

TABLE F.

INSULATION TESTS of the FIRST and SECOND COOK STRAIT CABLES for the Year ended 31st March, 1881, 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.
1880—							1880—				Five Cells.
April	24	...	...	164	275	341	April	24	...	...	1,568
May	24	...	...	175	287	363	May	24	...	...	1,716
June	24	...	...	189	307	371	June	24	...	...	1,643
July	24	...	...	189	311	372	July	24	...	...	1,765
August	24	...	...	181	291	345	August	24	...	...	1,681
September	24	...	...	165	263	323	September	24	...	...	1,358
October	25	...	...	148	248	311	October	24	...	...	1,393
November	24	...	...	142	239	306	November	24	...	...	1,211
December	24	...	...	141	259	313	December	24	...	...	1,410
1881—							1881—				
January	24	...	...	135	225	302	January	24	...	...	1,311
February	24	...	...	135	237	296	February	24	...	...	1,200
March	24	...	...	129	221	277	March	24	...	...	1,262

* Length of cable laid, 44,315 knots.

TABLE G.

INSULATION TESTS of the WANGANUI and WAKAPUAKA CABLE for the Year ended 31st March, 1881, 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.		
1880—										Deg. F.
March	2	...	...	...	...	...	...	2,532	11·084	63
April	24	...	...	...	...	...	...	2,688	11·113	64
May	25	...	...	...	...	...	...	2,715	11·043	61
June	24	...	...	...	...	...	...	4,187	11·017	60
July	24	...	...	...	...	...	...	4,934	11	59
August	24	...	...	...	...	...	...	5,604	10·95	57
September	24	...	...	...	...	...	...	4,920	10·93	56
October	23	...	...	...	...	...	...	4,927	10·95	57
November	24	...	...	...	...	...	...	4,194	10·99	59
December	23	...	...	...	...	...	...	4,293	10·94	56
1881—										
January	24	...	...	...	...	...	...	4,490	10·99	59
February	24	...	...	...	...	...	...	3,886	10·99	59
March	24	...	...	...	...	...	...	3,666	11·04	61