SIXTH ANNUAL REPORT

ON THE

WORKING AND PROGRESS

OF THE

NEW ZEALAND TELEGRAPH DEPARTMENT.

PRESENTED TO BOTH HOUSES OF THE GENERAL ASSEMBLY, BY COMMAND OF HIS EXCELLENCY.

WELLINGTON.

1870.

SIXTH ANNUAL REPORT

OF THE

TELEGRAPH DEPARTMENT, NEW ZEALAND.

Office of the Commissioner of Telegraphs, Wellington, July 30th, 1870. Sir,-I have the honor to submit to your Excellency a Report as to the operations of the Telegraph Department of New Zealand during the year ending 30th June, 1870, being the Sixth Annual Report I have, &c, Julius Vogel, on the subject.

His Excellency Sir George Ferguson Bowen, K.C.M.G. Governor of New Zealand.

Commissioner of Telegraphs.

REPORT.

Satisfactory progress has, during the year, been made in extending the telegraph in the North Island; and the Tokomairiro to Queenstown (Lake Wakatipu) section having been purchased from the Provincial Government of Otago, the system throughout the Colony is now wholly under the control of this Department. The uniform charge of 2s. 6d. for an ordinary telegram of not more than ten of this Department. The uniform charge of 2s. 6d. for an ordinary telegram of not more than ten words, irrespective of distance, has been reduced to 1s.; a similar reduction has been made on Provincial Government messages; and the Press Telegram rate has also been greatly reduced. It need only be said here, that the policy of such reductions has been proved to be a sound one; and that most complete details as to the results of the change will be found in other parts of this report, and in the valuable tables comprised in the Appendix. A system of Telegraph Money Orders has been established. It bids fair to be most useful; but it has not been in operation for a sufficient time to warrant the expression of a definite opinion.

EXTENSION OF LINES.

During the past year, some of the lines in course of construction at the close of the financial year 1868-9 have been completed. They are as follow:—

Wellington to Wanganui and Patea.

The length of this line is 180 miles, namely—Wellington to Wanganui, 140 miles; Wanganui to Patea, 40 miles.

The poles between Manawatu and Waikanae, on the Wellington and Wanganui section, were supplied by Natives; the remainder were supplied, under contract, by Mr Bull, of Rangitikei. The line between Rangitikei and the foot of the Paikakariki was erected by the Natives, under the supervision of Mr. Blake, Inspector, and two linemen. The other portions of each section were completed, under contract, by Mr. O'Malley, the late contractor for the Tenui and Napier line.

All the poles on this line are of heart of totara, and it is not anticipated that, except from casual-

ties, any very heavy outlay for maintenance will be required for many years.

Stations have been opened at Otaki, Marton, Wanganui, and Patea, all in connection with the Post Office, except at Wanganui. It is intended hereafter to open a station at Foxton, the line having, with that object, been diverted from the sea coast.

The total cost of the line has been £10,093 12s. 3d., or equal to £56 1s. 6d. per mile. Fuller

particulars of the cost of construction will be found in Table A.

Great delays were experienced at first in the works, between the Waikanae and Ohau Rivers, through the unwillingness of the Natives to allow the line to be erected. That unwillingness was however happily overcome by the assistance of the Hon. Dr. Featherston, the Superintendent of the Province.

Hamilton to Cambridge.

The old Military line between Newcastle and Alexandra having become much decayed, it was thought advisable to carry the line from Hamilton to Cambridge (twelve miles), and to repair that portion of the old line between Cambridge and Alexandra. This has been done; telegraph communication is maintained with Alexandra via Hamilton and Cambridge; and the old Military line between Newcastle and Alexandra has been dismantled. The control of the twelve miles of new line between Hamilton and Cambridge is included in that of reconstructing the line from Auckland to Newcastle.

REPORT ON THE WORKING OF

Auckland to Newcastle.

This section of the Waikato line has been entirely reconstructed during the year. Two wires have been run as far as Mercer on the new poles, in order to give increased accommodation when telegraph communication is open with the Thames. Totara posts have been used throughout in the reconstruction of this section; in fact, from Auckland to Cambridge, the poles are all totara. The cost of the reconstruction to Newcastle, including the additional wire from Auckland to Mercer, and the twelve miles of new line to Cambridge, has been £3688 13s. 11d., or equal to £44 19s. 8d. per mile. Further details will be found in Table A.

LINES IN COURSE OF CONSTRUCTION.

Mercer to the Thames.

This line has been completed from Mercer to Pukorokoro, and from the station at Grahamstown to Piako. Should no unforseen difficulties occur, communication between Auckland and Grahamstown will in all probability be completed by the middle of July.*

Taupo Line.

This line extends from Napier to Tapuaeharuru, a distance of ninety miles, and is all but completed. The great difficulties in procuring poles, and in conveying the wire and insulators to the line of route, have considerably retarded the progress of the work. There is, however, every reason to believe that Wellington will be in telegraphic communication with Tapuaeharuru by the first week in July, as at the time of closing this report the construction of the line was completed to within two miles of Tapuaeharuru. The construction of this line is under the supervision of Mr Bold.

Tapuaeharuru to Tauranga, viâ Maketu.

The contract for supplying and delivering poles on this line has been let, and is being rapidly proceeded with. All the material for the wiring has been landed at Tauranga and Maketu. Eight miles, commencing at Tauranga, have been erected, and it is expected that the line will be finished by the end of July. It is intended to open a station at Tauranga, and a lineman's station half-way between Tauranga and Tapuaeharuru. The posts are all to be of totara. The works have been placed under the charge of Mr Walter Blake. The estimated length of the line is between 100 and 110 miles.

Alexandra (Otago) to Naseby.

At the request of the Provincial Government of Otago, preliminary operations have been commenced on this line. The survey was completed some time since, and the contract for the supply and delivery of poles (all heart of totara) has been let to Mr G. Proudfoot. The line, after leaving Alexandra, will pass by the township of Blacks, cross the Manuherikia at Beck's, run through the township of Hill's Creek, and thence along the main road to Naseby. Owing to the great distance whence poles had to be obtained, and as carting them would have to be done during the most inclement season, it was thought advisable to make the contract time as long as possible, and thus to lessen the cost. Should the material ordered from England arrive in time, however, it may be hoped that Dunedin will be in telegraphic communication with Naseby by the end of October at latest.

MAINTENANCE AND REPAIRS.

Bluff to Balclutha.

Bluff Harbor to Invercargill (twenty miles). The insertion of new poles, all of totara, will shortly be commenced, a contract for the supply and delivery of such poles along the line having been let to Messrs. Driver, M'Lean and Co., lessees of the Southland Railway. It was thought advisable not to call for tenders for this work, as whoever might have obtained the contract would have been compelled to use the railway for delivering the poles.

From Invercargill to Balclutha, the poles have been lowered, new ones put in where necessary, and the route altered in some places. This section will probably not require new poles for two or three years, but none of the poles recently lowered can be expected to last for more than three years from the present time.

A station will shortly be opened at the Mataura, about half-way between Invercargill and Balclutha, which, apart from the accommodation it will afford to the public, will be most valuable in cases of interruption on the line.

Balclutha to Waitaki.

The Balclutha to Waikouaiti portion of this section has been entirely renewed with totara poles, and a third wire has been run from Dunedin to Tokomairiro, in order to give Dunedin direct circuit with the gold fields line. Important alterations have been made in the route, by which the stability of the line has been greatly improved, and its length considerably reduced, thus materially lessening the cost of future maintenance. From Waikouaiti to the River Waitaki, the line is now being thoroughly examined and repaired, and this work will probably be completed in a few months.

Waitaki to Christchurch,

Between the Waitaki and Rakaia Rivers, the line has been thoroughly overhauled, and is now in very fair condition. From the Rakaia to Christchurch, new poles of totara have been inserted, and this portion of the line may be considered nearly equal to new. A post and telegraph station will shortly be opened at Waimate, between the Waitaki and Timaru; tenders for the erection of buildings having been advertised for.

THE TELEGRAPH DEPARTMENT.

Christchurch to Hokitika and Greymouth.

From thirty miles east of Hokitika to Greymouth, this line has undergone extensive repairs, and is

now in excellent condition.

The section between the Bealey and Christchurch may require to be poled during next summer. One or two severe casualties have happened on the Bealey to Hokitika section during the last few months; but otherwise the maintenance of the line has been within the ordinary cost. Occasionally this line does not work well, owing to the presence of atmospheric electricity on the wire. The line for the most part runs over very high country, and its general direction is east and west.

Greymouth to Westport.

This section has been several times injured by falling trees; but, except in repairing such or similar damages, only ordinary expenditure has had to be incurred. But little deterioration is apparent, and, apart from it, the section seems in as good condition as when it was opened.

Christchurch to Blenheim.

From Christchurch to Woodend, fourteen miles, has been re-poled, thus completing the reconstruction commenced by Mr. Blake, in 1868. From Woodend to Blenheim, little beyond cost of maintenance has been required. At the River Waiau, floods have frequently caused accidents, such as it is hoped have now been rendered almost impossible; the line having been secured by an iron-tube pole, driven twenty feet into the shingle bed of the river. Details of the cost of maintenance, including reconstruction between Christchurch and Woodend, are stated in Table L.

Blenheim to Nelson.

From Blenheim to Picton fourteen miles of new totara poles have been erected, and the wires have been thoroughly repaired. The Picton to Nelson section has not required repair. The reconstruction of the portion between Havelock and Nelson was completed shortly after the date of the last report. A short distance, between Picton and Havelock, will require to be re-poled during the summer. This part of the line being very difficult of access, it is intended in the reconstruction to use built poles, of picked heart of totara. Such poles do not cost more than 12s. each, and being extremely light they are eminently adapted for places where it would be almost impossible to use ordinary poles.

Tokomairiro to Queenstown.

On December 1st, 1869, this line was bought from the Provincial Government of Otago; and the transference of the telegraph throughout the Colony was thus completed. The price was settled by arbitration; Mr Logan acting for the Provincial Government, and Mr Bird for the General Government. The price as settled for the line, buildings, instruments, &c. was £2,384 2s. 6d. New material imported by the Provincial Government, including 1,120 iron poles, was taken over at invoice price, with charges added (£2,047 18s. 10d.), making the total purchase money £4,432 1s. 4d. Owing to the bad condition of the line, immediate reconstruction was deemed advisable, and is now being carried out under the supervision of Mr Logan, the iron poles being used. Up to date, the work has been carried as far as Alexandra.

Wellington to Napier.

The casualties on this section during the year have been very few. One great source of trouble, the falling of trees on the line in the Tauera Bush, has been removed; the lineman having, in the course of the summer, cut down all doubtful trees that would, by falling, have been likely to cause injury. The cost of this work has been amply repaid, no interruption having since occurred in the bush. At the Hutt River two large poles have been erected, and the one on the Wellington side (because of the constant encroachment of the river) has been placed some chains back from the bank, and may now be regarded as out of danger.

The station at Castle Point has been converted into a lineman's station. The arrangement answers well and saves at least £150 per annum. At the Hutt, a station has been opened and the duties of Telegraphist and Postmaster are performed by one officer. Details of the expenditure for the maintenance of each section, will be found in Table L.

COOK STRAIT CABLE.

The tests for insulation have been more regularly taken this year than they were last year. Nos. 1 and 3 wires, as will be seen from Table M, still give satisfactory results; but No. 2 is not so good as could be wished.

MISCELLANEOUS.

Six complaints by the Public have been recorded during the year, namely:—Three, of late delivery; one, of breach of confidence; one, of wrongly taking down; one, of failing to deliver a message. Each complaint was strictly enquired into, and measures were taken to avoid cause for similar complaints.

The number of telegrams transmitted during the year was 185,423. Considering this large amount of work, it may fairly be said that the duties of the staff have been very satisfactorily performed.

Owing to the rapid extension of the Telegraph in the Northern Island, and to the general requirements of the service, the Learners' Gallery has been fully occupied during the year. Eighteen Cadets have been instructed and have been appointed either to fill vacancies caused by the opening of new stations or to enable the General Manager to provide for contingencies. During the current year, only a few such appointments may be made; their number depending to a large extent upon future extension of lines.

REPORT ON THE WORKING OF

Arrangements have been completed for the reception of telegrams at the Post Offices throughout the Colony; forms and envelopes being procurable at each office. The messages are sent through the Post Office free to the nearest Telegraph Station; but each telegram must be prepaid by postage stamps affixed. As the arrangement only came into force on the 1st June, no statistics are available; but there can be no doubt that it will be a great boon to residents out of the reach of a telegraph station. In the event of a telegram not being sufficiently stamped, the deficiency is collected on delivery.

On the 15th of June, a system of Money Order Telegrams was instituted. The money part of the transaction is completed by the Post Office, this Department simply telegraphing the respective orders and advice. The arrangements are such as not to interfere in any way with existing money order regulations. The public have already largely availed themselves of this privilege—a very great one, in

all cases in which the saving of time in the payments of small sums is of importance.

Table K. contains a statement of the number of telegrams and of letters despatched within each Province during the year, as compared with the totals for each of the previous two years. It will be seen that the per centage of telegrams to letters shows a large increase during last year.

FINANCIAL.

On the 1st of September, 1869, a uniform rate of charge for ordinary and Provincial Government telegrams was established, namely—2s. 6d. for the first ten words, for any distance, and 6d. for each additional five words, or fraction of five words; Press telegrams being charged, for the first ten words, 1s. 6d., and for each additional ten words, or fraction of ten words, 6d. On the 1st April, 1870, a further reduction was made to—Ordinary and Provincial Government telegrams, 1s. for the first ten words, for any distance, and 6d. for each additional five words, or fraction of five words; and Press telegrams, 6d. for the first ten words, and 6d. for each additional fifteen words, or fraction of fifteen words. The charge for the signature of the sender of Press telegrams was at the same time discontinued.

From table B, it will be seen that the total number of telegrams despatched during the June quarter under the the Shilling Tariff, shews an increase of 22,565 over those during the previous quarter under the half-crown tariff, whilst the cash receipts show a decrease of £101 17s. 6d. Thus the public was largely benefited by the reduction, the Department doing nearly double the amount of work, and the Government receiving £100 less revenue. It cannot, however, be doubted, that as telegraphic facilities are extended—especially by the opening through to Auckland—and as the advantages of a general use of "the wires" come to be appreciated, the reduction of charges will prove a gain to the revenue as well as a great boon to the community.

The details furnished last year of the total number of telegrams of each code, and the receipts for each, will be found repeated in Tables C, D, E, F, H. The table shewing the total value of business, the total cash receipts, and the cost of maintenance of each station (G) will be found to be interesting.

The number of telegrams of all codes transmitted during the year was 185,423, or an increase of 29,256 on the number (156,167) during 1868-69. This increase is, to some extent, due to the work performed on the old provincial lines, and to the opening of new stations—but it is mainly attributable to the increased facilities given to the public by the reduced charges. The immediate effect of the reduction was well shewn by the fact that during April (the first month it was in force), the users of the telegraph for private purposes were 1333 in excess of those during March.

The total cash revenue of the line from Bluff to Napier, including the Patealine (Table .) I, amounts to £16,799 18s. 1d.; the total value of business done during the same period being £28,233 2s. 6d. After deducting the cost of maintenance of stations (£14,745 12s. 8d.), and of maintenance and reconstruction of lines (£12,392 13s. 5d.) this leaves a balance of £1,094 16s. 5d. to the credit of this

portion of the line.

The returns of the Auckland line, treated in the same way (Table J.), shew an excess of expenditure over receipts of £2,162 1s. 3d.; but after deducting the amount to the credit of the Bluff, Napier, and Patea line (£1,094 16s. 5d.), there remains only £1,067 4s. 10d. to the debit of the Department. At least £6,000 of the cost of maintenance of Southern lines might, however, be fairly charged to construction, so that there might be said to remain a balance to the credit of the Department of close on £5,000.

The total cash receipts of both lines is £17,218 1s. 4d.; and the total value of business done

£29,470 7s. 4d.—(Tables I. and J.).

Considering the depressed state of the colony during the year, the prospects of the Department may be regarded as encouraging, and it can confidently be said that the public fully appreciate the advantages resulting from the reduction of charges, by which the telegraph is made a means of convenience usable by all, instead of a luxury, or a costly necessity in cases of emergency.

PRE-PAYMENT FOR TELEGRAMS, TO GREAT BRITAIN AND OTHER COUNTRIES.

MEMORANDUM FOR HIS EXCELLENCY THE GOVERNOR.

The Commissioner of Telegraphs respectfully requests His Excellency to move the Secretary of Sate for the Colonies to communicate with the Post Office and Telegraph authorities at Home, with the view of ascertaining whether some facilities cannot be afforded for the receipt and transmission of Telegrams to or from the Mother Country. The Commissioner believes that very extensive use would be made of the Telegraph, if persons could feel assured that, without the necessity for writing to a special or other correspondent in each case, Telegrams would be conveyed to the nearest port in Great Britain or a Colony, and be thence at once forwarded to their respective destinations. Such an arrangement would be especially valuable to New Zealand, which may be entered at so many different ports, from so many different points.

It has been the object of the New Zealand Government to enable residents in other countries to

It has been the object of the New Zealand Government to enable residents in other countries to forward Telegrams to the Colony, through the nearest station to be thence transmitted to their destinations. To effect this purpose, three things are necessary:—1. That the rates of charge should be generally known.—2. That a convenient means of paying for the Telegrams should be afforded.—3. That separate Post Bags containing such Telegrams should be made up, and be forwarded to the nearest Telegraph Station in New Zealand, for transmission to their destination. On the other hand, it would doubtless be a great convenience to residents in the Colonies, if bags of Telegrams could, in a similar manner, be sent to Great Brtiain, under an arrangement for their delivery to the telegraphist at the nearest station, and for their being duly transmitted thence.

The Commissioner for Telegraphs suggests—That the rates of charge for telegraphic messages within Great Britain should be made known in New Zealand, and that New Zealand stamps should be declared receivable as payment of telegraphic charges; such stamps, uncancelled, to be returned to the Colony, and payment to the amount of the same to be made by the Colonial Government. In the same way, the Colonial Government would be willing that telegrams from Great Britain for any part of the Colony, should be paid for in English stamps, if the English authorities would agree to refund to the Colony the amount of such stamps on their being forwarded home uncancelled. The English Post Office authorities should also agree to make up a special bag of telegrams, as already described.

The Commissioner ventures to suggest, that it would be a very great boon, and very greatly cal-

The Commissioner ventures to suggest, that it would be a very great boon, and very greatly calculated to promote interchange of communication throughout the world, if the Imperial authorities would endeavour to arrange with all countries possessing interior lines of telegraph, for the affording of such facilities as are herein proposed; and the Commissioner thinks that the matter would be a simple one, as regards any country in which postal or other stamps are used.

The Commissioner encloses herewith copies of the rates of charge adopted in New Zealand, together with forms for the transmission of messages. It would not, however, be necessary that those forms should be used or adhered to in carrying out the plan proposed. It would be well that the authorities at home should be asked to state whether they would make it a condition of entering into an arrangement, that the authorised English forms should be adopted; and if so, the authorities should be requested to send out to the Colony a considerable supply of such forms.

JULIUS VOGEL.

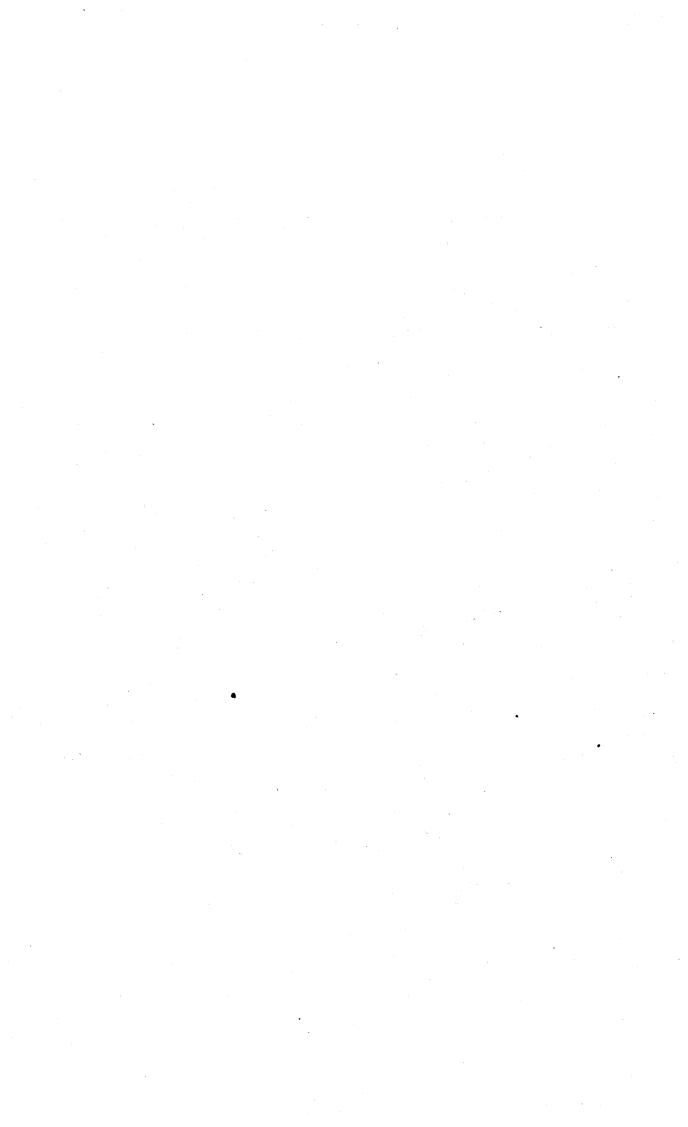


Table A. TOTAL COST of the LINES OF TELEGRAPH throughout New Zealand, and of the Cook's Strait Cable

SECTION OF LINE.	Length of Section in Miles.	Cost of Clearing Bush.	Total Cost of Poles for Section, including Delivery.	Cost of Wire Arms, Insulators, &c. including Cartage.	Cost of Erection.	Total Cost of Section.	Cost per Mile.
Bluff to Invercargill Invercargill to Mataura Mataura to Waitaki Waitaki to Hurunui Hurunui to Nelson White's Bay Line Port Chalmers Christchurch to Greymouth Greymouth to Westport Blenheim to Woodend, reconstruction, including White's Bay line (194 miles)	19 32 189 218 241 7 8 176 67	£ s. d 1,229 3 3 1,951 7 6	1,199 0 0 8,353 18 0 6,554 8 8 5,213 14 0 1,070 16 5	739 1 4 3,034 7 9 3,427 13 6 3,953 3 4 	1,720 13 3 3,760 19 0 3,661 6 0 503 12 6 800 0 0 3,808 0 0 3,019 17 9	812 15 6 2,407 12 4 13,108 19 0 13,743 1 2 14,057 6 7 503 12 6 800 0 0 3,808 0 0 7,002 17 0	75 4 9 69 7 0 63 0 70 58 6 06 71 18 11d 100 0 06 21 12 9f 104 10 5g
Tokomairiro to Queenstown Total Middle Island	$\frac{140}{1,097}$	3,280 10 9	27.528 9 6	14,137 16 7	$\begin{array}{ c cccccccccccccccccccccccccccccccccc$		$\frac{31\ 13}{65\ 2} \frac{2h}{1i}$
Lyall's Bay to Wellington Wellington to Patea via Wanganui Wellington to Masterton Masterton to Castle Point Castle Point to Porangahau Porangahau to Napier Auckland to Cambridge, via old line to Alexandra, in-	4 180 59\frac{3}{4} 35\frac{3}{4} 53 68	67 18 6 264 4 6 22 15 1 176 9 4 74 0 0	123 5 0 4,647 12 7 2,362 10 0	104 6 0 2,315 9 5 839 4 4 388 18 6 722 18 6		285 6 0 10,093 12 3 3,460 15 1 1,679 2 8	71 6 0 56 1 6k 57 18 4 l 46 19 6l 82 8 2m 69 3 9m
cluding branch line to Hamilton Auckland to Newcastle, reconstruction 70 miles, including new line from Hamilton to Cambridge, 12 miles	152		1,393 14 6	 841 15 9	3,256 0 0 1,453 3 8		21 8 5n 44 19 8
Total North Island	$\frac{564\frac{1}{2}}{1,097}$	605 7 5 3,280 10 9	10 986 17 7 27,528 9 6	6,131 2 2	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
	1,6611	3,885 18 2	38,515 7 1	20,268 18 9	40,286 1 1	102,956 5 1	61 19 4p
Cook's Strait Cable, including freight from London, and expense of laying Total Expenditure (exclusive of lines in progress						29,864 0 0 132,820 5 1	

Total number of miles of Line, 16612; total number of miles of Wire, 2897.

Table B. ORDINARY, PRESS, and PROVINCIAL GOVERNMENT TELEGRAMS despatched during each QUARTER of the YEAR ended 30th June, 1870, and the REVENUE derived from each Class.

		SEPTEME	ER QU.	ART	ER,		er Quar 1869.	rer,	Marci	QUAR 1870.	TER	,		Quar 1870.	TER,	
		No. of Telegrams	Reve Deri			No. of Telegrams	Reven Derive		No. of Telegrams	Re v e Deri			No. of Telegrams		enue ived.	
Press Do.	•••	24,307 1,152 877	3753 340 271	4	0 3 1	21,972 853 897	3558 13 216 18 216 11	0	23,351 740 870	3781 182 198	4	6 0 0	44,788 1,460 1,278	3636 241 182	14	0
Totals		26,336	4365	11	4	23,722	3992 2	0	24 961	4162	11	6	47,526	4060	14	0

Total number of miles of Line, 1661½; total number of miles of Wire, 2897.

a Purchased from Southland Government. b Includes £450, purchase of Lyttelton line. c Approximate cost. d Approximate cost of Poles, &c. e Purchased from private firm. f Purchased from Canterbury Government. g Six per cent. and difference between receipts and cost of maintenance guaranteed by Nelson Government. h Purchased from Otago Government; total cost includes £2047 18s. 10d. for new material. i Average cost per mile, Middle Island. k Includes cost of exploration of three routes; one by Waipukurau and Wanganui; one by Masterton and Wanganui; and one by Wellington and Wanganui (present route). l Supply of Poles and supervision included in cost of erection. m Survey and supervision included in cost of erection. n Of this amount £2,276 was paid to the Imperial Government as purchase of the line; the balance, £980, is the cost of extension from Ngaruawahia to Hamilton, and from Alexandra to Kihi Kihi. o Average cost per mile, North Island. p Total average cost per mile.

Table C.

ORDINARY TELEGRAMS despatched from EACH STATION during Year ending 30th June, 1870.

				DT.	1000.			ĩ	1870.			
NA	NAME OF STATION.		SEPTEMBER	R QUARTER.	Десемвев	R QUARTER.	MARCH	QUARTER.	JUNE	QUARTER.		LOTALS.
			No. of Telegrams.	Amount.	No. of Telegrams.	Amount.	No. of Telegrams.	Amount.	No. of Telegrams.	Amount.	No. of Telegrams.	Amount.
				£ s. d.				ò		86		æ
Alexandra, Otago	:	:	:	:	99	11 18 0	127		199		392	45 12 0
Balclutha		:	281	18	203		228		433	14	1,145	18
Bealev				œ	51		523	17	19	19	220	œ
Blanhaim	•			7.0	535		579	4	1.021	1	2.696	, 20
Bluff	:	:		00	241		182	C	334		1 0 88	و
Brighton	:	:	1935	·	158		133	4	588	70	418	oc
Castle Point	:	:		17	56				114		255	
Charlestown	:	: :	677	0	573		403	-	926		2.612	_
Cheviot		: :		0.1	105	0.1	152		163		520	19
Christehurch		: :	2.614	453 14 2	2,088	362 17 0	2,267		3.927		10.896	
Clyde				;	104	4	302		462		868	19
Cromwell		: :	: :		127	19	280		552		959	9
Dunedin			3,969	18	3.861	11	4.209		7.084		19.123	-
Featherston		: :	22		30	20	47		119		271	17
Greymouth		: :	1,647	10	1,309	10	1.001		1.996		5,953	839 16 7
Greatown		: :	150	11	109	12	124		323		902	_
Havelock				11	206	10	283		539		1,255	$139 \ 16 \ 6$
Hokitika		: :	1,818	342 10 6	1,495		1,376	230 14 0	2,349		7,038	1,027 4 6
Hutt					. :		7	23	123		130	9 10 6
Invercargill	: :	: :		114 11 11	609	15	574	0 8 66	949	86 7 0	2,780	
Kaiapoi	:	:			155	10	276	œ	988		1,680	
Kaikoura	:	:	- 26	<u>,</u>	71	10 11 0	06	c 1	169		427	61
Lawrence	:	:	:	:	29	13	380	01	477		924	າດ
Lyttelton	:	:	815	8 6 28	533	c 1	701	14	1,783		3,832	397 15 2
Marton	:	:	:	: 1	: ;	; ;	43	Ξ:	261		304	Ξ.
Masterton	:	:		9 II 9	20°	0 T 8 J	33 ;	Ξ,	175		389	20 J
Napier	:	:	547	χ 1	44.	x	9I9	<u>,</u>	1,014		2,520	17
Nelson	:	:	1,224	28 17	1,439	٥ ;	1,232	24 :	2,259		6 154	Η,
Oamaru	:	:	988	14 4	828	6j	780	က္	1,251		3,745	468 9 9
Otaki	:	:	:	:	∞ ∞	4	32		114		159	18 1 0
Palmerston	:	:	:	:	:	:	78	0 (233		311	29 0 62
Patea	:	:	:	;	: 1	: '	o	20 (337		346	30 9 0
Pieton	:	:	379	46 2 0	230	01	231	6	572		1,412	154 9 0
Port Chalmers	:	:	330	17	252	36 10 0	298	44 9 6	705	48 10 6	1,645	163 7 9
Queenstown	:	:	:	:	81	<u> </u>	203	32 9 6	486		770	9 0 06
Roxburgh	:	:	:	:	45		101	15 ± 6	142		288	82 4 0
	į											

THE TELEGRAPH DEPARTMENT.

Ordinary Telegrams despatched from each Station during Year ending 30th June, 1870.

Table C .- (Continued).

		unt.	118 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18 0	10 6
	Totals.	Amount.	24 1 159 1 65 1 159 1 65 1 1 65 1 1 65 1 1 1 1 1 1 1 1 1 1	1 407 1	14,730 1
		No. of Telegrams.	235 1,141 649 3,470 2,199 710 4,839 9,115 641 4,339 110,883 110,883 1,171 359 1,171 376 472 349 529 279	3,535	114,418
	JUNE QUARTER.	Amouut.	26 8. d.	94 15 6 3,541 14 6	3,636 10 0
70.	JUNE	No. of Telegrams.	94 987 289 1,362 444 290 1,673 3,760 1,666 1,666 1,666 1,666 1,37 133 175 144 412 133 175 198 82	1,287	44,788
1870.	Мавсн Quarter.	Amount.	\$\begin{align*} \begin{align*} \begi	3,663 12 6	3,781 10 6
	MARCE	No. of Telegrams.	61 122 707 300 148 89 153 1,937 792 6 6 22,602 22,602 112 92 76 106 106 106 106 106 106 106 106 106 10	749	23,351
	DECEMBER QUARTER.	Amount.	2 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	101 18 6 3,456 14 6	3,558 13 0
39.	В есемв	No. of Telegrams.	233 233 640 670 625 133 129 432 1,678 56 992 56 992 56 992 77 77 77 77 76 76 77 77 76 77 76 76	663	21,972
1869.	er Quarter.	Amount.	25 s, d. 43 2 10 13 8 7 111 8 7 95 15 4 15 6 1 17 6 0 292 11 1 67 13 7 147 7 5 0 5 5 3,660 11 0 28 11 3 7 11 28 11 3 7 11 8 4 9 8 4 9	93 6 0	3,753 17 0
	SEPTEMBER	No. of Telegrams.	268 139 731 830 139 139 126 138 139 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3	836	24,307
				: :	:
	NAME OF STATION.			Auckland Lines Bluff to Napier aud Patea	:
	NAM		Selwyn Spit Spit Timanka Timanka Timanka Timani Tokomairiro Waikonaiti Waipawa Waipukurau Waipukurau Waipukurau Waipukurau Waipukurau Tokelington Totals Bluff to Napier and Patea Alexandra, Auckland Auckland Cambridge Hamilton Mercer Newcastle Newcastle Onehunga	Totals Auckland Lines " Bluff to Napier	Grand Totals

Table D.

PRESS TELEGRAMS despatched during Year ended 30th June, 1870.

					18	1869.			1870.	70.		E	
	NAME OF STATION.	STATION.		SEPTEMB	September Quarter.	Десемве	Dесемве в QUARTER.	MARCH	March Quarter.	JUNE	June Quarter.	Ă	Totals.
				No. of Telegrams.	Amount.	No. of Telegrams.	Amount	No. of Telegrams.	Amount.	No. of Telegrams.	Amount.	No. of Telegrams.	Amount.
					£ s. d.		£ s. d.		ai		£ 8. d.		s.
Alexandra, Otago	:	:		: u	: 12	61	œ	c	0 4 6	:	:	1 co	0 13 0 5 0
ранспила Везреу	:	÷			q	:	:	q	•	:	:	•	מ
Blenheim	: :	: :	: :	: 10	0 12 8	:6		14	206	23	18	51	:
Bluff	:	:	:		9	39	$\begin{array}{cccccccccccccccccccccccccccccccccccc$:	:	:	:	91	্য •
Brighton	:	፥	:	:	:	-		:	:	; -	: '		٦,
Cashepoint Charleston	: :	: :	: :	: r-1	02	14	22	: 60	0 60	⊣ ຄວ	9 9 0	21	0 0 0 0 0
Cheviot	:	:	:		:	:		:	:	:		:	:
Christchurch	:	÷	:	189	57 18 2	86	27 17 6	124	31 8 6	921	27 10 6	587	144 14 8
Clyde	:	:	:	:	:	:°	1:	- t	20 0	:-	: -	<u>-</u>	
Cromwell	:	:	:		01 61 01	2 12	0 % 01	` [N <u>S</u>	1001	0 1 0	10	۲ ۲
Duneum Featharston	:	:	:	_	9	5	>	₹	21	507		000	>
Greemonth	:	:	:	:-		: 67	: -	:2	: ₹	. v.	. cc	: 62	. T
Greatown	: :	: :	: :	- m	9 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1	0 0 0	4	1 =) m	4	11	<u>,</u>
Havelock	: :	: :	: :			4	œ	Ø	က	10	9	16	18
Hokitika	: <u>:</u>	:	:	99	27 7 6	32	4	16	4 1 0	32	$2\ 11\ 0$	136	46 3 6
Huft	:	:	:	:		: '	:	ල !	တ	- ;	~- ;	4.0	Ξ'
Invercargill	:	:	:	:	0 13 4	9 (0 18 0	2	ro c	01 —	Πì	20 0	χ ç
Kaiapoi	:	:	:	; ;		23	7	-	N		CT.	27	5
Kalkoura	:	:	:	:	:	:	:	: c	: -	:	:	:°	
Lawrence	:	:	:	: 20	:-[:	:	٦.	0 19 0		: -	100	
Marton	: :	: :	: :	3 :		: :	: :	1:	٠;	; r-l	0 1 0	2	0 1 0
Masterton	: :	: :	:	:		:	: :	:	: :	:		:	:
Napier	:	:	:	118	24 18 11	73	20 16 6	95	$29\ 10\ 0$	111	23 19 6	397	99 4 11
Nelson	:	:	:			94		79		139		349	9
Oamaru	:	:	:			4		9		<u>ෆ</u>		15	0
Otaki	:	:	:	:	:	:	:	:	:	:	:	:	:
Falmerston	:	:	:	:	:	:	:	:	፧	:`		:	: -
Fatea.	:	:	:	:	:	:0	:0	:	:	44	0 11 0	∰ C	70
Fort Chalmers	: :	: :	: :	24	2 18 9	19	0 9 8	21	2.96	127	. 9	191	15 0 9
Queenstown	: :	: :	: :			-	က	9	1 11 0	11	1 7 6	18	-
Roxburgh	:	:	:		:	:	:	:	Ξ	:	:	:	:
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Table D.- (Continued).

PRESS TELEGRAMS despatched during Year ended 30th June, 1870.

	ĽŠ.	Amount.	£ 8. d.		9 8 0		2 16 0			333 1 6	40		:	970 18 6		4 8 2	: -	20 20 20 20 20 20 20 20 20 20 20 20 20 2	:	0 9 11	•		10 1 9	9 81 046		981 0 3
	Totals	No. of Telegrams.		: o	or co	81	24.2	: "	- 60	1,276	- 56 56	31		4,150		88	::			တ င	۹		55	4,150		4,205
	JUNE QUARTER.	Amount.	£ s. d.		0 1 0		0 10 0	:		80 2 6			::	241 11 6		9 2 0	:	: :	: :	:	:		0 2 6	241 11 6		241 14 0
1870.	JUNE (No. of Telegrams.		:4	٠,	තු ං	 	:		385	L (77	:	1,459	THE PERSONNEL PROPERTY OF THE PERSONNEL PROP		:	: :	: :	:	:		н	1,459		1,460
18	March Quarter.	Amount,	£ s. d.	÷ :		1 18 0	0 8 7 8 7 8	:	. 20	53 1 6		9 01 0	•••	176 1 0		1 14 6		0 14 0	:	:	:		6 3 0	176 1 0		182 4 0
	Мавсн	No. of Telegrams.		: :	::	4	11	:	::9	190	:'	oo	:	715		6	:-	120	· :	:	:		25	715		0740
	DECEMBER QUARTER.	Amount.	£ 8. d.	. પ્વ	9 1 0	4.5	1 20	:	3 17 0	68 11 0	;	9 6 7	***	215 15 0	1	0 12 6	:	0		: :			1 3 0	215 15 0		216 18 0
·6	December	No. of Telegrams.		:		91	# L	:	:4	301	:;	15	:	845		4	:	: 67	:	:0	Ŋ		%	845		853
1869.	September Quarter.	Amount.	£ s. d.		0 9 0	4 t			0 7	. 9	5 8 10		::	937 11 0	-	1 18 8	:	0		0 9 11	:		2 13 3	337 11 0		340 4 3
	SEPTEMBE	No. of Telegrams.		:4	3 60	6	7 :	; "		400	19		:	1,131		14	:	:4	٠:	က	:		21	1,131		1,152
				:			: :		ī ī	•	:	:	:	:		•		:			:		:	:		:
	NAME OF STATION.			Ī.	Temuka	:	Waikouaiti	:	:	Walington	t Buildings	: :	White's Bay	Totals, Bluff to Napier and Patea		Alexandra, Auckland	:	Hamilton		le	Onenunga		Totals, Auckland Lines	Totals, Bluff to Napier and Patea		Grand Totals

Table E.

PROVINCIAL GOVERNMENT TELEGRAMS despatched during Year ended 30th June, 1870.

						Á				0.1	TOIO.			
	NAME OF STATION.	TATION.		<i>5</i> 2	EPTEMBER	September Quarter.	Бесемве	December Quarter.	Мавсн	QUARTER.	JUNE	JUNE QUARTER.	H	Fotal.
				Tele	No. of Telegrams.	Amount.	No. of Telegrams.	Amount.	No. of Telegrams.	Amount.	No. of Telegrams.	Amount.	No. of Telegrams.	Amount.
						£ s. d.		1		zi		l si		a
Alexandra, Otago	÷	:	:	<u>:</u>	::	:	-	0 8 0	<u>.</u>	$\frac{1}{1}$ 15 0	9	$0\ 10\ 6$	16	2 8 6
Balclutha	:	:	:	:	22		41	0	2	9	4	12	37	11
Bealey	:	:	:	:	က ု	0 14 4	- 1	က ⁾	87	~		Ø	7	9
Blenheim	:	:	:	:	19		<u>,</u>	ı,O	.o.	<u>8</u> .	53	12	84	12
Bluff	:	:	:	:	: 0	: -	::	6.0	1 8	41 -	: ;	:	-	4
Brighton	:	:	:	:	0	0 1 1	ET		07	3 1 (FT -	0 71 73	72	0 ;
Castle Foint	:	:	:	:		1 ;	: ₹	:-	n (7 1	::	:	က	77
Charleston	:	:	:	:	10	, 4 t	# o	ا د	07).T	Le l	က အ မ	158	4.
Cheviot	:	:	:	:	:0	: 0	o 10	1,000	: c	: 1	:,	: -	י פים	0
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Clyde	:	:	:	:	:	:	7	o F	77 (77	- 6	22.0	⊣ 0	69 —	27 (
Cromwell	:	:	:	:			. c.	7.T	n (7 5	x 5	ני סכ	19	∞
Duneam E11	:	:	:	:	000	0 0 0	612	10 10	194	41 10 o	246	34 Ib 0	833	э ;
Featherston	:	:	:	:	o 5		T C	9 1	i F	ָּיַ כ	> ?	Ξ;	18	16
Greymouth	:	:	:	:		بر ا	0,0	or o	5.	ر ب	40.	Ξ,	322	14
Greytown	:	:	:	:	٦ ۵		00	1 C	7.	<u>ر</u> د	2 5	4, €	ე: ე:	ו פו
Havelock	:	:	:	:	0.01		3 5	• 0	1001	ر د	010	n	16	G I
HOKITIKA.	:	:	:	- :	90	>	#OT	0	120	χÇ.	621	o ç	532	91
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Masterion	:	:	:	:	: -		:-	: ₹	: en	: =	q	5	QT V	
Nanier	:	:	:		56	2	22	- C	3.5	; 0	: 5	: "	117	2 00
Nelson	:	:	:	: :	24	00	62	2	7.5	· C	133	4	308	4
Oamaru	: :	: :	:		15	2 10 11	20	4 8 0		2 0 6	224	2 15 6	25	4
Otaki	: ;	:	: :			:	:	,	:	,	63	200	· 6	107
Palmerston	: :	: :	:	-	 : :	: :	: :	: :	. 67	9 9 0	100	1	1 0	
Patea			: ;		: ;	. ;	: :	:	' ;))	i	3	
Picton	: :	: :	: :		-		-	67	. 67	, rc	· 00	70		4
Port Chalmers	: :	: :	: :		19	2 10 10	23	3 19 0	26	4 50	30.	2 11 0	86	13 5 10
Oueenstown	;	:	;		-	:	7	ıΩ	17	18	49	œ	73	Ξ
Roxburgh	: ;	: :	: :		: :	: :	70	16	, rc	00	4	1	7	C
	:	:	:			•	,							

Table E.—Continued.

PROVINCIAL GOVERNMENT TELEGRAMS despatched during Year ended 30th June, 1870.

		Separateur One	OTT THE		T. C.	3.6				To	Totals.
		Jo of		No of	A COARLER.	MARCH	QUARTER.	JUNE	JUNE QUARTER.		
	:	Telegrams.	Amount.	Telegrams.	Amount.	No. of Telegrams.	Amount,	No. of Telegrams.	Amount.	No. of Telegrams.	Amount.
	:		£ s. d.	-	£ s. d.		£ 8. d.		£ 8. d.		£ s. d.
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	_	73		0	91	F G	۰ د	70	ٍ ٥	167	4
: :	:	67	15 11 11	9	n C	1 10	٥	47	2 10 0	26	9
•	:	5		3	>		J.S	104 104	Ξ	317	C)
•••	:	:	:	:	:	:	:	:	÷	:	፧
Totals Bluff to Napier and Patea	;	876	271 6 7	268	216 11 0	870	198 17 0	1278	182 10 0	3921	869 4 7
	<u> </u>										
Alexandra, (Auckland)	:	:	:	:	:	:	:			-,-	
:	:	:	:	:	: :	: :	: ;	:	:	3	:
:	÷	:	:	:	:	:		: :		:	:
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Totals Auckland Lines		H	9								,
		1)	:	:	:	:	:	:	٦	0 8 0
Bluff to Napier and Patea	:	876	271 6 7	268	216 11 0	870	0 41 861	1278	182 10 0	3921	869 4 7
	1										
Grand Totals	:	877	271 10 1	468	216 11 0	870	0 41 861	1278	182 10 0	3922	869 8 1

Table F. General Government Telegrams despatched during Year end 30th June, 1870.

	A PARTICIPATION OF THE PARTICI			1869.	39.			18	1870.		[E	
NAN	NAME OF STATION.		September	R QUARTER.	D есемвев	R QUARTER.	МАВСН	QUARTER.	JUNE	JUNE QUARTER.		Totals.
			No. of Telegrams.	Amount.	No. of Telegrams.	Amount.	No. of Telegrams.	Amount.	No. of Telegrams.	Amount.	No. of Telegrams.	Amount.
				£ s. d.				'n		ż		£ 8. d.
Alexandra, Otago	:	:	:	;	-	0 2 6	15	$\frac{2}{2}$ $\frac{15}{6}$ $\frac{0}{6}$	21	9 6 7 7 7 7 8 7	37	0
Baclutha	:	:	14	13		Π	77.7	4	31	16	74	
Blenheim	:	•	T 09	0 8 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	:	: 0	::	: "	.:	: œ	340	o (c
Bluff	: :	: :	617	, rc	999	9 0 28	553	73 5 6	480	25 1 0	2.316	
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own	:	:	192	က	109	<u>_</u>	0g°		45	18	376	4.0
Christohumah	:	:))		: 6		e e e	0 17 0 17 0 17 0 17 0 17 0 17 0 17 0 17	::	: 9	8000	<u> </u>
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	: :	:		- 6	377	-	503	100	664	116 14 0	1 807	2
: :			68	91	7.64	. 9	930	10 12 6	69	7 16 0	186	H
t	•		882	10	1,015	14	919	130 15 6	484	33 1 0	3,303	-
:		:		1 5 3	10	1 16 0	11	$2\ 13\ 6$	18	$1 \ 16 \ 0$	47	10
:	:	:	91	72	13	16	17	3 16 6	17	2 1 0	63	9
K3.	:	:	996	~	1,297	o	1,052	$159 \ 19 \ 0$	630	12	3,945	
:	:	:	: '	; ;		: -	{	0 2 0 7	228	23 9	55.5	- C
Kajanoj	:	:	25	35 L2 2	10.		800	14 22 3	ññ	14 13 0	265	o o
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:	: :	: :	1,044	121 11 8	1,109	149 14 6	1,326	182 1 0	773		4,252	501 17 8
:	:	:	:	:	. :	:	13	15	53	13 11 6	99	9
Masterton	:	:	16	ش (12	17	14	٠ د د	17	က္မ	65.50	-
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:	:	:	1,302	213 10 11	1,624	241 5 0	2,193	7.	742	0 0 99	198'c	
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:		:	:	:	:	:	7.6	H CC	530	9 4	996	
	:	:	562	: "	313	. ~	188	2	987		1 486	
Port Chalmers	: :	: :	1,855	298 15 11	2,223	316 6 6	2,442	351 12 0	727	39 17 6	7,247	Ϊ
Queenstown	:	:	. :	:	9	01	24	4	31	4 2 6	19	10 9 0
Roxburgh	:	:	:	:	:	:	6	- 81	ro	0 8 0	14	2 6 6

Table F.- (Continued).

GENERAL GOVERNMENT TELEGRAMS despatched during Year ended 30th June, 1870.

	Totals.	Amount.	£ s, d. 0.18 6 405 11 9 0.17 6 86 4 11 14 7 0 11 4 7 0 11 4 7 0 11 4 7 0 68 8 3 3 572 18 6 1,530 0 3 1,897 3 8 536 13 1	11,433 4 5	107 14 4 223 17 4 152 18 11 211 19 6 38 1 64 19 3 19 8	819 1 7	12,252 6 0
		No. of Telegrams.	2,507 229 102 45 45 468 9,043 6,014 3,413	59,925	364 709 393 950 124 262 151	2,953 59,925	62,878
	QUARTER.	Amouut.	£ 8. d. 0 3 0 3 0 8 6 0 0 6 0 0 6 0 0 6 0 0 6 0 0 0 0 0	1,630 11 6	5 11 6 13 10 0 2 17 0 21 1 0 0 13 6 6 3 0 2 16 6	52 12 6	1,683 4 0
1870.	JUNE	No. of Telegrams.	176 176 2 67 17 112 112 1,179 1,179 1,929 1,929	10,520	45 83 119 175 46 37	410	10,930
18′	I QUARTER.	Amount.	£ 8. d. 0 5 0 126 13 6 0 4 0 10 7 6 1 0 7 6 1 1 5 6 6 1 1 5 6 6 1 1 5 6 6 6 1 1 7 6 0 429 15 6 519 0 6 117 4 0	3,370 5 6	33 16 6 96 11 6 144 0 6 99 7 15 6 7 15 6 7 8 0	409 18 6	3,780 4 0
	Мавсн	No. of Telegrams.	819 819 1 59 7 7 6 11 1,233 2,714 1,629 900	18,213	112 279 279 343 373 23 75 44	1,249	19,462
	sr Quarter.	Amount.	# 8 8 9. d. 9 93 17 6 9 11 17 6 5 12 0 7 13 6 187 17 6 4 8 6 187 17 6 434 9 438 13 6 150 2 6	3,040 5 0	11 10 0 55 1 0 45 4 2 6 45 4 6 6 14 6 5 13 0	142 7 0 3,040 5 0	3,182 12 0
39.	D всемвев	No. of Telegrams.	1 670 2 62 28 28 19 10 10 10 1,284 1,120 	16,534	20 155 170 170 28 28 35	505	17,039
1869.	ER QUARTER.	Amount.	2 8 6 6 6 6 6 6 7 7 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	3,392 2 5	56 16 4 58 14 10 1 18 11 46 8 6 22 19 6 23 8 9 3 16 9	214 3 7 3,392 2 5	3,606 6 0
	September Qu	No. of Telegrams.	1 842 50 60 7 7 255 2,517 1,172 1,214	14,658	167 192 11 223 72 72 89 89	789	15,447
				:	1 1 1 1 1 1 1	! !	÷
				:	!!!!!!!	: :	:
	NAME OF STATION.		Selwyn Spit Temuka Tokomairiro Waipawa Waipawa Wanganui Wellington Government Buildings Westport White's Bay	Totals Bluff to Napier and Patea	Alexandra, Auckland Auckland Eambridge Hamilton Mercer Newcastle Onehunga	Totals Auckland Lines ,, Bluff to Napier and Paten	Grand Totals
			Selwyn Spit Temuka Temuka Tekomairiro Waikouait Waipawa Wappukurau Wanpukurau Wanganui Wellington Gorenment Bi Westport	Ţ	Alexandra, Auckland Cambridge Hamilton Mercer Newcastle	Ĭ	Ğ

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the Year ended 30th June, 1870, of the Cash Revenue derived from Private, Press, and Provincial Government Messages, and of the Value RETURN for

Table G.—Continued.

RETURN for the Year ended 30th June, 1870, of the Cash Revenue derived from Private, Press, and Provincial Government Messages, and of the Value of General Government Telegrams; the number of Messages transmitted by each Station, and the Working Expenses of each Station.

REMARKS,	Includes extra assistance during Native disturbences Do, do. and rent of office. Includes extra assistance during Native disturbances Do. Do. Do. Do. To. To. To. To. To. To. To. To. To. T
Total Cost of Maintenance of each Station.	26 8. d. 74 13 10 124 6 11 139 18 4 178 11 4 178 11 4 176 19 0 1278 8 9 197 13 6 653 18 11 14,745 12 8 1,671 14 8 1,671 7 4
Contingencies.	\$\begin{align*} \begin{align*} \begi
Amount paid for Salaries.	## 8. d. d. 109 3 4 109 3 4 109 3 4 109 3 4 100 3 4 100 3 4 100 3 4 100 0 1078 4 9 1078 4 9 1078 4 9 1078 4 9 112,599 8 3 112,599 8 3 113,462 11 1
Total Number of Messages of all Codes.	316 240 3658 659 3781 2450 828 564 850 5649 118,879 178,879 178,879 178,879 178,879 178,879 178,879 178,879 178,879
Total Number of General Government Messages.	14 2507 229 102 45 48 129 2668 9043 6014 3413 59,925 2,953 2,953 59,925
Total Number of Private, Press, and Provincial Government Messages.	302 235 1151 654 3552 2348 723 516 721 2825 10558 664 4687 26 118,954 1171 3,591 118,954 118,954
Total Value of Messages of all codes.	## 8. d. ## 9. d. ## 9. d. ## 10. d. ## 1
Value of General Government Messages.	2 8 6 6 40 118 6 405 11 9 0 17 6 8 6 4 11 11 11 11 11 11 11 11 11 11 11 11 1
Total Cash from Private, Press, and Provincial Government Messages.	## Second
NAME OF STATION.	Roxburgh Selwyn Selwyn Spit Temuka Timaru Tokomairiro Waipukuau Waipukuau Wanganui Welington Government Buildings Westport White's Bay Totals Bluff to Napier and Patea Marcer Newcastle Cambridge Hamilton Mercer Newcastle Onehunga Totals Bluff to Napier Marchington Mercer Newcastle Onehunga Totals Bluff to Napier Mercer Newcastle Onehunga Totals Bluff to Napier Marchilton Mercer Newcastle Onehunga Totals Bluff to Napier

Table H

CASH VALUE of SHIPPING TELEGRAMS and the Amounts chargeable to each Department of the General Government for Telegrams transmitted during the Year ended 30th June, 1870.

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		Colc	Cro	Cus	Def	\mathbf{J} ud	Marine	Native	Postal	\mathbf{R}^{eg}	Tele	${ m Tre}_{ m g}$	Shir	

Table I. DEBTOR AND CREDITOR STATEMENT of LINES from BLUFF to NAPIER and PATEA.

Dr. To total cost of maintenance	£	s.	d.	£	s.	d.	Cr. By Cash Receipts as under :	£	8.	d.	£	s.	d.
of stations , Total cost of maintenance	14,745	12	8				Ordinary, Press, and Provincial Govern-						
of lines	12;392	13	5	27,138	6	1	ment Telegrams Subscriptions from the	16,162	15	7			
				,		_	Press and other re- ceipts	637	2	6			
										-	16,799	18	1
Balance (credit of lines from Bluff to Napier and Patea)	l			27,138 1,094			Total cash revenue Value of Gen. Gvt. telegrams	•••			16,799 11,43 3		1 5
			,	£28,233	2	6					£28,233	2	6

Table J. DEBTOR AND CREDITOR STATEMENT for AUCKLAND LINES.

Dr. To total cost of maintnance Stations , Total cost of maintenance of Lines	£ 1,671 1,727	3. £ 8 5 - 3,399 £3,399	6		CR. By cash receipts for Ordinary, Press, and Provincial Government telegrams By value of General Government telegrams	£	s. d. 	£ 418 819 1,237 2,162 £3,399	3 1 4 1	7 10 3
		 G	ENI	ERA	L BALANCE.					_
To Balance to debit of Auckland lines		2,162	1	3	By balance to credit of lines from Bluff to Napier and Patea		***	1,094	16	5
į					By balance to debit of Department		•••	1,067	4	10
		£2,162	1	3				£2,162	1	3

Table K.

Number of Interprovincial Letters forwarded during the year ended 31st December, 1869; number of Telegrams despatched in each Province during the year ended 30th June, 1870; proportion of Telegrams to every 100 Letters; together with a similar return for the previous year.

		İ	•	1869-70.		1868-9.					
Provi	INCE.		Number of Letters.	Number of Telegrams.	Proportion of Telegrams sent for every 100 Letters.	Number of Letters.	Number of Telegrams.	Proportion of Telegrams sent for every 100 Letters.			
Wellington Marlborough Nelson			302,209 53,562 176,903 397,352	34,494 7,945 25,361 27,255	11.41 14.83 14.33 6.85	328,180 45,523 203,537 539,610	24,412 6,819 22,592 25,911	7.43 14.97 11.09 4.8			
Canterbury Westland Otago	•••		242,400 538,329	21,318 44,927	8.79 8.34	251,108 595,062	17,649 39,123	7 02 6.57			
Southland Hawke's Bay	•••		$\begin{array}{c} 75,445 \\ 65,967 \\ 26,578 \end{array}$	6,512 10,451 616	8.63 15.84 2.31	84,235 62,539	6.498 8,661	7.71 13.84			
Taranaki Auckland			495,315	6,544	1.32	439,694	4,502	1.02			
	. 1 1				1869-70.	1868-69.	186	7-68.			

Total number of Letters ... Telegrams... ... 2,374,060 ... *** 185,423 7.81 156,167 106,104 Proportion of Telegrams to every 100 Letters ... 6.12 5.47

REPORT ON THE TELEGRAPH DEPARTMENT.

Table L.

COST of MAINTENANCE of TELEGRAPH LINES for the Financial Year ending 30th June, 1870.

SECTION.	No. of Miles.	Salaries of Linemen.	Travelling Expenses.	Extra Labour.	Cost of Material used for repairs.	Total Cost of Maintenance.	Cost Per Mile.
Bluff to Balclutha Tokomairiro to Queenstown Balclutha to Waitaki Waitaki to Christchurch Christchurch to Greymouth Greymouth to Westport Christchurch to Blenheim Blenheim to Nelson, including	114 140 152 148 176 67 208	213 6 257 1 3 308 6 3 397 10	£ s. d. 5 260 15 3 269 6 10 8 369 14 6 8 256 9 3 5 502 4 0 0 242 16 4 8 278 5 5	482 16 4 872 12 4 360 13 3 481 14 0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	866 1 2 1,762 2 6 2,546 17 7 1,306 18 3 1,692 13 6 418 19 10 1,489 1 1	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
White's Bay line Wellington to Napier Wellington to Patea	92 221 180 1,498	333 13 560 0 108 14 2,925 0	288 3 0 206 14 2	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		1,073 5 11 392 7 11	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Auckland lines Totals	$\frac{1,456}{164} = \frac{1,662}{1,662}$	729 11 8		157 19 0	206 13 6	1,727 11 5	10 10 8 i

^{*} Cost per mile Bluff to Napier and Patea.

Table M.

Insulation Tests of the Cook Strait Cable for the Years ending 30th June, 1868, 1869, and 1870, respectively, showing the resistance per knot, after two minutes' electrification, in millions of Ohmads (British Association units of resistance).

Date.	No. 1 Wire.	No. 2 Wire.	No. 3 Wire.	Date.	No. 1 Wire.	No. 2 Wire.	No. 3 Wire.	DATE.	No. 1 Wire.	No. 2 Wire.	No. 3 Wire.
1867— September 1 , 30 October 14 November 1 , 14 December 2	634 547 598 574	71 102 179 32.6 10.6 10.5	554 634 620 667 643 709	1868— September 11 ,, 17		22.5 63.5	946 1,000	1869— July 27 August 24 September 27 †October November 8 December 3	649 667 745 582 638	9. 7. 13. 5.	1,104 1,200 1,274 1,253
1868— *June 7	930	5.5	1,094	1869— March 27 April 19 May 11 "17 June 22	483 562 531	26 30 31 14 15	729 748 950 963 931	January 22 February 22 March 18 20 April 26 May 31 June 26	526 417 442 344 430 456	2. 3. 3.4 2.06 8.6 .446 2.3	865 707 967 619 (812 871 622

^{*} This test was taken with zinc to earth, and the others with copper to earth. † No test taken.

a Includes cost of lowering old poles between Invercargill and Balclutha. b Includes cost of reconstruction from Tokomairiro to Alexandra. c Includes cost of reconstruction from Balclutha to Waikouaiti, and insertion of new poles and running third wire from Dunedin to Tokomairiro to join goldfields line. d Includes cost of reconstruction from Timaru to Christchurch. e Includes cost of reconstruction of thirty miles of line from Hokitika to Bealey. f Includes cost of reconstruction from Christchurch to Woodend. g Includes cost of reconstruction of three miles of line south of Nelson; insertion of new totara poles from the junction of Bienheim and White's Bay line to Picton, and insertion of fifty totara polos, and running of third wire from junction to White's Bay. h Includes cost of clearing bush at the Taueru; running the second wire from Tenuijunction to Castle Point, and sundry deviations of the line between Featherston and Hutt. i Includes cost of repairs of line between Cambridge and Alexandra; dismantling of old line between Alexandra and Newcastle; also of branch line to Kihi Kihi, and extra cost of maintenance of old line between Newcastle aud Auckland prior to reconstruction. k Total average cost per mile.