

Table No. 25.

INSULATION TESTS of the FIRST and SECOND COOK STRAIT CABLES for the Year ended 31st March, 1882, 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.
1881—				1881—	
April	150	258	314	April	1,554
May	152	263	305	May	1,469
June	142	255	296	June	1,231
July	148	259	299	July	1,369
August	150	270	320	August	1,536
September	163	265	308	September	1,389
October	155	263	291	October	1,320
November	156	282	345	November	1,556
December	159	288	300	December	1,172
1882—				1882—	
January	136	245	309	January	1,238
February	Broke	19th	February	February	1,163
March	...	...	...	March	1,142

Table No. 26.

INSULATION TESTS of the WANGANUI and WAKAPUAKA CABLE for the Year ended 31st March, 1882, 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.
1881—	Twenty Cells.		Deg. F.
April	3,581	11·04	61
May	3,954	11·04	61
June	4,292	11·04	61
July	4,155	11·04	61
August	4,849	10·99	54·5
September	5,827	10·97	57·75
October	5,110	10·99	58·5
November	4,688	10·99	58·5
December	4,404	11·04	61
1882—			
January	4,705	11·01	59·5
February	4,173	11·01	59·5
March	3,688	11·02	60