W. P.	21	160 0 0	
	22	" W. M. Kelly, L. S. [Rev.]	Ditto	5th, Banda Dist. [Cadastral] Survey, N. W. P.	22	160 0 0	Re-appointed in Mr. H. G. Young's position after employment in the Forest Department.
	23	" P. E. Heberlet [Rev.]	Ditto	N.-W. P. Cadastral, Revision Survey, Azamgarh and Hamirpur Districts	23	160 0 0	
	24	" A. Kitchen [Topogl.]	Ditto	No. 5, Bhopal and Malwa Topogl. Survey	24	160 0 0	
	25	" P. White [Topogl.]	Ditto	Eastern Frontier Series	25	160 0 0	Officiating Assistant Surveyor, 3rd grade.
	26	" B. M. Wilson [Rev.]	Ditto	9th, Cuttack District [Irrign.] Survey, Orissa	26	160 0 0	
	27	" E. P. S. Hill [Rev.]	Ditto	5th, Banda District [Cadastral] Survey, N.-W. P.	27	160 0 0	Exclusive of Rs. 20, Presidency house-rent.
24	27	" R. A. Gibson [Topogl.]	Ditto	On duty at Head-quarters, Calcutta	27	160 0 0	
	28	" H. S. Gasper					
	29	" R. R. Dickinson, L. S.					
		4TH GRADE.					
		<i>Salary Rs. 120.</i>					
	1	Mr. E. H. S. Gasper [Rev.]	Asst. Surveyor, 4th grade	6th, Jaunpur District [Cadastral] Survey, N.-W. P.	1	120 0 0	
	2	" R. R. Dickinson, L. S. [Rev.]	Ditto	10th, North Deccan [Topogl.] Survey, Bombay Presidency	2	120 0 0	
	3	" E. B. M. Drew [Rev.]	Ditto	...	3	...	

Classified List of Officers of the Junior or Subordinate Department of the Survey of India as it stood on the 1st October 1878—concluded.

No. sanctioned.	No. existing in each grade.	Names of Officers and Branch to which originally posted.	Substantive Appointment.	Survey Party to which at present attached.	No. existing in each grade.	Consolidated Salary.			REMARKS.
						Rs.	A.	P.	
		JUNIOR BRANCH—concl'd.							
		ASSISTANT SURVEYORS—concl'd.							
		4TH GRADE—concl'd.							
		<i>Salary Rs. 120.</i>							
	3	Mr. J. F. Macarthy, L. s. ... [G. T. S.]	Asst. Surveyor, 4th grade ...	Eastern Frontier Series ...	3	120	0	0	
2	4	„ E. Graham, L. s. ... [Topogl.]	Ditto ...	No. 2, Khandesh and Bombay Native Sta Topogl. Survey ...	4	120	0	0	
3	5	„ G. L. Fleming ... [Topogl.]	Ditto ...	Mysore Topogl. Survey ...	5	120	0	0	
4	6	„ G. R. Copping, L. s. ... [Topogl.]	Ditto ...	No. 5, Bhopal and Malwa Topogl. Survey	6	120	0	0	
5	7	„ G. A. Knight ... [Topogl.]	Ditto ...	Mysore Topogl. Survey ...	7	120	0	0	
6	8	„ D. J. Collins ... [G. T. S.]	Ditto ...	Assam Survey, Darjeeling ...	8	120	0	0	
7	9	„ P. A. Peters, L. s. ... [Rev.]	Ditto ...	1st, Dera Ismail Khan District Survey, Punjab	9	120	0	0	
8	10	„ H. Corkery, L. s. ... [G. T. S.]	Ditto ...	Kattywar Survey, Poona	10	120	0	0	
9	11	„ H. P. Adels Dead ... [Rev.]	Ditto ...	9th, Cuttack District [Irrgn.] Survey, Orissa	11	120	0	0	
10	12	„ P. F. Prunty ... [G. T. S.]	Ditto ...	Jodhpore Series ...	12	120	0	0	
11	13	„ J. Keating ... [G. T. S.]	Ditto ...	Kattywar Survey, Poona	13	120	0	0	
12	14	„ C. S. Kraal, L. s. ... [Rev.]	Ditto ...	2nd, Sirsa Dist. Survey, Punjab	14	120	0	0	
13	15	„ S. F. Norman ... [G. T. S.]	Ditto ...	Guzerat Survey ...	15	120	0	0	
14	16	„ C. Norman, L. s. ... [G. T. S.]	Ditto ...	Ditto ...	16	120	0	0	
15	17	„ D. Campbell ... [Topogl.]	Ditto ...	No. 6, Khasi and Garrow Hills Topogl. Survey	17	120	0	0	
16	18	„ T. Campbell ... [Rev.]	Ditto ...	8th, Western Soane [Irrign.] Survey, Dist. Shah bad, Behar ...	18	120	0	0	Exclusive of Rs. 40, Assam local allowance.
17	19	„ R. F. Warwick, L. s. ... [G. T. S.]	Ditto ...	Guzerat Party ...	19	120	0	0	
18	20	„ L. F. Berkeley ... [Rev.]	Ditto ...	4th, Moradabad and Budaun Districts [Cada Survey, N.-W. P. ...	20	120	0	0	
19	21	„ J. M. Kennedy ... [G. T. S.]	Ditto ...	Mysore Topogl. Survey ...	21	120	0	0	
20	22	„ G. P. Tate ... [Topogl.]	Proby. Assistant Surveyor ...	No. 1, Gwalior and Central India Topogl. Survey	22	120	0	0	
21	23	„ P. C. H. Smart ... [Rev.]	Ditto ...	5th, Banda District [Cada.] Survey N.-W. P.	23	120	0	0	
22	24	„ W. H. D. Ewing ... [Rev.]	Asst. Surveyor, 4th grade ...	4th, Moradabad and Budaun Districts [Cada Survey, N.-W. P. ...	24	120	0	0	
23	25	„ C. George ... [Topogl.]	Ditto ...	No. 2, Khandesh and Bombay Native Sta [Topogl.] Survey	25	120	0	0	
24	26				26	120	0	0	
25	27	Vacancies.			27				
26	28				28				
27	29				29				

General List of the Officers of the Senior Department of the Survey of India as it stood on the 1st October 1878.

1 Genl. Seniority Number.	2 Names of Officers and Branch to which originally posted.	3 Passed in Vernacular.	4 Age.	5 Rank.	6 Grade.	7 Salary.	8 General Seniority Number.	9 Date of first appointment to Department.	9 Date of appointment to present grade.	10 * Period of service counting for pension on 1st Oct. 1878.	11 Present Post.	12 REMARKS.
1	Major Genl. D. G. Vamerson, B. E. [Rev.]	P. H.	56 4 0	Superintendent, Revenue Branch ...	...	2,265 10 0	1	Oct. 3, 1846	Mar. 11, 1867	...	Deputy Surveyor General and Supdt. of Revenue Branch, Calcutta.	Includes Rs. 65-10 personal allowance.
2	Colonel F. C. Anderson, s. c. [Rev.]	P. H.	51 3 8	Deputy Superintendent ...	1st grade ...	1,627 14 0	2	Sep. 10, 1852	April 1, 1868	...	In charge 5th Banda District [Cadastral] Survey, N.-W. P.	Rs 27-14 personal allowance.
3	" J. Macdonald, s. c. [Rev.]	P. H.	48 4 20	Ditto ...	2nd grade ...	...	3	Sep. 10, 1852	Oct. 23, 1876	...	...	On furlough, p. a., for 2 years, from 6th May 1877.
4	Major Genl. H. C. Johnston, B. E. [Rev.]	P. H.	55 3 4	Ditto ...	1st grade ...	1,627 14 0	4	May 27, 1853	April 1, 1866	...	In charge 1st, Dera Ismail Khan, District Survey, Punjab.	Includes Rs. 27-14 personal allowance.
5	Colonel J. T. Walker, C. B., B. E., F. R. S. [G. T. S.]	P. H.	51 10 0	Surveyor General of India and Superintendent, Great Trig. and Topogl. Surveys.	...	3,090 0 0	5	Dec. 1, 1853	Jan. 1, 1878	...	Surveyor General and Superintendent, Great Trig. and Topogl. Surveys of India.	
6	Mr. J. B. N. Hennessey, M. A., F. R. S. [G. T. S.]	Not passed	49 2 0	Deputy Superintendent ...	1st grade ...	1,600 0 0	6	Apr. 1, 1854	April 1, 1866	23 3 15	In charge Head-quarters Offices, Dehra Dün.	Joined the junior branch, April 14, 1844.
7	Lieut.-Col. G. C. Depree, s. c. [Topogl.]	P. H.	46 1 29	Ditto ...	Ditto ...	1,600 0 0	7	Oct. 20, 1854	Oct. 20, 1866	...	In charge No. 7 Topographical Party, Rajputana Survey.	
8	Lieut.-Col. Branfill, B. C., [G. T. S.]	P. H.	44 10 8	Ditto ...	2nd grade ...	1,300 0 0	8	Oct. 4, 1858	Oct. 1, 1871	...	In charge Madras Party, Bangalore.	
9	Major H. R. Thuillier, B. E. [G. T. S.]	P. H.	40 6 5	Ditto ...	{ 1st grade† 2nd grade	1,482 10 0	9	{ ... May 21, 1859	{ July 18, 1871 April 1, 1874 }	...	In charge Mysore Topographical Surveys.	
10	Lieut.-Col. C. T. Haig, B. E. [G. T. S.]	Not passed	44 2 15	Ditto ...	2nd grade ...	...	10	Sept. 22, 1859	Oct. 1, 1876	...	...	On furlough, p. a., for 1 year and 190 days, from 31st March 1877.
11	Major J. Sconce, s. c., [Rev.]	P. H.	42 5 29	Ditto ...	Ditto ...	1,300 0 0	11	Oct. 21, 1859	April 1, 1869	...	In charge 8th, Western Soane [Irrigation] Survey, District Shahabad, Behar.	
12	" J. Herschel, B. E., F. R. S. [G. T. S.]	P. H.	40 11 1	Ditto ...	Ditto ...	1,482 10 0	12	Nov. 12, 1859	Oct. 1, 1867	...	On duty at Head-quarters Offices, Dehra Dün.	Sick leave from 2nd May to 30th June 1846. Ditto from 20th October 1848 to 20th January 1849. Ditto from 8th July 1857 to 13th January 1858. Note.—Absence without leave for three days was erroneously entered in list on 1st October 1872 against Mr. R. P. Smart's name. Joined the junior branch, 21st September 1846.
13	Mr. R. B. Smart ... [Rev.]	Not passed	51 6 28	Ditto ...	Ditto ...	1,300 0 0	13	Oct. 6, 1860	April 1, 1869	31 1 9	In charge 7th, Khorda Estate [Cadastral] Survey, Orissa.	
14	Major D. Macdonald, s. c. ... [Rev.]	P. H.	42 9 21	Ditto ...	Ditto ...	1,300 0 0	14	Dec. 19, 1860	Jan. 1, 1878	...	In charge, 2nd Sirsa District Survey, Punjab.	
15	" F. Coddington, s. c. ... [Rev.]	P. H.	40 4 28	Ditto ...	3rd grade ...	1,300 0 0	15	Jan. 17, 1862	July 26, 1867	...	On duty Head-quarters, Revenue Branch, Calcutta.	Officiating Deputy Superintendent, 2nd grade. Exclusive of Rs. 80 residency allowance.
16	" T. T. Carter, B. E. [G. T. S.]	P. H.	40 7 22	Ditto ...	{ 2nd grade† 2nd grade	1,482 10 0	16	{ ... Mar. 1, 1862	{ Oct. 1, 1871 Jan. 1, 1878 }	...	In charge Kumaun and Garhwal party.	
17	Captain W. Barron, s. c. ... [Rev.]	P. H.	40 8 15	Ditto ...	3rd grade ...	1,000 0 0	17	June 27, 1862	April 1, 1870	...	In charge 4th Moradabad and Budoun Districts [Cadastral] Survey, N.-W. P.	
18	" G. Strahan, B. E. [Topogl.]	P. H.	39 7 24	Ditto ...	2nd grade ...	...	18	July 2, 1862	Oct. 26, 1870	...	...	On furlough, p. a., for 2 years, from 1st May 1877.
19	" R. V. Riddell, B. E. [Topogl.]	P. H.	38 6 20	Ditto ...	3rd grade ...	1,440 0 0	19	Aug. 28, 1862	Oct. 1, 1867	...	Officiating Supdt., Mathl. Instt. Dept. and in charge Litho. Branch, Head-quarters, Calcutta.	Officiating Deputy Superintendent, 2nd grade. Rs. 200 Local allowance. Assistant Surveyor General.
20	Major H. C. B. Tanner, Bombay, s. c. [Rev.]	P. H.	43 2 15	Ditto ...	Ditto ...	1,000 0 0	20	Oct. 10, 1862	April 1, 1870	...	In charge 11th, South Deccan [Topographical] Survey, Bombay Presy.	
21	Mr. E. T. S. Johnson ... [Rev.]	Not passed	50 5 2	Ditto ...	Ditto ...	1,000 0 0	21	Nov. 21, 1862	July 5, 1870	30 11 19	In charge 6th, Jaunpur District [Cadastral] Survey, N.-W. P.	Joined the junior branch, 13th October 1847.
22	Captain D. C. Andrew, s. c. ... [Rev.]	P. H.	37 6 13	Ditto ...	Ditto ...	...	22	Dec. 30, 1862	Jan. 1, 1878	...	...	On furlough, p. a., for 2 years, from 26th May 1878.
23	Major A. Pullan, s. c. [G. T. S.]	P. H.	42 6 0	Ditto ...	Ditto ...	...	23	Jan. 18, 1863	Ditto ...	...	...	On furlough, p. a., for 1 year, from 13th May 1878.
24	" W. M. Campbell, B. E. [G. T. S.]	Passed	39 2 12	Ditto ...	Ditto ...	...	24	Jan. 30, 1863	Feb. 1, 1867	...	...	On furlough, p. a., for 1 year, from 1st February 1878.
25	" W. H. Wilkins, s. c. ... [Rev.]	P. H.	36 11 25	Assistant Superintendent ...	1st grade ...	1,000 0 0	25	Apr. 27, 1863	April 27, 1867	...	In charge 3rd, Saharanpur District [Topographical] Survey, N.-W. P.	Officiating Deputy Superintendent, 3rd grade.
26	Captain H. Trotter, B. E. [G. T. S.]	Not passed	31 1 1	Deputy Superintendent ...	3rd grade ...	...	26	Sept. 5, 1863	Jan. 26, 1869	...	...	On furlough, p. a., 2 years, from 20th February 1870. Services placed at the disposal of the British Foreign Office.
27	" C. Strahan, B. E. [Topogl.]	Not passed	35 4 25	Ditto ...	Ditto ...	1,440 0 0	27	Sept. 26, 1863	Dec. 1, 1867	...	In charge No. 1, Gwalior and Central India Topographical Survey.	Officiating Deputy Superintendent, 2nd grade.
28	" E. W. Samuells, s. c. ... [Rev.]	P. H.	36 2 24	Assistant Superintendent ...	1st grade ...	1,000 0 0	28	Dec. 17, 1863	Jan. 25, 1868	...	In charge 10th North Deccan [Topographical] Survey, Bombay Presy.	Officiating Deputy Superintendent, 3rd grade.
29	" J. E. Sandeman, s. c. ... [Rev.]	P. H.	35 0 29	Ditto ...	Ditto ...	1,000 0 0	29	Oct. 6, 1864	Oct. 6, 1868	...	On special duty, Chota Nagpore Estate [Cadastral] Survey, Bengal.	Ditto ditto.
30	Major W. F. Badgley, s. c. [Topogl.]	P. H.	40 10 21	Ditto ...	Ditto ...	1,075 0 0	30	May 3, 1865	May 8, 1868	...	In charge No. 6, Khasi and Garo Hills Topographical Survey.	Ditto ditto.
31	Mr. J. Campbell ... [Rev.]	Not passed	50 7 27	Ditto ...	Ditto ...	1,000 0 0	31	Nov. 29, 1865	Nov. 29, 1867	27 11 29a	N.-W. P. [Cadastral] Revision Survey, Agra, Azamgarh and Hamirpur Distts.	{ Ditto ditto. (a) Service reckoned under new rules. Furlough, p. a., from 9th May 1877 to 6th January 1878 inclusive. Joined the junior branch, 8th October 1844.
32	Captain W. J. Heaviside, B. E. [G. T. S.]	P. H.	38 3 27	Deputy Superintendent ...	3rd grade ...	...	32	Mar. 1, 1866	April 5, 1872	...	...	Furlough in India and Europe for 1 year, from 16th November 1877.
33	Capt. H. Lees Smith, M. A.; L. L. B.; s. c. [Rev.]	P. H.	39 6 18	Assistant Superintendent ...	1st grade ...	1,000 0 0	33	Mar. 26, 1866	June 18, 1870	...	3rd, Saharanpur District [Topogl.] Survey, N.-W. P.	
34	Mr. J. O. N. James [Topogl.]	...	49 1 25	Deputy Superintendent ...	3rd grade ...	...	34	April 1, 1866	April 1, 1869	32 8 3	...	Joined the Junior Branch, 29th July 1845. On furlough for 2 years, from 1st April 1878.

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

† Of the two grades here given, the first was under the organization of 1866.

General List of the Officers of the Senior Department of the Survey of India as it stood on the 1st October 1878 — concluded.

1	2	3	4	5	6	7	8	9	10	11	12	
Genl. Seniority Number.	Names of Officers and Branch to which originally posted.	Passed in Vernacular.	Age.	Rank.	Grade.	Salary.	General Seniority Number.	Date of first appointment to Department.	Date of appointment to present grade.	*Period of service counting for pension on 1st Oct. 1878.	Present Post.	REMARKS.
			Y. M. D.			Rs. A. P.				Y. M. D.		
35	Mr. H. B. Talbot ... [Rev.]	L. S.	49 11 5	Asst. Superintendent ...	{ 1st grade† 2nd grade	750 0 0	35	April 1, 1866	Sept. 12, 1870 } April 1, 1874 }	29 10 0	Eastern Soane [Irrigation] Survey, District Patna, Behar.	Offg. Asst. Supdt., 1st grade. Joined the Junior Branch 1st Dec. 1848.
36	Captain T. H. Holdich, B. E. [Topogl.]	L. S.	35 7 16	Ditto ...	1st grade ...	...	36	July 23, 1866	Dec. 15, 1868	...	...	On furlough, p. a., for 2 years, from 14th May 1877.
37	" J. Waterhouse, s. c. [Topogl.]	P. H.	36 2 8	Ditto ...	1st grade ...	1,000 0 0	37	July 23, 1866	June 17, 1870	...	In charge Photographic Branch, Headquarters, Calcutta.	Offg. Depy. Supdt., 3rd grade; Asst. Survr. Genl., Rs. 200 Local allowance.
38	" M. W. Rogers, B. E. [G. T. S.]	L. S.	36 7 12	Ditto ...	1st grade ...	1,140 0 0	38	July 30, 1866	Dec. 15, 1868	...	In charge Jodhpur Series ...	Offg. Depy. Supdt., 3rd grade.
39	" J. Hill, B. E. ... [G. T. S.]	Not passed	37 9 7	Ditto ...	1st grade ...	1,140 0 0	39	Dec. 18, 1866	Oct. 30, 1870	...	In charge Eastern Frontier Series ...	Ditto ditto.
40	Mr. W. H. Cole, M. A. ... [G. T. S.]	H. S.	40 9 16	Ditto ...	{ 1st grade† 2nd grade	750 0 0	40	Jan. 3, 1867 ^a Sept. 1, 1867 ^b	Dec. 4, 1870 } Jan. 1, 1878 }	10 8 29	On duty at Head-quarters Offices, Dehra Dün.	Offg. Asst. Supdt., 1st grade. Excludes service as Professor of Mathematics, Govt. College, Agra, from 14th April 1862 to end of Feb. 1864. (b) Brought on the strength of the Department. Offg. Asst. Supdt., 1st grade.
41	Captain S. H. Cowan, s. c. ... [Rev.]	P. H.	37 0 16	Ditto ...	2nd grade ...	750 0 0	41	Jan. 19, 1867	Mar. 17, 1868	...	Offg. in charge Photographic Branch, Surveyor General's Office, Calcutta.	Offg. Asst. Survr. Genl., Offg. Asst. Supdt., 1st grade.
42	" E. H. Steel, s. c. ... [Rev.]	H. S.	37 4 26	Ditto ...	2nd grade ...	750 0 0	42	Feb. 1, 1867	May 20, 1869	...	In charge Engraving and Cartographic Branches, Head-quarters, Calcutta.	Offg. Asst. Supdt., 1st grade.
43	" H. S. Hutchinson, s. c. [Rev.]	P. H.	38 5 20	Ditto ...	2nd grade ...	750 0 0	43	Aug. 13, 1867	Aug. 13, 1868	...	11th, South Deccan [Topogl.] Survey, Bombay Presidency.	Offg. Asst. Supdt., 1st grade.
44	Mr. H. Horst ... [Topogl.]	Not passed	44 4 27	Ditto ...	1st grade ...	650 0 0	44	April 1, 1868	Oct. 1, 1869	24 1 0 ^c	In charge No. 2 or Khandesh and Bombay Native States Topographical Survey.	Joined the Junior Branch, 1st Sept. 1854. (c) Exclusive of 20 months' service in the Roorkee C. E. College.
45	Captain R. Bevan, s. c. ... [Rev.]	P. H.	34 0 11	Ditto ...	{ 2nd grade† 3rd grade	624 1 0	45	July 17, 1868	Nov. 9, 1869 } Jan. 1, 1878 }	...	1st, Dera Ismail Khan District Survey, Punjab.	Offg. Asst. Supdt., 1st grade. Includes Rs. 24-1-0 personal allowance.
46	Mr. E. J. Jackson ... [Rev.]	L. S.	34 9 0	Ditto ...	2nd grade ...	600 0 0	46	Nov. 5, 1868	Nov. 5, 1868	11 0 28	5th, Banda District [Cadastral] Survey, N.-W. P.	Joined the Junior Branch, 28th Sept. 1864. Sick leave from 4th July to 3rd Aug. 1867. Sick leave from 19th Aug. to 30th Nov. 1867. Europe, medical certificate, from 23rd July 1871 to 10th Nov. 1872. Offg. Asst. Supdt., 1st grade.
47	Captain A. W. Baird, B. E. ... [G. T. S.]	Passed	36 4 26	Ditto ...	{ 1st grade† 2nd grade	890 0 0	47	Dec. 4, 1868	Oct. 1, 1871 } April 1, 1874 }	...	In charge Tidal and Leveling Operations, Bombay.	Offg. Asst. Supdt., 1st grade. Joined the Junior Branch, 19th Nov. 1862. Sick leave for one month from 20th June 1869.
48	Mr. E. C. Barrett ... [Rev.]	H. S.	35 5 16	Ditto ...	2nd grade ...	750 0 0	48	Dec. 30, 1868	Dec. 30, 1868	15 9 13	In charge 9th, Cuttack District [Irrigation] Survey Orissa.	Offg. Asst. Supdt., 1st grade. Furlough on p. a., for 1 year and 3 days, from 5th Nov. 1877.
49	Captain J. R. McCullagh, B. E. [G. T. S.]	L. S.	36 6 5	Ditto ...	{ 1st grade† 2nd grade	...	49	Feb. 12, 1869	Jan. 1, 1872 } April 1, 1874 }	...	...	...
50	Mr. H. E. Gastrell ... [Rev.]	L. S.	29 7 8	Ditto ...	{ 2nd grade† 3rd grade	...	50	Apr. 26, 1869	Apr. 26, 1870 } Jan. 1, 1878 }	4 11 1	...	Leave on medical certificate from 23rd September 1875 to 23rd September 1876; again from 25th Jan. 1877 for 1 year with 6 months' extension and a further extension of 6 months without pay. Offg. Asst. Supdt., 1st grade. Rs. 160 personal allowance.
51	Captain J. R. Wilmer, s. c. ... [Topogl.]	H. S.	37 8 12	Ditto ...	{ 1st grade† 2nd grade	750 0 0	51	Aug. 24, 1869	Aug. 28, 1872 } April 1, 1874 } May 10, 1871 } Jan. 1, 1878 }	...	In charge No. 5, Party, Bhopal and Malwa Topographical Survey.	Joined the Junior Branch, 6th Dec. 1866.
52	Mr. G. H. Cooke ... [Rev.]	L. S.	33 10 1	Ditto ...	{ 2nd grade† 3rd grade	600 0 0	52	April 1, 1870	April 1, 1873 } April 1, 1874 }	11 9 26	10th, North Deccan [Topographical] Survey, Bombay Presidency.	Offg. in charge Kattywar Survey, Poona
53	Mr. J. McGill ... [G. T. S.]	Not passed	47 11 9	Ditto ...	{ 1st grade† 2nd grade	750 0 0	53	Mar. 1, 1871	Jan. 17, 1873 } April 1, 1874 }	27 0 0	...	Offg. Depy. Asst. Master, Calcutta.
54	Lieut. G. W. Martin, s. c. ... [Rev.]	H. S.	31 4 2	Ditto ...	{ 3rd grade† 3rd grade	...	54	Mar. 24, 1871	April 1, 1874 } April 8, 1871 }	...	...	...
55	Mr. W. G. Beverley [G. T. S.]	Not passed	42 11 15	Ditto ...	{ 2nd grade† 3rd grade	...	55	April 1, 1871	Jan. 1, 1878 }	17 6 7	...	Joined the Junior Branch, 1st July 1854. Service reckoned up to 17th May 1877; furlough for 8 months from 17th May 1877, extended to 8 months and 29 days by the Secretary of State.
56	Captain R. G. Woodthorpe, B. E. [Topogl.]	L. S.	34 0 8	Ditto ...	{ 2nd grade† 3rd grade	670 0 0	56	July 14, 1871	July 14, 1871 } Jan. 1, 1878 }	...	In charge Trans-Indus Party.	...
57	Lieut. E. P. Leach, B. E. ... [Topogl.]	L. S.	31 5 29	Ditto ...	{ 2nd grade† 3rd grade	...	57	Oct. 6, 1871	Oct. 6, 1871 } Jan. 1, 1878 }	...	...	Furlough, on p. a., for 18 months, from 26th Nov. 1877.
58	Captain A. J. C. Scott, s. c. ... [Rev.]	H. S.	31 1 12	Ditto ...	3rd grade ...	600 0 0	58	Jan. 17, 1872	Jan. 17, 1873	...	4th, Moradabad and Budann Districts [Cadastral] Survey, N.-W. P.	Offg. Asst. Supdt., 2nd grade.
59	Lieut. H. J. Harman, B. E. ... [G. T. S.]	L. S.	28 4 17	Ditto ...	{ 2nd grade† 3rd grade	670 0 0	59	June 3, 1872	June 3, 1872 } Jan. 1, 1874 }	...	In charge Assam Survey, Darjeeling ...	Ditto ditto.
60	Mr. E. C. Ryall ... [G. T. S.]	Not passed	40 8 15	Ditto ...	{ 2nd grade† 3rd grade	600 0 0	60	April 1, 1873	April 1, 1873 } Jan. 1, 1874 }	23 5 6	Kumaun and Garhwal Survey	Ditto ditto. Joined the Junior Branch, 26th Apr. 1855. Two hundred and twenty-five days sick leave included under old rules.
61	Lieut. St. G. C. Gore, B. E. ... [G. T. S.]	Not passed	29 7 8	Ditto ...	{ 2nd grade† 3rd grade	670 0 0	61	April 11, 1873	Apr. 11, 1873 } Jan. 1, 1874 }	...	Officiating in charge Guzerat Survey	Offg. Asst. Supdt., 2nd grade. (d) Under the organization of 1874.
62	Lieut. J. R. Hobday, s. c. ... [Topogl.]	H. S.	28 2 16	Ditto ...	3rd grade†	...	62	Sept. 11, 1874	July 7, 1875	...	...	On furlough, p. a., for 2 years, from 20th April 1878.

* Applies only to officers who are under the Uncovenanted Service Rule. † Of the two grades here given, the first was under the organization of 1866.

General List of the Officers of the Junior or Subordinate Department of the Survey of India as it stood on the 1st October 1878.

1	2	3	4	5	6	7
Genl. Seniority Number.	Names of Officers and Branch to which originally posted.	Passed in Vernacular.	Age.	Rank.	Grade.	Salary.
			Y. M. D.			Rs. A.
1	Mr. Harry Duban ... [G. T. S.]	...	51 8 22	Surveyor	1st grade ...	500 0
2	G. H. Blythe ... [Rev.]	...	48 11 24	Ditto	2nd grade ...	400 0
3	B. Loftie ... [Rev.]	...	50 11 10	Ditto	Ditto ...	400 0
4	G. Housden ... [Rev.]	...	47 8 15	Ditto	1st grade ...	500 0
5	N. A. Belletty ... [Topogl.]	L. S.	50 0 27	Ditto	Ditto ...	500 0
6	C. David ... [Rev.]	...	50 9 0	Ditto	3rd grade ...	350 0
7	W. H. Patterson ... [Rev.]	L. S.	40 0 6	Ditto	1st grade ...	500 0
8	A. Chamarett ... [Topogl.]	...	45 10 1	Ditto	Ditto ...	500 0
9	H. J. Belat ... [Topogl.]	...	41 7 0	Ditto	Ditto ...	500 0
10	C. W. Campbell ... [Rev.]	...	47 4 24	Ditto	2nd grade ...	400 0
11	F. W. Kelly ... [Rev.]	H. S.	45 1 5	Ditto	Ditto ...	450 0
12	G. A. McGill ... [Topogl.]	L. S.	40 5 7	Ditto	Ditto ...	400 0
13	H. Beverley ... [G. T. S.]	...	39 11 3	Ditto	1st grade ...	500 0
14	W. Sinclair ... [Rev.]	...	41 0 6	Ditto	3rd grade ...	400 0
15	L. H. Clarke ... [G. T. S.]	...	44 3 26	Ditto	2nd grade ...	400 0
16	C. J. Neville ... [G. T. S.]	...	44 3 12	Ditto	Ditto ...	400 0
17	W. Todd ... [G. T. S.]	...	39 10 21	Ditto	Ditto ...	400 0
18	A. DeSouza ... [G. T. S.]	...	41 1 17	Ditto	1st grade ...	500 0
19	W. R. Vvall ... [Rev.]	...	39 9 2	Ditto	4th grade ...	300 0
20	F. Grant ... [Rev.]	...	42 6 6	Ditto	2nd grade ...	400 0
21	D. Atkinson ... [Topogl.]	...	41 4 24	Ditto	Ditto ...	400 0
22	J. A. Vanderputt ... [Topogl.]	...	39 11 17	Ditto	4th grade ...	350 0
23	J. F. Baness ... [Topogl.]	...	48 3 1	Ditto	1st grade ...	600 0
24	R. W. Chew ... [Topogl.]	...	39 2 8	Ditto	2nd grade ...	400 0
25	J. Low ... [G. T. S.]	...	38 7 0	Ditto	Ditto ...	400 0
26	C. Wood ... [G. T. S.]	L. S.	36 2 10	Ditto	Ditto ...	400 0
27	H. E. T. Keelan ... [G. T. S.]	...	35 6 1	Ditto	3rd grade ...	350 0
28	F. Bell ... [G. T. S.]	L. S.	36 5 6	Ditto	Ditto ...	350 0
29	G. Atkinson ... [G. T. S.]	...	34 11 20	Ditto	Ditto ...	350 0
30	P. A. G. Cowley ... [Rev.]	L. S.	36 8 15	Ditto	Ditto ...	350 0
31	G. Rae ... [Rev.]	...	36 9 9	Ditto	Ditto ...	350 0
32	T. W. Reiley ... [Rev.]	L. S.	36 3 27	Ditto	4th grade ...	300 0
33	E. Little ... [Rev.]	...	32 11 19	Ditto	Ditto ...	300 0
34	J. Peyton ... [G. T. S.]	...	50 8 2	Ditto	1st grade ...	500 0
35	B. M. Smylie ... [Rev.]	L. S.	36 10 5	Ditto	3rd grade ...	350 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. 1878.	Present Post.	REMARKS.	
		Y. M. D.			
1	April 22, 1845	April 1, 1866	28 4 9	Personal Assistant to Superintendent, G. T. Survey.	Service reckoned under new rules (10 months and 4 days' furlough to Europe excluded).
2	Dec. 1, 1846	Jan. 1, 1872	31 5 0	2nd, Sirsa District Survey, Punjab	Sick leave from 21st November 1870 to 20th April 1871.
3	Jan. 1, 1847	Jan. 1, 1871	31 9 0	Ditto ditto.	
4	Feb. 18, 1847	July 1, 1867	31 7 11	1st, Dera Ismail Khan District Survey, Punjab.	
5	July 16, 1847	April 1, 1866	31 2 16	On duty at Head-quarters, Calcutta	Exclusive of Rs. 45 Presidency house-rent.
6	Sept. 1, 1847	Jan. 1, 1872	31 1 0	7th, Khorda Estate [Cadastral] Survey, Orissa.	Office Assistant from 1st Sept. 1847 to 31st Dec. 1861.
7	Dec. 1, 1851	Jan. 1, 1871	17 2 8	On deputation to Kamrup, Lakhiraj Survey, Assam.	Leave, on p. a., from 1st May to 31st August 1862.
8	June 2, 1852	Mar. 1, 1871	26 3 29	Geographical Examiner, Head-quarters, Calcutta.	Leave, on p. a., to Europe, from 20th July 1872 to 18th Jan. 1873.
9	July 26, 1852	Oct. 1, 1872	18 0 3a	No. 1, Gwalior and Central India Topographical Survey.	Exclusive of Rs. 45 as Presidency house-rent.
10	Nov. 1, 1853	July 1, 1870	24 11 0	5th, Banda District [Cadastral] Survey, N.-W. P.	(a) Service reckoned under new rules.
11	Dec. 4, 1854	July 1, 1869	22 9 2	Head Draftsman, Office of Superintendent, Revenue Branch, Head-quarters, Calcutta.	Draws Rs. 450 salary as Head Draftsman, and Presidency house-rent Rs. 30.
12	April 8, 1855	Jan. 1, 1871	23 5 23	No. 7, Rajputana Topogl. Survey.	Personal allowance Rs. 100. Special leave for 4 months from 21st January 1858, which was overstayd from 21st May to 16th August 1858. Commencement of second service, 17th August 1858.
13	June 14, 1855	April 1871	23 3 17	Officiating in charge, Burma Party	30 days' leave included under old rules.
14	Oct. 1, 1855	April 1, 1869	17 6 26	Draftsman, Office of Supdt., Revenue Branch, Head-quarters, Calcutta.	On furlough, p. a., from 10th April to 23rd October 1877, inclusive. Draws Rs. 400 salary as Draftsman and Presidency house-rent Rs. 30.
15	Nov. 26, 1855	Dec. 1, 1872	22 10 5	Doing duty at Head-quarters, Dehra Dun.	
16	Dec. 1, 1855	Oct. 1, 1871	22 10 0	No. 1, Extra Party	6 months' sick leave included under old rules. Doing duty with Tidal and Leveling Party during the absence on furlough of the Executive Officer.
17	Jan. 11, 1856	June 1, 1874	20 7 22	Kumaun and Garhwal Survey	4 years and 24 days on medical certificate, of which 2 years count as service under old rules.
18	Feb. 19, 1856	Sept. 1, 1875	17 11 17	Guzerat Survey	349 days' furlough and 77 days' medical leave excluded under new rules.
19	June 13, 1856	April 1, 1869	22 3 18	7th, Khorda Estate [Cadastral] Survey, Orissa.	
20	July 11, 1856	April 1, 1872	22 2 21	8th, Western Soane [Irrigation] Survey, District Shahabad, Behar.	
21	Aug. 4, 1856	Jan. 1, 1871	22 1 28	No. 5, Bhopal and Malwa Topogl. Survey.	
22	Sept. 1, 1856	May 1, 1878	22 1 0	No. 7, Rajputana Topogl. Survey.	
23	Sept. 5, 1856	May 1, 1870	22 0 26	Chief Draftsman, Head-quarters, Calcutta	(c) Service reckoned under new rules.
24	Sept. 15, 1856	Oct. 1, 1874	22 0 16	Mysore Topogl. Survey.	
25	Oct. 1, 1857	Aug. 1, 1875	21 0 0	Burma Party	392 days' sick leave, and 4 months' leave on p. a. included under old rules.
26	May 6, 1858	May 1, 1878	20 2 10	Computing Office, Head-quarters, Dehra Dun.	Service reckoned under old rules.
27	Aug. 17, 1858	April 1, 1872	12 6 0	Mysore Topogl. Survey	11 months and 13 days' furlough excluded under the new rules, and 18 days' sick leave.
28	Aug. 17, 1858	June 1, 1873	12 3 19	Kattywar Survey, Poona	Furlough for 1 year, and 17 days' subsidiary leave, and 19 months' medical leave excluded under new rules.
29	Aug. 1, 1859	Jan. 1, 1874	18 11 20	Drawing Office, Head-quarters, Dehra Dun.	Service reckoned under old rules.
30	Sept. 1, 1859	Oct. 1, 1873	19 1 0	6th, Jaunpur District [Cadastral] Survey, N.-W. P.	
31	Sept. 1, 1859	April 1, 1872	19 1 0	8th, Western Soane [Irrigation] Survey, District Shahabad, Behar.	
32	Oct. 18, 1859	Nov. 1, 1872	18 10 2	On duty Office of Supdt. of Revs. Branch, Head-quarters, Calcutta.	Absent without leave from 20th January to 26th February 1861.
33	Jan. 1, 1860	Nov. 5, 1871	18 9 0	5th, Banda District [Cadastral] Survey, N.-W. P.	Apprentice from 1st January 1860 to 4th November 1862.
34	Feb. 3, 1860	April 1, 1874	18 7 26	Kumaun and Garhwal Survey	Service reckoned under old rules.
35	July 24, 1860	April 1, 1872	18 2 8	11th, South Decann [Topogl.] Survey, Bombay, Presidency.	

General List of the Officers of the Junior or Subordinate Departments of the Survey of India as it stood on the 1st October 1878—continued.

1	2	3	4	5	6	7	8	9	10	11	12
Genl. Seniority Number.	Names of Officers and Branch to which originally posted.	Passed in Vernacular.	Age.	Rank.	Grade.	Salary.	Date of first appointment to Department.	Date of appointment to present grade.	Period of service counting for pension on 1st Oct. 1878.	Present Post.	REMARKS.
			Y. M. D.			Rs. & P.			Y. M. D.		
36	Mr. W. S. Buttress ... [Rev.]	...	34 7 12	Surveyor	4th grade ...	300 0	Sept. 1, 1860	Oct. 1, 1872	18 1 0	1st, Dera Ismail Khan District Survey, Punjab.	Copyist, from 1st to 30th September 1860.
37	" A. J. Wilson ... [Topogl.]	L. S.	36 1 0	Ditto	3rd grade ...	350 0	Dec. 1, 1860	April 1, 1874	17 10 0	Doing duty at Head quarters, Calcutta.	Exclusive of Rs. 30 Presidency house-rent. Apprentice draftsman from 1st January 1860.
38	" J. A. May ... [Topogl.]	...	36 0 15	Ditto	Ditto ...	350 0	Oct. 1, 1860	Oct. 1, 1874	18 0 0	On duty, Office of Supdt. Rev. Branch, Head-quarters, Calcutta.	Exclusive of Rs. 30 Presidency house-rent. Apprentice draftsman from 1st Jan. 1860.
39	" F. Adams ... [Topogl.]	...	42 5 6	Ditto	Ditto ...	350 0	Oct. 1, 1860	Oct. 1, 1871	21 10 28a	On duty, Head-quarters, Calcutta ...	(a) Including service as Sub-Surveyor from 3rd November 1859 to 30th September 1860; exclusive of Rs. 30, Presidency house-rent.
40	" R. D. Farrell ... [Topogl.]	...	35 8 1	Ditto	Ditto ...	350 0	Oct. 1, 1860	April 1, 1872	18 0 0	On duty, Head-quarters, Calcutta.	
41	" J. S. Pemberton ... [Rev.]	L. S.	35 2 23	Ditto	Ditto ...	350 0	Oct. 6, 1860	April 1, 1872	17 11 21	On duty, Office of Supdt., Rev. Branch, Head-quarters, Calcutta.	Overstayed privilege leave by 5 days in June 1860.
42	" H. R. Littlewood ... [Rev.]	...	34 10 25	Ditto	Ditto ...	350 0	Oct. 6, 1860	April 1, 1872	17 11 26	9th, Cuttack District [Irrigation] Survey, Orissa.	
43	" W. A. Wilson ... [Rev.]	L. S.	35 4 2	Ditto	4th grade ...	350 0	Jan. 1, 1861	April 1, 1872	17 9 0	4th, Moradabad and Budaun Districts [Cadastral] Survey, N.-W. P.	
44	" A. J. Gibson ... [Rev.]	...	36 6 0	Ditto	Ditto ...	300 0	May 1, 1861	Oct. 1, 1873	17 4 27	1st, Dera Ismail Khan District Survey, Punjab.	Absent without leave for 3 days in Jan. 1860.
45	" E. S. P. Atkinson ... [Topogl.]	...	33 2 5	Ditto	Ditto ...	300 0	Aug. 13, 1861	April 1, 1872	10 0 0	No. 7, Rajputana Topogl. Survey.	
46	" A. G. Wyatt ... [Topogl.]	...	33 7 4	Ditto	Ditto ...	300 0	Nov. 1, 1861	April 1, 1874	16 11 0	No. 2, Khandesh and Bombay Native States Topogl. Survey.	
47	" H. Peychers ... [G. T. S.]	...	35 9 18	Ditto	Ditto ...	300 0	April 8, 1862	June 1, 1874	16 5 23	Computing Office, Head-quarters, Dehra Dún.	Service reckoned under old rules.
48	" H. Dowman ... [Rev.]	...	32 3 20	Ditto	Ditto ...	300 0	Oct. 16, 1862	Oct. 16, 1874	15 11 1	7th, Khorda Estate [Cadastral] Survey, Orissa.	Absent without leave 3 days. Sick leave, 2 days in Oct. 1865; 4 days in Dec. 1865, and from 11th to 16th December 1866.
49	" G. Belcham ... [G. T. S.]	H. S.	33 7 15	Ditto	Ditto ...	300 0	Nov. 1, 1862	June 1, 1874	15 11 0	Madras Party	Service reckoned under old rules.
50	" H. T. Hanby ... [Rev.]	L. S.	31 11 12	Ditto	Ditto ...	300 0	Nov. 13, 1862	Nov. 13, 1874	15 10 18	4th, Moradabad and Budann Districts [Cadastral] Survey, N.-W. P.	
51	" A. M. Lawson ... [Rev.]	L. S.	39 8 29	Ditto	Ditto ...	300 0	Nov. 18, 1862	May 1, 1873	15 10 13	10th, North Deccan [Topogl.] Survey, Bombay Presidency.	
52	" G. B. Scott ... [Rev.]	L. S.	34 2 6	Ditto	Ditto ...	300 0	May 1, 1863	Dec. 15, 1874	15 5 0	1st, Dera Ismail Khan Dist. Surv., Punjab.	
53	" J. T. U. Coxen ... [Rev.]	...	38 0 22	Asst. Surveyor	2nd grade ...	200 0	May 16, 1863	Jan. 1, 1874	15 3 22	11th, South Deccan [Topogl.] Survey, Bombay Presidency.	Sick leave from 8th to 31st Oct. 1873.
54	" M. J. Ogle ... [Topogl.]	...	36 6 27	Surveyor	4th grade ...	...	July 1, 1863	April 1, 1873	13 6 27	...	On furlough for 1 year, from 21st Nov. 1877. Service reckoned under new rules.
55	" L. J. Pocock ... [G. T. S.]	H. S.	35 5 5	Ditto	Ditto ...	300 0	July 10, 1863	July 1, 1874	13 2 5	Mysore Topogl. Survey ...	Eighty-nine days' sick leave excluded.
56	" C. F. Hamer ... [Topogl.]	...	32 10 24	Ditto	Ditto ...	300 0	Aug. 3, 1863	July 1, 1878	10 10 24	No. 5, Bhopal and Malwa Topogl. Survey	Service reckoned under new rules.
57	" A. Christie ... [G. T. S.]	H. S.	33 0 1	Ditto	Ditto ...	300 0	Aug. 7, 1863	Oct. 13, 1874	11 0 1	Guzerat Survey.	
58	" T. E. M. Claudius ... [Topogl.]	...	32 4 0	Asst. Surveyor	1st grade ...	250 0	Aug. 10, 1863	April 1, 1874	10 4 0	No. 1, Gwalior and C. I. Topogl. Survey.	
59	" C. A. R. Scanlan ... [Topogl.]	...	31 0 19	Ditto	Ditto ...	250 0	Sept. 9, 1863	Oct. 1, 1871	8 7 29b	On duty at Head-quarters, Calcutta ...	{ Exclusive of Rs. 30, Presidency house-rent. Olig. Surveyor, 4th Grade.
60	" W. O'Sullivan ... [G. T. S.]	...	34 7 17	Surveyor	4th grade ...	300 0	Oct. 1, 1863	Oct. 1, 1874	12 7 18	Assam Survey, Darjeeling	(b) Excludes leave on Medical Certificate from 1st January to 29th April 1875; 21 days in August 1878.
61	" J. H. O'Donel ... [Rev.]	...	33 2 15	Asst. Surveyor	1st grade ...	250 0	Ditto	Oct. 1, 1872	11 2 15	Eastern Soane [Irrigation] Survey, District Patna, Behar.	
62	" N. C. Gwynne ... [G. T. S.]	...	35 6 25	Surveyor	4th grade ...	300 0	Ditto	Oct. 1, 1874	12 7 18	Kattywar Survey, Poona.	
63	" J. Newland ... [Rev.]	L. S.	41 1 26	Asst. Surveyor	1st grade ...	250 0	Oct. 22, 1863	June 29, 1871	14 11 10	10th, North Deccan [Topogl.] Survey, Bombay Presidency.	
64	" W. C. Price ... [G. T. S.]	...	32 3 7	Surveyor	4th grade ...	300 0	Nov. 1, 1863	Oct. 1, 1874	10 3 7	Trans-Indus Party.	
65	" R. Todd ... [Topogl.]	...	33 2 20	Asst. Surveyor	1st grade ...	250 0	Ditto	Oct. 1, 1871	11 2 19	1st, Dera Ismail Khan District Survey, Punjab.	
66	" P. Ford ... [Rev.]	L. S.	32 9 24	Ditto	Ditto ...	250 0	Dec. 15, 1863	June 4, 1873	10 9 19	2nd, Sirsa District Survey, Punjab	Absent without leave 1 day, and sick leave 4 days in October 1865.
67	" J. Todd ... [Rev.]	...	44 4 19	Surveyor	3rd grade ...	350 0	Dec. 27, 1863	Jan. 1, 1872	14 9 4	3rd, Saharanpur District [Topogl.] Surv., N. W. P.	Overstayed privilege leave by 1 day in August 1874.
68	" G. Campbell ... [Rev.]	...	30 2 19	Asst. Surveyor	Ditto ...	160 0	Jan. 1, 1864	Dec. 1, 1874	7 2 19	7th, Khorda Estate [Cadastral] Survey, Orissa.	Office Assistant from 1st January 1864 to 28th Feb. 1871.
69	" R. B. Smart, Jr. ... [Rev.]	L. S.	31 3 2	Ditto	1st grade ...	250 0	Ditto	May 27, 1874	9 3 2	5th, Banda Dist. [Cadastral] Survey, N.-W. P.	Apprentice from 1st January to 31st December 1864.
70	" D. A. King ... [Rev.]	...	31 10 26	Ditto	Ditto ...	260 0	April 12, 1864	Jan. 1, 1874	9 10 25	On special duty, Chota Nagpore Estate [Cadastral] Survey, Bengal.	Apprentice from 12th April to 30th June 1864.
71	" A. W. Chennell ... [Topogl.]	...	31 10 16	Ditto	Ditto ...	...	May 1, 1864	Oct. 1, 1872	9 4 1	...	On furlough for 1 year, from 21st November 1877. Probationer from 10th November 1862 to 30th April 1864.

General List of the Officers of the Junior or Subordinate Department of the Survey of India as it stood on the 1st October 1878—continued.

1	2	3	4	5	6	7	8	9	10	11	12
Genl. Seniority Number.	Names of Officers and Branch to which originally posted.	Passed in Vernacular.	Age.	Rank.	Grade.	Salary.	Date of first appointment to Department.	Date of appointment to present grade.	Period of service counting for pension on 1st Oct. 1878.	Present Post.	REMARKS.
			Y. M. D.			Rs. A. P.			Y. M. D.		
72	Mr. A. James ... [Topogl.]	...	31 10 12	Assistant Surveyor ...	1st grade ...	250 0 0	June 15, 1864	Sept. 1, 1873	9 10 12	Mysore Topogl. Survey.	
73	„ C. Tapsell ... [Topogl.]	L. S.	33 10 17	Ditto ...	Ditto ...	250 0 0	Aug. 2, 1864	Oct. 1, 1872	11 10 16	On duty at Head-quarters, Calcutta ...	Exclusive of Rs. 20, Presidency house-rent.
74	„ C. H. McA. Fee ... [G. T. S.]	L. S.	28 10 15	Surveyor ...	4th grade ...	300 0 0	Sept. 6, 1864	Aug. 1, 1875	6 10 15	Guzerat Survey.	
75	„ W. Stotesbury ... [Topogl.]	H. S.	32 2 6	Assistant Surveyor ...	1st grade ...	250 0 0	Oct. 1, 1864	April 1, 1874	9 2 6	Mysore Topogl. Survey.	
76	„ F. Kitchen ... [Topogl.]	...	32 6 7	Ditto ...	Ditto ...	250 0 0	Oct. 4, 1864	Ditto ...	10 6 7	Ditto.	
77	„ T. H. Rendell ... [G. T. S.]	...	34 2 9	Ditto ...	Ditto ...	250 0 0	Oct. 11, 1864	June 1, 1873	12 2 9	Tidal and Leveling operations.	
78	„ C. W. F. Seyers ... [Rev.]	...	35 1 15	Ditto ...	3rd grade ...	160 0 0	Dec. 1, 1864	Oct. 1, 1871	13 1 15	3rd, Saharanpur Dist. [Topogl.] Survey, N.-W. P.	
79	„ J. Connor ... [Rev.]	...	31 0 24	Ditto ...	1st grade ...	325 0 0	Feb. 16, 1865	Dec. 8, 1874	9 0 24	Draftsman, Office of Supdt., Rev. Branch, Head-quarters, Calcutta.	
80	„ T. H. Dunne ... [Rev.]	L. S.	30 9 5	Ditto ...	Ditto ...	250 0 0	Ditto ...	Feb. 15, 1871	8 8 24	7th, Khorda Estate [Cadastral] Survey, Orissa.	Absent without leave 1 day, and sick leave for 10 days in October 1865.
81	„ W. J. Lane ... [Rev.]	...	31 4 5	Ditto ...	Ditto ...	275 0 0	Mar. 1, 1865	April 24, 1871	8 11 26	Draftsman, Office of Supdt., Rev. Branch, Head-quarters, Calcutta.	Sick leave from 19th May to 8th July 1865, and from 7th August to 23rd October 1869.
82	„ E. J. Connor ... [G. T. S.]	L. S.	30 1 15	Ditto ...	Ditto ...	250 0 0	Ditto ...	July 1, 1874	7 7 10	No. 1, Extra Party ...	Six months and 5 days' leave on private affairs excluded during the absence on furlough of the Executive Officer.
83	„ E. A. Wainright ... [Topogl.]	...	30 3 13	Ditto ...	2nd grade ...	250 0 0	May 1, 1865	July 13, 1878	8 3 13	No. 5, Bhopal & Malwa Topogl. Survey.	
84	„ Hugh Todd ... [G. T. S.]	...	31 1 15	Ditto ...	1st grade ...	250 0 0	July 15, 1865	June 1, 1874	9 0 16	Mysore Topogl. Survey ...	Thirty days' sick leave excluded.
85	„ J. A. Barker ... [Topogl.]	...	29 5 18	Ditto ...	Ditto ...	250 0 0	Sept. 18, 1865	Oct. 1, 1871	7 5 18	No. 2, Khandesh and Bombay Native States Topogl. Survey.	
86	„ R. C. D. Ewing ... [Rev.]	H. S.	30 3 20	Ditto ...	Ditto ...	250 0 0	June 9, 1866	Aug. 1, 1878	8 3 20	3rd, Saharanpur Dist. [Topogl.] Survey, N.-W. P.	
87	„ W. J. Cornelius ... [Topogl.]	L. S.	29 6 1	Ditto ...	Ditto ...	250 0 0	Aug. 15, 1866	Oct. 1, 1872	7 6 1	No. 1, Gwalior and Central India Topogl. Survey.	Officiating Assistant Surveyor, 1st grade.
88	„ W. J. Smith ... [Rev.]	...	30 2 19	Ditto ...	Ditto ...	250 0 0	Sept. 1, 1866	May 27, 1874	7 8 19	...	Office Assistant from 1st September 1860 to 31st May 1863. On sick leave for 1 year from 17th July 1877 and extension of another year.
89	„ W. F. Pettigrew ... [Topogl.]	...	34 1 19	Ditto ...	Ditto ...	200 0 0	Sept. 12, 1866	Oct. 1, 1872	10 7 9	No. 2, Khandesh and Bombay Native States Topogl. Survey.	
90	„ J. Bond ... [G. T. S.]	...	28 8 24	Ditto ...	Ditto ...	250 0 0	Oct. 18, 1866	Oct. 1, 1874	6 8 4	No. 2, Extra Party ...	Twenty days' sick leave excluded. Doing duty with the Guzerat Party during the absence on furlough of the Executive Officer.
91	„ C. D. Potter ... [G. T. S.]	L. S.	33 0 27	Ditto ...	Ditto ...	250 0 0	Oct. 29, 1866	Ditto ...	10 11 23	Madras Party ...	Thirty-three days' leave excluded.
92	„ G. W. Jarbo ... [Rev.]	L. S.	31 0 15	Ditto ...	2nd grade ...	200 0 0	Nov. 1, 1866	Nov. 1, 1872	9 0 0	5th, Banda Dist. [Cadastral] Survey, N.-W. P.	Sick leave for 15 days, from 20th May to 9th June 1869.
93	„ J. R. Scott, ... [Rev.]	L. S.	29 6 27	Ditto ...	Ditto ...	200 0 0	Jan. 19, 1867	May 1, 1873	7 6 27	9th, Cuttack District [Irrigation] Survey, Orissa.	
94	„ P. J. W. Doran, ... [Topogl.]	L. S.	29 4 27	Ditto ...	Ditto ...	200 0 0	Feb. 1, 1867	April 1, 1873	6 6 5	No. 1, Gwalior and C. I. Topogl. Survey.	
95	„ C. W. Wilson, ... [Rev.]	L. S.	32 10 22	Ditto ...	3rd grade ...	160 0 0	June 21, 1867(a)	Oct. 1, 1870	10 5 22	3rd, Saharanpur District [Topogl.] Survey, N.-W. P.	(a) Commencement of second service. Sick leave for 3 months from 1st March 1869, and 2 months from 1st August 1869.
96	„ J. McHatton, ... [Rev.]	L. S.	28 2 14	Ditto ...	2nd grade ...	225 0 0	July 1, 1867	July 1, 1870	6 2 14	Draftsman, Office of Supdt., Rev. Branch, Head-quarters, Calcutta.	Draws Rs. 225 salary as Draftsman and Presidency house-rent Rs. 20.
97	„ W. W. McNair, ... [Topogl.]	L. S.	28 0 18	Ditto ...	Ditto ...	200 0 0	Sep. 1, 1867	Oct. 1, 1872	6 1 18	Mysore Topogl. Survey.	
98	„ E. J. Martin, ... [Rev.]	...	27 7 15	Ditto ...	3rd grade ...	160 0 0	Sep. 16, 1867	May 27, 1874	5 7 15	6th, Jaunpur District [Cadastral] Survey, N.-W. P.	Office Asst. from 16th September 1867 to 31st July 1870.
99	„ H. T. Kitchen, ... [Topogl.]	...	30 3 23	Ditto ...	2nd grade ...	200 0 0	Nov. 1, 1867	Nov. 1, 1873	8 3 23	No. 5, Bhopal and Malwa Topogl. Survey	
100	„ A. Cooper, ... [Topogl.]	...	37 11 4	Ditto ...	Ditto ...	200 0 0	Dec. 1, 1867	Apr. 1, 1874(b)	15 9 0	No. 2, Khandesh and Bombay Native States Survey.	(b) Service reckoned under old rules; includes previous service in Pegu Survey from 2nd January 1863 to 30th November 1867.
101	„ J. H. Wilson, ... [Topogl.]	L. S.	32 3 23	Ditto ...	Ditto ...	200 0 0	April 1, 1868	Ditto ...	10 2 23	No. 7, Rajputana Topogl. Survey.	
102	„ J. Hickie, ... [G. T. S.]	L. S.	29 8 17	Ditto ...	Ditto ...	200 0 0	April 20, 1868	June 1, 1874	7 2 17	Kumaun and Gurhwal Party ...	Six months' medical leave excluded.
103	„ W. H. Lilley, ... [Topogl.]	...	29 9 20	Ditto ...	Ditto ...	200 0 0	May 1, 1868	Jan. 1, 1873	7 4 7	No. 5, Bhopal and Malwa Topogl. Survey.	Excluding leave on M. C. from 14th Dec. 1877 to 3rd June 1878.
104	„ W. Fielding, ... [G. T. S.]	L. S.	30 4 13	Ditto ...	Ditto ...	200 0 0	May 3, 1868	July 1, 1874	8 4 13	Kattywar Survey, Poona.	
105	„ G. D. Cusson, ... [G. T. S.]	L. S.	32 0 7	Ditto ...	Ditto ...	200 0 0	May 8, 1868	Oct. 1, 1874	10 0 7	Guzerat Survey.	
106	„ T. Kiuney, ... [G. T. S.]	L. S.	31 4 27	Ditto ...	1st grade ...	250 0 0	June 17, 1868	Ditto ...	8 10 27	Kumaun and Gurhwal Party ...	Six months' leave on private affairs excluded.
107	„ S. O. Madras, ... [Rev.]	...	28 1 16	Ditto ...	2nd grade ...	200 0 0	July 6, 1868	July 6, 1874	6 1 16	4th, Moradabad and Budaun Districts [Cadastral] Survey, N.-W. P.	
108	„ T. F. Freeman, ... [Rev.]	L. S.	27 6 27	Ditto ...	Ditto ...	200 0 0	Sept. 8, 1868	Sept. 9, 1874	5 6 27	5th, Banda Dist. [Cadastral] Survey, N.-W. P.	

General List of the Officers of the Junior or Subordinate Department of the Survey of India as it stood on the 1st October 1878—continued.

1	2	3	4	5	6	7	8	9	10	11	12	
Genl. Seniority Number.	Names of Officers and Branch to which originally posted.	Passed in Vernacular.	Age.	Rank.	Grade.	Salary.	General Seniority Number.	Date of first appointment to the Department.	Date of appointment to present grade.	Period of service counting for pension on 1st Oct. 1878.	Present Post.	REMARKS.
			Y. M. D.			Rs. A. P.				Y. M. D.		
109	Mr. G. C. Swiney ... [Rev.]	...	29 3 4	Assistant Surveyor ...	2nd grade ...	200 0 0	109	Sep. 17, 1868	Dec. 1, 1874	7 3 4	10th, North Deccan [Topogl.] Survey, Bombay Presidency.	
110	„ J. Murphy ... [Rev.]	...	26 2 19	Ditto ...	3rd grade ...	160 0 0	110	Nov. 22, 1868	Nov. 1, 1874	4 2 19	4th, Moradabad and Budaun Districts [Cadastral] Survey, N.-W. P.	Office Assistant from 22nd November 1868 to 31st October 1871.
111	„ W. D. Corbett ... [Rev.]	...	28 4 0	Ditto ...	Ditto ...	160 0 0	111	Dec. 1, 1868	May 30, 1874	6 4 0	Ditto ditto	Office Assistant from 1st December 1869 to 31st July 1870.
112	„ C. P. Torrens ... [G. T. S.]	...	28 3 11	Ditto ...	2nd grade ...	200 0 0	112	Dec. 12, 1868	Apr. 1, 1873	6 3 11	Jodhpore series	Officiating Assistant Surveyor, 1st grade.
113	„ J. S. Swiney ... [Rev.]	...	27 9 12	Ditto ...	Ditto ...	200 0 0	113	Jan. 5, 1869	Jan. 5, 1872	5 9 12	Eastern Soane [Irrigation] Survey, Dist. Patna, Behar.	
114	„ G. L. R. Scott ... [Rev.]	L. S.	27 4 15	Ditto ...	Ditto ...	200 0 0	114	Mar. 1, 1869	Mar. 1, 1872	5 4 15	9th, Cuttack District [Irrigation] Survey, Orissa.	
115	„ W. J. Lincoln ... [Rev.]	L. S.	27 0 22	Ditto ...	Ditto ...	200 0 0	115	Apr. 1, 1869	Apr. 1, 1872	5 0 22	4th, Moradabad and Budaun Dists. [Cadastral] Survey, N.-W. P.	
116	„ B. Anderson ... [Rev.]	L. S.	27 4 15	Ditto ...	Ditto ...	200 0 0	116	Apr. 20, 1869	June 29, 1872	5 4 15	2nd, Sirsa Dist. Survey, Dist. Punjab.	
117	„ T. Shaw ... [Rev.]	L. S.	25 10 15	Ditto ...	Ditto ...	200 0 0	117	Apr. 21, 1869	Aug. 1, 1878	3 10 15	8th, Western Soane [Irrigation] Surv., Dist. Shahabad, Behar.	
118	„ W. Robert ... [Topogl.]	...	27 7 2	Ditto ...	Ditto ...	200 0 0	118	Aug. 21, 1869	July 13, 1878	5 7 2	Assam Valley Series, Darjeeling.	
119	„ W. H. Penrose ... [Rev.]	L. S.	26 11 24	Ditto ...	3rd grade ...	200 0 0	119	Aug. 11, 1869	June 4, 1873	4 11 24	11th, South Deccan [Topogl.] Survey, Bombay Presidency.	Officiating Assistant Surveyor, 2nd grade.
120	„ A. Bryson ... [G. T. S.]	H. S.	29 1 1	Ditto ...	Ditto ...	160 0 0	120	Sep. 20, 1869	Oct. 1, 1873	7 1 1	Madras Party.	
121	„ F. E. Warde ... [Topogl.]	...	27 0 24	Ditto ...	Ditto ...	160 0 0	121	Sep. 1, 1870	Sep. 1, 1873	5 0 24	No. 2, Khandesh and Bombay Native States Topogl. Survey.	
122	„ C. T. Templeton ... [Topogl.]	...	26 0 27	Ditto ...	Ditto ...	160 0 0	122	Sep. 1, 1870	Sep. 1, 1873	4 0 27	No. 1, Gwalior and Central India Topogl. Survey.	
123	„ A. D. Smart ... [Rev.]	...	47 11 17	Surveyor ...	Ditto ...	350 0 0	123	Oct. 1, 1870(a)	Oct. 1, 1870	8 0 0	7th, Khorda Estate [Cadastral] Survey, Orissa.	(a) Commencement of second service.
124	„ G. E. Parker ... [Rev.]	...	28 7 18	Assistant Surveyor ...	Ditto ...	160 0 0	124	Nov. 18, 1870	July 8, 1874	6 7 18	On special duty, Chota Nagpore Estate [Cadastral] Survey, Bengal.	
125	„ J. McCay ... [Topogl.]	...	24 11 23	Ditto ...	Ditto ...	200 0 0	125	Dec. 1, 1870	Dec. 1, 1873	2 11 24	No. 6, Khasi and Garo Hills Topogl. Surv.	(b) Inclusive of Rs. 40, Assam Local allowance.
126	„ R. A. Gibson ... [Topogl.]	...	24 2 26	... ..	Ditto ...	160 0 0	126	Dec. 1, 1870	Sep. 1, 1878	2 2 26	On duty at Head-quarters, Calcutta	Previous service on probation in G. T. S. from 1st Oct. 1869 to 30th June 1870. Apprentice Draftsman, Surv. Genl.'s Office from 10th October to 30th November 1870. Probationary Assistant Surveyor 1st December 1870.
127	„ P. B. Herbert ... [Rev.]	L. S.	24 2 1	Ditto ...	Ditto ...	...	127	Aug. 9, 1871	Sep. 12, 1872	1 10 1	...	Apprentice from 3rd August 1871 to 11th September 1872. Sick leave from 11th February to 10th June 1877. Leave on private affairs for 6 months from 1st Oct. 1878.
128	„ W. Oldham ... [G. T. S.]	(Canarese.)	25 9 15	Ditto ...	Ditto ...	160 0 0	128	Oct. 15, 1871	June 1, 1874	3 9 15	Kattywar Survey, Poona.	
129	„ C. W. J. Ford ... [Rev.]	...	25 6 6	Ditto ...	Ditto ...	160 0 0	129	Nov. 1, 1871	...	3 6 6	9th, Cuttack District [Irrigation] Survey, Orissa.	
130	„ W. C. G. Barclay ... [Topogl.]	...	26 11 10	Ditto ...	Ditto ...	160 0 0	130	Dec. 1, 1871	Feb. 1, 1874	3 6 16	No. 7, Rajputana Topogl. Survey.	
131	„ A. W. Smart ... [Rev.]	...	27 7 1	Ditto ...	Ditto ...	160 0 0	131	Jan. 1, 1872	Jan. 1, 1878	5 7 1	6th, Jaunpur District [Cadastral] Survey, N.-W. P.	
132	„ G. VanderBeek ... [Topogl.]	L. S.	29 0 15	Ditto ...	Ditto ...	160 0 0	132	July 1, 1872	April 1, 1877	6 3 0	No. 2, Khandesh and Bombay Native States Topogl. Survey.	
133	„ J. C. Clancy ... [G. T. S.]	...	24 0 12	Ditto ...	Ditto ...	160 0 0	133	Sep. 30, 1872	Oct. 1, 1874	1 8 4	Eastern Frontier Series	Excludes leave on medical certificate from 14th May to 13th June 1878, and leave without pay from 14th June to 21st August 1878.
134	„ W. M. Kelly ... [Topogl.]	L. S.	24 1 25	... ..	Ditto ...	160 0 0	134	Oct. 1, 1872	Jan. 1, 1878	2 1 25	5th, Banda District [Cadastral] Survey, N.-W. P.	Re-appointed to the Department 1st Oct. 1878 after employment in the Forest Department, from 1st Nov. 1877 to 30th September 1878.
135	„ J. C. Murray ... [Topogl.]	L. S.	26 1 17	Ditto ...	Ditto ...	160 0 0	135	Oct. 1, 1872	Jan. 1, 1878	3 7 16	No. 5, Bhopal and Malwa Topogl. Survey.	
136	„ A. Kitchen ... [Topogl.]	...	25 8 5	Ditto ...	Ditto ...	160 0 0	136	Ditto ...	Feb. 25, 1878	3 8 5	Ditto ditto.	
137	„ P. White ... [Topogl.]	...	27 11 22	Ditto ...	4th grade ...	160 0 0	137	Ditto ...	...	5 5 22	Mysore Topogl. Survey	
138	„ J. O. Hughes ... [G. T. S.]	...	23 1 8	Ditto ...	3rd grade ...	160 0 0	138	Oct. 14, 1872	April 1, 1875	1 1 8	Burma Party	Two months and 23 days' sick leave excluded from period of non-qualifying service.
139	„ B. M. Wilson ... [Rev.]	...	30 5 17	Ditto ...	Ditto ...	160 0 0	139	Nov. 15, 1872	July 13, 1878	6 8 0	9th, Cuttack District [Irrigation] Survey, Orissa.	Apprentice from 1st Feb. to 14th Nov. 1872.
140	„ E. P. S. Hill ... [Rev.]	...	24 3 17	Ditto ...	Ditto ...	160 0 0	140	Nov. 16, 1872	Aug. 1, 1878	2 3 17	5th, Banda District [Cadastral] Survey, N.-W. P.	
141	„ E. H. S. Gasper ... [Rev.]	...	24 10 16	Ditto ...	4th grade ...	120 0 0	141	Ditto ...	...	2 6 16	6th, Jaunpur District [Cadastral] Survey, N.-W. P.	Sick leave for 4 months from 1st September to 31st December 1876.
142	„ G. T. Hall ... [G. T. S.]	L. S.	26 5 24	Ditto ...	3rd grade ...	160 0 0	142	Nov. 22, 1872	Aug. 1, 1875	4 5 24	Kattywar Survey, Poona.	
143	„ E. R. M. Dunn ... [Rev.]	...	24 5 10	Ditto ...	4th grade ...	...	143	...	...	...	...	On leave without pay from 17th April 1877. Granted extension for 8 months without pay.
144	„ R. R. Dickinson ... [Rev.]	L. S.	27 2 6	Ditto ...	Ditto ...	120 0 0	144	April 16, 1873	...	5 2 6	10th, North Deccan [Topogl.] Survey, Bombay Presidency.	Apprentice from 1st April 1872 to 15th April 1873.
145	„ J. F. McCarthy ... [G. T. S.]	L. S.	25 5 2	Ditto ...	Ditto ...	120 0 0	145	Aug. 1, 1873	...	3 5 2	Eastern Frontier Series.	

General List of the Officers of the Junior or Subordinate Department of the Survey of India as it stood on the 1st October 1878—concluded.

1	2	3	4	5	6	7	8	9	10	11	12	
Genl. Seniority Number.	Names of Officers and Branch to which originally posted.	Passed in Vernacular.	Age.	Rank.	Grade.	Salary.	General Seniority Number.	Date of first appointment to the Department.	Date of appointment to present grade.	Period of service counting for pension on 1st October 1878.	Present Post.	REMARKS.
			Y. M. D.			Rs. & P.				Y. M. D.		
144	Mr. E. Graham ... [Topogl.]	L. S.	24 11 0	Assistant Surveyor ...	4th grade...	120 0 0	144	Aug. 11, 1873	...	2 11 0	No. 2, Khandesh and Bombay Native States' Topogl. Survey.	Previous service as Sub-Surveyor from 1st Nov. 1872.
145	„ G. L. Fleming ... [Topogl.]	...	24 5 29	Ditto ...	Ditto ...	120 0 0	145	Aug. 11, 1873	...	2 5 29	Mysore Topogl. Survey.	
146	„ G. R. Copping ... [Topogl.]	L. S.	25 3 6	Ditto ...	Ditto ...	120 0 0	146	Aug. 11, 1873	...	3 3 6	No. 5, Bhopal and Malwa Topogl. Survey	Previous service as Apprentice from 1st Oct. 1872.
147	„ G. A. Knight... [Topogl.]	...	24 5 9	Ditto ...	Ditto ...	120 0 0	147	Aug. 11, 1873	...	2 5 9	Mysore Topogl. Survey.	
148	„ D. J. Collins ... [G. T. S.]	...	24 4 27	Ditto ...	Ditto ...	120 0 0	148	Oct. 6, 1873	...	2 3 8	Assam Survey, Darjeeling	Excludes 49 days' leave on medical certificate from 1 July to 19th August 1878.
149	„ P. A. Peters ... [Rev.]	L. S.	23 9 23	Ditto ...	Ditto ...	120 0 0	149	Nov. 1, 1873	...	1 9 23	1st, Dera Ismail Khan District Survey, Punjab.	
150	„ H. Corkery ... [G. T. S.]	L. S.	27 1 10	Ditto ...	Ditto ...	120 0 0	150	Nov. 20, 1873	...	4 4 0	Kattywar Survey, Poona.	Service reckoned to 20th March 1879 on which date availed himself of 6 months' leave without pay.
151	„ H. R. Adels ... [Rev.]	...	28 6 25	Ditto ...	Ditto ...	120 0 0	151	Feb. 19, 1874	...	4 7 4	9th, Cuttack Dist. [Irrgn.] Survey, Orissa	Absent without leave for six days in June 1870.
152	„ P. F. Prunty ... [G. T. S.]	...	23 9 6	Ditto ...	Ditto ...	120 0 0	152	May 9, 1874	...	1 9 6	Jodhpore Series.	
153	„ J. Keating ... [G. T. S.]	...	24 4 27	Ditto ...	Ditto ...	120 0 0	153	June 1, 1874	...	2 4 27	Kattywar Survey, Poona.	
154	„ C. S. Kraal ... [Rev.]	L. S.	25 0 6	Ditto ...	Ditto ...	120 0 0	154	July 24, 1874	...	3 0 6	2nd, Sirsa District Survey, Punjab.	
155	„ S. F. Norman ... [G. T. S.]	...	24 1 23	Ditto ...	Ditto ...	120 0 0	155	Sept. 1, 1874	...	2 1 23	Guzerat Survey.	
156	„ C. Norman ... [G. T. S.]	L. S.	22 4 12	Ditto ...	Ditto ...	120 0 0	156	Oct. 12, 1874	...	0 4 12	Ditto.	
157	„ Duncan Campbell ... [Topogl.]	...	25 10 13	Ditto ...	Ditto ...	160 0 0	157	Nov. 1, 1874	...	3 10 13	No. 6, Khasi and Garo Hills Topogl. Survey.	Joined as a Sub-Surveyor on 3rd July 1872. (a) Inclusive of Rs. 40, Assam Local allowance.
158	„ Thomas Campbell ... [Rev.]	...	21 8 16	Ditto ...	Ditto ...	120 0 0	158	May 1, 1875	...	...	8th, Western Soane [Irrgn.] Survey, District Shahabad, Behar.	
159	„ R. F. Warwick ... [G. T. S.]	L. S.	23 6 2	Ditto ...	Ditto ...	120 0 0	159	July 2, 1875	...	1 4 2	Guzerat Party	Excludes leave on medical certificate for 2 months from 10th October to 9th December 1877.
160	„ L. F. Berkeley ... [Rev.]	...	24 1 3	Ditto ...	Ditto ...	120 0 0	160	Aug. 16, 1875	...	2 1 3	4th, Moradabad and Budaun Districts [Cadastral] Survey, N.-W. P.	
161	„ J. M. Kennedy ... [G. T. S.]	...	21 10 28	Ditto ...	Ditto ...	120 0 0	161	Aug. 19, 1875	...	...	Mysore Topogl. Survey.	
162	„ G. P. Tate ... [Topogl.]	...	22 2 10	Proby. Assistant Surveyor	Ditto ...	120 0 0	162	Mar. 12, 1878	...	0 2 10	No. 1, Gwalior and C. I. Topogl. Survey	Apprentice from 1st March 1874.
163	„ P. C. H. Smart ... [Rev.]	...	22 7 2	Ditto ...	Ditto ...	120 0 0	163	Apl. 18, 1878	...	...	5th, Banda Dist. [Cadastral] Survey, N.-W. P.	
164	„ W. H. D. Ewing ... [Rev.]	...	21 1 7	Ditto ...	Ditto ...	120 0 0	164	Apl. 15, 1878	...	...	4th Moradabad and Budaun Dista. [Cadastral] Survey, N.-W. P.	
165	„ C. George ... [Topogl.]	...	25 9 23	Ditto ...	Ditto ...	120 0 0	165	Sept. 5, 1878	...	3 9 23	No. 2, Khandesh and Native States [Topogl.] Survey.	Previous service as Sub-Surveyor from 16th August 1872.

Disposition List of the Officers of the Survey of India as it stood on the 1st October 1878.

Number of Party.	WHERE EMPLOYED.	STRENGTH OF SUBORDINATE ESTABLISHMENT IN ALL GRADES.						Annual Cost of Party.	Officer in charge.	Number in General Lists.	Rank and Grade.	Date of assuming charge.	REMARKS.
		Sub-Surveyors.	Writers.	Chainmen and Flagmen.	Native Doctors.	Burkundazes.	Jemadars.						
		No.	No.	No.	No.	No.	No.	Rs.					
	<i>Madras Party.</i> On the South-East Coast of the Peninsula between Madras and Cape Comorin; recess quarters at Bangalore ...	...	...	56	1	17	...	...	Lt.-Col. B. R. Branfill, B. C. ... Mr. G. Belcham ... " C. D. Potter... " A. Bryson ...	8 49 91 120	Depy. Supdt., 2nd grade Surveyor, 4th grade. Assistant Surveyor, 1st grade. Ditto, 3rd grade.	June 1, 1877.	
	<i>Eastern Frontier Series.</i> British Burma; recess quarters at Moulmein ...	...	1	78	2	27	...	...	Captain J. Hill, R. E. ... Mr. J. C. Clancey ... " P. White ... " J. F. McCarthy ...	39 133 136 143	Assistant Superintendent, 1st grade, Offg. Depy. Supdt., 3rd grade. Assistant Surveyor, 3rd grade. Ditto, 3rd grade. Ditto, 4th grade.	Mar. 17, 1877.	
	<i>Burma Party.</i> British Burma; recess quarters at Moulmein ...	...	1	61	1	7	...	...	H. Beverley, Esq. ... Mr. J. Low ... " J. O. Hughes ...	13 25 137	Surveyor, 1st grade Surveyor, 2nd grade. Assistant Surveyor, 3rd grade.	May 18, 1877	Officiating in charge.
	<i>Kumaun and Garhwal Party.</i> This party has nearly completed its work in connection with the Kumaun and Garhwal Survey and will next be employed in the Bulandshahr District ...	6	...	55	1	8	...	...	Major T. T. Carter R. E. ... E. C. Ryall, Esq. ... Mr. J. Peyton ... " W. Todd ... " T. Kinney ... " J. Hickie ...	16 60 34 17 106 102	Depy. Supdt., 2nd grade. Asst. Supdt., 3rd grade, offg. in 2nd grade. Surveyor, 1st grade. Ditto, 2nd grade. Asst. Surveyor, 1st grade. Ditto, 2nd grade.	Sept. 16, 1878.	
	<i>Assam Valley Triangulation.</i> Special Survey operations in and around Darjeeling ...	...	1	54	1	12	...	...	Lieut. H. J. Harman, R. E. ... Mr. W. O'Sullivan ... " W. Robert ... " D. J. Collins ...	59 60 118 148	Asst. Supdt., 3rd grade, offg. in 2nd grade. Surveyor, 4th grade. Asst. Surveyor, 2nd grade. Ditto, 4th grade.	Oct. 6, 1874.	
	<i>Jodhpore Series.</i> In the Jodhpore, Jesulmeer and Bikaner States; recess quarters at Kurrachee ...	...	...	50	1	14	...	...	Captain M. W. Rogers, R. E. ... Mr. C. P. Torrens ... " P. F. Prunty ...	38 112 162	Asst. Supdt., 1st grade, Offg. Depy. Supdt., 3rd grade. Assistant Surveyor, 2nd grade, offg. in 1st grade. Ditto, 4th grade.	Nov. 20, 1874.	
	<i>Kattywar Party.</i> The Province of Kattywar, Bombay Presidency; recess quarters at Poona ...	11	1	145	1	27	...	...	J. McGill, Esq. ... Mr. F. Bell ... " N. C. Gwynne ... " W. Fielding ... " W. Oldham ... " G. T. Hall ... " H. Corkery ... " J. Keating ...	53 28 62 104 128 141 150 153	Asst. Supdt., 2nd grade, offg. in 1st grade. Surveyor, 3rd grade. Ditto, 4th grade. Assistant Surveyor, 2nd grade. Ditto, 3rd grade. Ditto, 3rd grade. Ditto, 4th grade. Ditto, 4th grade.	Apr. 26, 1878.	Officiating in charge.

Disposition List of the Officers of the Survey of India as it stood on the 1st October 1878 —continued.

Number of Party.	WHERE EMPLOYED.	STRENGTH OF SUBORDINATE ESTABLISHMENT IN ALL GRADES.						Annual Cost of Party.	Officer in charge.	Number in General Lists.	Rank and Grade.	Date of assuming charge.	REMARKS.
		Sub-Surveyors.	Writers.	Chainmen and Flagmen.	Native Doctors.	Burkundazes.	Jemadars.						
	<i>Guzerat Party.</i> Guzerat; recess quarters at Poona	No. 22	No. 1	No. 200	No. 1	No. 33	No. ...	...	Lieut. St. G. C. Gore, B. E. ... Mr. A. D'Souza ... " A. Christie ... " C. H. McA. Fee ... " G. D. Cusson ... " S. F. Norman ... " C. Norman ... " R. F. Warwick ...	61 18 57 74 105 155 156 159	Asst. Supdt., 3rd grade, offg. in 2nd grade. Surveyor, 1st grade. Ditto, 4th grade. Ditto, 4th grade. Asst. Surveyor, 2nd grade. Ditto, 4th grade. Ditto, 4th grade. Ditto, 4th grade.	Sept. 2, 1878	Offg. in charge.
	<i>No. 1 Extra Party.</i> Carrying on Electric Determinations of Longitude ... ..	...	...	24	...	3	...	...	Captain W. J. Heaviside, B. E. Mr. C. J. Neville ... " E. J. Connor ...	32 16 82	Depy. Supdt., 3rd grade Surveyor, 2nd grade Asst. Surveyor, 1st grade	Dec. 20, 1875 ... }	On furlough. Doing duty with Tidal and Levelling Party during absence of Executive Officer on furlough.
	<i>No. 2 Extra Party.</i> Carrying on Electric Determinations of Longitude ... ..	...	1	10	...	3	...	...	Major W. M. Campbell, B. E. Mr. J. Bond ...	24 90	Depy. Supdt., 3rd grade Asst. Surveyor, 1st grade	Aug. 1, 1875 ...	On furlough. Doing duty with Guzerat Party during the absence of the Executive Officer on furlough.
	<i>Tidal and Levelling Operations.</i> Tidal operations at various Ports Levelling operations in Bombay Presidency; recess quarters at Poona.	5 ...	1 ...	36 ...	1 ...	12 ...	...	...	Captain A. W. Baird, B. E. ... Mr. T. H. Rendell ...	47 77	Asst. Supdt., 2nd grade, offg. in 1st grade. Assistant Surveyor, 1st grade.	July 2, 1877.	
	<i>Trans-Indus Party.</i> In Beluchistan ... ..	...	...	...	...	...	...	...	Capt. R. G. Woodthorpe, B. E. ... Mr. W. C. Price ...	56 64	Asst. Supdt., 3rd grade, offg. in the 2nd grade. Surveyor, 4th grade.		

Disposition List of the Officers of the Survey of India as it stood on the 1st October 1878—continued.

Number of Party.	WHERE EMPLOYED.	STRENGTH OF LOWER SUBORDINATE ESTABLISHMENT IN ALL GRADES.						Annual Cost of Party.	Officer in charge, Surveyors and Assistant Surveyors.	Number in General Lists.	Rank and Grade.	Date of assuming charge.	REMARKS.
		Sub-Surveyors.	Writers.	Flagmen and Carriers.	Hospital Assistant.	Barkundazes.	Apothecary.						
		No.	No.	No.	No.	No.	No.						
1	Native States, in Rajputana Agency, Odeypore and Sirohi; Topographical Survey.	5	1	110	1	11	...	58,000	Captain Charles Strahan, B. E. (in charge). Mr. H. J. Bolst ... " T. E. M. Claudius ... " W. J. Cornelius ... " P. J. W. Dorau ... " C. T. Templeton ... " G. P. Tate ...	27 9 58 87 94 122 162	Depy Supdt., 3rd grade, offg. in 2nd grade. Surveyor, 1st grade. Asst. Surveyor, 1st grade. Ditto, 2nd grade, offg. in 1st grade. Ditto, 2nd grade. Ditto, 3rd grade. Proby. ditto, 4th grade.	3rd June 1867.	
2	Khandesh and Bombay Native States Topog. Survey ...	8	1	123	1	12	...	55,000	H. Horst, Esq. (in charge) ... Mr. A. G. Wyatt ... " J. A. Barker ... " W. F. Pettigrew ... " A. Cooper ... " F. E. Warde ... " G. VanderBeek ... " E. Graham ... " C. George ...	44 46 85 89 100 121 132 144 165	Asst. Supdt., 1st grade ... Surveyor, 4th grade. Asst. Surveyor, 1st grade. Ditto, 2nd grade. Ditto, 2nd grade. Ditto, 3rd grade. Ditto, 3rd grade. Ditto, 4th grade. Proby. ditto, 4th grade.	19th Oct. 1874.	
5	Sehore, Agar, Indore, Bhopawar, Agencies of Central India Agency, Topographical Survey.	5	...	153	1	8	...	60,000	Captain J. R. Wilmer, s. c. (in charge). Mr. D. Atkinson ... " C. F. Hamer ... " E. A. Wainright ... " H. T. Kitchen ... " W. H. Lilley ... " A. Kitchen ... " G. R. Copping ...	51 21 56 83 99 103 135 146	Asst. Supdt., 2nd grade, offg. in 1st grade. Surveyor, 2nd grade. Ditto, 4th grade. Asst. Surveyor, 1st grade. Ditto, 2nd grade. Ditto, 2nd grade. Ditto, 3rd grade. Ditto, 4th grade.	Sept. 1874.	

Disposition List of the Officers of the Survey of India as it stood on the 1st October 1878—continued.

Number of Party.	WHERE EMPLOYED.	STRENGTH OF LOWER SUBORDINATE ESTABLISHMENT IN ALL GRADES.						Annual Cost of Party.	Officer in charge, Surveyors and Assistant Surveyors.	Number in General Lists.	Rank and Grade.	Date of assuming charge.	REMARKS.
		Sub-Surveyors.	Writers.	Flagmen and Carriers.	Hospital Assistant.	Burkundazes.	Apothecary.						
		No.	No.	No.	No.	No.	No.	Rs.					
6	Nágá Hills on the Eastern Frontier, Assam; Topographical Survey.	2	1	66	1	11	...	33,000	Major W. F. Badgley, s. c. (in charge) ... Mr. J. McCay ... " D. Campbell ...	30 125 157	Asst. Supdt., 1st grade, Qffg. Deputy. Supdt., 3rd grade. Assistant Surveyor, 3rd grade. Ditto, 4th grade.	Aug. 11, 1873.	
7	Meywar, Marwar, Godwar, Shahpura, Mhairwara, and Ajmera, in the Rajputana Agency, and at Simla Topographical Survey.	9	2	190	1	18	...	53,842	Lieut.-Col. G. C. Depree, s. c. (in charge) ... Mr. G. A. McGill ... " J. A. Vanderputt ... " E. S. P. Atkinson ... " J. H. Wilson ... " W. C. G. Barclay ...	7 12 22 45 101 130	Depy. Supdt., 1st grade ... Surveyor, 2nd grade. Ditto, 3rd grade. Ditto, 4th grade. Asst. Surveyor, 2nd grade. Ditto, 3rd grade.	Nov. 1, 1877.	
8	Mysore Topographical Survey ...	3	...	50	...	20	...	...	Major H. R. Thuillier, n. e. (in charge) ... Mr. R. W. Chew ... " A. James ... " W. Stotesbury ... " F. Kitchen ... " W. W. McNair ... " G. I. Fleming ... " G. A. Knight ...	9 24 72 75 76 97 145 146	Depy. Supdt., 2nd grade ... Surveyor, 2nd grade. Asst. Surveyor, 1st grade. Ditto, 1st grade. Ditto, 1st grade. Ditto, 2nd grade. Ditto, 4th grade. Ditto, 4th grade.	Nov. 5, 1877.	
9	Mysore Topographical Survey ...	3	1	50	1	20	...	...	Major H. R. Thuillier, n. e. (in charge) ... Mr. H. E. T. Keelan ... " L. J. Pocock ... " Hugh Todd ... " J. M. Kennedy ...	9 27 55 84 161	Depy. Supdt., 2nd grade ... Surveyor, 3rd grade. Surveyor, 4th grade. Asst. Surveyor, 1st grade. Ditto, 4th grade.	April 11, 1877	Party formed ... October 1876 from members of the G. S. Survey.

Disposition List of the Officers of the Survey of India as it stood on the 1st October 1878—continued.

Number of Party. Revenue Branch.	WHERE EMPLOYED.	STRENGTH OF LOWER SUBORDINATE ESTABLISHMENT IN ALL GRADES.						Annual of Party.	Officers in charge, Surveyors and Assistant Surveyors.	Number in General Lists.	Rank and Grade.	Date of assum- ing charge.	REMARKS.
		Sub-Surveyors, &c.	Writers.	Levellers.	Chainmen or Measurers.	Hospital Assist- ant.	Barkundazes.						
		No.	No.	No.	No.	No.	No.						
1	Dera Ismail Khan District Survey, Punjab	30	...	...	200	1	15					
								Maj. Genl. H. C. Johnstone, c. d., Retired List (in charge). Captain R. Beavan, s. c. Mr. G. Housden ... " W. S. Buttress ... " A. J. Gibson ... " G. B. Scott ... " R. Todd ... " P. A. Peters ...	4 45 4 36 44 52 65 149	Depty. Supdt., 1st grade ... Asst. Supdt., 3rd grade, offg. in 1st grade. Surveyor, 1st grade. Ditto, 4th grade. Ditto, 4th grade. Ditto, 4th grade. Asst. Surveyor, 1st grade. Ditto, 4th grade.	Oct. 15, 1873		
2	Sirsa District Survey, Punjab	30	1	...	200	1	16						
								Major D. Macdonald, s. c. (in charge). Mr. E. Loftie ... " G. H. Blythe ... " P. Ford ... " B. Anderson ... " C. S. Kraal ...	14 3 2 66 116 164	Depty. Supdt., 2nd grade ... Surveyor, 2nd grade. Ditto, 2nd grade. Asst. Surveyor, 1st grade. Ditto, 2nd grade. Ditto, 4th grade.	Nov. 19, 1877		
3	Saharanpur District, [Topogr.] Survey, North-Western Provinces.	30	1	...	200	1	17						
								Major W. H. Wilkins, s. c. (in charge). Capt. H. L. Smith, M. A., L. L. B., s. c. Mr. J. Todd ... " R. C. D. Ewing ... " C. W. Wilson ... " C. W. F. Seyers ...	25 33 67 86 95 78	Asst. Supdt., 1st grade, offg. Depty. Supdt., 3rd grade. Asst. Supdt., 1st grade, do. do. Surveyor, 3rd grade. Asst. Surveyor, 1st grade. Ditto, 3rd grade. Ditto, 3rd grade.	Dec. 1, 1877.		
4	Moradabad and Budaun Districts, [Cadastral] Survey, North-Western Provinces.	31	...	1	140	1	13						
								Captain W. Barron, s. c. (in charge). Captain A. J. C. Scott, s. c. Mr. W. A. Wilson ... " H. T. Hanby ... " S. O. Madras ... " W. J. Lincoln ... " W. D. Corbett ... " J. Murphy ... " L. F. Berkeley... " W. H. D. Ewing ...	17 58 43 50 107 115 111 110 160 164	Depty. Supdt., 3rd grade ... Asst. Supdt., 3rd grade, offg. in 2nd grade. Surveyor, 4th grade. Ditto, 4th grade. Asst. Surveyor, 2nd grade. Ditto, 2nd grade. Ditto, 3rd grade. Ditto, 3rd grade. Asst. Surveyor, 4th grade. Proby. ditto, 4th grade.	Nov. 12, 1873.		
5	Banda District [Cadastral] Survey, North-Western Provinces.	25	...	1	188	1	17						
								Col. F. C. Anderson, s. c. (in charge). E. J. Jackson, Esq. ... Mr. C. W. Campbell ... " E. Little ... " R. B. Smart, Jr. ... " W. Jarbo ... " T. F. Freeman ... " W. M. Kelly ... " E. P. S. Hill ... " P. C. H. Smart ...	2 46 10 33 69 92 109 134 139 163	Depty. Supdt., 1st grade ... Asst. Supdt., 2nd grade. Surveyor, 2nd grade. Ditto, 4th grade. Asst. Surveyor, 1st grade. Ditto, 2nd grade. Ditto, 2nd grade. Ditto, 3rd grade. Ditto, 4th grade, offg. in 3rd grade. Proby. ditto, 4th grade.	Nov. 1, 1871.		
6	Jaunpur District [Cadastral] Survey, North-Western Provinces.	30	...	...	200	1	14					
								E. T. S. Johnson, Esq. (in charge) Mr. P. A. G. Cowley ... " E. J. Martin ... " A. W. Smart ... " E. H. S. Gasper ...	21 30 98 131 140	Depty. Supdt., 3rd grade ... Surveyor, 3rd grade. Asst. Surveyor, 3rd grade. Ditto, 3rd grade. Ditto, 4th grade.	Oct. 1, 1872.		

of India as it stood on the 1st October 1878—concluded.

Officers in charge, Surveyors and Assistant Surveyors.	Number in General Lists.	Rank and Grade.	Date of assuming charge.	REMARKS.
R. B. Smart, Esq. (in charge) ... Mr. A. D. Smart ... " C. David ... " W. R. Vyall ... " H. Dowman ... " T. H. Dunne ... " G. Campbell ...	13 123 6 19 48 80 68	Depy. Supdt., 2nd grade ... Surveyor, 3rd grade. Ditto, 3rd grade. Ditto, 4th grade. Ditto, 4th grade. Asst. Surveyor, 1st grade. Ditto, 3rd grade.	... Nov. 15, 1876.	
Major J. Seonce, s. c. (in charge) ... Mr. F. Grant ... " G. Rae ... " T. Shaw ... " T. Campbell ... H. B. Talbot, Esq. ... Mr. J. H. O'Donel ... " J. S. Swiney ...	11 20 31 117 158 35 61 113	Depy. Supdt., 2nd grade ... Surveyor, 2nd grade. Ditto, 3rd grade. Asst. Surveyor, 2nd grade. Ditto, 4th grade. Asst. Supdt., 2nd grade, offg. in 1st grade Asst. Surveyor, 1st grade Ditto, 2nd grade	Mar. 15, 1876.	} Detached from No. 6 Party.
E. C. Barrett, Esq. (in charge) ... Mr. H. R. Littlewood ... " J. R. Scott ... " G. L. R. Scott ... " C. W. J. Ford ... " B. M. Wilson ... " H. R. Adels ...	48 41 93 114 129 138 151	Asst. Supdt., 2nd grade, offg. in 1st grade. Surveyor, 3rd grade. Asst. Surveyor, 2nd grade. Ditto, 2nd grade. Ditto, 3rd grade. Ditto, 3rd grade. Ditto, 4th grade.	May 22, 1878.	
Capt. E. W. Samuells, s. c. (in charge) ... G. H. Cooke, Esq. ... Mr. A. M. Lawson ... " J. Newland ... " G. C. Swiney ... " R. R. Dickenson ...	28 52 51 63 109 142	Asst. Supdt., 1st grade, offg. Depy. Supdt., 3rd grade. Asst. Supdt., 3rd grade, offg. in 2nd grade. Surveyor, 4th grade. Asst. Surveyor, 1st grade. Ditto, 2nd grade. Ditto, 4th grade.	Jany. 3, 1878.	
Major H. C. B. Tanner, Bom. s. c. (in charge) ... Captain H. S. Hutchinson, s. c. ... Mr. S. M. Smylie ... " J. T. U. Coxen ... " W. H. Penrose ... " C. T. J. Dease ...	20 43 35 53 119 150	Depy. Supdt., 3rd grade ... Asst. Supdt., 2nd grade, offg. in 1st grade. Surveyor, 3rd grade. Asst. Surveyor, 2nd grade. Ditto, 3rd grade, offg. in 2nd grade. Ditto, 4th grade.	Apl. 23, 1877.	
Captain J. E. Sandeman, s. c. (in charge) ... Mr. D. A. King ... " G. E. Parker ...	29 70 124	Asst. Supdt., 1st grade, Offg. Depy. Supdt., 3rd grade. Asst. Surveyor, 1st grade. Ditto, 3rd grade.	Oct. 1, 1874.	
W. H. Patterson, Esq. ...	4	Surveyor, 1st grade ...	Dec. 1, 1874.	
J. Campbell, Esq. ... Mr. P. E. Hoberlet ...	31 127	Asst. Supdt., 1st grade, Offg. Depy. Supdt., 3rd grade. Asst. Surveyor, 3rd grade.	Jany. 7, 1878.	

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