

Table No. 24.

INSULATION TESTS of the FIRST and SECOND COOK STRAIT CABLES for the Year ended 31st December, 1885, 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	..	..	..	156	178	317	January	..	..	..	1,375
February	..	..	..	161	183	312	February	..	..	..	1,289
March	..	..	..	176	190	334	March	..	..	..	1,361
April	..	..	..	..	..	..	April	..	..	..	..
May	..	..	..	154	170	299	May	..	..	..	989
June*	..	..	..	..	..	..	June	..	..	..	769
July	..	..	..	..	..	..	July	..	..	..	487
August	..	..	..	..	..	..	August	..	..	..	510
September	..	..	..	..	..	..	September	..	..	..	498
October	..	..	..	..	..	..	October	..	..	..	516
November	..	..	..	..	..	..	November	..	..	..	346
December	..	..	..	160	168	326	December	..	..	..	279

* Cable broken from 12th June to 20th December.

Table No. 25.

INSULATION TESTS of the WANGANUI and WAKAPUAKA CABLE for the Year ended 31st December, 1885, 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	..	..	..	..	..	..	5,128	10·99	58·5
February	..	..	..	..	..	..	4,801	11·02	60
March	..	..	..	..	..	..	4,639	11·02	60
April	..	..	..	..	..	..	4,944	11·04	60
May	..	..	..	..	..	..	4,804	10·99	58·5
June	..	..	..	..	..	..	4,913	11·02	60
July	..	..	..	..	..	..	6,206	10·99	58·5
August	..	..	..	..	..	..	6,153	10·95	56·5
September	..	..	..	..	..	..	4,689	11·02	60
October	..	..	..	..	..	..	5,729	11·02	60
November	..	..	..	..	..	..	5,920	10·99	58·5
December	..	..	..	..	..	..	5,282	10·97	57·5