

Table No. 19.

ORDINARY and PRESS TELEGRAMS despatched during the Four Quarters ended 31st December, 1888, also for each Quarter of the Year ended 31st December, 1889, and the REVENUE derived from each Class.

Class.	March Quarter.		June Quarter.		September Quarter.		December Quarter.		Totals for Year.	
	Number.	Revenue derived.	Number.	Revenue derived.	Number.	Revenue derived.	Number.	Revenue derived.	Number.	Revenue derived.
1889.		£ s. d.		£ s. d.		£ s. d.		£ s. d.		£ s. d.
Ordinary ..	389,902	21,166 9 1	327,171	16,679 7 7	322,467	16,696 17 8	377,374	19,688 10 11	1,416,914	74,231 5 3
Press ..	39,184	1,750 15 7	39,520	2,221 14 0	51,767	2,968 1 11	41,772	1,653 4 9	172,243	8,593 16 3
Totals ..	429,086	22,917 4 8	366,691	18,901 1 7	374,234	19,664 19 7	419,146	21,341 15 8	1,589,157	82,825 1 6
1888.										
Ordinary ..	357,824	18,373 14 2	347,461	17,429 13 6	315,456	16,842 13 3	345,737	18,021 8 3	1,366,478	70,667 9 2
Press ..	40,051	2,109 14 7	49,049	3,019 8 11	43,631	2,792 14 6	49,024	2,362 15 5	181,755	10,284 13 5
Totals ..	397,875	20,483 8 9	396,510	20,449 2 5	359,087	19,635 7 9	394,761	20,384 3 8	1,548,233	80,952 2 7

Table No. 20.

INSULATION TESTS of the FIRST and SECOND COOK STRAIT CABLES for the Year ended 31st December, 1889, showing the Resistance per Knot after Two Minutes' Electrification in Megohms (British Association Units of Resistance).

First Cook Strait Cable.				No. 1 Wire.	No. 2 Wire.	No. 3 Wire.	Second Cook Strait Cable.				Dielectric Resistance per Knot.
January ..	..	..	..	164	164	358	January ..	..	..	..	28
February ..	..	..	..	152	157	332	February ..	..	..	..	49
March ..	..	..	..	170	168	352	March ..	..	..	..	33
April ..	..	..	..	170	171	365	April ..	..	..	..	17
May ..	..	..	..	159	169	347	May ..	..	..	..	392
June ..	..	..	..	166	180	371	June ..	..	..	..	335
July ..	..	..	..	176	192	392	July ..	..	..	..	2897
August ..	..	..	..	153	179	336	August ..	..	..	..	556
September ..	..	..	..	158	184	348	September ..	..	..	..	399
October ..	..	..	..	147	175	343	October ..	..	..	..	443
November ..	..	..	..	136	165	320	November ..	..	..	..	48
December ..	..	..	..	154	185	350	December ..	..	..	..	86

Table No. 21.

INSULATION TESTS of the WANGANUI and WAKAPUAKA CABLE for the Year ended 31st December, 1889, showing the Resistance per Knot after Ten Minutes' Electrification in Megohms (British Association Units of Resistance). Length of Cable laid, 108.69 Knots.

Date.						Dielectric Resistance per Knot.	Copper Resistance per Knot in Ohms.	Mean Temperature of Sea-bottom calculated from the Observed C.R.
						Twenty Cells.		Deg. Fahr.
January ..	..	..	..	..	..	6,400	10.98	58
February ..	..	..	..	..	..	5,273	10.989	58.5
March ..	..	..	..	..	..	4,975	10.98	58
April ..	..	..	..	..	..	5,319	10.95	57
May ..	..	..	..	..	..	5,261	10.97	57.5
June ..	..	..	..	..	..	6,930	10.81	51
July ..	..	..	..	..	..	7,793	10.91	55
August ..	..	..	..	..	..	8,403	10.889	54
September ..	..	..	..	..	..	7,158	10.864	53
October ..	..	..	..	..	..	6,539	10.892	54
November ..	..	..	..	..	..	6,293	10.91	55
December ..	..	..	..	..	..	5,465	11	59