

1913.  
NEW ZEALAND.

# PUBLIC WORKS STATEMENT.

BY THE HON. WILLIAM FRASER, MINISTER OF PUBLIC WORKS.

NOVEMBER, 1913.

MR. SPEAKER,—

Owing to the financial position obtaining at the close of last session, and in view of the heavy commitments already entered into, I did not feel justified in making available for immediate expenditure the whole of the new items appearing on the public-works estimates. All authorities issued and offers made in pursuance of previous years' appropriations were, however, duly honoured. New votes urgently requiring attention were also authorized on application. As soon as the success of the flotation of the new loan was assured all restrictions regarding expenditure of new votes were removed. Notwithstanding these precautionary measures the total expenditure of the past year on public works was not only in excess of that of the previous year, but was actually the largest in any single year for over thirty years, and amounted to the very large sum of £2,711,068—viz., £2,593,365 out of the Public Works Fund and allied special accounts, and £117,703 out of the Consolidated Fund.

The following table shows the brief particulars of the expenditure of the year, and also the total under each class of work from the inauguration of the public-works policy up to the 31st March last:—

TOTAL EXPENDITURE.

Class of Work.	Expenditure.	
	Expenditure for Year ended 31st March, 1913.	Total Expenditure to 31st March, 1913.
	£	£
Railways—		
New construction ... ..	684,196	21,945,802
Additions to open lines ... ..	464,636	8,853,417
Roads ... ..	374,346	9,723,865
Public buildings ... ..	445,192	5,487,225
Immigration ... ..	14,694	2,254,606
Purchase of Native lands ... ..	...	2,065,720
Lighthouses, harbour-works, and harbour-defences ... ..	16,785	1,098,207
Tourist and health resorts... ..	12,906	229,539
Telegraph-extension ... ..	251,375	2,277,125
Development of goldfields ... ..	10,644	877,802
Defence-works (general) ... ..	23,790	944,209
Departmental ... ..	57,425	784,095
Development of water-power ... ..	...	18,451
Irrigation and water-supply ... ..	...	4,356
Payment to Midland Railway bondholders ... ..	...	150,000
Lands-improvement ... ..	22,550	104,713
Minor works and services ... ..	...	312,607
Cost and discount, raising loans, &c. ... ..	72,950	1,243,692
	2,451,489	58,375,431
Wellington-Hutt Railway Improvement ... ..	991	228,381
New Hutt Road ... ..	1,738	98,822
Railways Improvement Account ... ..	29,254	596,768
Opening up Crown Lands for Settlement Account ... ..	47,951	632,153
National Endowment Account ... ..	2,689	19,838
Waihou and Ohinemuri Rivers Account ... ..	9,555	13,324
Aid to Water-power Works Account ... ..	35,009	35,009
Irrigation and Water-supply Account ... ..	14,689	14,689
<b>Totals</b> ... ..	<b>2,593,365</b>	<b>60,014,415</b>

## WAYS AND MEANS.

At the 31st March, 1912, the available ways and means for public-works purposes were .. .. .	£	82,580
and further funds were received as under :—		
Under the Aid to Public Works and Land Settlement Act, 1911 .. .. .		950,000
Under the Aid to Public Works and Land Settlement Act, 1912 .. .. .		855,226
Under the New Zealand Loans Act, 1908 .. .. .		71,679
Transfer from Consolidated Fund .. .. .		750,000
Miscellaneous receipts .. .. .		119,969
		<hr/>
Making a gross total of .. .. .	£2,829,454	

The ordinary expenditure of the year amounted to £2,378,539, charges and expenses in respect of raising loans £72,950, and redemption of debentures £1,000, thus bringing the total disbursements up to £2,452,489, and leaving a credit balance at the end of the year of £376,965 (exclusive of £249,776 proceeds of 4-per-cent. stock loan to pay off debentures due 15th April, 1913).

For the current year it is proposed to provide additional funds as under :—

	£	
Balance of loan of 1911 .. .. .	100,000	
Balance of loan of 1912 .. .. .	894,774	
Transfer from Consolidated Fund .. .. .	675,000	
Proposed new loan .. .. .	1,750,000	

The above, with the balance brought forward, gives a gross total of £3,796,739. The estimated expenditure for public works for the current year (excluding separate accounts having their own ways and means) amounts to £2,995,575, leaving an estimated balance of £801,164 to be carried forward to next year.

In addition to the above we have authority to raise, outside the Public Works Fund, the undermentioned sums :—

	£	
Under the Aid to Water-power Works Act, 1910 .. .. .	450,000	
For irrigation-works, under the Irrigation and Water-supply Act, 1913 .. .. .	100,000	
Under the Waihou and Ohinemuri Rivers Improvement Act, 1910 (balance) .. .. .	50,000	

## RAILWAY-CONSTRUCTION.

The following sections of railway were completed and opened for traffic during the last financial year, or since its close :—

	M.	ch.	
Waikohu to Otoko .. .. .	7	75	.. April, 1912.
Westport to Te Kuha .. .. .	5	74	.. April, 1912.
Te Wera to Pohokura .. .. .	8	55	.. August, 1912.
Kiwi to Glenhope .. .. .	12	59	.. September, 1912.
Mina to Parnassus .. .. .	8	43	.. September, 1912.
Te Hana to Kaiwaka .. .. .	8	65	.. March, 1913.
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Total .. .. .	52	51	

The following lengths are practically completed, but have not yet been handed over to the Railway authorities for traffic :—

	M.	ch.
Maunganui to Te Puke .. .. .	13	0
Pohokura to Whangamomona .. .. .	6	13
Otoko to Rakauoa .. .. .	6	50
Coal Creek Extension .. .. .	3	58

In addition to the above the following sections are approaching completion, and are expected to be ready to open for traffic during the current financial year:—

	M.	ch.
Kaihu Extension .. .. .	2	44
Otiria to Kaikohe .. .. .	16	25
Kaiwaka to Otamatea .. .. .	2	45
Mount Egmont Branch .. .. .	2	56
Cronadun to Inangahua Junction .. .. .	12	70
Cass to Bealey .. .. .	14	6
Big Hill to Athenæum Flat .. .. .	3	0
Houipapa to Papatowai .. .. .	12	72

The total expenditure on railway-construction and improvement-work during last financial year amounted to £1,179,077, as under:—

	£
Construction of new lines .. .. .	684,196
Additions to open lines .. .. .	464,636
Wellington - Hutt Railway duplication .. .. .	991
Railways Improvement Account .. .. .	29,254

#### KAIHU EXTENSION.

There was considerable delay in obtaining hardwood timber for four small bridges on this line. They are now, however, approaching completion, and only a portion of the ballasting and a few details will then remain to be done before the extension to Waima Station can be opened for traffic. Waima does not in many respects fulfil the requirements of a terminal station, and the Government is satisfied that the country would be better served and a large area of Crown land and timber country opened up by an extension of the line up the Waima Valley to Donnelly's Crossing, a distance of four miles and a half, and such an extension is included in the Railways Authorization Bill recently submitted to Parliament.

The expenditure on this line during the last financial year amounted to £8,800, and for the current year a vote of £10,000 is proposed.

#### KAWAKAWA-HOKIANGA.

The line has been completed and ballasted up to Rakatau Station, ten miles from the junction at Otiria, and works are well advanced as far as Otuhi Station, from which point to Kaikohe the route is common to this and the North Auckland Trunk line. Rails are laid up to Kaikohe, buildings are being erected, and all the ballasting is done, except in the station-yards. It is expected that the section to Kaikohe will be ready for opening about the end of January next.

The expenditure during the last financial year was £30,978, and for the current year a vote of £40,000 is proposed.

#### NORTH AUCKLAND MAIN TRUNK.

Slips in the clay cuttings delayed the opening of the nine-mile length from Te Hana to Kaiwaka until the 18th March last, but trains have run over the new section regularly since then. The formation, platelaying, and ballasting over the next two miles and a half to Otamatea are completed, and a contract for the erection of the station buildings has been let, but the steel and timber bridge over the Otamatea tideway, for which a contract was let in February, 1911, is not yet finished, and for this reason platelaying cannot proceed. Beyond Otamatea one tunnel  $8\frac{1}{2}$  chains in length is finished, and a much longer one near Maungaturoto is well in hand, although its excavation involves heavy work and great care is necessary to ensure perfect stability. The completion of this tunnel and the Otamatea Bridge will permit platelaying to proceed over the next section of the line to Maungaturoto Station. Careful surveys are being made to locate the best route north of Maungaturoto, two parties being in the field at different points along the line. A railway-wharf at Otamatea has been erected under contract at a cost of about £6,500, and will be available as soon as the line to this point is opened. The approach to the wharf has been constructed, and the rails laid upon it.

The expenditure during the past financial year amounted to £73,936, and for the current year a vote of £60,000 is proposed.

## WHANGAREI — NORTH AUCKLAND MAIN TRUNK.

The North Auckland Trunk Railway has now reached a point which renders it necessary to decide by what route a connection can best be made between the main line and the isolated system which has its southern terminus at Grahamtown Wharf, close to Whangarei. Careful surveys of different suggested routes have been made, and after comparison of the results it has been decided to locate the line on a route starting near Whangarei, passing through Mangapai, after skirting the harbour, going close to Maungakarama, and continuing by way of the Tauraroa Valley to a suitable junction-point with the North Auckland Trunk line. The route adopted is not quite the shortest available, but the cost of constructing the line on this location will not exceed that of the more direct lines which were examined, and the chosen route has the advantages of serving Mangapai, and permitting of a branch line being taken to Waipu later on at moderate cost. A vote of £15,000 to permit of the construction of this railway being commenced is proposed.

## HUNTLY—AWAROA.

Construction-work over the first three miles has proceeded at a moderate rate during the year, and trial surveys of two alternative routes to carry the line about two miles and a half further have been completed. The combined road and railway bridge over the Waikato River has also just been completed.

The expenditure during last financial year amounted to £11,732, and for the current year a vote of £25,000 is proposed.

## WAIUKU BRANCH RAILWAY.

Last year a branch railway to connect Waiuku with the Main Trunk line was authorized. Trial surveys to locate the most favourable route have been put in hand during the year and are still in progress.

The small expenditure during the past year was charged to the vote for surveys of new lines, but for the current year a special vote of £10,000 is proposed to permit of construction-work being begun.

## EAST COAST MAIN TRUNK.

The permanent survey of the section between Waihi and Athenree, on which construction-works were suspended in November, 1912, has since been completed, and a vote is provided on the current year's estimates to permit of the resumption of construction-work thereon.

Formation has been completed and rails laid between Maunganui and Te Puke, a distance of thirteen miles. To facilitate ballasting operations over the next section it has been decided to retain the line in the hands of the Public Works Department for the present, but a train service carrying goods and passengers has been inaugurated for the benefit of the settlers until such time as the working can conveniently be handed over to the Railway authorities. Fair progress has been made over the next five miles and three-quarters between Te Puke and Paengaroa. Formation is approaching completion, one permanent bridge has been erected, and a start made with the platelaying.

Last year surveys were carried out to determine whether a route from Pongakawa via Lake Rotoma to Te Teko would be more favourable for the continuation of this line, but a comparison of this route with that nearer the sea-coast shows that the advantage is altogether with the coast route, which has therefore been adopted. In pursuance of this determination authority is asked in the Railways Authorization Bill for putting in hand another section of this railway between Pongakawa and Taneatua, a length of about thirty-five miles.

Hitherto the only source of supply for ballast material for the Bay of Plenty section of the East Coast line has been the quarry at Moturiki Island, close to Tauranga Harbour. As the rails have now been laid for fifteen miles from this point, it is no longer economical to carry ballast from there, and a new quarry of suitable rock has been opened up near Te Puke from which supplies will be drawn to ballast the next section of the line, and also for the formation and maintenance of roads by the local bodies of the district. A branch line two miles

and three-quarters in length is required to carry the material to the main line, and this branch is also included in the schedule to the Railways Authorization Bill. The construction of the branch has already been put in hand.

The sum of £2,000 appears on the estimates under the heading of Te Maunga Northwards. This is for the purpose of commencing the approaches to the bridge across the Tauranga Harbour.

From the Gisborne end construction-work has been pushed on vigorously during the year, and the advance parties are now at work within three miles of Motu Township, or forty-eight miles from Gisborne. The terminus of the opened line is still at Otoko, but the rails are laid and the line partly ballasted up to Matawai Station, thirteen miles ahead, to which point a temporary goods and passenger service is being run daily. The works on this section have been of an arduous and varied character, comprising heavy cuttings, banks (up to 81 ft. high), one tunnel, and five steel and concrete viaducts of an aggregate length of 947 ft., and ranging in height from 42 ft. to 73 ft. above the streams which they cross. Material for ballast has to be hauled from Puhā, on the opened line, a distance of twenty-two miles, most of which is on steep grades.

Between Gisborne and Napier earthworks are practically completed for 10½ miles between the junction of Makaraka and Ngatapa. Several bridges have, however, still to be built on this length. Seven small contracts have been let for earthworks on the next section, at reasonable prices, and the contractors have commenced work. A strong party is engaged surveying the permanent location of the line ahead, and has already covered a length of twenty-four miles from Ngatapa. At the Napier end construction was suspended in October, 1912. Negotiations have been proceeding for some time between the Public Works Department on the one hand and the Napier Harbour Board and the Hawke's Bay County Council on the other in regard to the construction of a combined railway and road embankment and bridge across the Inner Harbour. There is no reason now why a satisfactory settlement of all difficulties should not be arrived at, and the sum of £10,000 has accordingly been placed on the estimates towards giving effect thereto. This embankment will connect the existing railway-line at Port Ahuriri with the earthworks already constructed on the northern side of the harbour.

The expenditure during last financial year on the different sections of the East Coast Railway was as follows:—

	£
Waihi to Tauranga .. .. .	5,363
Tauranga to Taneatua .. .. .	28,462
Gisborne to Motu .. .. .	57,548
Gisborne to Napier, north end .. .. .	15,677
Gisborne to Napier, south end .. .. .	11,438

For the current year votes are proposed as under:—

Waihi to Tauranga .. .. .	10,000
Te Maunga Northwards .. .. .	2,000
Tauranga to Taneatua .. .. .	50,000
Gisborne to Motu .. .. .	60,000
Gisborne to Napier, north end .. .. .	35,000
Gisborne to Napier, south end .. .. .	10,000

#### STRATFORD—MAIN TRUNK.

The section to Pohokura, 31½ miles from Stratford, was opened for traffic in August, 1912. Since then the 31-chain tunnel beyond Pohokura has been finished, heavy construction-works, with seven small bridges between the tunnel and Whangamomona, completed, rails laid into the station-yard, and ballasting almost finished. The section to Whangamomona will shortly be opened for traffic, and the train service will save settlers the difficult road journey over the Whangamomona Saddle. Beyond Whangamomona earthworks are nearing completion for over five miles, but the tendency of the country to slip in the cuttings has necessitated two small deviations. A 23-chain tunnel beyond Tahora has been pierced, and enlargement is now in progress. Four small bridges on this section are also in

course of construction, the whole of the works covering a length of over seven miles beyond Whangamomona. The broken nature of the country to be traversed between Tahora and the Ohura Valley involves examination of several possible routes, and careful trial surveys of different suggested lines have been made during the past two or three years. The most favourable route appears to be via the Raekohua Stream, across the Tangarakau River, then through the Maraekowhai Block to the Haeo Valley, and the line will probably be located along this route.

At the eastern end, where construction-works were commenced in November, 1911, considerable progress has been made. As the country traversed for the first few miles from the Main Trunk line was not roaded, a service road nearly eight miles in length had first to be made across a broken range of hills. This has now been completed and metalled. The railway-formation is in progress for one mile and a half, and a contract has been let for the construction of the Okahu Tunnel, 74 chains in length, at a cost of £97,000, which also covers the formation of about a mile and a half of line in addition to the tunnel. Four small contracts have been let for formation-works which will carry the line into the Ohura Valley, six miles from the junction, and it is proposed to let further contracts of similar nature and extent as the work progresses.

The expenditure on this line during the past financial year amounted to £72,843 at the western end, and £22,448 at the eastern end. For the current year a total vote of £85,000 is proposed.

#### MOUNT EGMONT BRANCH.

Trial surveys have been made to locate the most favourable line to the proposed quarry, and tests made to determine the extent of the rock at the suggested site. Three small bridges have been built, and some bush-clearing done adjacent to the line.

Expenditure during last financial year amounted to £4,657, and for the current year a vote of £15,000 is proposed.

#### OPUNAKE BRANCH.

Since April last surveys to determine the most favourable route for the recently authorized branch line to Opunake have been in progress, and the line has been located for a distance of about ten miles.

The expenditure on this survey was debited to the vote for surveys of new lines, but for the current year a special vote of £15,000 is proposed, to permit of construction-work being commenced.

#### OHAKUNE-RAETIHI BRANCH.

This line had to be relocated for the first two miles in consequence of an alteration in the junction-point. On the completion of the resurvey a small amount of formation-work was done over the first mile. Twelve small contracts are now being let, which will carry the line about half-way to Raetihi, and if the results are satisfactory further contracts of the same nature will be arranged.

The expenditure during last financial year was only £2,022, but for the current year a vote of £20,000 is proposed.

#### MANAWAPOU DEVIATION.

The earthworks for the Manawapou deviation improvements on the Wanganui-New Plymouth line are finished as far as practicable, pending completion of the viaduct. The construction of the latter is in hand. The expenditure out of last year's vote was £4,007, and for the current year £1,000 is asked for.

#### FEATHERSTON-MARTINBOROUGH.

This line was included in last year's Railways Authorization Act, to serve the large area of settled land of which Martinborough is the centre, and it has been decided to commence its construction this year. A vote of £5,000 is accordingly provided.

Trial surveys of alternative routes have been made, and the location survey of the adopted line is nearing completion. This railway will be of comparatively light formation, with easy curves and gradients, the bridges over the Tauherenikau and Ruamahunga Rivers being the chief items in construction.

## SOUTH ISLAND MAIN TRUNK.

At the northern end the line is open to Ward. From there to Mills, eight miles farther south, the formation is now constructed and ready for platelaying, with the exception of some light earthwork near Mills Station. This section includes some heavy cuttings and fillings, a tunnel  $8\frac{1}{4}$  chains long and a combined railway and road bridge over the Ure River which is now nearly completed. To the south of the Ure Bridge, where the formation is through sandhills, marram-grass has proved entirely successful for heavy sandy batters, banks, and sand-drifts, but experiments with other binding-plants resulted in comparative failure. No rails have yet been laid beyond Ward, but large supplies of rails, sleepers and other permanent-way material are being forwarded to the rail-head, almost the whole quantity required for the eight miles to Mills having already been received there and stacked ready for use.

The section from Mina to Parnassus, eight miles and a half in length, at the southern end of the line, was completed and opened for traffic by the Railway Department in September, 1912. Formation-work, which had extended over the next four miles, has been suspended, and is not likely to be resumed during the current year.

The expenditure during last financial year amounted to £21,877 at the north end and £23,964 at the south end. For the current year a total vote of £20,000 will be required.

## MIDLAND.

At the Nelson end, since the opening of the section to Glenhope on the 2nd September, 1912, construction-work was carried on with a reduced number of men over about two miles of the route towards Murchison until April last, when the work was suspended. It is not proposed to resume the construction of this section of the line during the current year, but the road between Glenhope and Murchison will be made more suitable for motor traffic.

On the Reefton-Inangahua Section the formation-work to the proposed station near the Inangahua Junction has been completed, rails laid, and the ballasting is well under way. This station will be the terminus of the line for the present, as it is not proposed to undertake any work beyond the Inangahua River this year.

On the Canterbury side of the dividing range formation has been practically completed between the Cass and Bealey Flat, and a train service to the temporary station at Halpin Creek has been inaugurated. Floods in the Waimakariri caused considerable damage to the formation during the year, which has been repaired, and measures taken for the future protection of the railway.

Messrs. John McLean and Sons, contractors for the construction of the Arthur's Pass Tunnel, were relieved of their contract and the work taken over by the Government on the 28th December, 1912, in pursuance of a recommendation of a parliamentary Select Committee, since which it has been carried on, principally by day labour, from the Otira end, under the direct supervision of Public Works Engineers. At the Bealey end excavation by co-operative contract was tried, but was not successful, and the experiment was not persevered with. From the Otira portal the bottom heading is now in 2 miles 12 chains, and the tunnel fully excavated and lined for 20 chains less. At the Bealey end the figures are: Bottom heading, 45 chains; excavation to full size and lining, 33 chains. Thus there remains 2 miles 48 chains between the headings, and 3 miles between the points to which the enlargement and lining have been carried on either side. A larger number of capable men could be employed to advantage on this work, but the best men are not obtainable in large numbers.

The expenditure on the different sections of the Midland Railway during last financial year was as follows:—

					£
Nelson end	....	....	....	....	23,366
Reefton end	....	....	....	....	10,073
Otira-Bealey	....	....	....	....	61,809
Bealey-Cass	....	....	....	....	36,786

For the current year appropriations are proposed as follows:—

	£
Nelson end	5,000
Reefton end	10,000
Otira—Bealey	70,000
Bealey—Cass	50,000

#### WESTPORT—INANGAHUA.

The formation-work, principally rock-cutting, which was in progress under contracts at the commencement of the year, has continued steadily and is still in hand. In all, eighteen contracts have been let, practically to small parties who carry out the work themselves. Six contracts have been satisfactorily completed, most of the others are making good progress, while one which was abandoned has been relet to a fresh party. The work in hand will carry the line to a point ten miles from Westport, and bushfelling and clearing is in progress over a further length of two miles. Beyond this point it is not proposed to undertake construction-work for the present.

During last financial year the expenditure on this line amounted to £18,711, and to meet liabilities during the current year a vote of £20,000 is proposed.

#### GREYMOUTH—POINT ELIZABETH.

The extension of this railway to serve the new State coal-mine has been completed, and the line, which has a third rail in the centre on the incline from Dunollie to the new terminus, is now in operation. The country being very steep and rough, there has been much trouble from slips, but protective works have been put in where necessary, and the extension is now ready to hand over to the Railway Department for regular traffic.

The expenditure during last financial year on this line was £9,980, and for the current year a vote of £20,000 is asked for.

#### CULVERDEN—WAIAMAU.

An extension of the existing railway from Culverden to the south bank of the Waiamau River opposite the township of the same name was authorized last session. The line will be fourteen miles long, inexpensive to construct, will traverse a closely settled area, and serve a large productive district beyond, the output of which has hitherto been restricted on account of its distance from the railway.

A vote of £5,000 for making a commencement with this extension is provided on the current year's estimates.

#### WAIMATE BRANCH EXTENSION.

There was no expenditure out of last year's vote of £5,000 for the extension of the railway from Waihao Downs to Waihaorunga, as it was not found practicable during the year to detach a suitable engineer to carry out the necessary survey of the route. The vote of £5,000 is, however, repeated on the current year's estimates.

#### OTAGO CENTRAL.

Recent examination by engineers of the route between Clyde and Cromwell proves that, provided the rate of speed is restricted, a line of the standard gauge with sharper curves, occasional slightly increased grades, and generally lighter formation can be taken for most of the way alongside the present road and constructed at far less cost than the original estimates indicated. Such a line would admirably serve the purposes of the settlers in the Upper Clutha Valley and enable large quantities of grain of the highest quality, and also fat stock and fruit, to be conveyed to the coast. At present this is impossible, as it costs 1s. per bushel to cart grain from Hawea to Clyde, and fat lambs would become stores by the time they reached the present terminus.

A vote of £7,000 is included in the estimates to permit of construction-work being commenced as soon as the necessary re-survey is completed.



## LAWRENCE—ROXBURGH.

The Big Hill Tunnel was completed in December last, and formation-works for a length of two miles and three-quarters beyond the tunnel are practically finished. It is proposed to put platelaying in hand with a view to opening a section of three miles to Athenæum Flat for traffic as early as possible. Very little more in the way of construction-work will be required to permit of rails being laid to Beaumont Station, two miles and a half farther on, so that the completion of the line to that point may be looked for at a fairly early date.

The expenditure on this line during the last financial year amounted to £17,392, and for the current year a vote of £10,000 is proposed.

## CATLINS—WAIMAHAKA.

The terminus of the opened line is still at Houipapa, but rails are laid and the line ballasted up to Caberfeidh Station, 11½ miles farther on, to which point a temporary goods and passenger service is in operation for the convenience of settlers. The roads in this district are not good, and a service tramway is laid ahead of construction-works to facilitate the transport of plant and supplies for the men. A bridge to carry the railway over the Maclellan River is being erected under contract, and on its completion will depend the opening of the line to Papatowai Station. Bushfelling and a little formation extending four miles beyond Papatowai are in hand.

The expenditure on this line during last financial year amounted to £29,291, and for the current year a vote of £30,000 is proposed.

## WINTON—HEDDON BUSH.

There was no expenditure out of last year's vote for the proposed branch line from Winton to serve the productive agricultural district of which Heddon Bush is a convenient working-centre. There were local differences of opinion as to whether the district could not be more effectively served by a branch from the Riverton line, but the difference has now been settled in favour of the Winton connection, thirteen miles in length, and the vote of £8,000 to commence the construction of this line is renewed on the current year's estimates.

## OREPUKI—WAIKOURO EXTENSION.

The question whether the district surrounding Orawia shall be connected by rail with Orepuki or with Waikouro has not yet been decided. Further careful consideration is necessary, and the Engineer-in-Chief will visit the district during the recess and report to me thereon.

## TOTAL APPROPRIATIONS FOR RAILWAY-CONSTRUCTION.

In addition to the votes already mentioned, an appropriation of £1,000 is required to provide for liabilities on account of the Kawakawa—Grahamtown Railway that did not come to charge against last year's vote; £1,000 will also be needed for old land claims, damages, and other similar charges; £5,000 for surveys of new lines; and £90,000 for permanent-way materials; thus bringing the total appropriations for railway-construction purposes up to £825,000.

## OTHER RAILWAY-WORKS.

During the year under review the sum of £300,059 was spent by the Railway Department on rolling-stock, tarpaulins, pneumatic coaling-cranes, Westinghouse brake, steam heating-gear, workshops machinery, and steamer for Lake Wakatipu.

The sum of £164,577 was spent on extension of station-yards, purchase of land, additions to workshops, cranes, bridge-work and subways, fire-prevention services, wharves, gasworks, and extension of signal and interlocking system, tablet installation, telegraph and telephone facilities, duplication of line, reduction in grades, and improvement of curves.

A further extension of the duplication of the Dunedin—Mosgiel line was opened during the year, and the work of boring the Chain Hills Tunnel and completing the line from there to Mosgiel is in hand. Bad ground was met with during the year, and this materially interfered with boring operations. As

more favourable indications are now in evidence it is hoped that better progress will in future be made towards the completion of the tunnel, of which about 15 chains still remain to be bored.

The expenditure last year on railway-duplication and contingent works was £30,245, principally on the Dunedin-Mosgiel line.

On the Main Trunk line between Wellington and Auckland considerable work has been done in the direction of improving the grades in the vicinity of Buckland, Tuakau, and Pukekohe. The cost of grade-improvements on the North Island Main Trunk line was £33,031.

The work of reclaiming land at Mechanic's Bay, Auckland, for use as a site for the new station-yard is in hand, and the sum of £11,337 has already been paid to the Auckland Harbour Board in respect thereof.

The amount proposed to be voted for the current year on account of "Additions to open lines" is £500,000, of which sum £300,000 is for new rolling-stock and workshops machinery, and £200,000 for various new works.

A vote of £40,000 is asked for on account of the Dunedin-Mosgiel deviation.

#### ROADS AND BRIDGES.

The provision made on last year's appropriations for road and bridge works under all votes and accounts (including the Consolidated Fund vote for maintenance) amounted to £746,950.

The total amount authorized for expenditure during the financial year, including the unexpended balance of authorities brought forward at the 31st March, 1912, amounted to £845,248. The total expenditure for the year amounted, however, to only £468,972, leaving an unexpended balance of authorities amounting to £376,276 at 31st March last. Between the 1st April and 30th September a further £337,378 was authorized, and expenditure to the extent of £231,605 was brought to charge. The large amount of money which has been standing as authorized for expenditure, compared with the actual disbursements, indicates that the temporary restriction placed upon the authorization of new votes after the close of last session had but little effect on the expenditure. In my last Statement I expressed the opinion that it was almost impossible, under the existing conditions, to expend within any year the amount of money voted for that year for road and bridge works. The experience gained during the past twelve months has confirmed me in this opinion.

Last year I referred to the disinclination of local bodies to make satisfactory provision for the maintenance of main roads. In localities where the main road passes through unoccupied Crown lands, sparsely settled districts, or Native lands, whence little or no revenue in the way of rates can be collected, such a feeling is to a great extent justified. All main roads, however, do not come under the above category, nor will it be an easy matter to define what constitutes a main road. I hope, however, during the recess to find a satisfactory solution of this problem, as also to the equally abstruse one of improving the present method of distributing grants for roads and bridges.

#### ROADS ON GOLDFIELDS (MINES DEPARTMENT).

The total authorizations under this head last year amounted to £74,416, on account of which a vote of £50,600 was taken. The expenditure during the year was £36,761.

The sum proposed to be authorized for the current year is £65,743, on account of which a vote of £50,000 is asked for.

#### TOTAL APPROPRIATIONS FOR ROADWORKS.

Last year's appropriations were as under :—						£
Roads, &c.	..	..	..	..	..	328,275
Backblock roads	..	..	..	..	..	201,575
Roads on goldfields	..	..	..	..	..	50,600
Opening up Crown Lands for Settlement Account	..	..	..	..	..	100,000
National Endowment Account	..	..	..	..	..	19,200
New Hutt Road	..	..	..	..	..	5,300
Maintenance of roads (Consolidated Fund)	..	..	..	..	..	42,000
<b>Total</b>	..	..	..	..	..	<b>£746,950</b>

TOTAL APPROPRIATIONS FOR ROADWORKS—*continued.*

The provision for the current year is as under :—		£
Roads, &c.	.. .. .	330,000
Backblock roads	.. .. .	200,000
Roads on goldfields	.. .. .	150,000
Opening up Crown Lands for Settlement Account	.. .. .	100,000
National Endowment Account	.. .. .	22,750
New Hutt Road	.. .. .	4,000
Maintenance of roads (Consolidated Fund)	.. .. .	45,000
		<hr/>
Total	.. .. .	£751,750

## DEVELOPMENT OF GOLDFIELDS.

The value of the mineral-output for the year amounted to £3,042,224, being a decrease as compared with the output of the previous year. Work in the mines was hampered considerably by strikes, but as this year this trouble has not existed to anything like the same extent it is anticipated the output will be in excess of that of last year.

Expenditure under this heading during the year was £10,644, and a vote of £9,300 is proposed to be taken this year.

## PUBLIC BUILDINGS.

The total expenditure on public buildings during the last financial year amounted to £611,041, made up as follows :—

	£
New buildings (Class XVIII, Public Works Fund)	.. 445,192
Maintenance-works (Class V, Consolidated Fund)	.. 73,030
Maintenance-works, schools (Class XV, Consolidated Fund)	.. .. . 92,819
	<hr/>
	£611,041

For the current year the following appropriations are proposed :—

	£
New buildings (Public Works Fund)	.. .. 486,000
Maintenance-works (Consolidated Fund)	.. .. 58,689
Maintenance-works, schools (Consolidated Fund)	.. .. 102,200
Contribution to fund for renewal or reinstatement of buildings damaged or destroyed by fire	.. .. 10,000
	<hr/>
	£666,889

## GENERAL.

The foundations for the proposed new Parliament Buildings have been completed ready for the superstructure, and the rearrangement of the grounds surrounding the site was finished in time to display a creditable sward on the lawns in the early spring. The adjacent streets have been widened, an ornamental fence built around the property, and preparations made for the erection of the new building, for the first portion of which tenders have been received and are now under consideration. The total expenditure on building and grounds during the financial year amounted to £15,841, and £2,944 was spent on widening and altering the grades of adjacent streets.

The most important departmental building completed during the year was the new offices facing Cathedral Square and Worcester Street, Christchurch, which will accommodate most of the officials now located in the old Provincial Buildings, as well as an appreciable number occupying rented offices in various parts of the city. A large vote is provided on the estimates for this building, principally to cover liabilities existing at the end of the financial year.

The current year's vote provides also for the new departmental buildings at Gisborne and Stratford, additions at Blenheim, the completion of similar buildings at Hamilton, New Plymouth, and Hokitika, and for the erection of new public-works and marine stores on the reclaimed land at Pipitea, necessary owing to the sites of the present buildings being required for railway purposes. Provision is also made for additions to the Government Printing Office, already in progress under contract.

## JUDICIAL.

*Courthouses.*—Substantial buildings at Masterton and Greymouth were completed during the financial year, and one at Auckland has been finished since its close.

The current year's vote provides for liabilities in connection with these buildings, as well as for new Courthouses at Kaitaia, Waipu, Te Puke, Wairoa, Martinborough, Raetihi, Motueka, Amberley, Balclutha, Wyndham, and Chatham Islands. Substantial additions are to be carried out at Hikurangi, Wanganui, Lawrence, and at the Supreme Court House, Wellington, while the vote also covers minor additions and improvements to existing buildings at various other centres.

*Gaols.*—The principal expenditure during the financial year was in connection with the buildings at Auckland and Invercargill, and additions at Addington and Timaru.

Provision is made on the current year's estimates for commencing the erection of buildings at the Waikeria Reformatory Farm, in the Waikato district; for work in progress at Auckland and Invercargill; for new buildings at Palmerston North and Picton; and for warders' cottages at Wellington, Lyttelton, and Invercargill.

*Police-stations.*—There has again been considerable expenditure on the erection of police-stations at various centres throughout the Dominion, the larger items being for buildings at Maungaturoto, Gisborne, Taumarunui, Murchison, and Waipu. Stations were also provided during the year at Warkworth, Howick, Te Kuiti, Otōrohanga, Wakefield, Cobden, and Islington.

The Lambton Quay station in Wellington no longer provides adequate accommodation for the large number of men who have their headquarters there, and it is proposed to erect a new station on a central site in the city formerly occupied by the Theatre Royal. A substantial vote for this purpose appears on the estimates. Negotiations are also in progress for the acquisition of a site upon which to erect a new building to accommodate the police officers now using the Manners Street Station.

On the current year's estimates provision is made for new buildings at Houhora, Northcote, Takapuna, Mount Eden, Mount Roskill, Epsom, Ponsonby, Devonport, Herekino, Papakura, Hamilton, Ngaruawahia, Huntly, Raurimu, Tokaanu, Whangamomona, Tokomaru Bay, Motu, Patutahi, Porangahau, Masterton, Brooklyn, Eastbourne, Island Bay, Karori, Charleston, Ahaura, Stafford, Ross, Fendalton, Coalgate, Darfield, Ashburton, Waitati, Clyde, Middlemarch, Caversham, Mornington, North-east Valley, Kaitangata, Tapanui, Mataura, Nightcaps, North Invercargill, and Gladstone.

Increased accommodation is being provided by means of additions or alterations at O'Rorke Street (Auckland), Martinborough, Wanganui, Mohaka, Mount Cook (Wellington), and Dunedin.

## POST AND TELEGRAPH.

The principal items of expenditure during the past financial year were in connection with the large new buildings at Auckland and Wellington, which were completed and opened for public business on the 20th and 26th November, 1912, respectively. To meet the continuous growth of the Department's business it is still necessary to provide additional accommodation, and appropriations for this purpose amounting to £206,011 are proposed on the current year's estimates.

During the last financial year buildings for postal and telegraph purposes were erected at Kawakawa, Ponsonby, Te Aroha, Matamata, Putaruru, Waihou, Whangamomona, Ohura, Clive, Awakino, Opotiki, Otane, Kaiwarawara, Sydenham, Pleasant Point, Ravensbourne, Kaitangata, Hawea Flat, and Balfour, while additions and alterations have been carried out at Otahuhu, Taumarunui, Inglewood, Carterton, Wellington Telephone Exchange, Cheviot, Sumner, and Lyttelton. A large brick building has been erected on the reclaimed land at Wellington for use as a bulk store.

In addition to amounts previously authorized but not yet expended, provision is made on the current year's estimates for new post-office buildings at Papatoetoe, Mamaku, Manunui, Patea, Tokomaru, Kimbolton, Khandallah, Island Bay, Woodend, Duvauchelles, Methven, Dunedin, St. Clair, and Riversdale; for alterations and additions at Hamilton, Gisborne, Raetihi, Palmerston North, and Christchurch; also for accommodation for the automatic-telephone system at Auckland, Hamilton, Masterton, Wellington, Blenheim, Oamaru, and Dunedin.

### MENTAL HOSPITALS.

The principal expenditure during the past financial year was in connection with the main block of the new Mental Hospital at Tokanui, which was completed under contract in February last. Nine cottages have been built for the staff, and temporary accommodation provided for patients and attendants. A substantial vote is proposed to continue work in connection with this Hospital during the current year. A new auxiliary building at Porirua was completed and equipped; additions made to the Sunnyside institution, and alterations to provide additional accommodation were carried out at the Simla auxiliary at Seacliff. An additional block of buildings at Waitati was almost completed.

Since the close of the financial year two contracts have been let for auxiliary buildings at Auckland Mental Hospital, for which a vote of £29,000 is provided, and items to cover necessary works at Porirua, Sunnyside, Waitati, Seacliff, and Nelson also appear on the estimates.

### AGRICULTURE.

Further expenditure is contemplated this year to provide up-to-date buildings and equipment for the experimental farms, to make these institutions object-lessons in all that makes for effective working and economy. When the farms were started there was an almost entire absence of modern equipment, and improvements are being effected generally, the expenditure being spread over a number of years.

An experimental farm is being established at Mamaku, on which investigations into the cause of bush sickness in cattle may be continued. At Ruakura drainage operations which have materially increased the fertility of the land are to be continued. A noteworthy increase in the numbers of purebred live-stock imported involves extensions of the accommodation at some of the quarantine stations. At one or two places where resident officers find it practically impossible to rent suitable houses the Department is providing residences at moderate cost.

### HOSPITALS.

Under the heading "Public Health, Hospitals, and Charitable Institutions," there was an expenditure last year of £9,126 out of the Public Works Fund. On the current year's estimates provision is made for £25,530, of which it is anticipated that £10,000 will come to charge before the 31st March next. Last year's expenditure included hospital accommodation at Rotorua, and an up-to-date Maternity Hospital at Wellington. It is proposed to provide similar institutions at Auckland and Christchurch, and the largest items on the estimates relate to these respective proposals.

### SCHOOL BUILDINGS.

The expenditure during the past year was £105,000, of which nearly £83,000 was paid to the respective governing bodies for the erection of schools, additions to existing buildings, equipment and sites for public schools, teachers' residences, technical and secondary schools, and University colleges. The purchase of the Stoke Industrial School property was completed and two residences provided. An addition was made to the day school at Weraroa Training Farm, and a gymnasium and cottage provided at Burnham Industrial School. The Sumner School for the Deaf was enlarged and a workshop built. New Native schools were established at Taemaro (Bay of Islands), Waiorongomai, and Horoera (East Coast).

The vote proposed for the current year includes a substantial grant for a new site and building for the Auckland University College, as well as the usual grants for buildings and sites to the several Education Boards, Technical and Secondary Schools and University Colleges, and also provision for further buildings required in connection with the School for the Deaf, the Otekaike Home, and the different Native and Industrial Schools.

### WORKERS' DWELLINGS.

The expenditure under this head during the past year amounted to £46,455—an appreciable increase over that of the preceding year. The demand for workers' dwellings under the conditions provided in the Act is increasing, and for the current year an authorization of £75,000 is proposed for the acquisition of land, road-formation on sites, and erection of buildings. On account of this sum a vote of £65,000 is asked for for the requirements of the current year.

## DEVELOPMENT OF WATER-POWER.

Satisfactory progress has been made with the Lake Coleridge power-works. The works now under construction provide for headworks and buildings for supplying 10,000 horse-power, whilst the plant on order is capable of supplying 4,000 horse-power after allowing for one spare unit. Transmission lines will be erected in duplicate between Lake Coleridge and Christchurch, where a substation will be built containing the necessary transforming plant, also in duplicate. In connection with this substation a standby plant consisting of oil-engines driving three-phase generators will be installed so as to maintain the supply to Christchurch and district in the event of failure of the transmission line. From the substation, which is situated in Addington, power will be supplied to Christchurch and to the surrounding district for a radius of twenty miles or thereabouts.

In connection with these works a total of forty-two contracts have been entered into, the contract sums amounting to £167,686, in addition to which the Department is carrying out, by direct labour or on the co-operative principle, inlet works at the lake entrance of the tunnel and outlet works at the connection between the tunnel and the pipe-lines, foundations to pipe-lines, excavations for power-house foundations and for tail-race, maintenance of roads between Coalgate and Coleridge, and transportation and erection of plant.

The total expenditure to date is £82,897, whilst the liability amounts to £121,236, and it is estimated that a sum of £48,484 is required to complete the works now under construction, making a gross total of £252,617.

A contract has been entered into with the Christchurch City Council to supply them with power as from 1st May next at varying rates according to the load. At present there is a prospect that the works will be completed in time, the determining feature being the pipe-line, the contract for which is much behindhand.

Negotiations for a supply of power to the Christchurch Tramway Board are proceeding, and similar negotiations will shortly be opened with other power users and local authorities within the area of supply from the substation. Last year's expenditure in connection with the development of water-power amounted to £35,009, and for the current year a vote of £200,000 is provided.

## LICENSES FOR ELECTRIC LIGHT AND POWER.

Numerous licenses have been issued to local authorities and companies to enable them to distribute electricity for light and power purposes, also sundry water-power licenses.

## IRRIGATION.

Steady progress was made during the year with the development of the scheme to irrigate the Ida Valley from reservoirs constructed in the Manorburn and Poolburn Valleys. A road has been made between the head of Ida Valley and the site of the proposed dam on the Manorburn, to permit of the transport of heavy materials for construction-work. Excavation for the concrete dam has been taken out, and preparations made to push the work on during the coming summer. The Bonanza Water-race has been enlarged for some distance to carry water for irrigation in a portion of the valley, and water was turned on to some of the land commanded by the race during last spring and summer. Diverting weirs in the Poolburn and Moa Creek have been laid out and a good start made with the excavations of Black's No. 3. race on the west side of the valley. Unfavourable weather-conditions and excessive snowfall in the winter interfered somewhat with the working of the teams during the greater portion of the year. The survey of the water-race from the Manuherikia River to the flat between Clyde and Alexandra having been completed, the work of constructing same will be undertaken at once.

The expenditure out of last year's vote amounted to £14,689, but a much larger sum will be required this year, and a vote of £35,000 is accordingly provided on the estimates.

## WAIHOU AND OHINEMURI RIVERS IMPROVEMENT.

Detail works in accordance with the authorized scheme for the improvement of these two rivers and of the adjacent land have been vigorously pushed on. The destruction of growing willows along the banks of the Waihou and Komata tributary and the removal of boughs and snags from the streams has proceeded over a distance of eight miles on either bank. A contract, let in January, 1912, for straightening the courses of the Waihou and Ohinemuri rivers by means of the Ngararahi and Koutou cuts, designed to lessen the risk of damage by overflow, is approaching completion. Another contract—for constructing a stop-bank along the right bank of the Ohinemuri alongside the town of Paeroa—was let in February last, and the contractor is making fair progress with his work. A site for a flood-gate on Cooper's Creek near its confluence with the Ohinemuri River has been selected, and the construction of the gate is in hand. Extensive surveys are necessary in connection with these river-improvement works and have been in progress throughout the year whenever weather-conditions were favourable. Surveys have also been made of lands injured or destroyed by silt for the guidance of the Commission appointed under the Act of 1910 to assess the amount of compensation payable for damaged land to be taken in accordance with the provisions of the special Act authorizing the improvement schemes. A contract was placed in April last with the Stevenson and Cook Company, of Dunedin, for the manufacture of a suction-dredge for use in carrying out the improvement scheme, the time fixed for its completion being the middle of April next, and the machinery required for its equipment has also been ordered.

Last year's expenditure in connection with these river-improvement works amounted to £9,555. For the current year a vote of £30,000 is asked for.

## TOURIST AND HEALTH RESORTS.

The expenditure under this heading for the year amounted to £12,906, the principal part being in connection with the erection of the new hostel at the Hermitage.

At Hanmer Springs boring for a further supply of hot mineral water was undertaken and was rewarded with success. The water is now laid on to the bath buildings and swimming-pools.

At Rotorua further improvements were made to the reserves and buildings, also to the drainage and water-supply and electrical works.

It is stated that a practicable track can be made from Milford Sound to the head of Lake Wakatipu via the Cleddau Valley. In the event of this turning out to be correct, steps will at once be taken to survey and form the track.

For the current year a vote of £16,000 is provided, with which it is intended to complete and equip the new hostel at the Hermitage, make much-needed extension to Waitomo Caves hostel, and further develop and improve other scenic districts and resorts.

## TELEGRAPH-EXTENSION.

The expenditure on telegraph and telephone extension during the year amounted to £251,375.

Among the larger works undertaken may be mentioned the construction of the following land lines: Ohakune-Raurimu, Napier-Waipawa, Wellington-Palmerston North, Masterton-Alfredton, Christchurch-Kaikoura, Christchurch-Rakaia, Christchurch-Timaru, and Invercargill-Lumsden, while high-power wireless stations at Awanui and Awarua and a low-power station at Wellington have been completed and opened for business.

The vote for the current year amounts to £376,000, made up as under:—

New telegraph and telephone lines	....	....	£	75,000
New telephone-exchange connections	....	....		220,000
Wireless installations	....	....		30,000
Submarine cables	....	....		10,000
Automatic-telephone installations	....	....		41,000
				£376,000
				£376,000

## LIGHTHOUSES, HARBOUR-WORKS, AND HARBOUR DEFENCES.

## LIGHTHOUSES.

The lighthouse works undertaken during the year were—the completion of the new lighthouse on Castle Point and the automatic light on the Chickens Island, and the erection of a new automatic light at the entrance to Whangarei Harbour, towards the cost of which the Government contributed a pound-for-pound subsidy. The apparatus for the new automatic light in Cook Strait has been ordered, and should arrive in the Dominion shortly. Arrangements are now being made for the construction of the tower.

The apparatus for the new automatic light on Channel Islet, in the Hauraki Gulf, has arrived in Wellington, and the erection will be commenced shortly.

A contract has been let for the erection of a new store for the Marine Department in Wellington, and the erection of the structure has been commenced.

A new road to connect Godley Head Lighthouse with Lyttelton is under construction.

The sum of £7,375 will be required for lighthouse-works during the current financial year.

## HARBOUR-WORKS.

The works carried out during last year were—the erection of a section of a breastwork along the face of the reclamation at Kohukohu; the erection of wharves at Tangaihi (Kaipara), Ruakiwi (Whaingaroa), Lemon Point (Kawhia), Little Wanganui and German Bay (Akaroa), and the completion of the wharf at Half-moon Bay, Stewart Island; removal of rocks in the Kaipara River; improving navigation of the Wade River; roading the Manukau Harbour Endowment; improving the entrance to Awakino River; erection and equipment of Meteorological Observatory in Wellington; harbour-improvements at Takaka and Karamea; and the installation of a more powerful oil-engine winch for the fishermen's boat-slip at Nugget Bay.

The new works to be provided for during the current year are—further grants for the Kohukohu reclamation breastwork; the deepening of the Mahurangi River; the Karamea River improvements and the Nugget Bay fishermen's landing; grants for ferry-slips at Raupo and Tikinui (Kaipara); improving navigation of Taheke, Wade, and Waikato Rivers; wharves at Pahia (Bay of Islands), Whangamarino Falls, Raglan, Kutarere (Ohiwa), Collingwood, and Taieri Mouth; and harbour-improvements at Wairau.

An authorization of £15,811 is required for harbour-works, on account of which a vote of £11,000 is proposed for the current financial year.

## HARBOUR DEFENCES.

A 6 in. Mark VII battery at Auckland has been constructed, principally by prison labour, and other minor works have been carried out in other parts of the Dominion. The expenditure last year was very small, but a vote of £3,000 is asked for the current year.

## GROSS TOTAL APPROPRIATIONS.

In addition to the votes already specially mentioned the estimates make provision for the undermentioned services:—

Departmental	..	..	..	..	..	£ 64,200
Immigration	..	..	..	..	..	36,000
Contingent defence	..	..	..	..	..	50,000
Lands improvement	..	..	..	..	..	31,700

thus bringing the total amount of the proposed appropriations, including special accounts, up to £3,427,325, as against £3,143,111 voted, and £2,520,799 actually expended last year.

## CONCLUSION.

The rapid increase of settlement necessitates year by year a corresponding increase of road and bridge construction, and the end thereof is not yet in sight. There are still far too many settlers who have had for years past either no access or quite inadequate access to their properties, but the number of these I am pleased to say is diminishing. Once these arrears have been overtaken it will be a much easier task to provide only for the needs of new settlers.



# PUBLIC WORKS STATEMENT, 1913.

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TABLE NO. 1.

SUMMARY showing the TOTAL EXPENDITURE on PUBLIC WORKS and OTHER SERVICES out of PUBLIC WORKS FUND to 31st March, 1913, and the LIABILITIES on that Date.

Number of Table containing Details.	Works.	Total Net Expenditure to 31st March, 1912.			Expenditure during Twelve Months ended 31st March, 1913.			Recoveries on Account of Services of Previous Years.			Total Net Expenditure to 31st March, 1913.			Liabilities on 31st March, 1913.			Total Net Expenditure and Liabilities.			Works.
		£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	
3*	Railways ..	28,679	914	8	1,148	832	4	29,799	218	11	9	255,340	3	0	30,054,558	14	9	Railways.		
4†	Roads ..	9,349	519	12	374	345	4	9,723	865	6	3	162,258	11	6	9,886,123	17	9	Roads.		
5 and 5A	Development of goldfields ..	818	173	3	16,943	18	8	827	802	1	10	..	..	..	827,802	1	10	Development of goldfields.		
6	Telegraphs ..	2,025	750	14	251,374	13	8	2,277	125	8	2	171,297	1	0	2,448,422	9	2	Telegraphs.		
7	Public buildings ..	5,042	632	8	445,192	2	6†	5,487	224	10	6	80,910	10	11	5,568,135	1	5	Public buildings.		
8	Lighthouses, harbour-works, and harbour-defences ..	1,081	422	2	16,785	1	10	1,098	207	4	0	527	9	8	1,098,734	13	8	Lighthouses, harbour-works, and harbour-defences.		
..	Departmental ..	726	669	9	57,425	11	1§	784	095	0	4	566	16	8	784,661	17	0	Departmental.		
..	Development of water-power ..	18,450	14	1	..	..	..	18,450	14	1	..	..	..	..	18,450	14	1	Development of water-power.		
18 of 1878	Coal-exploration and mine-development ..	10,835	8	0	..	..	..	10,835	8	0	..	..	..	..	10,835	8	0	Coal-exploration and mine-development.		
11 of 1877	Aiding works on Thames goldfields ..	50,000	0	0	..	..	..	50,000	0	0	..	..	..	..	50,000	0	0	Aiding works on Thames goldfields.		
..	Immigration ..	2,239	912	4	14,693	16	2	2,254	606	1	1	..	..	..	2,254,606	1	1	Immigration.		
..	Purchase of Native lands ..	2,066	637	11	..	..	..	2,065	720	6	10	..	..	..	2,065,720	6	10	Purchase of Native lands.		
..	Defence ..	920	418	14	23,790	2	1	944	208	16	2	..	..	..	944,208	16	2	Defence.		
..	Charges and expenses of raising loans ..	1,242	422	19	1,269	3	1	1,243	692	2	9	..	..	..	1,243,692	2	9	Charges and expenses of raising loans.		
..	Interest and sinking fund ..	218	500	0	..	..	..	218	500	0	0	..	..	..	218,500	0	0	Interest and sinking fund.		
..	Rates on Native lands ..	68	671	16	..	..	..	68	671	16	10	..	..	..	68,671	16	10	Rates on Native lands.		
..	Thermal springs ..	14	599	13	..	..	..	14	599	13	2	..	..	..	14,599	13	2	Thermal springs.		
..	Tourist and health resorts ..	216	633	2	12,905	14	11	229	538	17	0	1,791	0	0	231,329	17	0	Tourist and health resorts.		
..	Lands improvement ..	82	545	12	22,550	6	10	104	712	12	2	1,240	18	2	105,953	10	4	Lands improvement.		
..	Payment to Midland Railway bond-holders ..	150,000	0	0	..	..	..	150,000	0	0	0	..	..	..	150,000	0	0	Payment to Midland Railway bond-holders.		
..	Irrigation and water-supply¶	4,356	5	0	..	..	..	4,356	5	0	0	..	..	..	4,356	5	0	Irrigation and water-supply¶		
..	Totals ..	55,027	466	0	2,379,808	8	7	57,375	430	15	11	673,932	10	11	58,049,363	6	10	Totals.		

\* Table 3 also includes expenditure under Wellington-Manawatu Railway Purchase, Hutt Railway and Road Improvement, and Railways Improvement Accounts. † Table 4 also contains details of expenditure under Loans to Local Bodies and other Accounts. ‡ Includes £50 charged to "Unauthorized." § Includes £139 7s. 6d. charged to "Unauthorized." || Includes £237 8s. 4d. charged to "Unauthorized." ¶ Previously included under Lands Improvement.

Does not include expenditure on Wellington-Manawatu Railway Purchase, Hutt Railway and Road Improvement, and Railways Improvement Accounts.





TABLE NO. 4.

STATEMENT showing the NET EXPENDITURE on ROADS, BRIDGES, &c., out of the Public Works Fund, Consolidated Fund, and the New Zealand State-guaranteed Advances Act, 1911, for the Year ended 31st March, 1913.

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure.
		<b>PUBLIC WORKS FUND.</b>			
		<b>ROADS, ETC.</b>			
		<b>WHANGAREI ROAD DISTRICT—</b>			
109	1	Ahipara to Herekino (£1 for £1) .. ..	Mangonui	Bay of Islands	£ 125 10 8
	3	Awanui to Waipapakauri .. ..	"	"	107 5 0
	5	Broadwood to Motukaraka .. ..	Hokianga	"	7 4 0
	6	Chamberlain Road .. ..	Mangonui	"	94 13 0
	8	Derrick Road .. ..	Hokianga	"	35 9 5
	9	Duncan Road .. ..	Mangonui	"	84 8 0
	10	Fairburn Road .. ..	"	"	43 3 6
	12	Herekino Post-office to Factory (£1 for £1) ..	Hokianga	"	4 18 0
	13	Herekino Settlement Roads (£1 for £1) ..	Mangonui and Hokianga	"	9 3 7
	15	Hikurangi to Mangakura .. ..	Whangarei	"	50 0 0
	17	Hodge's Bridge .. ..	Mangonui	"	247 11 10
	18	Hokianga County flood damage (£1 for £1) ..	Hokianga	"	100 0 0
	19	Huehue (£1 for £1) .. ..	"	"	0 5 0
	21	Iwitauna to Mangamuka .. ..	Mangonui, Whangaroa, and Hokianga	"	176 8 3
	23	Jordan to Otakairangi (£50, £1 for £1) ..	Whangarei	"	86 13 0
	27	Kaeo to Puerua .. ..	Bay of Islands	"	49 19 0
	28	Kaeo to Towai .. ..	Whangaroa	"	14 9 4
	29	Kaeo Village .. ..	"	"	50 0 0
	31	Kaeo to Whangaroa (£1 for £1) .. ..	"	"	74 12 6
	32	Kaikohe to Kawakawa, via Ngapipito (£1 for £1) ..	Bay of Islands	"	1 2 6
	33	Kaikohe to Mangakahia Church .. ..	Hokianga and Bay of Islands	"	774 13 2
	36	Kaimamaku to Helena Bay .. ..	Whangarei	"	94 16 0
	38	Kaitaia to Ahipara .. ..	Mangonui	"	40 0 0
	39	Kaitaia Road (factory to church), (£1 for £1) ..	"	"	50 0 0
	41	Kawakawa Hospital Road .. ..	Bay of Islands	"	67 10 0
	43	Kenana .. ..	Mangonui	"	47 8 0
	44	Kereponia (£50, £1 for £1) .. ..	"	"	44 0 0
	46	Kiripaka to Ngunguru, via Kaitaia (£1 for £1) ..	Whangarei	"	100 0 0
	48	Kohukohu to Motukaraka, via Runa Valley ..	Hokianga	"	24 1 6
	49	Kohukohu Township Roads (£1 for £2) .. ..	"	"	100 3 4
	50	Larner Road (Kaitaia), (£50, £1 for £1) ..	Mangonui	"	56 2 6
	51	Mamari Village to Pukemiro .. ..	Hokianga	"	18 9 0
	53	Mangakahia Bridge to junction of rivers (£1 for £1) ..	Whangarei	"	45 0 0
	54	Mangakahia Stream Bridge (£1 for £1) .. ..	Hokianga	"	37 10 4
	56	Mangatete Bridge .. ..	Mangonui	"	149 14 6
	57	Mangatoetoe (£50, £1 for £1) .. ..	"	"	56 0 0
	58	Mangapoke Bridge (£1 for £1) .. ..	Bay of Islands	"	44 19 5
	60	Mangonui to Cable-station .. ..	Mangonui	"	39 6 6
	61	Mangonui County flood damage (£1 for £1) ..	"	"	62 2 0
	66	Matapouri .. ..	Whangarei	"	50 0 0
	71	Motukaraka Creamery Road (£50, £1 for £1) ..	Hokianga	"	15 8 9
	72	Ngairi Bridge .. ..	Mangonui	"	74 19 4
	73	Ngaruawahine .. ..	Bay of Islands	"	108 0 0
	78	Okaihau to Horeke (£1 for £1) .. ..	Hokianga and Bay of Islands	"	0 8 0
	79	Okaihau to Kerikeri .. ..	Bay of Islands	"	13 13 8
	80	Okaihau No. 2 Block Road .. ..	"	"	50 0 0
	81	Okaihau Settlement Road .. ..	"	"	50 0 0
	82	Okaihau to Waihou (£75, £1 for £1) .. ..	"	"	28 0 0
	83	Omanala River Bridge .. ..	Hokianga	"	512 12 3
	84	Opanaki to Hokianga (£1 for £1) .. ..	Hokianga and Hobson	"	1 0 0
	85	Opouteke Block (access road) .. ..	Hokianga	"	86 18 4
	88	Opuawhanga to Helena Bay .. ..	Whangarei	"	100 0 0
	91	Oropo (£1 for £1) .. ..	Bay of Islands	"	70 9 4
	93	Oruru to Kohumaru (£1 for £1) .. ..	Mangonui	"	38 12 6
	97	Otonga to Opuawhanga (£1 for £1) .. ..	Whangarei	"	25 0 0
	98	Oue to Landing .. ..	Hokianga	"	100 0 0
	102	Paia to Hukerenui .. ..	Bay of Islands	"	50 0 0
	104	Peria to Victoria Valley Post-office (£100, £1 for £1) ..	Mangonui	"	172 4 8
	107	Puata Creek Bridge and approaches .. ..	Hokianga	"	200 0 0
	108	Punakitere Bridge .. ..	"	"	124 15 5
	110	Ramarama (Lower), (£50, £1 for £1) .. ..	Bay of Islands	"	50 0 0
	111	Rangiahua to Umawhero (£50, £1 for £1) ..	Hokianga	"	96 14 0
	112	Rawene Hospital Road .. ..	"	"	300 0 0
	113	Ruapekapeka Parish, Section 95, &c. .. ..	Bay of Islands	"	50 0 0
	115	Russell to Walkare .. ..	"	"	50 0 0
	117	Stony Creek to Kaeo .. ..	Whangaroa	"	79 16 0
	118	Stony Creek to Mangonui .. ..	Mangonui	"	31 10 6
	120	Taita (£1 for £1) .. ..	Hokianga	"	1 4 6
	121	Takahue Village to Victoria Valley Road (£1 for £1) ..	Mangonui	"	64 10 6

TABLE NO. 4—*continued*.  
STATEMENT showing the NET EXPENDITURE ON ROADS, &c.—*continued*.

Vote No.	Item No.	Name of Work.	County.	Electorate	Net Expenditure.
ROADS, ETC.— <i>continued</i> .					
WHANGAREI ROAD DISTRICT— <i>continued</i> .					
109	123	Te Teko to Kauaeranga .. .. .	Whangarei ..	Bay of Islands	£ 6 15 5
	124	Towai Hill .. .. .	Whangaroa ..	"	50 0 0
	125	Towai to Kawakawa (£50, £1 for £1) ..	Bay of Islands ..	"	84 10 0
	127	Towai to Ruapekapeka .. .. .	" ..	"	24 0 0
	128	Umawhero to Mangamuka (£50, £1 for £1) ..	Hokianga ..	"	50 0 0
	129	Utakura to Okaka .. .. .	" ..	"	50 0 0
	130	Utakura River Bridge .. .. .	" ..	"	350 0 0
	131	Victoria Valley Post-office to Fairburn (£1 for £1) .. .. .	Mangonui ..	"	39 12 0
	132	Waiharakeke Stream Bridge .. .. .	Bay of Islands ..	"	90 6 2
	133	Waiharara Stream Bridge .. .. .	Mangonui ..	"	75 0 0
	135	Waikare to Kawakawa .. .. .	Bay of Islands ..	"	22 10 0
	137	Waimamaku to Pakanae .. .. .	Hokianga ..	"	100 8 9
	138	Waimamaku Settlement .. .. .	" ..	"	303 8 0
	140	Waimatanui to Tarawhati .. .. .	" ..	"	34 11 3
	141	Wainui Bridge .. .. .	Mangonui ..	"	147 7 3
	143	Waiotemarama (£1 for £1) .. .. .	Hokianga ..	"	0 6 9
	144	Waiotewhata .. .. .	" ..	"	99 13 1
	145	Waiotu to Hukerenui (Galbraith's), (£50, £1 for £1) .. .. .	Bay of Islands and Whangarei ..	"	50 0 0
	147	Waipapakauri to Waiharara .. .. .	Mangonui ..	"	50 0 0
	148	Waipapakauri to West Coast .. .. .	" ..	"	49 8 6
	150	Waitangi Stream Bridge .. .. .	Bay of Islands ..	"	164 13 3
	151	Whakapara to Rotokakahi (£100, £1 for £1) ..	Hokianga ..	"	28 17 0
	153	Whakapara southwards (metalling), (£1 for £1) .. .. .	Whangarei ..	"	100 0 0
	154	Whananaki Coast Road .. .. .	" ..	"	100 0 0
	155	Whangae Settlement Road .. .. .	Bay of Islands ..	"	50 0 0
	157	Whangaroa Coast Road .. .. .	Whangaroa ..	"	150 0 0
	161	White's Bridge (Herekino), (£1 for £1) ..	Hokianga and Mangonui ..	"	77 9 10
	165	Carter Road .. .. .	Whangarei ..	Marsden	40 0 0
	168	Grahamtown Railway-station to Taumaterau ..	" ..	"	100 0 0
	174	Mangapai to Whangarei (£1 for £1) .. .. .	" ..	"	57 10 0
	178	McLaughlin's to Caves .. .. .	" ..	"	72 0 0
	180	Otaika to Maungakaramea (£1 for £1) .. .. .	" ..	"	797 17 8
	181	Otaika Valley (£1 for £1) .. .. .	" ..	"	75 0 0
	182	Parua to Taheke .. .. .	" ..	"	100 0 0
	185	Ruakaka Valley (£50, £1 for £1) .. .. .	" ..	"	45 15 8
	189	Waikiekie to Mareretu (road and bridge) ..	" ..	"	279 9 9
	191	Waipu Caves to Mangapai .. .. .	" ..	"	50 0 0
	194	Waipu Gorge to Section I, Block X, Waipu S.D. ..	" ..	"	1 10 0
	198	Whangarei County flood damage (£1 for £1) ..	" ..	"	57 0 0
	200	Whangarei to Whangarei Heads (£100, £1 for £1) ..	" ..	"	65 0 0
	204	Kaihu to Tarawhati .. .. .	Hokianga and Hobson ..	Kaipara ..	192 15 9
	205	Mangakahia Bridge to Houtu (£50, £1 for £1) ..	Whangarei ..	"	40 7 4
	206	Mangakahia Bridge to Mangakahia Church (£700, £1 for £1) .. .. .	" ..	"	290 11 0
	207	Mangatutu Stream Bridge .. .. .	Hokianga ..	"	64 6 9
	210	Waima to Opouteke .. .. .	" ..	"	302 9 10
	213	Waima River Bridge .. .. .	" ..	"	455 19 5
	214	Waiote-Kumarau (£150, £1 for £1) .. .. .	" ..	"	39 6 2
	216	Survey, acquisition, and legalization of roads, drains, gravel-pits, tramways, &c. .. .. .	" ..	"	318 1 3
	217	Supervision .. .. .	" ..	"	751 18 2
	218	Contingencies, including unforeseen expenditure incidental to the other items of the vote .. .. .	" ..	"	Cr. 28 15 3
	219	Miscellaneous works and services, including assistance towards the construction of roads, bridges, tracks, &c. .. .. .	" ..	"	Cr. 125 0 11
		Total—Whangarei .. .. .	" ..	"	12,202 18 5
AUCKLAND ROAD DISTRICT—					
	221	Big Omaha to Pakiri, via Leigh (£350, £1 for £1) (on account of £2,000) ..	Rodney ..	Marsden ..	50 0 0
	222	Boulder Stream Bridge .. .. .	" ..	"	100 0 0
	223	Cames Bridge (£1 for £1) .. .. .	" ..	"	50 0 0
	225	Dibble's Bridge to Whangaripo Creamery ..	" ..	"	40 0 0
	226	Hakarau River Bridge (£1 for £1) .. .. .	Otamatea ..	"	75 0 0
	229	Kaiwaka to Mangawai (£70, £1 for £1) .. .. .	" ..	"	29 9 3
	230	Little Scotland to Railway-station .. .. .	Rodney ..	"	100 0 0
	231	Mangawai to Te Hana Railway-station .. .. .	" ..	"	50 0 0
	232	Mangawai to Waipu (coast road), (£50, £1 for £1) .. .. .	Otamatea ..	"	102 2 0
	233	Matakana to Whangaripo .. .. .	Rodney ..	"	50 0 0
	234	Maungaturoto to Kaiwaka (£50, £1 for £1) ..	Otamatea ..	"	100 0 0

TABLE NO. 4—*continued.*  
STATEMENT showing the NET EXPENDITURE ON ROADS, &c.—*continued.*

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure.
		<b>ROADS, ETC.—<i>continued.</i></b>			
		<b>AUCKLAND ROAD DISTRICT—<i>continued.</i></b>			
109	237	Maungaturoto Wharf Road .. .. .	Otamatea ..	Marsden ..	£ s. d. 62 14 0
	239	Omaha to Matakana (through Sections 34 and 35)	Rodney.. ..	" .. ..	100 0 0
	243	Puhoi to Glynn Dairy Factory (£2 for £1) ..	" .. ..	" .. ..	100 0 0
	246	Streamlands to Kaipara Flats Road (£2 for £1)	" .. ..	" .. ..	60 0 0
	250	Te Hana to Mangawai (£1 for £1) .. .. .	" .. ..	" .. ..	450 0 0
	251	Turner's Bridges (£1 for £1) .. .. .	" .. ..	" .. ..	100 0 0
	252	Turnwald Road (£1 for £1) .. .. .	" .. ..	" .. ..	50 0 0
	255	Waipu Gorge Bridge .. .. .	Whangarei and Otamatea	" .. ..	128 5 10
	256	Waipu to Mareretu (Otamatea County Section)	Otamatea ..	" .. ..	6 2 8
	262	Warkworth to Matakana .. .. .	Rodney.. ..	" .. ..	250 0 0
	265	Whangaripo to Wellsford (£400, £1 for £1), (on account of £1,500)	" .. ..	" .. ..	77 10 0
	267	Angel's to Creamery .. .. .	Otamatea ..	Kaipara ..	27 13 10
	268	Aoroa to Aratapu Drainage .. .. .	Hobson .. ..	" .. ..	100 0 0
	269	Arapohue to Hoanga .. .. .	" .. ..	" .. ..	100 0 0
	270	Arapohue to Mangonui Bridge (Lower) ..	" .. ..	" .. ..	300 0 0
	271	Arapohue Settlement Road, via Education Reserve (£1 for £1)	" .. ..	" .. ..	73 0 0
	275	Aratapu Ferry Road to Hospital .. .. .	" .. ..	" .. ..	100 0 0
	278	Awaroa to Te Kowhai .. .. .	Otamatea ..	" .. ..	50 0 0
	280	Batley Road .. .. .	" .. ..	" .. ..	29 18 6
	281	Batley Wharf to Bickerstaffe .. .. .	" .. ..	" .. ..	99 19 0
	287	Dargaville to Opanake Special Settlement (£2 for £1)	Hobson .. ..	" .. ..	300 0 0
	291	Great North Road flood-damage (Rodney County)	Rodney.. ..	" .. ..	100 0 0
	293	Hefford's Bridge (£1 for £1) .. .. .	" .. ..	" .. ..	75 0 0
	294	Helensville end of Auckland Road .. .. .	Waitemata ..	" .. ..	43 15 0
	296	Helensville to Kaukapakapa (Inland Road)	" .. ..	" .. ..	150 0 0
	298	Helensville to Port Albert (Waitemata County Section)	" .. ..	" .. ..	200 0 0
	299	Helensville Swing-bridge (£1 for £1) ..	" .. ..	" .. ..	125 0 0
	303	Hoyle Road to Lusk Road, via The Neck ..	Hobson .. ..	" .. ..	75 0 0
	304	Hukatere (access road) .. .. .	Otamatea ..	" .. ..	64 4 4
	307	Kaihu to Waima .. .. .	Hobson .. ..	" .. ..	100 0 0
	308	Kai Iwi to Kaihu .. .. .	" .. ..	" .. ..	150 0 0
	309	Kaipara Flats to Tauhoa Railway-station ..	Rodney.. ..	" .. ..	60 0 0
	311	Kaiwaka to Railway-station .. .. .	Otamatea ..	" .. ..	127 0 0
	312	Kakanui Bridge (£1 for £1) .. .. .	Rodney.. ..	" .. ..	50 0 0
	313	Kirikopini to Mangakahia (£1 for £1) ..	Hobson.. ..	" .. ..	156 8 0
	314	Kumeu Cemetery Road .. .. .	Waitemata ..	" .. ..	100 0 0
	316	Lusk Road (£50, £1 for £1) .. .. .	Hobson.. ..	" .. ..	30 0 0
	318	Makarau to Komokoriki .. .. .	Waitemata and Rodney	" .. ..	114 19 0
	319	Makarau Railway-station to Kaukapakapa	Waitemata ..	" .. ..	100 12 8
	320	Makarau Railway-station to Tahekeroa ..	" .. ..	" .. ..	144 8 11
	321	Makarau Railway-station to Wainui .. .. .	" .. ..	" .. ..	99 19 3
	324	Mangakura to Hotoe Railway-station ..	Rodney.. ..	" .. ..	57 10 0
	325	Mangonui Bridge (Lower) to Hokowaiti (£100, £1 for £1)	Hobson.. ..	" .. ..	37 10 0
	327	Maropiu to Kairara (£100, £1 for £1) ..	" .. ..	" .. ..	100 0 0
	328	Matakohe District Roads .. .. .	Otamatea ..	" .. ..	55 6 0
	329	Matakohe to Mangonui .. .. .	" .. ..	" .. ..	120 0 0
	335	Maungaru S.D., Block VII, Section 5 ..	Hobson.. ..	" .. ..	100 0 0
	342	Mount Wesley to Kaihu (£300, £1 for £1) ..	" .. ..	" .. ..	107 11 6
	343	Naumai to Bradley's Corner .. .. .	Otamatea ..	" .. ..	50 0 0
	345	Ohirangi to Helensville (£1 for £1) ..	Waitemata ..	" .. ..	50 0 0
	346	Okahu Creek Bridge .. .. .	Hobson.. ..	" .. ..	101 6 4
	347	Omano to Mangarata (£1 for £1) .. .. .	" .. ..	" .. ..	51 16 8
	348	Omano to Maraekura .. .. .	" .. ..	" .. ..	54 2 0
	355	Pahi to Paparoa .. .. .	Otamatea ..	" .. ..	200 0 0
	356	Paparoa (Sterling's Road Deviation) ..	" .. ..	" .. ..	100 0 0
	360	Paparoa to Waikiekie (Otamatea County Section), (£1 for £1)	" .. ..	" .. ..	51 17 8
	361	Paradise Road .. .. .	Hobson.. ..	" .. ..	150 0 0
	362	Paton's Hill (£1 for £1) .. .. .	" .. ..	" .. ..	100 0 0
	363	Pekapekaran State Forest Reserve Road (£1 for £1)	" .. ..	" .. ..	100 0 0
	365	Port Albert to Wellsford Station (£1 for £1)	Rodney.. ..	" .. ..	402 12 0
	366	Poyner's to Omaru .. .. .	Otamatea ..	" .. ..	50 0 0
	370	Redhill to Poutu, via West Coast .. .. .	Hobson.. ..	" .. ..	199 18 11
	372	Robertson Road (£1 for £1) .. .. .	Otamatea ..	" .. ..	50 0 0
	373	Ruatawhiri Road .. .. .	Waitemata ..	" .. ..	150 0 0
	376	South Head Road and Deviation .. .. .	" .. ..	" .. ..	150 0 0
	378	Tangaihi to Tangitiki .. .. .	Hobson.. ..	" .. ..	100 0 0
	379	Tangaihi to Tikinui .. .. .	" .. ..	" .. ..	100 0 0
	380	Tangowahine Post-office Bridge .. .. .	" .. ..	" .. ..	150 0 0

TABLE No. 4 *continued.*  
 STATEMENT showing the NET EXPENDITURE ON ROADS, &c.—*continued.*

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure.
		ROADS, ETC.— <i>continued.</i>			
		AUCKLAND ROAD DISTRICT— <i>continued.</i>			
109	382	Tangowahine to Mangakahia (£1 for £1) ..	Hobson ..	Kaipara ..	£ 50 0 0
	384	Tatarariki Swamp Road ..	" ..	" ..	200 0 0
	388	Te Hana Railway-station Road ..	Rodney ..	" ..	103 5 6
	389	Te Kopuru to Creamery (£1 for £1) ..	Hobson ..	" ..	100 0 0
	391	Te Pahi to Hoteo Railway-station ..	Rodney ..	" ..	150 0 0
	392	Tokatoka to Mangonui Bridge (Upper) ..	Otamatea and Hobson ..	" ..	119 12 5
	395	Tokatoka to Matakoho (Matakoho end) ..	Otamatea ..	" ..	25 14 10
	398	Waimauku to Waikoukou (£162, £2 for £1) ..	Waitemata ..	" ..	38 0 0
	400	Wairoa River Ferry (Mapuna), (£1 for £1) ..	Hobson ..	" ..	50 0 0
	406	Whittaker's Hill (£1 for £1) ..	" ..	" ..	100 0 0
	407	Woodhill to Wharepapa Railway-station ..	Waitemata ..	" ..	100 0 0
	408	Albany to Cut Hill (£100, £1 for £1) ..	" ..	Waitemata ..	150 0 0
	415	Greenhithe to Cut Hill ..	" ..	" ..	200 0 0
	417	Hobsonville to Weissers and Brigham's Creek (£1 for £1) ..	" ..	" ..	100 0 0
	419	Kaukapakapa to Nanahu Post-office ..	" ..	" ..	1 7 6
	421	Riverhead Bridge approaches (£1 for £1) ..	" ..	" ..	100 0 0
	422	Rosedale Wharf Road ..	" ..	" ..	75 0 0
	423	Takapuna to Redvale (£50, £1 for £1) ..	" ..	" ..	67 10 0
	424	Wade Bridge (£1 for £1) ..	" ..	" ..	400 0 0
	426	Wade to Kahikatea Flat ..	" ..	" ..	50 0 0
	428	Wade Village to Upper Orewa (£100, £1 for £1) ..	" ..	" ..	100 0 0
	429	Wainui to Kaukapakapa Railway-station ..	" ..	" ..	100 0 0
	432	Waiwera to Wainui ..	" ..	" ..	100 0 0
	436	Carter Road ..	" ..	Eden ..	100 0 0
	437	Gladstone Road ..	Eden ..	" ..	66 0 0
	438	Henderson Pound Bridge and approaches (£1 for £1) ..	Waitemata ..	" ..	350 0 0
	441	Hetana Hamlet Roads (£50, £1 for £1) ..	" ..	" ..	100 0 0
	442	New Lynn to Henderson ..	" ..	" ..	100 0 0
	444	Point Chevalier Road ..	Eden ..	" ..	150 0 0
	448	Titirangi School Road (£50, £1 for £1) ..	Waitemata ..	" ..	50 0 0
	451	Waikumete to West Coast ..	" ..	" ..	54 12 3
	452	Wairere Road (£1 for £1) ..	" ..	" ..	100 0 0
	453	Waitakerei to West Coast ..	" ..	" ..	50 0 0
	454	Whau, Portage Road (£1 for £1) ..	" ..	" ..	100 0 0
	457	Akaaka to Pukekohe, through Shepherds ..	Franklin ..	Franklin ..	100 0 0
	459	Ardmore Range Road ..	Manukan ..	" ..	34 0 0
	461	Awhitu Wharf to Awhitu Central (£1 for £1) ..	Franklin ..	" ..	12 0 0
	462	Awhitu Wharf Road to Morrison's, via Orua Bay (£1 for £1) ..	" ..	" ..	18 19 0
	471	Dow Road ..	Manukan ..	" ..	164 19 0
	472	Eastern Drain Extension to Waikato River (£250, £1 for £2) ..	Franklin ..	" ..	208 0 0
	473	Flat Bush School Road ..	" ..	" ..	25 0 0
	475	Great South Road (Papakura Road District), (£1 for £1) ..	Manukan ..	" ..	38 0 5
	481	Kawakawa Bay to Haurahi Stream ..	Franklin ..	" ..	110 11 11
	484	Manurewa to Weymouth (£1 for £1) ..	Manukan ..	" ..	33 0 6
	485	Maratai to Clevedon (£200, £1 for £1) ..	" ..	" ..	121 3 9
	492	Otau Parish (Sections 6 and 94) ..	Franklin ..	" ..	31 6 5
	498	Patumahoe Township Roads (£1 for £1) ..	" ..	" ..	95 7 4
	500	Patumahoe to Waiuku—Drury Road ..	" ..	" ..	150 0 0
	501	Piggott Road ..	" ..	" ..	34 7 2
	512	Tramway Road (Puni), (£1 for £1) ..	" ..	" ..	50 0 0
	513	Turangaruru to Waipipi Main Road (£1 for £2), (on account of £1,500) ..	" ..	" ..	488 4 11
	515	Waikopu Bridge ..	Manukan ..	" ..	184 0 0
	517	Wairoa Butter-factory to Brookby Creamery ..	" ..	" ..	69 0 0
	518	Wairoa Road District Bridges ..	Franklin ..	" ..	755 15 10
	519	Waiuku to Awhitu ..	" ..	" ..	2 12 9
	521	Waiuku to Pukekohe (Tramway Road) ..	" ..	" ..	59 15 0
	522	Whitford Road (£1 for £1) ..	" ..	" ..	43 7 8
	523	Woodhouse Hill to Waiuku—Drury Road ..	" ..	" ..	61 7 1
	525	Coromandel County flood damage ..	Coromandel ..	Thames ..	350 0 0
	527	Coromandel to Mercury Bay ..	" ..	" ..	193 15 0
	535	Kopuku Stream Bridge and approaches ..	Waikato ..	" ..	15 10 5
	538	Mangapiko Valley (£45, £1 for £1) ..	" ..	" ..	17 17 10
	544	Matahura Valley to Proctor's (£900, £1 for £1) ..	" ..	" ..	207 9 9
	545	Mataoke Road and Drain ..	Thames ..	" ..	100 0 0
	550	Ohinewai Railway-station to Ngarua Block (£1 for £1), (on account of £1,650) ..	Waikato ..	" ..	165 1 0
	552	Opani to Turua ..	Thames ..	" ..	86 13 0
	554	Owaikanae Settlement Road ..	Coromandel ..	" ..	36 11 6
	556	Pipi Creek Bridge and approaches ..	Thames ..	" ..	50 4 3
	563	Tahuna to Waikaka ..	Ohinemuri ..	" ..	140 0 0
	565	Taniwha to Wairangi Railway-station ..	Waikato ..	" ..	100 0 0
	572	Waikaka Stream Road ..	Ohinemuri ..	" ..	135 0 0
	576	Wairangi Railway-station to Matahura River (£1 for £1), (on account of £2,650) ..	Waikato ..	" ..	492 7 9



TABLE NO. 4—continued.  
STATEMENT showing the NET EXPENDITURE ON ROADS, &c.—continued.

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure.
ROADS, ETC.—continued.					
AUCKLAND ROAD DISTRICT—continued.					
109	577	Waitakaruru Stream Road .. .. .	Thames .. .. .	Thames .. .. .	£ s. d. 117 7 11
	580	Wharepoha District Roads (£50, £1 for £1) ..	" .. .. .	" .. .. .	50 0 0
	581	Whitianga to Kaimarama .. .. .	Coromandel .. .. .	" .. .. .	150 0 0
	582	Whitianga to Ohuka Creek .. .. .	" .. .. .	" .. .. .	100 0 0
	585	Fisher Road (Tahainui), (£1 for £1) .. .. .	Ohinemuri .. .. .	Ohinemuri .. .. .	100 0 0
	586	Gould Road (£1 for £1) .. .. .	Piako .. .. .	" .. .. .	110 0 0
	589	Komata Station to Waihou River .. .. .	Ohinemuri .. .. .	" .. .. .	80 0 0
	591	Mangaiti to Te Aroha Deviation (£1 for £1) ..	" .. .. .	" .. .. .	156 0 0
	593	Netherton to Awaiti Block .. .. .	" .. .. .	" .. .. .	107 0 0
	594	Netherton to Kerepehi .. .. .	" .. .. .	" .. .. .	137 6 8
	600	Ohinemuri County flood damage (£1 for £1) ..	" .. .. .	" .. .. .	35 0 0
	602	Puke Outfall Drain .. .. .	" .. .. .	" .. .. .	98 0 0
	603	Tahuna to Paeroa .. .. .	" .. .. .	" .. .. .	220 0 0
	604	Te Rohia to Mangaiti .. .. .	" .. .. .	" .. .. .	334 19 1
	605	Te Kawana-Ngutumanga (£1 for £1) .. .. .	Piako .. .. .	" .. .. .	41 0 0
	607	Waitoa Block to Waihou Railway-station (£150, £1 for £1) .. .. .	Ohinemuri and Piako .. .. .	" .. .. .	169 0 0
	608	Awaroa Landing Road (£1 for £1) .. .. .	Raglan .. .. .	Raglan .. .. .	342 16 6
	610	Bregmen's Landing to Churchill East .. .. .	" .. .. .	" .. .. .	50 0 0
	612	Eureka Main Road to Railway-station .. .. .	Waikato .. .. .	" .. .. .	150 0 0
	613	Ferris Road .. .. .	" .. .. .	" .. .. .	350 0 0
	614	Glen Murray to Rangiriri (£1 for £1) .. .. .	Raglan .. .. .	" .. .. .	59 19 4
	615	Glen Murray to Woodleigh (£1 for £1) .. .. .	" .. .. .	" .. .. .	531 14 3
	617	Gordonton to Motumaoho (£1 for £1) .. .. .	Waikato .. .. .	" .. .. .	81 0 0
	619	Great South Road (Huntly Town District), (£1 for £2) .. .. .	" .. .. .	" .. .. .	566 15 6
	620	Great South Road (Taupiri to Ngaruawahia), (£1 for £1) .. .. .	" .. .. .	" .. .. .	169 15 0
	621	Heddon Road .. .. .	Raglan .. .. .	" .. .. .	180 9 5
	622	Horokowau Bridges .. .. .	" .. .. .	" .. .. .	11 8 9
	623	Horotui to Tekowhai .. .. .	Waipa .. .. .	" .. .. .	100 0 0
	624	Huntly to Kahuruhuru .. .. .	Raglan .. .. .	" .. .. .	97 19 5
	627	Kaipo Flat (Onewhero), (£1 for £1) .. .. .	" .. .. .	" .. .. .	17 17 0
	628	Kelsey's to Port Waikato .. .. .	" .. .. .	" .. .. .	125 0 0
	630	Mangaokahu (£125, £1 for £1) .. .. .	" .. .. .	" .. .. .	126 1 5
	633	Maungatawhiri Stream to Maungatangi Stream (£1 for £1) .. .. .	Franklin .. .. .	" .. .. .	34 6 1
	634	McGuire Road (£1 for £1) .. .. .	Raglan .. .. .	" .. .. .	64 16 8
	635	McKinnon Road .. .. .	" .. .. .	" .. .. .	83 17 0
	637	Murray River Bank Road (£1 for £1) .. .. .	" .. .. .	" .. .. .	330 18 5
	638	Ngaruawahia to Huntly West .. .. .	" .. .. .	" .. .. .	100 0 0
	639	Ohote Creek Bridge (£1 for £1) .. .. .	Waipa .. .. .	" .. .. .	72 17 6
	640	Onewhero .. .. .	Raglan .. .. .	" .. .. .	397 5 0
	642	Opotoru Road (Hill's) .. .. .	" .. .. .	" .. .. .	50 0 0
	643	Otoroheao Trig. Road .. .. .	" .. .. .	" .. .. .	16 19 3
	645	Proctor Road (Taupiri) .. .. .	Waikato .. .. .	" .. .. .	250 0 0
	646	Pukekawa (£1 for £1) .. .. .	Raglan .. .. .	" .. .. .	725 2 4
	647	Punga Punga Creek Road .. .. .	" .. .. .	" .. .. .	50 0 0
	648	Puriri to Huntly (£1 for £1) .. .. .	" .. .. .	" .. .. .	100 0 0
	649	Raglan to Waipa (£125, £1 for £1) .. .. .	" .. .. .	" .. .. .	202 1 2
	651	Rutherford Road .. .. .	" .. .. .	" .. .. .	45 6 4
	652	Sprowl's Hill (£1 for £1) .. .. .	Franklin .. .. .	" .. .. .	50 0 0
	655	Te Akau Block to Dunmore (£1 for £1) .. .. .	Raglan .. .. .	" .. .. .	166 18 6
	657	Te Kirikiri (£1 for £1) .. .. .	" .. .. .	" .. .. .	50 3 0
	658	Te Puroa (£200, £1 for £1) .. .. .	" .. .. .	" .. .. .	180 14 1
	659	Te Puroa to Waingaro - Ngaruawahia Road (£1 for £1) .. .. .	" .. .. .	" .. .. .	111 4 5
	660	Three Streams to Kauroa Butter-factory .. .. .	" .. .. .	" .. .. .	131 14 8
	661	Tikotiko .. .. .	" .. .. .	" .. .. .	30 0 0
	662	Tuakau Bridge to Raglan (£1 for £1), (on account of £1,500) .. .. .	" .. .. .	" .. .. .	324 19 1
	663	Tuakau to Pukekohe (£1 for £1) .. .. .	Franklin .. .. .	" .. .. .	100 0 0
	664	Tuakau Railway-station to Tuakau Bridge (£1 for £1) .. .. .	" .. .. .	" .. .. .	50 0 0
	665	Tunaki .. .. .	Raglan .. .. .	" .. .. .	55 12 4
	668	Waingaro Springs to Te Uku .. .. .	" .. .. .	" .. .. .	35 12 0
	669	Waingaro to Ngaruawahia (£100, £1 for £1) ..	" .. .. .	" .. .. .	50 0 0
	670	Waingaro to Waingaro Landing .. .. .	" .. .. .	" .. .. .	124 14 5
	671	Wainui .. .. .	" .. .. .	" .. .. .	48 19 0
	672	Waitetuna to Kauri .. .. .	" .. .. .	" .. .. .	106 12 6
	673	Waitetuna to Whatawhata (£250, £1 for £1) ..	" .. .. .	" .. .. .	535 10 8
	674	Wairamarama Block Roads (£1 for £1, (on account of £3,000) .. .. .	" .. .. .	" .. .. .	533 9 0
	675	Whaanga .. .. .	" .. .. .	" .. .. .	117 8 3
	677	Whatawhata Swamp Road (£1 for £1) .. .. .	Waipa .. .. .	Tauranga .. .. .	300 0 0
	680	Alexandra Road (£50, £1 for £1) .. .. .	Piako .. .. .	" .. .. .	49 19 2
	685	Diagonal Road (£1 for £1) .. .. .	" .. .. .	" .. .. .	37 17 9

TABLE No. 4—*continued.*  
STATEMENT showing the NET EXPENDITURE ON ROADS, &c.—*continued.*

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure.
<i>ROADS, ETC.—continued.</i>					
<i>AUCKLAND ROAD DISTRICT—continued.</i>					
109	687	Mangawhero to Kaimai (£100, £1 for £1) ..	Matamata ..	Tauranga ..	£ 100 0 0
	689	Motumaoho Railway-station to Tauhei Road (£500, £1 for £1) ..	Piako ..	" ..	500 0 0
	691	Tauhei to Morrinsville (£1 for £1) ..	" ..	" ..	180 10 0
	695	Waihou River Bridges (Mangawhero) ..	" ..	" ..	140 16 8
	697	Waiomou Stream Bridge ..	Matamata ..	" ..	240 0 0
	698	Crow's Nest Hill to No. 4, Maungatautari (£1 for £1) ..	Waipa and Matamata ..	Waikato ..	350 0 0
	699	Hamilton to Tuhikaramea ..	Waipa ..	" ..	200 0 0
	700	Harapepe to Karamu ..	Raglan ..	" ..	878 17 9
	701	Kakepuku Improved-farm Settlement ..	Waitomo and West Taupo ..	" ..	135 19 10
	702	Kakepuku ..	Ditto ..	" ..	66 1 3
	703	Kakepuku to Puniu Bridge ..	West Taupo ..	" ..	134 1 10
	704	Kaniwhaniwha Bridge (repairs) ..	Raglan ..	" ..	87 7 0
	705	Kihikihi to Otorohanga (£1 for £1) ..	Waipa, West Taupo, and Waitomo ..	" ..	500 0 0
	706	Kihikihi to Waotu ..	West Taupo and Waipa ..	" ..	321 11 0
	707	Lake Road (£1 for £1) ..	Waipa ..	" ..	120 0 0
	709	Mangaiti Bridge ..	Waitomo ..	" ..	360 5 5
	710	Ngaroto Railway-station Road (£1 for £1) ..	Waipa ..	" ..	120 0 0
	711	Ngaroto School Road (£1 for £1) ..	" ..	" ..	240 0 0
	712	Ngutunui to Kawa ..	Waitomo ..	" ..	155 17 8
	713	Okupata (£1 for £1) ..	Kawhia ..	" ..	1,535 16 10
	714	Oparau Bridge and approaches ..	" ..	" ..	1,141 14 9
	715	Pirongia to Te Rore West ..	Raglan ..	" ..	100 0 0
	716	Pirongia to Kawhia ..	Kawhia and Waitomo ..	" ..	91 1 5
	717	Pirongia West ..	Kawhia ..	" ..	141 9 0
	724	Rangiaohia Road District roads (£1 for £1), (on account of £1,000) ..	Waipa ..	" ..	250 0 0
	726	Rukuhia Railway-station Road (£1 for £1) ..	" ..	" ..	500 0 0
	727	Sainsbury Road ..	Raglan and Waitomo ..	" ..	68 3 0
	728	Te Kowhai to Te Rapa (£2 for £1) ..	Waipa ..	" ..	100 0 0
	729	Te Rahu (£1 for £1) ..	" ..	" ..	120 0 0
	730	Te Puhi ..	West Taupo ..	" ..	163 9 1
	732	Tokanui to Wharepapa ..	" ..	" ..	53 7 6
	734	Vandy Road ..	Raglan ..	" ..	110 1 8
	735	Waipa River Bridge (Pirongia), (£1 for £1) ..	Waipa ..	" ..	453 2 1
	736	Walker's Gully culverts (£1 for £2) ..	" ..	" ..	6 15 0
	737	Awaiti Bridge ..	Kawhia ..	Taumarunui ..	2 0 6
	738	Caves Road (£1 for £1) ..	Waitomo ..	" ..	714 10 10
	739	Hangatiki to Waitomo (£1 for £1), (on account of £4,000) ..	" ..	" ..	483 3 4
	741	Hauturu - Otorohanga Road to Ngutunui Stream (£1 for £1) ..	" ..	" ..	100 0 0
	742	Hauturu to Otorohanga (£1 for £1) ..	" ..	" ..	1,794 5 9
	746	Kawhia to Marokopa River (£1,721, £1 for £1) ..	Kawhia ..	" ..	976 17 6
	747	Mangamahoe ..	Waitomo ..	" ..	1 14 0
	748	Mangaohinga River Bridge ..	Kawhia ..	" ..	272 1 11
	749	Mangatangi Bridge and approaches ..	" ..	" ..	22 0 0
	750	Mangawhero Bridge ..	Waitomo ..	" ..	218 16 0
	751	Oamaru (£1 for £1) ..	" ..	" ..	208 0 10
	752	Oteke River Bridge ..	Kawhia ..	" ..	15 17 8
	753	Otorohanga to Otewa ..	Waitomo ..	" ..	358 13 6
	754	Otorohanga to Ouruwhero ..	" ..	" ..	50 0 0
	756	Puketarata ..	" ..	" ..	60 0 0
	757	Tapuae (£1 for £1) ..	" ..	" ..	100 0 0
	759	Turitea (£50, £1 for £1) ..	" ..	" ..	49 19 9
	765	Survey, acquisition, and legalization of roads, drains, gravel-pits, tramways, &c. ..	" ..	" ..	286 9 4
	766	Supervision ..	" ..	" ..	1,397 6 1
	767	Contingencies, including unforeseen expenditure incidental to the other items of the vote ..	" ..	" ..	13 17 9
	768	Miscellaneous works and services, including assistance towards the construction of roads, bridges, tracks, &c. ..	" ..	" ..	203 8 5
Total—Auckland ..					44,677 5 10
<i>TAURANGA ROAD DISTRICT—</i>					
	772	Harper Road ..	Rotorua ..	Tauranga ..	24 1 6
	773	Kaharoa ..	" ..	" ..	41 5 7
	774	Kapukapu ..	" ..	" ..	49 3 11
	776	Mamaku to Ngongotaha Mount ..	" ..	" ..	167 11 0
	779	Oropi Gorge Road ..	Tauranga ..	" ..	93 18 7
	780	Rotorua to Ngongotaha Mount ..	Rotorua ..	" ..	59 8 0
	787	Wairoa River Bridge (£1 for £1) ..	Tauranga ..	" ..	Cr. 2,350 0 0

TABLE NO. 4—continued.  
STATEMENT showing the NET EXPENDITURE ON ROADS, &c.—continued.

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure.
		ROADS, ETC.—continued.			
		TAURANGA ROAD DISTRICT—continued.			
109	789	Galatea to Te Teko .. .. .	Whakatane ..	Bay of Plenty ..	£ 110 0 0
	792	Lichfield to Atiamuri .. .. .	East Taupo and West Taupo ..	" ..	28 15 0
	793	Maketu to Te Ngae .. .. .	Rotorua and Tauranga ..	" ..	12 19 3
	795	Maraetotara .. .. .	Whakatane ..	" ..	123 8 1
	796	Matata to Tamurenu Junction .. .. .	" ..	" ..	76 4 6
	798	Marupara to Ruatahuna .. .. .	Whakatane and East Taupo ..	" ..	74 6 6
	799	Orakei Korako .. .. .	East Taupo ..	" ..	21 12 0
	809	Rotorua to Taupo, via Waiotapu .. .. .	Rotorua and East Taupo ..	" ..	80 9 4
	810	Rotowhero to Galatea .. .. .	East Taupo and Whakatane ..	" ..	49 1 0
	811	Rotowhero to Murupara .. .. .	Rotorua and East Taupo ..	" ..	93 5 8
	815	Taupo Village Streets .. .. .	East Taupo ..	" ..	46 11 6
	816	Tauranga to Te Puke (£1 for £1) .. .. .	Tauranga ..	" ..	225 0 0
	818	Waimana River Bridge and approaches (Opouriao), (£1 for £1) .. .. .	Whakatane ..	" ..	1,453 4 4
	819	Waimangu Geyser to Kakaramaea .. .. .	Rotorua ..	" ..	25 13 0
	820	Waimangu to Lake Rotomahana .. .. .	" ..	" ..	21 12 0
	822	Whakahaupapa Stream Bridge (Herepuru South Road) .. .. .	Whakatane ..	" ..	90 16 4
	823	Whakatane to Te Teko (£1 for £1) .. .. .	" ..	" ..	130 4 11
	824	Survey, acquisition, and legalization of roads, drains, gravel-pits, tramways, &c. .. .. .	" ..	" ..	62 10 0
	825	Supervision .. .. .	" ..	" ..	568 18 3
	826	Contingencies, including unforeseen expenditure incidental to the other items of the vote .. .. .	" ..	" ..	0 3 0
	827	Miscellaneous works and services, including assistance towards the construction of roads, bridges, tracks, &c. .. .. .	" ..	" ..	251 10 5
		Total—Tauranga .. .. .			1,631 13 8
		GISBORNE ROAD DISTRICT—			
	828	Awanui to Waiomatatine .. .. .	Waiapu ..	Bay of Plenty ..	100 0 0
	829	Gabriel's Gully to Conical Hill (£1 for £1) .. .. .	Opotiki ..	" ..	100 0 0
	830	Gisborne to Tatapouri .. .. .	Cook ..	" ..	400 0 0
	831	Gisborne to Tologa (£100, £1 for £1) .. .. .	" ..	" ..	227 0 0
	832	Gisborne to Waiapu, via Kai Inanga .. .. .	Waiapu ..	" ..	100 0 0
	834	Hawai to Maraenui .. .. .	Opotiki ..	" ..	300 0 0
	835	Kaiaua to Tologa Bay .. .. .	Cook ..	" ..	120 0 0
	837	Karakatuwhero .. .. .	Waiapu ..	" ..	100 0 0
	840	Mangohuku .. .. .	Opotiki ..	" ..	24 2 0
	842	Matawai to Moanui (£1 for £1) .. .. .	Waikohu ..	" ..	744 0 7
	843	Matokitoki .. .. .	Cook ..	" ..	166 13 4
	845	Motu Falls Bridge to Porongahau Saddle, via Jackson's .. .. .	Opotiki ..	" ..	200 0 0
	847	Muhunga Creek Bridge (£1 for £1) .. .. .	Cook ..	" ..	75 0 0
	848	Nukuhou Bridge to Waimana (£1 for £1) .. .. .	Opotiki ..	" ..	200 0 0
	850	Opotiki County flood damage .. .. .	" ..	" ..	167 17 11
	852	Opotiki to Matahanea .. .. .	" ..	" ..	40 1 0
	853	Opotiki to Whakatane, via Nukuhou (£1 for £1) .. .. .	Whakatane and Opotiki ..	" ..	580 10 4
	854	Otara River Bridge (£1 for £1 10s.) .. .. .	Opotiki ..	" ..	733 7 1
	855	Peoples Road .. .. .	" ..	" ..	83 5 9
	857	Pouawa Bridge .. .. .	Cook ..	" ..	424 8 0
	858	Puha to Whatatutu (£1 for £1) .. .. .	Waikohu ..	" ..	147 0 9
	859	Rakauaroa to Tahora .. .. .	" ..	" ..	385 8 6
	862	Small Grazing-run No. 60 (access) .. .. .	Cook ..	" ..	0 18 0
	866	Te Waiti .. .. .	Opotiki ..	" ..	42 4 0
	867	Tokomaru to Te Puia .. .. .	Waiapu ..	" ..	300 0 0
	868	Tologa to Wigan .. .. .	Cook ..	" ..	250 0 0
	872	Waiawa River Bridge (Ross Ford) .. .. .	Opotiki ..	" ..	450 0 0
	873	Waimata to Arakihi .. .. .	Cook ..	" ..	100 0 0
	877	Waioeke River Main Road (£520, £1 for £1, (on account of £4,000)) .. .. .	Opotiki ..	" ..	624 1 1
	878	Waiomoko Suspension-bridge (£1 for £1) .. .. .	Cook ..	" ..	600 0 0
	879	Waiotahi Bridge to Kutarere .. .. .	Opotiki ..	" ..	142 14 6
	880	Waiotahi River Traffic Bridge (£1 for £1) .. .. .	" ..	" ..	200 0 0
	882	Waiotahi Parish (access to Section 493) .. .. .	" ..	" ..	125 0 0
	883	Waiotahi Valley and Extension (£1 for £1) .. .. .	" ..	" ..	73 2 6
	886	Ahimanu .. .. .	Cook ..	Gisborne ..	200 0 0
	887	Awapuni (Willows Settlement), (£1 for £1) .. .. .	" ..	" ..	75 0 0
	888	Clydebank Settlement .. .. .	Wairoa ..	" ..	139 0 8
	889	Floods Crossing Bridge .. .. .	Cook ..	" ..	1,620 18 6
	891	Gisborne to Hangaroa (£100, £1 for £1) .. .. .	" ..	" ..	200 0 0
	892	Gisborne to Muriwai (deviation), (£1 for £1) .. .. .	" ..	" ..	750 0 0
	893	Gisborne to Wairoa County Boundary, via Tiniroto (£100, £1 for £1) .. .. .	" ..	" ..	233 2 10

TABLE No. 4—continued.

STATEMENT showing the NET EXPENDITURE ON ROADS. &amp;c.—continued.

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure.
		ROADS, ETC.—continued.			
		GISBORNE ROAD DISTRICT—continued.			£ s. d.
109	894	Hangaroa to Tahora (Cook County Section), (£1,500, £1 for £1)	Cook .. ..	Gisborne ..	604 3 7
	895	Hangaroa to Waikaremoana (£1 for £1) ..	.. ..	.. ..	2,382 2 6
	896	Karaua .. ..	.. ..	.. ..	175 0 0
	897	Mangaone (£450, £1 for £1), (on account of £1,000)	Wairoa .. ..	.. ..	177 10 11
	898	Mangapahi (£1 for £1), (on account of £1,000)	.. ..	.. ..	130 0 0
	899	Mangapoike River Bridge (third crossing) ..	Cook .. ..	.. ..	118 16 8
	901	Matoetoe Creek Bridge .. ..	Wairoa .. ..	.. ..	560 15 7
	902	Muriwai to Morere .. ..	Cook .. ..	.. ..	250 0 0
	903	Ngatapa Settlement (£250, £1 for £1) ..	.. ..	.. ..	4 0 0
	904	Nuhaka River Bridge (Nuhaka Township) ..	Wairoa .. ..	.. ..	1,511 0 4
	905	Nuhaka River Road (£200, £1 for £1) ..	.. ..	.. ..	6 15 0
	906	Nuhaka to Tarewa .. ..	.. ..	.. ..	131 12 6
	907	Patutahi to Gentle Annie .. ..	Cook .. ..	.. ..	270 17 9
	908	Patutahi to Ngatapa (£1 for £1) .. ..	.. ..	.. ..	295 9 7
	909	Taruheru River Bridge (£1 for £1) .. ..	.. ..	.. ..	282 15 0
	910	Te Arai Valley Road .. ..	.. ..	.. ..	214 14 1
	911	Tokanui .. ..	.. ..	.. ..	343 1 6
	913	Waingake Crossing Bridge .. ..	.. ..	.. ..	1,036 13 6
	915	Wairoa to Nuhaka (£1 for £1), (on account of £3,000)	Wairoa .. ..	.. ..	719 5 1
	918	Frasertown to Waikaremoana (£1 for £1), (on account of £1,000)	.. ..	Hawke's Bay ..	100 0 0
	920	Ruakituri Valley (£1 for £1) .. ..	.. ..	.. ..	428 12 0
	922	Waihi Road (£1 for £1) .. ..	.. ..	.. ..	273 0 0
	924	Waikare-Taheke River Bridge .. ..	.. ..	.. ..	378 9 8
	925	Waikaremoana Accommodation House Road	.. ..	.. ..	89 10 6
	928	Wairoa to Waihua (£1 for £1), (on account of £2,000)	.. ..	.. ..	718 19 2
	929	Survey, acquisition, and legalization of roads, drains, gravel-pits, tramways, &c.	.. ..	.. ..	355 0 0
	930	Supervision .. ..	.. ..	.. ..	764 19 7
	932	Miscellaneous works and services, including assistance towards the construction of roads, bridges, tracks, &c.	.. ..	.. ..	99 3 3
		Total—Gisborne .. ..	.. ..	.. ..	23,967 5 1
		TE KUITI ROAD DISTRICT—			
	933	Aorangi .. ..	Ohura .. ..	Taumarunui ..	23 17 5
	934	Arapae (£1 for £1) .. ..	Waitomo .. ..	.. ..	2,087 0 5
	935	Aukopae to Otunui Landing .. ..	Ohura .. ..	.. ..	67 0 3
	938	Huio-teka Stream Bridge .. ..	Waitomo .. ..	.. ..	99 6 4
	939	Kie Kie .. ..	.. ..	.. ..	75 14 9
	940	Kumara (£100, £1 for £1) .. ..	.. ..	.. ..	143 19 0
	941	Maire .. ..	.. ..	.. ..	97 0 0
	942	Mairoa (£1 for £1), (on account of £2,400) ..	.. ..	.. ..	748 14 9
	943	Mangakara .. ..	Ohura .. ..	.. ..	371 16 10
	946	Miroahuiiao to Matiere (£200, £1 for £1) ..	Ohura and Waitomo	.. ..	390 18 2
	949	Oniao .. ..	Waitomo .. ..	.. ..	47 1 8
	951	Otuiti .. ..	Ohura .. ..	.. ..	42 8 3
	952	Owen Road .. ..	Waitomo .. ..	.. ..	13 4 10
	953	Parakoko .. ..	.. ..	.. ..	65 15 0
	954	Paro .. ..	.. ..	.. ..	6 1 6
	955	Poru-o-tarao to Taumarunui .. ..	Ohura and West Taupo	.. ..	30 3 0
	956	Potaka (£1 for £1), (on account of £3,500) ..	Waitomo .. ..	.. ..	160 15 0
	957	Pukearuhe (metalling), (£1 for £1) .. ..	.. ..	.. ..	469 18 6
	958	Pungarehu (£1 for £1) .. ..	.. ..	.. ..	293 10 0
	959	Te Kuiti to Rangitoto Improved-farm Settlement	.. ..	.. ..	117 19 8
	960	Te Kuiti to Te Kumi (£1 for £1) .. ..	.. ..	.. ..	742 2 3
	961	Tokirima (Kaikara Road to Maraekowhai Block)	Ohura .. ..	.. ..	54 7 4
	962	Tongaporutu to Mangaroa (East of Kotare Stream), (£250, £1 for £1), (on account of £1,500)	.. ..	.. ..	1,180 8 0
	963	Totoro (£1 for £1), (on account of £3,500) ..	Waitomo .. ..	.. ..	299 10 0
	964	Tumutumu to Waitomo .. ..	.. ..	.. ..	50 0 0
	966	Waikaka Stream Bridge .. ..	Ohura .. ..	.. ..	108 17 0
	968	Waitaanga North .. ..	.. ..	.. ..	354 7 6
	969	Waitangata .. ..	.. ..	.. ..	40 10 0
	971	Whenuakura .. ..	.. ..	.. ..	108 11 6
	972	Survey, acquisition, and legalization of roads, drains, gravel-pits, tramways, &c.	.. ..	.. ..	420 14 11

TABLE No. 4—*continued.*STATEMENT showing the NET EXPENDITURE ON ROADS, &c.—*continued.*

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure.
<b>ROADS, ETC.—<i>continued.</i></b>					
<b>TE KUITI ROAD DISTRICT—<i>continued.</i></b>					
109	973	Supervision .. .. .	..	..	£ 758 12 4
	974	Contingencies, including unforeseen expenditure incidental to the other items of the vote .. .. .	..	..	85 15 3
	975	Miscellaneous works and services, including assistance towards the construction of roads, bridges, tracks, &c. .. .. .	..	..	35 12 11
Total—Te Kuiti .. .. .					9,511 13 10
<b>NEW PLYMOUTH ROAD DISTRICT—</b>					
	976	Awakino to Tirua Point (coast track) .. .. .	Awakino ..	Taumarunui ..	150 17 5
	977	Kaka .. .. .	Clifton ..	..	95 0 0
	978	Kokakoroa .. .. .	Kawhia and Awakino ..	..	78 16 10
	979	Mangatoa .. .. .	Awakino ..	..	702 2 10
	980	Marangae Block roads .. .. .	Whangamomona ..	..	168 8 5
	981	Mataro (£1 for £1) .. .. .	Clifton ..	..	101 15 0
	982	Mimi to Mokau .. .. .	..	..	874 5 8
	984	Mokau River Ferry (Mokau), (on account) .. .. .	..	..	124 12 2
	985	Mokau Valley Road (Mokau Township Reserve) .. .. .	Awakino ..	..	91 16 8
	986	Ngatarawa .. .. .	..	..	68 15 11
	987	Okoke (£1 for £1) .. .. .	Clifton ..	..	125 0 0
	988	Otaraoa .. .. .	..	..	75 0 0
	989	Pukearuhe (£1 for £1) .. .. .	..	..	175 0 0
	990	Tangitu Stream Bridge (Okoke Road) .. .. .	..	..	147 10 9
	993	Uruti Stream Bridge (£1 for £1) .. .. .	..	..	200 0 0
	994	Waitara River Bridge (Waitara), (£1 for £2) .. .. .	Clifton and Taranaki ..	..	2,528 0 0
	997	Carrington (Saunders Road to Newall Road (£150, £1 for £1) .. .. .	Taranaki and Egmont ..	Taranaki ..	142 0 0
	998	Egmont Road (Upper) .. .. .	Taranaki ..	..	32 10 10
	999	Hill Road to Kotuku Road .. .. .	..	..	50 0 0
	1001	Saunders Road (£1 for £1) .. .. .	..	..	91 6 8
	1003	Koane .. .. .	Eltham and Patea ..	Egmont ..	108 17 7
	1005	Moeawatea Ridge .. .. .	Eltham ..	..	46 1 1
	1008	Rawhitiroa (£1 for £1) .. .. .	..	..	250 0 0
	1009	Wiremu Road (Kiri Road to Ngariki Road) .. .. .	Egmont ..	..	223 10 0
	1010	Arnold .. .. .	Whangamomona ..	Stratford ..	80 15 0
	1011	Brewer (Strathmore to Murcott Road), (£1 for £1) .. .. .	..	..	650 6 0
	1012	Junction Road (Purangi to Matau) .. .. .	Clifton ..	..	50 0 0
	1013	Kohi .. .. .	Whangamomona ..	..	351 10 8
	1014	Maikai .. .. .	..	..	41 8 0
	1016	Mangaehu (Mangaehu Village to Punewhakau Village), (£1 for £1) .. .. .	Stratford ..	..	300 0 0
	1017	Mangaehu (Upper), (£1 for £1) .. .. .	Whangamomona ..	..	750 0 0
	1018	Mangaone Stream Bridge (Rerekino Road) .. .. .	Clifton ..	..	160 1 10
	1019	Mount Humphries Road .. .. .	Stratford ..	..	61 11 3
	1020	Okara .. .. .	Whangamomona ..	..	248 3 0
	1021	Okara River Bridge .. .. .	..	..	47 1 10
	1024	Stratford to Stratford Mountain House .. .. .	Stratford ..	..	25 0 0
	1026	Tangarakau Valley Road .. .. .	Whangamomona ..	..	61 11 7
	1028	Waitara Valley (Tangitu Road to Mangere Road) .. .. .	Clifton ..	..	123 17 4
	1029	Waitiri .. .. .	Stratford and Eltham ..	..	118 6 3
	1031	York Road .. .. .	Stratford ..	..	50 0 0
	1032	Maben .. .. .	Eltham, Hawera, and Patea ..	Patea ..	81 15 3
	1033	Mataimoana .. .. .	Patea ..	..	68 15 2
	1034	Moeawatea Valley .. .. .	Eltham and Patea ..	..	78 3 6
	1035	Opaku .. .. .	Patea ..	..	109 1 2
	1036	Wharariki .. .. .	..	..	109 12 2
	1037	Survey, acquisition, and legalization of roads, drains, gravel-pits, tramways, &c. .. .. .	..	..	71 9 6
	1038	Supervision .. .. .	..	..	738 0 2
	1040	Miscellaneous works and services, including assistance towards the construction of roads, bridges, tracks, &c. .. .. .	..	..	139 19 5
Total—New Plymouth .. .. .					11,167 16 11
<b>WANGANUI ROAD DISTRICT—</b>					
	1041	Taringamutu Valley Road .. .. .	West Taupo ..	Taumarunui ..	15 3 9
	1042	Arawata .. .. .	Waimarino ..	Waimarino ..	50 0 0
	1043	Barton and Field's Road (£1 for £2) .. .. .	Wanganui ..	..	1,073 7 9
	1045	Field's Track to Junction .. .. .	Waimarino ..	..	13 18 6
	1048	Hikimitu .. .. .	Kaitieke ..	..	83 14 10
	1049	Kaimatangi .. .. .	Wanganui ..	..	144 10 0

TABLE NO. 4—*continued.*  
STATEMENT showing the NET EXPENDITURE ON ROADS, &c.—*continued.*

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure.
		ROADS, ETC.— <i>continued.</i>			
		WANGANUI ROAD DISTRICT— <i>continued.</i>			
109	1050	Kaitieke (£500, £1 for £1), (on account of £3,500)	Kaitieke ..	Waimarino ..	£ 84 s. 3 d. 0
	1055	Makotuku River Bridge .. .. .	Waimarino ..	" ..	250 0 0
	1056	Makokomiko (£100, £1 for £1) .. ..	Kaitieke ..	" ..	94 2 10
	1057	Mangamahoe (North), (£1 for £1) .. ..	Rangitikei ..	" ..	260 0 0
	1058	Mangamah Valley .. .. .	Wanganui ..	" ..	135 0 0
	1061	Mangatiti .. .. .	Waimarino ..	" ..	245 14 9
	1064	Mataroa roads .. .. .	Wanganui ..	" ..	75 0 0
	1066	Ngamatea to Pungatawa (£1 for £1) .. ..	" ..	" ..	126 10 0
	1068	Oio (£100, £1 for £1), (on account of £500) ..	Kaitieke ..	" ..	164 15 8
	1071	Paengaroa .. .. .	Wanganui and Rangitikei	" ..	80 8 0
	1073	Pokatea (£250, £1 for £1), (on account of £1,900)	Kaitieke ..	" ..	402 10 8
	1075	Pukeatua (£250, £1 for £1), (on account of £600)	" ..	" ..	48 2 5
	1077	Rotoaira to Waimarino .. .. .	Kaitieke, East Taupo, and West Taupo	" ..	116 3 7
	1078	Tauakira Block Road (deviation) .. ..	Wanganui ..	" ..	75 19 0
	1078	Te Maire (£150, £1 for £1), (on account of £700)	Kaitieke ..	" ..	142 18 5
	1080	Tokaanu Wharf Road .. .. .	East Taupo ..	" ..	44 3 10
	1081	Tuahu .. .. .	Waimarino ..	" ..	69 13 9
	1082	Waimarino to Retaruke (£100, £1 for £1), (on account of £1,500)	Kaitieke ..	" ..	126 3 0
	1083	Waipapa .. .. .	Wanganui ..	" ..	70 2 9
	1085	Waitoka Road .. .. .	" ..	" ..	101 10 0
	1087	Wanganui Valley Road (£150, £1 for £1) ..	Kaitieke ..	" ..	4 8 10
	1088	Wilson's Road (£300, £1 for £1) .. ..	Wanganui ..	" ..	300 0 0
	1089	Ahu Ahu (£1,385, £1 for £1), (on account of £3,000)	Waitotara ..	" ..	957 5 2
	1091	Kauarapaoa .. .. .	" ..	" ..	172 6 11
	1093	Omata (£200, £1 for £1) .. .. .	Patea ..	" ..	60 5 0
	1094	Piercy Road Bridge .. .. .	Waitotara ..	" ..	128 9 8
	1095	Ridge Road .. .. .	Patea ..	" ..	171 19 11
	1097	Wanganui River Bridge (£1 for £3) .. ..	Wanganui ..	Wanganui ..	1,946 13 8
	1103	Whareroa Road (Parakeretu Block) .. ..	Rangitikei ..	Rangitikei ..	326 1 9
	1104	Survey, acquisition, and legalization of roads, drains, gravel-pits, tramways, &c.	" ..	" ..	411 17 0
	1105	Supervision .. .. .	" ..	" ..	1,388 3 0
	1106	Contingencies, including unforeseen expenditure incidental to the other items of the vote	" ..	" ..	Cr. 26 11 5
	1107	Miscellaneous works and services, including assistance towards the construction of roads, bridges, tracks, &c.	" ..	" ..	161 1 6
		Total—Wanganui .. .. .	" ..	" ..	10,095 18 0
		NAPIER ROAD DISTRICT—			
1108		Puketitiri Hot Springs Road to Taharua Station Road (Te Matai)	Hawke's Bay ..	Hawke's Bay ..	38 16 3
1109		Esk River Bridge (£1 for £1) .. .. .	" ..	" ..	900 0 0
1111		Napier to Puketitiri (£1 for £2) .. .. .	" ..	" ..	650 0 0
1112		Pohue to Titiokura Saddle .. .. .	" ..	" ..	2,018 3 11
1113		Puketitiri to Hot Springs .. .. .	" ..	" ..	150 3 1
1114		Run No. 11, Kaweka Survey District (access)	" ..	" ..	3 1 0
1116		Tongoio Lagoon (deviation) .. .. .	Wairoa ..	" ..	2,646 2 9
1121		Waitara to Pohukura .. .. .	" ..	" ..	211 0 6
1124		Havelock North to Waimarama Settlement (Tukituki Hill deviation), (£1 for £1)	Hawke's Bay ..	Waipawa ..	250 0 0
1125		Hawea .. .. .	" ..	" ..	100 0 0
1127		Makaretu Block Roads .. .. .	Waipawa ..	" ..	285 15 2
1129		Mangatahi Stream Bridge (£2 for £1) ..	Hawke's Bay ..	" ..	450 0 0
1138		Waingongoro .. .. .	" ..	" ..	5 19 6
1141		Waipawamate Stream Bridge (£1 for £1) ..	Waipawa ..	" ..	150 0 0
1143		Long Range Road (£1 for £1), (on account of £1,500)	Patangata ..	Pahiatua ..	1,329 0 0
1145		Mangaorapa .. .. .	" ..	" ..	176 3 4
1146		Motuotaraia Road (£1 for £2) .. .. .	" ..	" ..	150 0 0
1147		Ngahape Road (£1 for £1) .. .. .	" ..	" ..	47 0 0
1150		Survey, acquisition, and legalization of roads, drains, gravel-pits, tramways, &c.	" ..	" ..	345 0 10
1151		Supervision .. .. .	" ..	" ..	632 2 4
		Total—Napier .. .. .	" ..	" ..	10,538 8 8

TABLE NO. 4—*continued.*  
STATEMENT showing the NET EXPENDITURE ON ROADS, &c.—*continued.*

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure.
		ROADS, ETC.— <i>continued.</i>			
		WELLINGTON ROAD DISTRICT—			
109	1163	Lagoon Road (north), (£100, £1 for £1) ..	Kiwi-tea ..	Oroua ..	£ 83 16 0
	1165	Mangahua Road East .. .. .	" ..	" ..	50 0 0
	1167	Mangapapa (£1 for £1) .. .. .	" ..	" ..	50 0 0
	1170	Mangawharariki Road (fencing cliff), (£1 for £1)	" ..	" ..	100 0 0
	1171	Mangoira Gorge Road .. .. .	" ..	" ..	100 0 0
	1172	Mania (£100, £1 for £1) .. .. .	" ..	" ..	50 0 0
	1173	Omatane (£100, £1 for £1) .. .. .	Rangitikei ..	" ..	112 17 0
	1177	Rangitane .. .. .	Rangitikei and Kiwi-tea ..	" ..	72 19 8
	1178	Tunipo .. .. .	Pohangina ..	" ..	200 0 0
	1187	Berntson's Slip .. .. .	Weber and Dannevirke ..	Pahiatua ..	157 10 0
	1189	Cross Road .. .. .	Dannevirke ..	" ..	300 0 0
	1190	Dannevirke to Herbertville, via Waipatiki (Weber County Section), (£870, £1 for £1), (on account of £1,000)	Weber .. ..	" ..	359 6 9
	1191	Dew Road .. .. .	Pahiatua ..	" ..	175 14 2
	1192	Esdale (£1 for £1) .. .. .	Weber .. ..	" ..	72 6 2
	1197	Makairo to Coonoor .. .. .	Pahiatua ..	" ..	14 16 0
	1198	Makuri to Pongaroa (£1 for £1) .. .. .	Akitio and Pahiatua ..	" ..	91 8 1
	1199	Makuri Saddle to Pongaroa, via Rakaunui (£1 for £1)	Akitio .. ..	" ..	173 15 0
	1201	Mangapapa Bridge (£1 for £1) .. .. .	Woodville ..	" ..	65 0 0
	1204	Mangatoro Stream foot-bridge .. .. .	Dannevirke ..	" ..	117 1 6
	1205	Mangatoro Stream Bridge, Sixth Crossing (£400, £1 for £1)	" .. .. .	" ..	Cr. 312 9 4
	1208	Mill Stream Road and Bridge .. .. .	Weber .. ..	" ..	127 13 0
	1209	Oporae .. .. .	" .. .. .	" ..	100 0 0
	1214	Piper Road (£75, £1 for £1) .. .. .	Pahiatua ..	" ..	23 1 0
	1215	Pongaroa to Weber County Boundary (£1 for £1)	Akitio .. ..	" ..	169 4 6
	1216	Range Road .. .. .	Woodville ..	" ..	50 0 0
	1218	Rimu Road (£1 for £1) .. .. .	Akitio .. ..	" ..	130 7 1
	1219	Ruaroa Road to Te Rehunga .. .. .	Dannevirke ..	" ..	261 2 8
	1222	Tamaki No. 1 to Law Road .. .. .	" .. .. .	" ..	8 1 4
	1223	Te Awaputahi Bridle-track .. .. .	Weber .. ..	" ..	73 8 11
	1225	Top Grass Road and Bridge .. .. .	Woodville ..	" ..	460 1 5
	1232	Aohanga River Bridge (Inogford), (£1 for £1)	Akitio .. ..	Masterton ..	600 0 0
	1233	Barton's Line (between Dagg's Road and Dryer's Rock), (£1 for £1)	Mauriceville ..	" ..	230 0 0
	1235	Bowen Road (South) .. .. .	Eketahuna and Mauriceville ..	" ..	96 3 7
	1236	Central Mangaone Road (East) .. .. .	Eketahuna ..	" ..	159 17 0
	1237	Eketahuna to Alfredton (£1 for £1) .. .. .	" .. .. .	" ..	44 16 6
	1238	Glendonald to Wairere .. .. .	Masterton and Wairarapa South ..	" ..	300 0 0
	1240	Hinemoa to Alfredton .. .. .	Masterton and Pahiatua ..	" ..	200 8 0
	1247	Keene's Bridge (£1 for £1) .. .. .	Eketahuna ..	" ..	50 8 4
	1249	Mangaorongo .. .. .	Mauriceville ..	" ..	71 7 6
	1257	Priest's Bridge (£1 for £1) .. .. .	Eketahuna ..	" ..	110 0 0
	1258	Quarry Road .. .. .	" .. .. .	" ..	345 16 0
	1260	Te Hoe Stream Bridge (£1 for £1) .. .. .	Masterton ..	" ..	310 0 0
	1261	Tiraumea Valley Road (£1 for £1) .. .. .	Pahiatua ..	" ..	50 0 0
	1264	Waihoki Valley (£200, £1 for £1) .. .. .	Akitio and Masterton ..	" ..	71 1 2
	1267	Alfredton to Tinui (£270, £1 for £2)	Masterton and Castlepoint ..	Wairarapa ..	229 8 1
	1272	Fernyhurst Road and Deviation .. .. .	Masterton ..	" ..	281 2 1
	1273	Gladstone to Wharau (£1 for £1) .. .. .	Wairarapa South ..	" ..	55 13 9
	1277	Homewood to Kaiwhata .. .. .	Masterton ..	" ..	114 14 3
	1278	Kaiwhata (£50, £1 for £1) .. .. .	Wairarapa South ..	" ..	200 0 0
	1280	Kiriwhakapapa .. .. .	Masterton ..	" ..	185 0 0
	1288	Masterton to Tinui (£1 for £1) .. .. .	Castlepoint ..	" ..	50 0 0
	1291	Ngarara Bridge (£1 for £1) .. .. .	Featherston ..	" ..	190 0 0
	1294	Riversdale Road (£100, £1 for £1) .. .. .	Masterton ..	" ..	60 0 0
	1302	Tinui Valley (£1 for £1) .. .. .	Castlepoint ..	" ..	101 0 0
	1304	Uruti Road (£100, £1 for £1) .. .. .	Masterton ..	" ..	185 0 0
	1308	Wangaehu Valley Road (Mahupuku) .. .. .	Featherston and Wairarapa South ..	" ..	150 0 0
	1309	Whakataki to Castlepoint (£1 for £1) .. .. .	Castlepoint ..	" ..	205 14 11
	1310	Wharau to Flat Point (£50, £1 for £1) .. .. .	Wairarapa South ..	" ..	100 0 0
	1316	Manakau North .. .. .	Horowhenua ..	Otaki ..	136 12 6
	1318	Ngatiawa Bridge (£1 for £1) .. .. .	Horowhenua and Hutt ..	" ..	125 0 0
	1321	Otaki Gorge Road (£1 for £1) .. .. .	Horowhenua ..	" ..	35 9 3
	1322	Otaki to Manakau (£1 for £1) .. .. .	" .. .. .	" ..	54 16 1
	1325	Taungata Bridge (£1 for £1) .. .. .	" .. .. .	" ..	728 13 10
	1326	Te Horo to Mangaone Valley .. .. .	" .. .. .	" ..	59 14 0
	1332	Mungaroa River Bridge .. .. .	Hutt .. .. .	Hutt ..	578 0 0

TABLE NO. 4—*continued.*  
STATEMENT showing the NET EXPENDITURE ON ROADS, &c.—*continued.*

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure.
<b>ROADS, ETC.—<i>continued.</i></b>					
<b>WELLINGTON ROAD DISTRICT—<i>continued.</i></b>					
109	1333	Orongorongo .. .. .	Hutt .. .. .	Hutt .. .. .	£ 75 0 0
	1336	Whiteman's Valley .. .. .	" .. .. .	" .. .. .	147 14 6
	1337	Cook Road .. .. .	" .. .. .	Wellington Suburbs	55 12 6
	1338	Cottle Road to Normandale .. .. .	" .. .. .	Ditto .. .. .	75 0 0
	1339	Harris Road .. .. .	" .. .. .	" .. .. .	56 6 10
	1340	Hawtrey Settlement .. .. .	Makara .. .. .	" .. .. .	100 0 0
	1343	Moonshine to Wainui .. .. .	Hutt .. .. .	" .. .. .	42 3 11
	1344	Pahautanui to Upper Hutt (£100, £1 for £1) .. .. .	" .. .. .	" .. .. .	130 0 0
	1346	Plimmerton to Pukerua .. .. .	" .. .. .	" .. .. .	130 4 9
	1348	Pukerua to Paekakariki (£1 for £1) .. .. .	" .. .. .	" .. .. .	66 11 3
	1350	Survey, acquisition, and legalization of roads, drains, gravel-pits, tramways, &c. .. .. .	" .. .. .	" .. .. .	313 16 0
	1351	Supervision .. .. .	" .. .. .	" .. .. .	704 2 7
	1352	Contingencies, including unforeseen expenditure incidental to the other items of the vote .. .. .	" .. .. .	" .. .. .	2 8 2
	1353	Miscellaneous works and services, including assistance towards the construction of roads, bridges, tracks, &c. .. .. .	" .. .. .	" .. .. .	53 14 8
Total—Wellington .. .. .					11,855 12 11
<b>NELSON ROAD DISTRICT—</b>					
	1357	French Pass, Admiralty Bay, and Croixelles Tracks .. .. .	Sounds .. .. .	Nelson .. .. .	26 11 3
	1358	Nelson to Rai Saddle (£100, £1 for £1) .. .. .	Waimea .. .. .	" .. .. .	65 0 0
	1362	Aaron Creek Road .. .. .	Takaka .. .. .	Motueka .. .. .	50 0 0
	1365	Apple Valley .. .. .	Waimea .. .. .	" .. .. .	100 0 0
	1366	Awaroa to Totaranui .. .. .	Takaka .. .. .	" .. .. .	5 0 0
	1370	Brooklyn Creek protective works .. .. .	Waimea .. .. .	" .. .. .	31 5 4
	1373	Burnt Section Road .. .. .	Takaka .. .. .	" .. .. .	69 0 0
	1377	Craigieburn Road .. .. .	" .. .. .	" .. .. .	100 0 0
	1380	Edmondson Creek Bridge .. .. .	" .. .. .	" .. .. .	100 0 0
	1381	Edward Road (Lower Moutere) .. .. .	Waimea .. .. .	" .. .. .	200 0 0
	1382	Ellis Creek Road .. .. .	" .. .. .	" .. .. .	127 8 3
	1384	Flood damage (Motueka), (£1 for £1) .. .. .	" .. .. .	" .. .. .	300 0 0
	1385	Fowler's to Painter's .. .. .	Takaka .. .. .	" .. .. .	140 0 0
	1386	Gardner Road (Upper Moutere) .. .. .	Waimea .. .. .	" .. .. .	48 5 0
	1388	Glen Rae .. .. .	" .. .. .	" .. .. .	50 0 0
	1390	Hamama .. .. .	Takaka .. .. .	" .. .. .	35 0 0
	1392	Hope Valley bridges .. .. .	Waimea .. .. .	" .. .. .	334 8 6
	1393	Horopito .. .. .	" .. .. .	" .. .. .	99 19 7
	1396	Lewis Flat River protective works .. .. .	Takaka .. .. .	" .. .. .	100 0 0
	1397	Little Sydney Road .. .. .	Waimea .. .. .	" .. .. .	68 10 0
	1399	Louford to Waingaro .. .. .	Takaka .. .. .	" .. .. .	100 0 0
	1402	Marahau to Sandy Bay .. .. .	Waimea .. .. .	" .. .. .	60 0 0
	1403	Motueka Coach Road (old) .. .. .	" .. .. .	" .. .. .	100 0 0
	1405	Motueka River Bridge (Kohatu to Westport) .. .. .	" .. .. .	" .. .. .	1,426 17 4
	1406	Motueka River protective works .. .. .	" .. .. .	" .. .. .	400 0 0
	1407	Motueka River Road (West Bank) .. .. .	" .. .. .	" .. .. .	105 0 0
	1408	Motueka Valley (Faulkener's) .. .. .	" .. .. .	" .. .. .	200 0 0
	1409	Motueka Valley to Whangapeka .. .. .	" .. .. .	" .. .. .	94 5 0
	1410	Moutere Mud-flat and extension .. .. .	" .. .. .	" .. .. .	814 0 6
	1411	Moutere Valley Road .. .. .	" .. .. .	" .. .. .	500 0 0
	1412	Neudorf to Dovedale .. .. .	" .. .. .	" .. .. .	17 7 5
	1414	Onekaka Bridge .. .. .	Collingwood .. .. .	" .. .. .	5 15 1
	1416	Pariwhakaoho .. .. .	Takaka .. .. .	" .. .. .	163 13 0
	1418	Pohara to Terakohe .. .. .	" .. .. .	" .. .. .	678 0 0
	1420	Quail Valley .. .. .	Waimea .. .. .	" .. .. .	136 0 0
	1421	Rameka Creek Track .. .. .	Takaka .. .. .	" .. .. .	50 0 0
	1423	Reece Road .. .. .	Collingwood .. .. .	" .. .. .	248 0 0
	1424	Rising Sun Valley .. .. .	Waimea .. .. .	" .. .. .	50 0 0
	1425	Riwaka Road Board roads .. .. .	" .. .. .	" .. .. .	100 0 0
	1426	Riwaka to Sandy Bay and Marahau (Coast Track) .. .. .	" .. .. .	" .. .. .	39 19 6
	1427	Rosedale Hill Road .. .. .	" .. .. .	" .. .. .	116 15 0
	1429	Sherry Valley to Kaka .. .. .	" .. .. .	" .. .. .	210 0 0
	1430	Sherry Valley to Tui .. .. .	" .. .. .	" .. .. .	162 0 0
	1431	Spring Creek to Lindsay Crossing .. .. .	Takaka .. .. .	" .. .. .	100 0 0
	1432	Stanton Creek Bridge .. .. .	Collingwood .. .. .	" .. .. .	135 0 0
	1433	Supplejack Valley .. .. .	Waimea .. .. .	" .. .. .	50 0 0
	1435	Takaka Hill Road .. .. .	Takaka and Waimea .. .. .	" .. .. .	169 17 6
	1436	Takaka Main Road .. .. .	Takaka .. .. .	" .. .. .	100 0 0
	1437	Takaka River Bridge (Long Plain Road) .. .. .	" .. .. .	" .. .. .	182 11 5
	1438	Tasman Valley Road Extension .. .. .	Waimea .. .. .	" .. .. .	217 10 0
	1439	Torlent Bay Track .. .. .	Takaka .. .. .	" .. .. .	47 9 2
	1440	Trass Valley Road .. .. .	Waimea .. .. .	" .. .. .	150 0 0
	1441	Valley Hill Road (deviation) .. .. .	" .. .. .	" .. .. .	50 0 0



TABLE NO. 4—*continued*.  
STATEMENT showing the NET EXPENDITURE ON ROADS, &c.—*continued*.

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure.
		ROADS, ETC.— <i>continued</i> .			
		NELSON ROAD DISTRICT— <i>continued</i> .			
109	1442	Vant's to Bubū .. .. .	Takaka .. .. .	Motueka .. .. .	£ 70 0 0
	1443	Wai-iti Valley (Upper) .. .. .	Waimea .. .. .	" .. .. .	172 10 0
	1445	Wairoa Gorge Road .. .. .	" .. .. .	" .. .. .	45 0 0
	1446	Wairoa River Bridge .. .. .	" .. .. .	" .. .. .	278 2 6
	1447	Waitapu and Totaranui roads .. .. .	Takaka .. .. .	" .. .. .	78 15 0
	1449	Wangapeka to Tadmor River .. .. .	Waimea .. .. .	" .. .. .	50 0 0
	1452	Woodstock to Stanley Brook .. .. .	" .. .. .	" .. .. .	100 0 0
	1453	Baigent Road (£50, £1 for £1) .. .. .	Murchison .. .. .	Buller .. .. .	11 0 0
	1459	Mangles Valley Road (£100, £1 for £1) .. .. .	" .. .. .	" .. .. .	85 16 4
	1460	Matakitaki River protective works .. .. .	" .. .. .	" .. .. .	12 9 9
	1461	Owen bank cutting, Buller Road .. .. .	" .. .. .	" .. .. .	0 15 0
	1463	Ragg Road .. .. .	" .. .. .	" .. .. .	21 10 0
	1465	Survey, acquisition, and legalization of roads, drains, gravel-pits, tramways, &c. .. .. .	" .. .. .	" .. .. .	123 10 1
	1466	Supervision .. .. .	" .. .. .	" .. .. .	592 13 9
	1468	Miscellaneous works and services, including assistance towards the construction of roads, bridges, tracks, &c. .. .. .	" .. .. .	" .. .. .	70 10 0
		Total—Nelson .. .. .			10,743 1 3
		BLENHEIM ROAD DISTRICT—			
	1469	Brown Stream Bridge .. .. .	Marlborough .. .. .	Nelson .. .. .	246 16 3
	1470	Deep Creek to Dead Horse Creek .. .. .	" .. .. .	" .. .. .	133 12 6
	1472	Kaiuma Saddle .. .. .	Sounds and Marlborough .. .. .	" .. .. .	102 4 4
	1473	Muttontown Creek Road .. .. .	Marlborough .. .. .	" .. .. .	194 0 0
	1474	Pelorus Bridge to Tinline (£1 for £1) .. .. .	" .. .. .	" .. .. .	50 0 0
	1475	Rai River Bridge and approaches (Carluke) .. .. .	" .. .. .	" .. .. .	917 4 11
	1476	Rai Saddle to Havelock (£1 for £1) .. .. .	" .. .. .	" .. .. .	150 0 0
	1478	Wakamarina (West) .. .. .	" .. .. .	" .. .. .	73 1 9
	1479	Arapawa Island .. .. .	Sounds .. .. .	Wairau .. .. .	32 10 1
	1480	Awatere Road District flood damage .. .. .	Awatere .. .. .	" .. .. .	200 0 0
	1482	Beach Road to White's Bay .. .. .	Sounds .. .. .	" .. .. .	100 0 0
	1484	Boyd Road (access to S.G.R. 186) .. .. .	Awatere .. .. .	" .. .. .	200 0 0
	1485	Clarence Bridge protective works .. .. .	" .. .. .	" .. .. .	320 14 8
	1488	Flaxbourne River to Ure River (£1 for £1) .. .. .	" .. .. .	" .. .. .	249 12 4
	1490	Havelock to Kaituna (£1 for £1) .. .. .	Marlborough .. .. .	" .. .. .	104 0 0
	1493	Kaituna—Tuamarina (protective works), (£1 for £1) .. .. .	" .. .. .	" .. .. .	47 1 3
	1494	Mahakipawa to Havelock (£50, £1 for £1) .. .. .	" .. .. .	" .. .. .	166 8 0
	1495	Manuka Island Road .. .. .	" .. .. .	" .. .. .	100 0 0
	1496	Omaka Road District bridges (£1 for £1) .. .. .	Awatere .. .. .	" .. .. .	150 0 0
	1498	Picton to Grove .. .. .	Marlborough .. .. .	" .. .. .	214 3 0
	1499	Port Gore to Endeavour Inlet .. .. .	Sounds .. .. .	" .. .. .	15 19 6
	1500	Resolution Bay Road .. .. .	" .. .. .	" .. .. .	43 11 6
	1502	Sounds County Tracks .. .. .	" .. .. .	" .. .. .	2,027 4 11
	1503	Timms River Bridge (Cat Point), (£1 for £1) .. .. .	Marlborough .. .. .	" .. .. .	204 13 0
	1505	Waikakaho .. .. .	" .. .. .	" .. .. .	125 0 0
	1506	Wairau flood damage (£1 for £1) (on account) .. .. .	" .. .. .	" .. .. .	1,148 11 10
	1509	Wairau River Traffic-bridge (near Renwick), (£1 for £1) .. .. .	" .. .. .	" .. .. .	4,586 18 9
	1512	Hapuku River Bridge (on account of £9,000) .. .. .	Kaikoura .. .. .	Hurunui .. .. .	Cr. 4 3 6
	1513	Kaikoura County flood damage (£1 for £1), (on account) .. .. .	" .. .. .	" .. .. .	189 9 9
	1517	Survey, acquisition, and legalization of roads, drains, gravel-pits, tramways, &c. .. .. .	" .. .. .	" .. .. .	65 5 7
	1518	Supervision .. .. .	" .. .. .	" .. .. .	441 0 8
		Total—Blenheim .. .. .			12,595 5 1
		WESTPORT ROAD DISTRICT—			
	1521	Blue Duck Creek Road .. .. .	Buller .. .. .	Motueka .. .. .	88 3 0
	1522	Connor's to Oparara Beach .. .. .	" .. .. .	" .. .. .	143 0 0
	1523	Karamea River (improvement) .. .. .	" .. .. .	" .. .. .	150 0 0
	1525	Llewellyn Track (Mokihinui) .. .. .	" .. .. .	" .. .. .	97 3 6
	1528	Batty's Creek Bridge .. .. .	" .. .. .	Buller .. .. .	198 12 8
	1529	Buller Road to Smith's (Inangahua Junction) .. .. .	" .. .. .	" .. .. .	100 0 0
	1530	Carter Junction to Cape Foulwind .. .. .	" .. .. .	" .. .. .	200 0 0
	1531	Charleston to Grey County boundary .. .. .	" .. .. .	" .. .. .	400 0 0
	1532	Organ Road .. .. .	" .. .. .	" .. .. .	100 0 0
	1533	Waimangaroa Bridge to Beach .. .. .	" .. .. .	" .. .. .	181 0 0
	1534	Waimangaroa River Bridge .. .. .	" .. .. .	" .. .. .	350 15 0
	1536	Survey, acquisition, and legalization of roads, drains, gravel-pits, tramways, &c. .. .. .	" .. .. .	" .. .. .	77 0 0
	1537	Supervision .. .. .	" .. .. .	" .. .. .	312 12 5
		Total—Westport .. .. .			2,398 6 7

TABLE NO. 4—*continued.*  
STATEMENT showing the NET EXPENDITURE ON ROADS, &c.—*continued.*

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure.
		ROADS, ETC.— <i>continued.</i>			
		GREYMOUTH ROAD DISTRICT—			
109	1540	Cochrane Road .. .. .	Inangahua .. .. .	Buller .. .. .	£ 171 10 0
	1541	Larry Creek Road .. .. .	" .. .. .	" .. .. .	18 0 0
	1542	Reefton to Maruia (£500, £1 for £1) .. .. .	" .. .. .	" .. .. .	427 17 9
	1543	Baxter Bridge .. .. .	Grey .. .. .	Grey .. .. .	122 8 0
	1544	Casolas Creek Bridge (£1 for £1) .. .. .	Inangahua .. .. .	" .. .. .	137 0 0
	1546	Cobden to Barrytown .. .. .	Grey .. .. .	" .. .. .	120 0 0
	1547	Grey County flood damage (£1 for £1) .. .. .	" .. .. .	" .. .. .	105 0 6
	1550	Grey River protective works (Brunner Tunnel) .. .. .	" .. .. .	" .. .. .	385 3 4
	1551	Hibernian Bridge .. .. .	" .. .. .	" .. .. .	55 10 0
	1552	Inangahua Bridge (Reefton), (£1 for £1) .. .. .	Inangahua .. .. .	" .. .. .	661 9 5
	1555	Maimai Road .. .. .	" .. .. .	" .. .. .	174 13 9
	1557	Slatey Creek to Big River .. .. .	Grey .. .. .	" .. .. .	300 0 0
	1558	Arahura River protective works (£1 for £1) .. .. .	Westland .. .. .	Westland .. .. .	75 0 0
	1559	Arthur's Pass Tunnel Road .. .. .	" .. .. .	" .. .. .	73 15 0
	1560	Awatuna Railway to Ocean Beach .. .. .	" .. .. .	" .. .. .	50 0 0
	1561	Big Wanganui River Bridge .. .. .	" .. .. .	" .. .. .	2,689 4 11
	1562	Bird Road (£50, £1 for £1) .. .. .	" .. .. .	" .. .. .	194 0 0
	1564	Brandt Road (£50, £1 for £1) .. .. .	" .. .. .	" .. .. .	128 9 0
	1565	Dorothy Falls Track .. .. .	" .. .. .	" .. .. .	108 17 9
	1566	Eastern Hohonu Bridge .. .. .	Grey .. .. .	" .. .. .	145 0 0
	1567	Ferguson Road .. .. .	Westland .. .. .	" .. .. .	109 15 0
	1568	Greenstone Bridge .. .. .	Grey .. .. .	" .. .. .	191 3 7
	1560	Grey Valley to Teremakau .. .. .	" .. .. .	" .. .. .	475 9 2
	1570	Haddock Road (improvement and extension) .. .. .	Westland .. .. .	" .. .. .	56 10 5
	1572	Hohonu River Bridge (Pounamu) .. .. .	Grey .. .. .	" .. .. .	215 2 6
	1573	Hokitika Gorge protective works .. .. .	Westland .. .. .	" .. .. .	60 16 6
	1574	Hokitika South Beach to Ruatapu .. .. .	" .. .. .	" .. .. .	300 0 0
	1577	Kokatahi River protective works .. .. .	" .. .. .	" .. .. .	211 8 9
	1578	Kokatahi Roads (widening) .. .. .	" .. .. .	" .. .. .	86 3 0
	1581	Lake Kanieri Road (widening) .. .. .	" .. .. .	" .. .. .	90 0 0
	1582	Lake Kanieri Road bridges .. .. .	" .. .. .	" .. .. .	94 10 11
	1583	Mahitahi Road .. .. .	" .. .. .	" .. .. .	100 0 0
	1584	Marsden Road (old) .. .. .	Grey .. .. .	" .. .. .	100 0 0
	1585	Martyn River Bridge .. .. .	Westland .. .. .	" .. .. .	45 1 6
	1586	Mikonui to Bold Head .. .. .	" .. .. .	" .. .. .	110 2 9
	1587	Mitchell's to Inchbonnie .. .. .	Grey .. .. .	" .. .. .	50 0 0
	1589	Municipal Road extension (£50, £1 for £1) .. .. .	Westland .. .. .	" .. .. .	100 0 0
	1590	Murray Road extension .. .. .	" .. .. .	" .. .. .	165 0 0
	1591	Nancy River Track .. .. .	Grey .. .. .	" .. .. .	100 0 0
	1594	Omotumotu Bridge .. .. .	" .. .. .	" .. .. .	93 7 2
	1595	Papakamai .. .. .	Westland .. .. .	" .. .. .	228 12 7
	1596	Red Jack's Bridge .. .. .	Grey .. .. .	" .. .. .	250 0 0
	1597	Starvation Point Road .. .. .	" .. .. .	" .. .. .	300 0 0
	1598	Two-mile Road and extension (Arahura) .. .. .	Westland .. .. .	" .. .. .	45 15 8
	1600	Waimihinihi Bridge .. .. .	" .. .. .	" .. .. .	368 17 6
	1602	Walker Creek Road .. .. .	" .. .. .	" .. .. .	107 7 3
	1603	Westland Ferry Service .. .. .	" .. .. .	" .. .. .	200 0 0
	1604	White Road extension .. .. .	" .. .. .	" .. .. .	250 0 0
	1605	Zigzag Road (Kumara) .. .. .	" .. .. .	" .. .. .	150 0 0
	1606	Survey, acquisition, and legalization of roads, drains, gravel-pits, tramways, &c. .. .. .	" .. .. .	" .. .. .	55 7 0
	1607	Supervision .. .. .	" .. .. .	" .. .. .	227 18 0
	1609	Miscellaneous works and services, including assistance towards the construction of roads, bridges, tracks, &c. .. .. .	" .. .. .	" .. .. .	208 8 2
		Total—Greymouth .. .. .			11,289 16 4
		CHRISTCHURCH ROAD DISTRICT—			
	1611	East Oxford to Wharfedale (Richardson's Track) .. .. .	Ashley .. .. .	Hurunui .. .. .	200 0 0
	1612	Gower Road .. .. .	Cheviot .. .. .	" .. .. .	300 0 0
	1613	Grey River Bridge (£1 for £1) .. .. .	Ashley .. .. .	" .. .. .	750 0 0
	1615	Main Kowhai River Bridge (Leithfield), (£1 for £1) .. .. .	Kowai .. .. .	" .. .. .	286 15 0
	1618	Okuku Bridge protective works (£1 for £2) .. .. .	Ashley .. .. .	" .. .. .	30 0 0
	1619	South Kowai River Bridge (Balcairn), (£1 for £1) .. .. .	Kowai .. .. .	" .. .. .	256 3 10
	1626	Waipara River Traffic-bridge (£1 for £1) .. .. .	Waipara and Kowai .. .. .	" .. .. .	886 11 6
	1627	Weka Pass (£1 for £1) .. .. .	Waipara .. .. .	" .. .. .	93 15 0
	1628	Dyer Pass (£1 for £1) .. .. .	Heathcote .. .. .	Lyttelton .. .. .	125 0 0
	1629	Heathcote—Lyttelton Bridle-track (£1 for £1) .. .. .	" .. .. .	" .. .. .	50 0 0
	1630	King Edward VII Road .. .. .	Halswell and Mount Herbert .. .. .	" .. .. .	248 13 1
	1633	Ruapaki Road (White's), (£1 for £1) .. .. .	Heathcote .. .. .	" .. .. .	100 0 0
	1634	Wright Road to Blenheim Road (£1 for £1) .. .. .	Waimairi .. .. .	Riccarton .. .. .	300 0 0
	1639	Tuahiwi Native Reserve Road (Kaiapoi), (£2 for £1) .. .. .	Rangiora .. .. .	Kaiapoi .. .. .	115 11 0

TABLE NO. 4—*continued*.  
STATEMENT showing the NET EXPENDITURE ON ROADS, &c.—*continued*.

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure.
<b>ROADS, ETC.—<i>continued</i>.</b>					
<b>CHRISTCHURCH ROAD DISTRICT—<i>continued</i>.</b>					
109	1640	Page's Road (£1 for £1) .. ..	Heathcote .. ..	Avon .. ..	£ 250 0 0
	1641	Coalgate to Gorge Road .. ..	Selwyn .. ..	Selwyn .. ..	287 12 7
	1643	Mount Somers to Mesopotamia (£1 for £1) ..	Ashburton .. ..	" .. ..	61 16 0
	1645	Ruapuna Settlement (School Road), (£1 for £1) .. ..	" .. ..	" .. ..	95 0 0
	1646	Shepherd Bush to Maronan (£1 for £1) .. ..	" .. ..	" .. ..	100 0 0
	1648	Upper Downs Road (£1 for £1) .. ..	" .. ..	" .. ..	105 0 0
	1649	Burke's Drain (£1 for £1) .. ..	Halswell .. ..	Ellesmere .. ..	49 12 0
	1655	Okute River bridges (£1 for £1) .. ..	Wairewa .. ..	" .. ..	162 0 0
	1660	North Opuha River Bridge (£2 for £1) .. ..	Geraldine .. ..	Ashburton .. ..	101 18 0
	1663	Station Creek Bridge (£2 for £1) .. ..	Mackenzie .. ..	" .. ..	102 0 0
	1664	Temoana River Bridge (£1 for £1) .. ..	Geraldine .. ..	" .. ..	850 0 0
	1665	Waihi River Bridge (£1 for £1) .. ..	" .. ..	" .. ..	400 0 0
	1668	Fairlie to Timaru (culverts), (£1 for £1) ..	Mackenzie .. ..	Temuka .. ..	107 0 0
	1669	Fork River Bridge .. ..	" .. ..	" .. ..	54 0 0
	1670	Greenstone Island Road .. ..	Geraldine .. ..	" .. ..	34 10 0
	1671	Haldon Pastoral Runs, access (£1 for £1) ..	Mackenzie .. ..	" .. ..	105 0 0
	1675	Mackenzie Pass Road (£1 for £1) .. ..	" .. ..	" .. ..	52 0 0
	1677	O'Connor Road (£1 for £1) .. ..	Waimate .. ..	" .. ..	50 0 0
	1680	Pareora River Bridge (£1 for £1) .. ..	" .. ..	" .. ..	250 0 0
	1683	Sodwall Road (£1 for £1) .. ..	" .. ..	" .. ..	103 7 0
	1684	Sullivan Hill .. ..	Levels .. ..	" .. ..	250 0 0
	1687	Totara Valley (£1 for £1) .. ..	" .. ..	" .. ..	100 0 0
	1689	Warden's to Robinson's (£1 for £1) .. ..	" .. ..	" .. ..	100 0 0
	1690	Colq Hill (£1 for £1) .. ..	" .. ..	Timaru .. ..	50 0 0
	1692	Morgan Road (£1 for £1) .. ..	" .. ..	" .. ..	125 0 0
	1695	Glenavy to Redcliff (£1 for £1) .. ..	Waimate .. ..	Waitaki .. ..	85 0 0
	1700	Wallace Road (£1 for £1) .. ..	" .. ..	" .. ..	115 0 0
	1701	Survey, acquisition, and legalization of roads, drains, gravel-pits, tramways, &c. .. ..	" .. ..	" .. ..	2 10 0
	1702	Supervision .. ..	" .. ..	" .. ..	295 5 4
	1703	Contingencies, including unforeseen expenditure incidental to the other items of the vote .. ..	" .. ..	" .. ..	4 7 0
	1704	Miscellaneous works and services, including assistance towards the construction of roads, bridges, tracks, &c. .. ..	" .. ..	" .. ..	107 10 4
Total—Christchurch .. ..					8,297 17 8
<b>DUNEDIN ROAD DISTRICT—</b>					
	1707	Fern Gully Road deviation .. ..	Waitaki .. ..	Waitaki .. ..	55 17 6
	1708	Kakanui River Bridge (£1 for £1) .. ..	" .. ..	" .. ..	287 4 7
	1710	Landon Creek Bridge .. ..	" .. ..	" .. ..	100 12 0
	1711	McPherson Road .. ..	" .. ..	" .. ..	200 0 0
	1713	Ohau Lake Road .. ..	" .. ..	" .. ..	203 5 0
	1714	Otamatapaio Bridge .. ..	" .. ..	" .. ..	311 7 0
	1717	Victoria Road (Elderslie Settlement) .. ..	" .. ..	" .. ..	200 0 0
	1723	Dunback to Macraes .. ..	Waihemo .. ..	Oamaru .. ..	226 10 0
	1724	Dunback to Pigroot .. ..	" .. ..	" .. ..	61 1 5
	1728	Karitane Creamery to Merton Railway-station ..	Waikouaiti .. ..	" .. ..	175 0 0
	1733	Muddy Creek to County boundary .. ..	Waihemo .. ..	" .. ..	101 1 2
	1735	Pleasant River Bridge, near Goodwood Railway-station (£150, £1 for £1) .. ..	" .. ..	" .. ..	278 3 1
	1736	Puketiraki Native Reserve .. ..	Waikouaiti .. ..	" .. ..	50 14 0
	1739	Sheep-yards to Corner Bush .. ..	" .. ..	" .. ..	100 0 0
	1741	Swampy Peak Road (Hummock), (£1 for £1) ..	" .. ..	" .. ..	50 0 0
	1742	Thorburn Road (£1 for £1) .. ..	" .. ..	" .. ..	50 0 0
	1743	Tommy's Flat Creek Bridge (£1 for £1) .. ..	" .. ..	" .. ..	49 15 0
	1749	Centre Road (Strath Taieri) .. ..	Taieri .. ..	Otago Central .. ..	125 0 0
	1751	Corrigal Road (Block I, Tiger Hill) .. ..	Vincent .. ..	" .. ..	100 0 0
	1760	Kelso to Heriot (£1 for £1) .. ..	Tuapeka .. ..	" .. ..	75 0 0
	1762	Lake Bridge to Berwick (£1 for £1) .. ..	Taieri .. ..	" .. ..	150 0 0
	1774	Shank Road .. ..	Clutha .. ..	" .. ..	50 0 0
	1776	Arrow to Crown Range Saddle (£1 for £1) ..	Lake .. ..	Wakatipu .. ..	92 2 0
	1777	Arrow Hospital to McDowell's .. ..	" .. ..	" .. ..	50 0 0
	1780	Cardrona to Mount Barker .. ..	" .. ..	" .. ..	100 0 0
	1781	Cardrona to Pembroke (£100, £1 for £1) .. ..	" .. ..	" .. ..	102 6 6
	1782	Cardrona River Light-traffic Bridge (£1 for £1) ..	Vincent .. ..	" .. ..	250 0 0
	1788	Crown Range Saddle to Wanaka .. ..	Lake .. ..	" .. ..	150 0 0
	1790	Garston to Black Bridge (£50, £1 for £1) ..	" .. ..	" .. ..	86 7 4
	1791	Glenorchy to Paradise .. ..	" .. ..	" .. ..	100 0 0
	1792	Glenorchy to Routeburn .. ..	" .. ..	" .. ..	103 5 0
	1794	Greenstone River Suspension-bridge .. ..	" .. ..	" .. ..	52 5 2
	1797	Kerin Road .. ..	Vincent .. ..	" .. ..	100 0 0
	1799	Lake Harris to Lake Howden .. ..	Lake .. ..	" .. ..	51 8 3
	1808	Queenstown to Moke Lake .. ..	" .. ..	" .. ..	200 0 0
	1810	Shotover Bridge and approaches (£1 for £1) ..	" .. ..	" .. ..	Cr. 392 1 6
	1813	Tarras to Lindis Pass (£150, £1 for £1) ..	Vincent .. ..	" .. ..	100 0 0

TABLE NO. 4—*continued.*  
STATEMENT showing the NET EXPENDITURE ON ROADS, &c.—*continued.*

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure.
ROADS, ETC.— <i>continued.</i>					
DUNEDIN ROAD DISTRICT— <i>continued.</i>					
109	1816	Brighton to Taieri Main Road (Scrogg's Hill Deviation)	Taieri .. ..	Chalmers .. ..	£ s. d. 11 0 6
	1817	Camp to Portobello .. .. .	Peninsula .. ..	" .. ..	150 0 0
	1818	Constance Road (Sawyer Bay) .. .. .	Waikouaiti .. ..	" .. ..	50 0 0
	1819	Dick Road .. .. .	Peninsula .. ..	" .. ..	93 10 0
	1820	Green Island to Taieri Mouth .. .. .	Taieri .. ..	" .. ..	100 0 0
	1823	Lower Kaik Beach Road .. .. .	Peninsula .. ..	" .. ..	408 0 0
	1829	Otakau School Road .. .. .	" .. ..	" .. ..	74 7 6
	1830	Pipikaretu .. .. .	" .. ..	" .. ..	73 0 0
	1833	Pyramid Road .. .. .	" .. ..	" .. ..	39 16 0
	1834	Raione Beach Road .. .. .	" .. ..	" .. ..	155 0 0
	1835	Sandymount Road .. .. .	" .. ..	" .. ..	150 0 0
	1837	Taieri Bridge to Pukekura .. .. .	Taieri .. ..	" .. ..	100 1 3
	1839	Warren Road .. .. .	Waikouaiti .. ..	" .. ..	50 0 0
	1940	West Harbour Road .. .. .	" .. ..	" .. ..	44 9 0
	1842	Wickliff Bay to Cape Saunders Lighthouse..	Peninsula .. ..	" .. ..	100 0 0
	1843	Kaikorai Valley (Roslyn) .. .. .	Taieri .. ..	Dunedin West	150 0 0
	1845	Ocean Beach Domain protective works .. ..	" .. ..	Dunedin South	350 0 0
	1848	Balclutha Traffic-bridge (on account of £3,000)	Bruce and Clutha..	Bruce .. ..	59 19 6
	1850	Benhar to Stirling (£1 for £1) .. .. .	Bruce .. ..	" .. ..	215 19 3
	1852	Blackburn Creamery Road (£1 for £1) .. ..	" .. ..	" .. ..	88 1 9
	1854	Bruce Hill (Lawrence to Tuapeka Mouth) ..	Tuapeka .. ..	" .. ..	100 0 0
	1862	Craigie Road .. .. .	Bruce .. ..	" .. ..	100 0 0
	1869	Greenfield Road (£1 for £1) .. .. .	" .. ..	" .. ..	100 0 0
	1870	Inch-Clutha River protective works (£100, on account of £1,000), (£1 for £1)	" .. ..	" .. ..	2 10 0
	1872	Lawson Hill .. .. .	" .. ..	" .. ..	100 0 0
	1876	Manuka to Mount Stuart (£1 for £1) .. ..	" .. ..	" .. ..	50 0 0
	1881	Morgan Road .. .. .	" .. ..	" .. ..	200 0 0
	1883	Mount Stuart (Hillend), (£50, £1 for £1) ..	" .. ..	" .. ..	32 5 0
	1890	Reserve Road .. .. .	Tuapeka .. ..	" .. ..	200 0 0
	1891	Roulston Road .. .. .	Bruce .. ..	" .. ..	100 0 0
	1892	Sawmill Road .. .. .	" .. ..	" .. ..	100 0 0
	1893	Scott's Havelock Road (£1 for £1) .. .. .	Tuapeka .. ..	" .. ..	150 0 0
	1894	Taieri Mouth Bridge .. .. .	Taieri and Bruce..	" .. ..	1,408 11 9
	1906	Wangaloa to Coombe Hay (£1 for £1) .. ..	Bruce .. ..	" .. ..	61 2 6
	1912	Catherwood Road (£50, £1 for £1) .. .. .	Clutha .. ..	Clutha .. ..	80 0 0
	1932	Martin Road (£50, £1 for £1) .. .. .	" .. ..	" .. ..	50 0 0
	1934	McLennan River Bridge to Caberfeidh Railway-station	" .. ..	" .. ..	273 9 5
	1935	Millar Road .. .. .	" .. ..	" .. ..	33 3 0
	1939	Owaka Main Road to Cannibal Bay (£50, £1 for £1)	" .. ..	" .. ..	99 19 6
	1955	Swamp Road (£1 for £1) .. .. .	" .. ..	" .. ..	62 10 0
	1958	Tahakopa Valley (£100, £1 for £1) .. .. .	" .. ..	" .. ..	64 0 0
	1960	Tapanui to Tapanui Railway-station (£1 for £1)	Tuapeka .. ..	" .. ..	75 0 0
	1962	Tuck Creek Road .. .. .	Clutha .. ..	" .. ..	50 0 0
	1970	Survey, acquisition, and legalization of roads, drains, gravel-pits, tramways, &c.	" .. ..	" .. ..	2 10 0
	1971	Supervision .. .. .	" .. ..	" .. ..	387 1 7
	1072	Contingencies, including unforeseen expenditure incidental to the other items of the vote	" .. ..	" .. ..	1 16 0
	1973	Miscellaneous works and services, including assistance towards the construction of roads, bridges, tracks, &c.	" .. ..	" .. ..	221 13 9
Total—Dunedin .. .. .					10,715 0 9
INVERCARGILL ROAD DISTRICT—					
	1981	Lumsden to Balfour (£1 for £1) .. .. .	Southland .. ..	Wakatipu .. ..	100 0 0
	1982	Lumsden to Lowther (£200, £2 for £1) .. ..	" .. ..	" .. ..	264 13 9
	1989	Pyramid to Riversdale (£1 for £1) .. .. .	" .. ..	" .. ..	100 0 0
	1991	Turnbull Road (£1 for £1) .. .. .	" .. ..	" .. ..	50 0 0
	1992	Waikaia Bush Track (£1 for £1) .. .. .	" .. ..	" .. ..	48 5 9
	1996	Beange Bush to Ridder Bush (£1 for £1) .. ..	" .. ..	Clutha .. ..	50 0 0
	1999	Brewster Road (£1 for £1) .. .. .	" .. ..	" .. ..	8 9 6
	2003	Mokoreta Main Road (£50, £1 for £1) .. ..	" .. ..	" .. ..	50 0 0
	2004	Pascoe Road (£50, £1 for £1) .. .. .	" .. ..	" .. ..	23 12 0
	2006	Quarry Hills to Waikawa (£1 for £1) .. ..	" .. ..	" .. ..	100 0 0
	2013	Allison and McLeish Road (£1 for £1) .. ..	Wallace .. ..	Wallace .. ..	95 0 0
	2014	Alton No. 3 Block roads (£125, £1 for £1) ..	" .. ..	" .. ..	390 7 9
	2016	Barry Road (Orepuki) .. .. .	" .. ..	" .. ..	88 17 6
	2018	Belmont to Blackmount (£1 for £1) .. .. .	" .. ..	" .. ..	197 4 4
	2019	Benmore - Limehills River Channel .. .. .	Southland .. ..	" .. ..	329 12 0
	2020	Best Road (Ringway), (£1 for £1) .. .. .	Wallace .. ..	" .. ..	50 0 0
	2021	Birchwood Stream Bridge (£2 for £1) .. ..	" .. ..	" .. ..	144 16 3
	2026	Colac Bay Road (from beach) .. .. .	" .. ..	" .. ..	50 0 0
	2029	Dipton to Glenure Bush (£1 for £1) .. .. .	Southland .. ..	" .. ..	50 0 0

TABLE NO. 4—continued.  
STATEMENT showing the NET EXPENDITURE ON ROADS, &c.—continued.

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure.	
					£	s. d.
ROADS, ETC.—continued.						
INVERCARGILL ROAD DISTRICT—continued.						
109	2031	Drummond Factory Road (£1 for £1)	Wallace	Wallace	50	0 0
	2035	Ermedale Settlement roads	"	"	452	0 0
	2040	Forde Road (Woodlaw)	"	"	50	0 0
	2043	Grassy Creek deviation (£100, £1 for £1)	"	"	150	0 0
	2044	Gully Road (Block XIV, Waiau S.D.)	"	"	150	0 0
	2045	Hall-Gallagher Road	"	"	100	0 0
	2047	Heel and Mitchell Road (£1 for £1)	"	"	25	0 0
	2048	Jacobs River Hundred, Block XVIII, Sections 55 to 49	"	"	92	1 6
	2050	Lang and McDonald Road	Southland	"	100	0 0
	2051	Lindsay's Calcium Road (£1 for £1)	Wallace	"	50	0 0
	2055	Longwood, Block III (Parson's)	"	"	100	0 0
	2058	Longwood, Block XVI (to McInerney's)	"	"	70	0 0
	2059	Longwood, Block XVII (Sections 12, 14, and 15), (£50, £1 for £1)	"	"	50	0 0
	2061	Manapouri to Flaxy Creek	"	"	50	0 0
	2062	Manuka Road (£1 for £1)	"	"	131	6 2
	2063	Mathieson Road	"	"	50	0 0
	2064	McFarlane Road (£1 for £1)	"	"	100	0 0
	2065	McNeill Road (Jacobs River Hundred), (£100, £1 for £1)	"	"	87	9 8
	2069	Moffat and Forbes Road (£1 for £1)	"	"	50	0 0
	2071	Mossburn to Te Anau, via Manapouri	"	"	218	12 6
	2074	Nightcaps to Wairio (£1 for £1)	"	"	50	0 0
	2075	North Road (Block XIII, Waiau S.D.)	"	"	100	0 0
	2076	O'Connell Road (£1 for £1)	"	"	47	8 3
	2077	Ohai Stream Road	"	"	200	0 0
	2078	Oraki Creek clearing	"	"	100	0 0
	2080	Orawia to Tuatapere (£100, £1 for £1)	"	"	175	1 4
	2082	Otaimai Bush deviation (£1 for £1)	"	"	50	0 0
	2085	Reynold Road (Wrey's Bush), (£1 for £1)	"	"	50	0 0
	2086	Riley and McCleery Road	"	"	240	6 9
	2090	Sanford Road	"	"	80	0 0
	2091	Scott's Gap (Lower), (£1 for £1)	"	"	45	13 3
	2093	Stag Creek Bridge (£100, £1 for £1)	"	"	199	8 4
	2096	Waiau, Blocks XIII and XIV (main roads)	"	"	78	18 11
	2097	Waiau River Bridge (Tuatapere)	"	"	757	14 7
	2101	Ward Road (Longwood)	"	"	200	0 0
	2103	Whitstone River Bridge (Mossburn—Te Anau Road)	"	"	2	7 6
	2104	Birch Road (£1 for £1)	Southland	Mataura	50	0 0
	2108	Caesar Road	"	"	200	0 0
	2112	Coster Road (Hedgehope)	"	"	200	0 0
	2115	Cross Road, Titipua	"	"	50	0 0
	2117	Dobbie Road (Edendale), (£1 for £1)	"	"	50	0 0
	2119	Edendale to Dacre (£1 for £1)	"	"	300	0 0
	2122	Hedgehope to Mataura (£1 for £1)	"	"	65	6 8
	2127	Invercargill, Block XXIII (South Side Sections 73, 74, and 75)	"	"	50	0 0
	2129	Invercargill Hundred, Block XXIV, Sections 28 to 30)	"	"	159	16 3
	2132	Kapuka to Gorge (£100, £1 for £1)	"	"	400	0 0
	2137	Mabel Hall to Factory	"	"	50	0 0
	2144	Millar Road (Hedgehope)	"	"	100	0 0
	2150	Osmond Road	"	"	49	9 0
	2157	Scenic Reserve Road (Lothian Hundred), (£1 for £1)	"	"	135	0 0
	2162	Tramway Road (Mabel)	"	"	98	18 2
	2165	Turner Road (£1 for £1)	"	"	100	0 0
	2167	Waimatua to Everett's Hills (£1 for £1)	"	"	50	0 0
	2170	Welsh Road (Sections 96 and 97, Block XXIII, Invercargill Hundred)	"	"	12	18 0
	2171	Woodward Road (Morton Mains), (£1 for £1)	"	"	50	0 0
	2175	Inglewood Road	"	Invercargill	100	2 3
	2177	Lyon Road	"	"	22	10 0
	2179	Waihapai River protective works (£1 for £1)	"	"	55	0 0
	2180	Williams Road (Inglewood)	"	"	50	0 0
	2181	Awarua Plains School Road	"	Awarua	39	0 0
	2182	Black Road (Otatarā)	"	"	200	0 0
	2183	Bluff Main Road	"	"	54	18 4
	2184	Bragg Road	Stewart Island	"	80	0 0
	2187	Butterfield Beach to Horseshoe Bay	"	"	69	0 0
	2192	Cemetery Road (Bluff)	Southland	"	250	0 0
	2197	Ditch Road (Mason Bay)	Stewart Island	"	313	0 0
	2201	Elgan Terrace	"	"	65	0 0
	2203	Flagstaff Road	Southland	"	200	0 0
	2207	Forest Hill Hundred (Section 304)	"	"	100	0 0
	2212	Gordon Road, Otatarā	"	"	100	0 0
	2213	Half-moon Bay to Mill Creek	Stewart Island	"	85	0 0
	2214	Half-moon Bay to Thule	"	"	93	0 0

TABLE No. 4—*continued.*  
STATEMENT showing the NET EXPENDITURE ON ROADS, &c.—*continued.*

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure.
ROADS, ETC.— <i>continued.</i>					
INVERCARGILL ROAD DISTRICT— <i>continued.</i>					
109	2215	Harold Road .. .. .	Stewart Island	Awarua	£ s. d. 162 3 0
	2216	Hedgehope-Makarewa Channel .. ..	Southland	"	8 0 0
	2217	Hick's Road to Butterfields .. ..	Stewart Island	"	134 1 0
	2219	Horseshoe Bay Back Road .. ..	"	"	97 0 0
	2221	Invercargill Hundred, Block XVI, Section 13	Southland	"	100 0 0
	2223	Invercargill Hundred, Block XXII, Sections 28, 29, and 30 (road to)	"	"	50 0 0
	2225	Jewitt Road (Hedgehope) .. ..	"	"	190 9 6
	2226	Leask Road to Traill's .. ..	Stewart Island	"	17 4 0
	2227	Lee Bay to Bob's Point .. ..	"	"	69 0 0
	2228	Lee Road, Block XXII (Invercargill Hundred)	Southland	"	16 12 0
	2229	Leggett Road (£1 for £1) .. ..	"	"	163 0 0
	2234	Makarewa Outfall Drain .. ..	"	"	100 0 0
	2236	Maori Beach to Otagu .. ..	Stewart Island	"	57 0 0
	2239	Marshall Road (Spar Bush) .. ..	Southland	"	100 0 0
	2240	Mason Bay Road .. ..	Stewart Island	"	174 7 8
	2243	McCrostie Road (£1 for £1) .. ..	Southland	"	75 0 0
	2249	New River Estuary Road (south wall) .. ..	"	"	725 11 9
	2254	North Arm Road .. ..	Stewart Island	"	148 12 0
	2255	Ocean Beach Road .. ..	Southland	"	100 0 0
	2258	Point Road .. ..	"	"	249 19 11
	2259	Princess Road (Greenhills) .. ..	"	"	250 0 0
	2260	Russell Road, Greenhills .. ..	"	"	130 11 5
	2261	Ryan Creek Road .. ..	Stewart Island	"	106 1 6
	2266	Stewart Island Main Road .. ..	"	"	11 5 0
	2267	Sutton Road (Boggy Burn) .. ..	Southland	"	50 0 0
	2268	Thule to Ryan Creek .. ..	Stewart Island	"	84 3 9
	2271	Tourist roads (Stewart Island) .. ..	"	"	104 2 6
	2276	Waikiwi Stream Bridge .. ..	Southland	"	200 0 0
	2277	Waimatuku Main Road through bush .. ..	"	"	79 9 3
	2281	Winton Creek Channel (Upper) .. ..	"	"	41 14 10
	2283	Winton, Block III, Section 12 (outfall drain)	"	"	44 0 0
	2284	Wright Bush Road (£1 for £1) .. ..	"	"	100 0 0
	2287	Supervision .. ..	"	"	619 12 9
	2288	Contingencies, including unforeseen expenditure incidental to the other items of the vote	"	"	Cr. 3 12 0
	2289	Miscellaneous works and services, including assistance towards the construction of roads, bridges, tracks, &c.	"	"	210 8 8
Total—Invercargill .. ..					15,508 4 9
GENERAL—					
	2291	Compensation for injuries to employees while in discharge of their duties, and contingent expenses in connection with same	"	"	1,102 6 6
	2292	Engineering surveys .. ..	"	"	109 19 1
	2294	Plant not chargeable to any particular work	"	"	237 10 10
	2295	Roadmen's huts, store-rooms, &c. .. ..	"	"	347 6 5
	2296	Stone-crushers and road-making plant .. ..	"	"	143 5 5
Total—General .. ..					1,940 8 3
Vote No. 109—Total for 1912-13..					209,136 14 0
BACKBLOCKS ROADS, ETC.					
WHANGAREI ROAD DISTRICT—					
110	1	Aponga to Mangakahia .. ..	Whangarei	Bay of Islands	100 0 0
	5	Awanui to Mangonui, via Taipa .. ..	Mangonui	"	37 13 3
	6	Awaroa Stream Bridge (on account)	Hokianga	"	351 11 7
	7	Blue Gorge Road .. ..	Mangonui	"	3 16 0
	8	Broadwood to Herekino .. ..	Hokianga	"	343 9 4
	9	Broadwood to Runa Runa .. ..	"	"	4 14 0
	10	Broadwood to Takahue .. ..	Mangonui and Hokianga	"	24 1 6
	11	Driving Creek Bridge .. ..	Hokianga	"	6 14 6
	12	Fairburn to Otukai .. ..	Mangonui	"	36 0 0
	13	Great North Road to Otukai .. ..	"	"	56 5 0
	14	Haha Bridge .. ..	Hokianga	"	50 2 6
	15	Herekino to Kaitaia .. ..	Mangonui	"	88 8 0
	17	Huahua to Mangakino .. ..	Hokianga	"	19 2 6
	20	Humphrey Road .. ..	"	"	48 19 9
	23	Kohumaru .. ..	Mangonui	"	14 17 0
	25	Mangakahia River Bridge (on account of £1,650)	Bay of Islands	"	8 14 9

TABLE NO. 4—continued.

STATEMENT showing the NET EXPENDITURE on ROADS, &amp;c.—continued.

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure.
		<b>BACKBLOCKS ROADS, ETC.—continued.</b>			
		<b>WHANGAREI ROAD DISTRICT—continued.</b>			
110	26	Mangamuka to Oruru .. ..	Hokianga and Mangonui	Bay of Islands	£ s. d. 55 0 0
	27	Mangamuka to Victoria Valley .. ..	Ditto .. ..	"	423 4 0
	29	Mangonui to Kohumaru Block, via Kenana	Mangonui .. ..	"	346 17 0
	30	Mangonuiwae Stream Bridge (Rotokakahi)	Hokianga .. ..	"	294 9 6
	32	Matawherohia to Kaeo .. ..	Whangaroa .. ..	"	93 14 0
	36	Okaharu Stream Bridge .. ..	Hokianga .. ..	"	55 7 11
	37	Okaihau to Kaikohe] .. ..	Bay of Islands .. ..	"	120 3 0
	39	Opouteke Road .. ..	Hokianga .. ..	"	193 19 6
	41	Oruaiti to Kenana .. ..	Mangonui .. ..	"	16 13 9
	42	Otukai to Mangatete, via Creamery Reserve	" .. ..	"	145 18 7
	46	Paewhenua Bridge .. ..	" .. ..	"	83 12 2
	47	Pakotai .. ..	Hokianga .. ..	"	79 13 5
	51	Pikiparia to Te Karae .. ..	" .. ..	"	281 3 11
	54	Ruatangata to Otakairangi .. ..	Whangarei] .. ..	"	100 0 0
	55	Smoothy Road .. ..	Hokianga .. ..	"	108 5 7
	56	Takahue to Herekino .. ..	Mangonui .. ..	"	95 16 2
	57	Takahue S.D., Block IV (access) .. ..	" .. ..	"	81 9 0
	59	Takahue S.D., Block X (access) .. ..	" .. ..	"	9 8 0
	61	Tapuketaru .. ..	Hokianga .. ..	"	4 0 0
	63	Te Karae Stream Bridge .. ..	Bay of Islands .. ..	"	4 12 9
	64	Te Puia Bridge .. ..	" .. ..	"	158 8 3
	66	Waiharara to Hohoura .. ..	Mangonui .. ..	"	140 18 2
	67	Waiote—Kumarau Bridge .. ..	Hokianga .. ..	"	22 13 9
	70	Whangape to Mangonuiwae, via Rotokakahi Block	" .. ..	"	151 14 10
	72	Whangape to Whakarapa .. ..	" .. ..	"	3 0 0
	73	Whirinaki to Taita .. ..	" .. ..	"	24 4 3
	75	Katui to Marlborough Settlement .. ..	" .. ..	Kaipara ..	283 16 5
	77	Mangakahia Road bridges .. ..	Whangarei .. ..	"	76 5 6
	78	Mangatu to Katui .. ..	Hokianga .. ..	"	68 19 0
	79	Tarawhati .. ..	" .. ..	"	256 0 1
	80	Tutamoe S.D., Block V (access to Section 10)	" .. ..	"	107 17 7
	81	Waipoua S.D., Section 26, Block XI (access)	" .. ..	"	197 7 5
	87	Waikare to Pacific Cliff .. ..	Whangarei .. ..	Marsden ..	50 0 0
	89	Supervision .. ..	" .. ..	"	720 16 8
	90	Miscellaneous works and services, including assistance towards the construction of roads, bridges, tracks, &c.	" .. ..	"	80 17 8
		Total—Whangarei .. ..			6,130 17 6
		<b>AUCKLAND ROAD DISTRICT—</b>			
	91	Bayer Road to Section 273, Waiwera Parish	Rodney .. ..	Marsden ..	220 1 8
	94	Mareretu to Bull's .. ..	Otamatea .. ..	"	40 11 0
	97	Mason Road (coast road) .. ..	" .. ..	"	40 11 0
	99	Waipu to Mareretu (extension to Nutsford's)	" .. ..	"	166 1 3
	100	Waiwhiu to Whangaripo .. ..	Rodney .. ..	"	50 0 0
	102	Birch's to Lindquist Road (Paparoa)	Otamatea .. ..	Kaipara ..	100 0 0
	104	Makarau Railway-station to West Coast Road	Waitemata .. ..	"	115 2 7
	108	Tikinui to Creamery .. ..	Hobson .. ..	"	100 0 0
	110	Waimauku to West Coast .. ..	Waitemata .. ..	"	300 0 0
	112	Great Barrier Island (Whangapara to Awanga)	No county .. ..	Waitemata ..	375 3 1
	113	Great Barrier Island (Harataonga to Port Fitzroy)	" .. ..	"	69 2 4
	114	Great Barrier Island (Tryphena to Kaitoke Beach)	" .. ..	"	215 11 1
	116	Huia to Whatipu .. ..	Waitemata .. ..	Eden ..	100 0 0
	121	Graham's Beach to Palmer's .. ..	Franklin .. ..	Franklin ..	11 15 9
	123	Otau to Hunua .. ..	" .. ..	"	129 12 1
	124	Otau Road .. ..	" .. ..	"	16 2 0
	125	Paparimu to Maungatawhiri .. ..	" .. ..	"	9 14 7
	126	Pollok Main Road .. ..	" .. ..	"	18 7 10
	128	Wairoa River to Otau .. ..	Manakau .. ..	"	66 6 7
	129	Coromandel to Mercury Bay (continuation of main through road)	Coromandel .. ..	Thames ..	527 0 0
	131	Kaihere .. ..	Ohinemuri .. ..	"	484 8 0
	132	Kaimarama Settlement to Waikawau .. ..	Coromandel .. ..	"	100 0 0
	135	Kuaotunu to Opito Settlement .. ..	" .. ..	"	101 14 2
	137	Mangawhara .. ..	Ohinemuri .. ..	"	360 0 0
	138	Maungatawhiri to Waitakaruru .. ..	Waikato and Thames	"	133 16 0
	139	Miranda to Maramarua .. ..	Waikato .. ..	"	5 9 0
	140	Opito to Wharekaho .. ..	Coromandel .. ..	"	50 0 0
	142	Parakete Creek Bridge (Port Charles)	" .. ..	"	100 0 0
	144	Port Charles to Ahiroa .. ..	" .. ..	"	50 0 0
	145	Sullivan's Bridge to Kaimarama .. ..	" .. ..	"	400 0 0
	147	Tahuna to Proctor's .. ..	Ohinemuri .. ..	"	116 10 7
	148	Taupiri Parish (access to Section 485)	Waikato .. ..	"	78 6 6

TABLE NO. 4—continued.  
STATEMENT showing the NET EXPENDITURE on ROADS, &c.—continued.

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure.
		BACKBLOCKS ROADS, ETC.—continued.			
		AUCKLAND ROAD DISTRICT—continued.			
110	149	Torehapa .. .. .	Ohinemuri ..	Thames ..	£ s. d. 12 9 0
	151	Waiti .. .. .	" ..	" ..	161 18 11
	152	Whenuakite to Hot-water Beach .. .. .	Coromandel ..	" ..	50 0 0
	153	Aotea to Raglan .. .. .	Raglan ..	Raglan ..	97 7 6
	154	Cogswell Road .. .. .	" ..	" ..	12 9 0
	157	Kauroa to Pakoka .. .. .	" ..	" ..	372 11 4
	158	Kirikiri to Te Akau through Section 60 .. .. .	" ..	" ..	99 17 9
	159	Klondyke .. .. .	" ..	" ..	111 0 9
	161	Pakihi to Okete .. .. .	" ..	" ..	327 10 2
	162	Ruapuke to Aotea .. .. .	" ..	" ..	0 18 0
	163	Ruapuke Mountain Road .. .. .	" ..	" ..	229 11 11
	164	Ruapuke Mountain Road to Te Mata .. .. .	" ..	" ..	54 2 0
	165	Takapaunui to Ruapuke Mountain Road .. .. .	" ..	" ..	1 18 3
	166	Te Mata to Ruapuke .. .. .	" ..	" ..	100 0 0
	167	Te Mata to Te Uku .. .. .	" ..	" ..	200 0 0
	170	Whangape Parish (Sections 126, 127, and 128) .. .. .	" ..	" ..	48 2 10
	171	Kauri to Harapepe .. .. .	" ..	Waikato ..	73 5 0
	172	Kawhia to Aotea .. .. .	" ..	" ..	100 0 0
	173	Koromatua .. .. .	Waipa ..	" ..	100 0 0
	175	Mangaorongo Bridge, No. 1 .. .. .	West Taupo ..	" ..	97 3 6
	178	Mangaiti .. .. .	Waitomo ..	" ..	303 5 5
	181	Okupata Junction to Pekanui .. .. .	Kawhia and Waitomo ..	" ..	102 17 5
	182	Pakoka Bridge (Pakihi to Okete Road) .. .. .	Raglan ..	" ..	70 16 4
	183	Pehehau to Kaniwhaniwha .. .. .	" ..	" ..	60 4 4
	186	Waitetuna to Aotea .. .. .	Kawhia and Raglan ..	" ..	295 10 10
	187	Wharauoa .. .. .	" ..	" ..	17 19 6
	188	Awaroa to Mahoe .. .. .	Kawhia ..	Taumarunui ..	179 11 9
	189	Awaroa to Waiharakeke .. .. .	" ..	" ..	168 9 6
	190	Hauturu .. .. .	Waitomo and Kawhia ..	" ..	31 15 6
	191	Kaimango .. .. .	Kawhia ..	" ..	211 0 6
	192	Kauri .. .. .	" ..	" ..	99 19 5
	193	Kauri Branch Road .. .. .	" ..	" ..	30 0 0
	194	Kihi .. .. .	" ..	" ..	351 13 6
	196	Kinohaku to Waiharakeke .. .. .	" ..	" ..	400 0 0
	197	Lemon Point to Te Maika Road .. .. .	" ..	" ..	110 9 1
	198	Mahoe .. .. .	" ..	" ..	255 13 11
	199	Marokopa River Bridge (Mangapohue) .. .. .	Awakino and Kawhia ..	" ..	538 5 7
	201	Otorohanga to Hangatiki - Waitomo Road .. .. .	Waitomo ..	" ..	74 17 6
	202	Otorohanga to Pirongia .. .. .	" ..	" ..	27 1 1
	204	Tapuae .. .. .	" ..	" ..	103 0 0
	205	Taumatatotara East .. .. .	Kawhia ..	" ..	60 6 6
	206	Taumatatotara West .. .. .	" ..	" ..	145 15 0
	207	Te Maika .. .. .	" ..	" ..	111 7 5
	208	Te Maika to Marokopa .. .. .	" ..	" ..	18 10 9
	209	Waihohonu .. .. .	Waitomo ..	" ..	81 10 0
	211	Supervision .. .. .	" ..	" ..	1,432 17 8
	212	Miscellaneous works and services, including assistance towards the construction of roads, bridges, tracks, &c. .. .. .	" ..	" ..	90 17 0
		<b>Total—Auckland</b> .. .. .			<b>12,275 8 6</b>
		TAURANGA ROAD DISTRICT—			
	215	Clayton Road .. .. .	Rotorua ..	Tauranga ..	66 9 9
	216	Clover Road .. .. .	Tauranga ..	" ..	76 3 5
	217	Dansey Road .. .. .	Rotorua ..	" ..	89 3 9
	218	Faulkner Road .. .. .	Tauranga ..	" ..	48 8 0
	219	Harray Road .. .. .	" ..	" ..	48 0 0
	220	Kaimai Road .. .. .	Tauranga and Matamata ..	" ..	842 2 10
	221	Kaimai (access to Sections 579 to 583, Te Papa Parish) .. .. .	Tauranga ..	" ..	14 4 3
	223	Mamaku to Maraeroa - Oturoa Block .. .. .	Rotorua ..	" ..	61 12 6
	224	Mangorewa Gorge to Mamaku .. .. .	" ..	" ..	299 12 3
	225	Ngamuawahine .. .. .	Tauranga ..	" ..	79 17 4
	226	Ngawaro to Te Puke .. .. .	Rotorua and Tauranga ..	" ..	73 10 0
	227	Omanawa .. .. .	Tauranga ..	" ..	22 14 4
	230	Puwhehua .. .. .	Rotorua ..	" ..	30 12 0
	234	Te Ahuru Bridges .. .. .	Tauranga ..	" ..	998 18 1
	235	Whataroa .. .. .	Rotorua ..	" ..	62 11 0
	236	Whataroa to Matai Road .. .. .	" ..	" ..	1 15 0
	237	Hereperu North .. .. .	Whakatane ..	Bay of Plenty ..	220 12 3
	238	Hereperu South .. .. .	Rotorua ..	" ..	97 8 0
	241	Kaikokupu to Taheke .. .. .	" ..	" ..	4 19 0
	243	Korano .. .. .	Tauranga ..	" ..	69 0 1
	244	Maniatutu .. .. .	Rotorua ..	" ..	65 0 6



TABLE No. 4—*continued.*  
STATEMENT showing the NET EXPENDITURE ON ROADS, &c.—*continued.*

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure.
		BACKBLOCKS ROADS, ETC.— <i>continued.</i>			
		TAURANGA ROAD DISTRICT— <i>continued.</i>			
110	245	Opouriao Valley Road to Wainui and Mata- orie Landing	Whakatane ..	Bay of Plenty ..	£ s. d. 185 0 0
	246	Pikowai North .. .. .	" ..	" ..	5 8 0
	247	Pikowai South .. .. .	Rotorua ..	" ..	147 13 9
	248	Pongakawa to Lake Rotoehu .. .. .	Rotorua and Tau- ranga ..	" ..	75 12 11
	250	Rangiuru to Mangorewa Gorge .. .. .	Ditto ..	" ..	100 10 10
	251	Ross Road .. .. .	Whakatane ..	" ..	23 9 0
	252	Ruatahuna to Waikaremoana .. .. .	" ..	" ..	744 19 5
	254	Stanley Road to Opouriao, via Section 348, Waimana Parish .. .. .	" ..	" ..	4 11 0
	257	Whirinaki Valley Road .. .. .	East Taupo and Rotorua ..	" ..	55 15 0
	258	Supervision .. .. .	" ..	" ..	617 12 7
		Total—Tauranga .. .. .			5,233 6 10
		GISBORNE ROAD DISTRICT—			
	260	Appleton Road .. .. .	Opotiki ..	Bay of Plenty ..	75 11 0
	261	Armstrong Road .. .. .	Waikohu ..	" ..	139 0 3
	263	Fraser Road .. .. .	" ..	" ..	50 0 0
	264	Haupoto .. .. .	Opotiki and Waiapu ..	" ..	50 0 0
	267	Kowhai .. .. .	Opotiki ..	" ..	88 9 5
	269	Mata River to Waitahaia .. .. .	Waiapu ..	" ..	138 15 0
	270	Matawai to Motu (Neill Road) .. .. .	Waikohu ..	" ..	896 7 4
	271	Motu River Bridge (Moanui Road), (Upper Crossing) .. .. .	" ..	" ..	64 18 9
	272	Omaukuru .. .. .	Opotiki ..	" ..	232 3 6
	274	Opato .. .. .	" ..	" ..	230 8 6
	275	Opotiki to Motu .. .. .	" ..	" ..	2,685 15 6
	276	Pakihi .. .. .	" ..	" ..	3,065 19 6
	278	Philp Road .. .. .	" ..	" ..	100 0 0
	279	Ruatuna to Ohiwa Landing .. .. .	" ..	" ..	83 2 3
	280	Tapuwaeroa Valley .. .. .	Waiapu ..	" ..	100 0 0
	281	Te Araroa to Te Awatere .. .. .	" ..	" ..	71 0 0
	283	Tutaetoko .. .. .	Opotiki ..	" ..	467 18 8
	287	Waiapu Inland (Waikohu County Section) ..	Waikohu ..	" ..	285 0 0
	288	Waiaua Block access .. .. .	Opotiki ..	" ..	250 0 0
	289	Waiawa to Hawaii .. .. .	" ..	" ..	392 9 0
	290	Waimata to Waiapu Inland Road (Todd's)	Cook ..	" ..	100 0 0
	293	Waoeka River Bridge (Upper), (Waoeka River Main Road) .. .. .	Opotiki ..	" ..	165 6 0
	294	Waoeka River Bridge (Upper), (Okuraata Crossing) .. .. .	" ..	" ..	503 6 6
	295	Waoeka River to Matawai .. .. .	" ..	" ..	1,003 3 11
	298	Whinray .. .. .	" ..	" ..	100 0 0
	299	Whitikau Block to Pakihi Road .. .. .	" ..	" ..	3 0 0
	300	Wilton Road .. .. .	" ..	" ..	199 17 0
	301	Gisborne to Rotorua (Stock) .. .. .	Cook and Waikohu ..	Gisborne ..	90 13 7
	304	Mangapoike Valley (east end) .. .. .	Cook and Wairoa ..	" ..	29 13 6
	305	Mangapoike River Bridge (Nos. 1 and 2) ..	Cook ..	" ..	528 17 6
	306	Mangapoike Valley (west end) .. .. .	Wairoa ..	" ..	2,828 2 5
	308	Mutuera .. .. .	Waikohu ..	" ..	300 0 0
	309	Waikati .. .. .	Wairoa ..	" ..	214 19 11
	314	Kokahu .. .. .	" ..	Hawke's Bay ..	75 8 7
	315	Mangarewarewa .. .. .	" ..	" ..	108 19 0
	316	Matukuhia .. .. .	" ..	" ..	0 12 0
	317	Ruakituri River Bridge (Boothman's) ..	" ..	" ..	1,567 15 5
	319	Waikaremoana S.D. (access to Run 79) ..	" ..	" ..	116 0 0
	321	Supervision .. .. .	" ..	" ..	814 1 10
	322	Miscellaneous works and services, including assistance towards the construction of roads, bridges, tracks, &c. .. .. .	" ..	" ..	92 2 10
		Total—Gisborne .. .. .			18,308 18 8
		TE KUITI ROAD DISTRICT—			
	323	Arapae (widening) .. .. .	Waitomo ..	Taumarunui ..	266 0 0
	328	Huhatahi .. .. .	Ohura ..	" ..	89 4 11
	329	Kaeaeae .. .. .	Waitomo ..	" ..	98 9 3
	330	Kaikara .. .. .	Ohura ..	" ..	18 18 0
	331	Kakahi .. .. .	" ..	" ..	45 9 4
	333	Kakahi Stream Bridge .. .. .	" ..	" ..	113 8 3
	334	Kohua .. .. .	Waitomo ..	" ..	13 5 6
	335	Kopuha .. .. .	Ohura ..	" ..	38 10 4
	337	Kururau .. .. .	" ..	" ..	311 13 2
	338	Kururau Stream Bridge .. .. .	" ..	" ..	Cr. 30 0 0
	339	Makaihikatoa .. .. .	" ..	" ..	44 7 8

TABLE NO. 4—*continued.*  
STATEMENT showing the NET EXPENDITURE ON ROADS, &c.—*continued.*

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure.
		BACKBLOCKS ROADS, ETC.— <i>continued.</i>			
		TE KUITI ROAD DISTRICT— <i>continued.</i>			£ s. d.
110	342	Mangaotaki to Mairoa .. .. .	Waitomo .. .. .	Taumarunui .. .. .	156 3 3
	344	Mangapapa .. .. .	Ohura .. .. .	" .. .. .	294 8 11
	350	Mokauiti .. .. .	Waitomo .. .. .	" .. .. .	45 3 1
	353	Ohura River Bridge (Mangapapa Road) .. .. .	Ohura .. .. .	" .. .. .	31 1 10
	354	Ohura (North of Paparata Saddle) .. .. .	" .. .. .	" .. .. .	1,918 16 7
	355	Opatu Block (access) .. .. .	" .. .. .	" .. .. .	204 6 0
	357	Opetea .. .. .	" .. .. .	" .. .. .	65 3 10
	361	Otunui South .. .. .	" .. .. .	" .. .. .	66 1 3
	366	Paraheka .. .. .	Waitomo .. .. .	" .. .. .	136 11 8
	367	Paraketu .. .. .	Ohura .. .. .	" .. .. .	126 11 0
	369	Pirere .. .. .	" .. .. .	" .. .. .	144 4 5
	371	Pongahuru Stream Bridge .. .. .	" .. .. .	" .. .. .	150 0 0
	374	Roto .. .. .	" .. .. .	" .. .. .	129 13 10
	376	Ryan Road .. .. .	" .. .. .	" .. .. .	92 14 10
	378	Te Kuiti to Mokau (east of Mangaotaki) .. .. .	Waitomo .. .. .	" .. .. .	1,939 8 1
	379	Tokirima Road to Wanganui River .. .. .	Ohura .. .. .	" .. .. .	170 8 2
	380	Turoto .. .. .	" .. .. .	" .. .. .	152 0 7
	381	Waikaka .. .. .	" .. .. .	" .. .. .	387 2 3
	383	Waipawa .. .. .	Waitomo .. .. .	" .. .. .	204 11 5
	386	Waitawhena .. .. .	Ohura and Waitomo .. .. .	" .. .. .	1,264 11 1
	387	Waitawhena Road bridges .. .. .	Ditto .. .. .	" .. .. .	559 0 9
	390	Supervision .. .. .	" .. .. .	" .. .. .	708 4 4
		Total—Te Kuiti .. .. .			9,955 13 7
		NEW PLYMOUTH ROAD DISTRICT—			
	392	Awakino Valley (Lower) (on account of £5,000) .. .. .	Awakino .. .. .	Taumarunui .. .. .	1,442 10 8
	393	Awakino Valley (Upper) .. .. .	" .. .. .	" .. .. .	585 9 11
	394	Kairimu .. .. .	" .. .. .	" .. .. .	131 12 6
	395	Kiritehere (on account of £3,000) .. .. .	" .. .. .	" .. .. .	618 2 9
	396	Kiritehere bridges .. .. .	" .. .. .	" .. .. .	144 12 4
	397	Kiwi .. .. .	Clifton .. .. .	" .. .. .	1,738 17 8
	398	Kohuratahi .. .. .	Whangamomona .. .. .	" .. .. .	31 12 6
	399	Mahoenui to Totoro .. .. .	Awakino .. .. .	" .. .. .	217 11 6
	400	Mangakokopu .. .. .	" .. .. .	" .. .. .	199 2 1
	401	Manganui (on account of £5,000) .. .. .	" .. .. .	" .. .. .	1,043 0 1
	402	Mangaotaki Valley (Upper) .. .. .	" .. .. .	" .. .. .	125 6 3
	404	Mangapohue .. .. .	Kawhia, Awakino, and Waitomo .. .. .	" .. .. .	665 14 1
	405	Mangatoro .. .. .	Clifton .. .. .	" .. .. .	275 0 0
	406	Marokopa River to Mahoenui .. .. .	Awakino .. .. .	" .. .. .	698 5 11
	407	Marokopa Valley .. .. .	Awakino and Kawhia .. .. .	" .. .. .	881 9 6
	408	Moki .. .. .	Clifton .. .. .	" .. .. .	2,232 0 3
	409	Moki Stream Bridge (on account of £800) .. .. .	" .. .. .	" .. .. .	128 17 2
	410	Ohura (south of Paparata Saddle) .. .. .	Clifton, Whangamomona, and Stratford .. .. .	" .. .. .	2,359 17 7
	411	Papakino .. .. .	Clifton .. .. .	" .. .. .	397 11 3
	412	Pomorangi .. .. .	Awakino .. .. .	" .. .. .	162 9 6
	413	Rerekino .. .. .	Clifton .. .. .	" .. .. .	763 7 11
	414	Tangarakau River Bridge (top crossing) .. .. .	Ohura .. .. .	" .. .. .	73 5 9
	415	Tangitu .. .. .	Clifton .. .. .	" .. .. .	399 2 0
	416	Te Kuiti to Mokau (west of Mangaotaki) .. .. .	Awakino .. .. .	" .. .. .	901 5 0
	417	Tongaporutu to Mangaroa (west of Kotare Stream) .. .. .	Clifton .. .. .	" .. .. .	577 12 11
	418	Waikawau .. .. .	Awakino .. .. .	" .. .. .	212 4 0
	420	Whakahau .. .. .	" .. .. .	" .. .. .	220 18 11
	421	Carrington .. .. .	Taranaki .. .. .	Taranaki .. .. .	4 6 6
	422	Rawhitiroa .. .. .	Eltham .. .. .	Egmont .. .. .	374 11 9
	423	Tangahoe (Whareroa to Rehu Village) .. .. .	Hawera .. .. .	" .. .. .	441 0 9
	424	Whenuakura Valley .. .. .	Eltham and Hawera .. .. .	" .. .. .	532 1 10
	425	Manga .. .. .	Stratford .. .. .	Stratford .. .. .	1,042 7 2
	426	Mangaopa (Junction Road to Mohakau Road) .. .. .	" .. .. .	" .. .. .	930 12 0
	427	Mangaowata .. .. .	Whangamomona .. .. .	" .. .. .	648 16 11
	428	Mangare .. .. .	" .. .. .	" .. .. .	684 2 1
	429	Marco .. .. .	" .. .. .	" .. .. .	385 11 5
	430	Matau River bridges (on account of £1,400) .. .. .	Clifton .. .. .	" .. .. .	8 4 6
	431	Matau Township to Mangaopa Road .. .. .	" .. .. .	" .. .. .	145 5 0
	432	Poarangi .. .. .	Whangamomona .. .. .	" .. .. .	91 6 4
	433	Punewhakahau Road to Raoraomuku Block (on account of £4,000) .. .. .	Whangamomona, Stratford, and Patea .. .. .	" .. .. .	1,177 8 1
	434	Putikituna .. .. .	Whangamomona .. .. .	" .. .. .	234 13 8
	435	Whangamomona to Wanganui River (on account of £5,000) .. .. .	" .. .. .	" .. .. .	2,872 5 5

TABLE NO. 4—continued.

STATEMENT showing the NET EXPENDITURE ON ROADS, &amp;c.—continued.

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure
					£ s. d.
		<b>BACKBLOCKS ROADS, ETC.—continued.</b>			
		<b>NEW PLYMOUTH ROAD DISTRICT—continued.</b>			
110	436	Ahoroa .. .. .	Patea .. .. .	Patea .. .. .	1,430 18 11
	437	Tawhiti Stream Bridge .. .. .	" .. .. .	" .. .. .	96 7 3
	438	Waitotara Valley Road .. .. .	" .. .. .	" .. .. .	150 0 0
	440	Supervision .. .. .	" .. .. .	" .. .. .	828 19 1
	441	Miscellaneous works and services, including assistance towards the construction of roads, bridges, tracks, &c. .. .. .	" .. .. .	" .. .. .	144 6 0
		<b>Total—New Plymouth</b> .. .. .			<b>29,450 4 8</b>
		<b>WANGANUI ROAD DISTRICT—</b>			
	442	Cross Road (Upper) .. .. .	Waimarino .. .. .	Waimarino .. .. .	99 19 0
	443	Eherua .. .. .	" .. .. .	" .. .. .	31 0 0
	444	Horopito .. .. .	" .. .. .	" .. .. .	28 3 7
	445	Kaimatawi .. .. .	Wanganui .. .. .	" .. .. .	127 14 4
	446	Karioi to Rangiwaea .. .. .	Waimarino .. .. .	" .. .. .	26 14 0
	447	Kawautahi .. .. .	Kaitieke .. .. .	" .. .. .	134 16 7
	448	Kokakonui .. .. .	" .. .. .	" .. .. .	167 7 2
	449	Kokakoriki .. .. .	" .. .. .	" .. .. .	112 19 0
	451	Mangaetoroa .. .. .	Waimarino .. .. .	" .. .. .	200 0 0
	452	Mangahoe .. .. .	Kaitieke .. .. .	" .. .. .	206 4 8
	453	Mangahowhi .. .. .	Wanganui .. .. .	" .. .. .	159 11 8
	454	Mangahowhi Stream Bridge .. .. .	" .. .. .	" .. .. .	14 7 6
	455	Mangamahu to Turakina Creek .. .. .	Rangitikei and Wanganui .. .. .	" .. .. .	300 0 0
	456	Manganui-o-te-ao .. .. .	Waimarino .. .. .	" .. .. .	125 2 8
	457	Mangaohutu .. .. .	Kaitieke .. .. .	" .. .. .	203 12 0
	459	Mangaturuturu .. .. .	Waimarino .. .. .	" .. .. .	12 0 0
	460	Mason's to Raetihi .. .. .	Wanganui and Waimarino .. .. .	" .. .. .	2,945 16 5
	461	Motete .. .. .	Waimarino .. .. .	" .. .. .	159 9 0
	462	Murumuru .. .. .	" .. .. .	" .. .. .	241 4 10
	464	Otautu .. .. .	" .. .. .	" .. .. .	93 5 11
	465	Owhakura .. .. .	Wanganui .. .. .	" .. .. .	270 0 0
	466	Owhango .. .. .	Kaitieke .. .. .	" .. .. .	16 2 2
	467	Patua .. .. .	" .. .. .	" .. .. .	157 18 10
	468	Pipipi .. .. .	Waimarino .. .. .	" .. .. .	61 16 0
	469	Pitangi .. .. .	Wanganui .. .. .	" .. .. .	49 2 11
	470	Pukekaha .. .. .	Waimarino .. .. .	" .. .. .	41 5 1
	471	Raetihi to Ohura .. .. .	" .. .. .	" .. .. .	18 14 6
	472	Ratamaire .. .. .	" .. .. .	" .. .. .	200 0 0
	473	Raupiu .. .. .	Wanganui .. .. .	" .. .. .	255 18 9
	474	Retaruke .. .. .	Kaitieke .. .. .	" .. .. .	156 8 4
	475	Retaruke Valley .. .. .	" .. .. .	" .. .. .	119 3 6
	476	Retaruke Valley (Upper) .. .. .	" .. .. .	" .. .. .	62 19 0
	477	Te Komai .. .. .	Wanganui .. .. .	" .. .. .	410 16 0
	478	Te Rata .. .. .	Kaitieke .. .. .	" .. .. .	98 13 11
	480	Turakina Valley .. .. .	Rangitikei .. .. .	" .. .. .	195 9 11
	481	Waiaruhe .. .. .	Wanganui .. .. .	" .. .. .	226 13 4
	482	Waikato Bridge (Tokaanu) .. .. .	East Taupo .. .. .	" .. .. .	1,235 7 9
	484	Wanganui River Road (Left Bank) .. .. .	Wanganui and Waimarino .. .. .	" .. .. .	249 11 5
	486	Christie Road Bridge .. .. .	Waitotara .. .. .	Patea .. .. .	28 3 2
	487	Makakaho (Upper Waitotara) .. .. .	Patea .. .. .	" .. .. .	1,402 18 11
	488	Puao .. .. .	" .. .. .	" .. .. .	183 0 0
	489	Purarato Road .. .. .	" .. .. .	" .. .. .	314 4 3
	490	Taunoka Road .. .. .	Waitotara .. .. .	" .. .. .	35 19 5
	493	Papaki .. .. .	Rangitikei .. .. .	Oroua .. .. .	100 0 0
	494	Supervision .. .. .	" .. .. .	" .. .. .	889 10 4
	495	Miscellaneous works and services, including assistance towards the construction of roads, bridges, tracks, &c. .. .. .	" .. .. .	" .. .. .	31 1 3
		<b>Total—Wanganui</b> .. .. .			<b>12,200 7 1</b>
		<b>NAPIER ROAD DISTRICT—</b>			
	497	Puanui .. .. .	Wairoa .. .. .	Hawke's Bay .. .. .	109 3 9
	499	Rukumoana to Richmond Road .. .. .	Hawke's Bay .. .. .	" .. .. .	150 0 0
	501	Miscellaneous works and services, including assistance towards the construction of roads, bridges, tracks, &c. .. .. .	" .. .. .	" .. .. .	24 16 4
		<b>Total—Napier</b> .. .. .			<b>284 0 1</b>
		<b>WELLINGTON ROAD DISTRICT—</b>			
	502	Piripiri Block .. .. .	Dannevirke .. .. .	Waipawa .. .. .	0 13 0
	504	Conspicuous Road .. .. .	Kiwitea .. .. .	Oroua .. .. .	19 18 3
	506	Kew .. .. .	" .. .. .	" .. .. .	42 18 6
	507	Makino Road .. .. .	Rangitikei .. .. .	" .. .. .	157 10 0
	508	Makopua .. .. .	" .. .. .	" .. .. .	229 2 0

TABLE NO. 4—*continued.*  
STATEMENT showing the NET EXPENDITURE ON ROADS, &c.—*continued.*

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure.	
		<b>BACKBLOCKS ROADS, ETC.—<i>continued.</i></b>				
		<b>WELLINGTON ROAD DISTRICT—<i>continued.</i></b>				
110	511	Pourangaki .. .. .	Kiwitea .. .. .	Oroua .. .. .	£	s. d.
	512	Titirangi .. .. .	" .. .. .	" .. .. .	29	5 0
	514	Birch Road .. .. .	Weber and Patangata .. .. .	Pahiatua .. .. .	154	6 3
	515	Mangapuaka (North of Tunakore Bridge) .. .. .	Dannevirke .. .. .	" .. .. .	109	16 0
	517	Maunga Road (extension towards Otanga) .. .. .	" .. .. .	" .. .. .	225	0 0
	518	Range Road (South) .. .. .	Akitio .. .. .	" .. .. .	132	12 0
	520	Tunakore Bridge .. .. .	Dannevirke .. .. .	" .. .. .	40	19 9
	522	Makoura .. .. .	Akitio and Masterton .. .. .	Masterton .. .. .	222	15 3
	524	Spur Road .. .. .	Akitio .. .. .	" .. .. .	217	15 2
	525	Sugar-loaf Road .. .. .	" .. .. .	" .. .. .	264	10 5
	526	Waiokura .. .. .	" .. .. .	" .. .. .	331	6 0
	527	Waiowaka .. .. .	" .. .. .	" .. .. .	159	10 0
	528	Waiowaka Stream Bridge and approaches .. .. .	" .. .. .	" .. .. .	90	12 2
	530	Pakowai (Anderson's, towards Tinui - Pakowai Road) .. .. .	Castlepoint .. .. .	Wairarapa .. .. .	440	8 2
	534	Waikanae to Upper Hutt .. .. .	Hutt .. .. .	Otaki .. .. .	346	14 9
	536	Supervision .. .. .	" .. .. .	" .. .. .	425	5 3
		<b>Total—Wellington .. .. .</b>			<b>720</b>	<b>6 3</b>
					<b>4,361</b>	<b>4 2</b>
		<b>NELSON ROAD DISTRICT—</b>				
	538	Deep Bay to Section 4, Block XII, French Pass S.D. .. .. .	Sounds .. .. .	Nelson .. .. .	6	7 6
	539	Miner River Road .. .. .	Waimea .. .. .	" .. .. .	218	14 10
	540	Serpentine River Road .. .. .	" .. .. .	" .. .. .	149	4 9
	541	Alexander Bluff Road .. .. .	" .. .. .	Motueka .. .. .	284	18 4
	543	Awaiti to Marahau .. .. .	Takaka and Waimea .. .. .	" .. .. .	77	19 7
	546	Baton Valley Road .. .. .	Waimea .. .. .	" .. .. .	75	0 0
	547	Belgrove to Tarndale, via Tophouse .. .. .	Waimea and Amuri .. .. .	" .. .. .	100	0 0
	549	Big Pokororo River Road .. .. .	Waimea .. .. .	" .. .. .	200	0 0
	550	Bowron Road .. .. .	" .. .. .	" .. .. .	9	16 0
	552	Carlson Road .. .. .	" .. .. .	" .. .. .	97	16 0
	555	Clarke River Road .. .. .	" .. .. .	" .. .. .	85	16 0
	558	Franklyn Road .. .. .	" .. .. .	" .. .. .	14	5 6
	559	Goat Creek Road (Graham River) .. .. .	" .. .. .	" .. .. .	150	0 0
	560	Goat Creek Road (Pearse River) .. .. .	" .. .. .	" .. .. .	182	16 6
	561	Graham Valley Road (right-hand branch) .. .. .	" .. .. .	" .. .. .	199	18 0
	563	Handcock's to Wainui .. .. .	Takaka .. .. .	" .. .. .	65	0 0
	565	Ironstone Creek Road .. .. .	" .. .. .	" .. .. .	27	0 0
	569	Kill Devil Track .. .. .	" .. .. .	" .. .. .	200	0 0
	570	Kohaihai to Heaphy .. .. .	Collingwood .. .. .	" .. .. .	79	18 0
	571	Kokako .. .. .	Waimea .. .. .	" .. .. .	128	7 9
	572	Lee Valley .. .. .	" .. .. .	" .. .. .	173	16 8
	573	Mangarakau .. .. .	Collingwood .. .. .	" .. .. .	112	10 0
	574	Manu Railway-station to Sherry River Forks .. .. .	Waimea .. .. .	" .. .. .	229	12 4
	576	Motupiko River Bridge (Korere) .. .. .	" .. .. .	" .. .. .	600	0 0
	578	Pearse Valley .. .. .	" .. .. .	" .. .. .	210	0 0
	580	Pohara to Awaroa .. .. .	Takaka .. .. .	" .. .. .	8	0 0
	583	Scott Creek Road .. .. .	" .. .. .	" .. .. .	50	0 0
	585	Tadmor to Baton .. .. .	Waimea .. .. .	" .. .. .	100	0 0
	588	Wairoa River Road (left branch) .. .. .	" .. .. .	" .. .. .	36	0 0
	589	Wangapeka River Bridge .. .. .	" .. .. .	" .. .. .	287	6 5
	591	Wangapeka Settlement (Sherry Road) .. .. .	" .. .. .	" .. .. .	250	0 0
	593	Blackwater Bridge .. .. .	Murchison .. .. .	Buller .. .. .	514	11 0
	594	Buller River Bridge (Gowan Road), (on account of £1,500) .. .. .	" .. .. .	" .. .. .	7	4 3
	595	Flat Creek Road .. .. .	" .. .. .	" .. .. .	14	0 9
	596	Glencairn to Maruia North Block .. .. .	" .. .. .	" .. .. .	106	14 9
	597	Glengarry .. .. .	" .. .. .	" .. .. .	194	14 6
	603	Lester Bank deviation .. .. .	" .. .. .	" .. .. .	247	1 9
	605	Mangles River bridges .. .. .	" .. .. .	" .. .. .	318	17 0
	606	Maruia River Bridge and approaches (Maruia River Road) .. .. .	" .. .. .	" .. .. .	91	10 0
	608	Maruia River Road (West Bank) .. .. .	" .. .. .	" .. .. .	409	0 6
	610	Maruia South Road .. .. .	" .. .. .	" .. .. .	41	10 0
	611	Maruia Valley .. .. .	" .. .. .	" .. .. .	117	3 10
	612	Maruia, via Caslani's .. .. .	" .. .. .	" .. .. .	256	5 3
	613	Matakitaki River Road (West Bank) .. .. .	" .. .. .	" .. .. .	89	9 0
	614	Matakitaki River Bridge (Taylor's) .. .. .	" .. .. .	" .. .. .	463	10 4
	615	Matakitaki Valley Road .. .. .	" .. .. .	" .. .. .	442	7 10
	616	Matiri River Road (East Bank) .. .. .	" .. .. .	" .. .. .	62	5 6
	617	Matiri River Road (West Bank) .. .. .	" .. .. .	" .. .. .	40	5 1
	620	Nuggety Creek .. .. .	" .. .. .	" .. .. .	170	3 2
	621	O'Donnell Road .. .. .	" .. .. .	" .. .. .	43	10 0
	624	Pea Soup Creek Bridge .. .. .	" .. .. .	" .. .. .	318	1 0
	626	Rotoiti Lake Road (East Road) .. .. .	" .. .. .	" .. .. .	144	2 1

TABLE NO. 4—continued.

STATEMENT showing the NET EXPENDITURE on ROADS, &amp;c.—continued.

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure.
		<b>BACKBLOCKS ROADS, ETC.—continued.</b>			
		<b>NELSON ROAD DISTRICT—continued.</b>			£ s. d.
110	628	Sheep Pens to Rehu Saddle .. ..	Murchison ..	Buller ..	90 10 0
	629	Slips Road .. ..	" ..	" ..	120 0 0
	630	Taylor Creek Road .. ..	" ..	" ..	16 1 0
	635	Valley Creek Road extension .. ..	" ..	" ..	63 18 0
	638	Whale Creek Road .. ..	" ..	" ..	79 11 3
	639	Supervision .. ..	" ..	" ..	570 9 7
	640	Miscellaneous works and services, including assistance towards the construction of roads, bridges, tracks, &c.	" ..	" ..	25 0 0
		<b>Total—Nelson .. ..</b>			<b>9,468 1 7</b>
		<b>BLenheim ROAD DISTRICT—</b>			
	643	Ronga Valley .. ..	Marlborough ..	Nelson ..	26 18 0
	644	Tinline Road .. ..	" ..	" ..	1 7 0
	646	Bartlett Creek Road .. ..	" ..	Wairau ..	100 0 0
	651	Kenepuru to Endeavour Inlet .. ..	Sounds ..	" ..	45 8 7
	652	Mahau Sound .. ..	" ..	" ..	84 9 6
	656	Rock Ferry to Bartlett Creek .. ..	Marlborough ..	" ..	149 19 0
	659	Ure to Clarence .. ..	Awatere ..	" ..	149 19 9
	662	Hundalee Road (Oaro) .. ..	Kaikoura ..	Hurunui ..	250 0 0
	663	Kahautara Bluff .. ..	" ..	" ..	775 4 6
	664	Kahautara River Bridge .. ..	" ..	" ..	5 7 6
	665	Kahautara to Conway (Hundalee) .. ..	" ..	" ..	200 0 0
	666	Old Mill Road (Hapuku) .. ..	" ..	" ..	50 0 0
	670	Spey roads .. ..	" ..	" ..	100 0 0
	672	Supervision .. ..	" ..	" ..	152 2 0
	673	Miscellaneous works and services, including assistance towards the construction of roads, bridges, tracks, &c.	" ..	" ..	0 15 9
		<b>Total—Blenheim .. ..</b>			<b>2,091 11 7</b>
		<b>WESTPORT ROAD DISTRICT—</b>			
	674	Blackwater and Granity Creek bridges ..	Buller ..	Motueka ..	57 6 8
	675	Caliori Road (Little Wanganui) .. ..	" ..	" ..	150 0 0
	676	Collingwood—Heaphy Track to Karamea ..	" ..	" ..	158 15 0
	677	Little Wanganui to Glasseye .. ..	" ..	" ..	415 2 2
	678	Little Wanganui to Karamea .. ..	" ..	" ..	73 0 0
	679	Mokihinui to Little Wanganui .. ..	" ..	" ..	2,193 1 11
	680	Mokihinui River Bridge approaches .. ..	" ..	" ..	211 7 3
	681	Six-mile Valley Road .. ..	" ..	" ..	96 10 0
	682	Young Road .. ..	" ..	" ..	80 0 0
	685	Supervision .. ..	" ..	" ..	304 8 6
	686	Miscellaneous works and services, including assistance towards the construction of roads, bridges, tracks, &c.	" ..	" ..	5 0 0
		<b>Total—Westport .. ..</b>			<b>3,744 11 6</b>
		<b>GREYMOUTH ROAD DISTRICT—</b>			
	687	Coal Creek Bridge .. ..	Inangahua ..	Buller ..	301 13 10
	688	Coal Creek Road .. ..	" ..	" ..	244 0 0
	691	Inangahua River Suspension-bridge .. ..	" ..	" ..	233 4 0
	692	Landing Creek Road .. ..	" ..	" ..	250 0 0
	693	Lyell Road to Brown Creek .. ..	" ..	" ..	198 12 8
	694	Barrytown to Brighton .. ..	Grey ..	Grey ..	66 15 0
	695	Barrytown to Punakaiki .. ..	" ..	" ..	197 0 0
	696	Big River .. ..	" ..	" ..	93 0 0
	697	Lawson's Creek Bridge .. ..	" ..	" ..	350 0 0
	699	Porarari .. ..	" ..	" ..	437 10 0
	700	Punakaiki .. ..	" ..	" ..	228 10 0
	701	Punakaiki Foot-bridge .. ..	" ..	" ..	68 14 8
	702	Rough River Road .. ..	" ..	" ..	365 0 0
	704	Arawata to Cascade .. ..	Westland ..	Westland ..	75 9 11
	705	Arawata to Barn Bay .. ..	" ..	" ..	150 0 0
	706	Bell Hill to Haupiri .. ..	Grey ..	" ..	10 0 0
	707	Bruce Bay Road .. ..	Westland ..	" ..	60 0 0
	708	Cameron's Terrace Road .. ..	Grey ..	" ..	36 0 0
	709	Cook River to Karangarua .. ..	Westland ..	" ..	232 11 6
	712	Gibb Road .. ..	" ..	" ..	19 12 0
	713	Haast Pass Track .. ..	" ..	" ..	7 13 4
	715	Happy Valley Track .. ..	" ..	" ..	150 0 0
	716	Harris Road .. ..	Grey ..	" ..	54 16 3
	717	Hatters to Haupiri .. ..	" ..	" ..	271 0 0
	718	Hermitage to Copland Track .. ..	Mackenzie and Westland ..	" ..	899 7 8
	720	Jacob's to Mahitahi Road .. ..	Westland ..	" ..	2 10 6
	721	Kokatahi (Upper) to Doughboy .. ..	" ..	" ..	200 18 6

TABLE NO. 4—continued.  
STATEMENT showing the NET EXPENDITURE ON ROADS, &c.—continued.

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure.
		<b>BACKBLOCKS ROADS, ETC.—continued.</b>			
		<b>GREYMOUTH ROAD DISTRICT—continued.</b>			£ s. d.
110	722	Kokiri to Moana .. .. .	Grey .. .. .	Westland .. .. .	217 15 0
	723	Kotuku to Moana .. .. .	" .. .. .	" .. .. .	38 10 0
	724	Kotuku .. .. .	" .. .. .	" .. .. .	239 0 1
	725	La Fontaine Road and extension .. .. .	Westland .. .. .	" .. .. .	179 8 7
	728	Murray Creek Bridge .. .. .	" .. .. .	" .. .. .	250 0 0
	729	Omoeroa to Waikupua .. .. .	" .. .. .	" .. .. .	601 16 0
	730	Peterson Road and extension .. .. .	" .. .. .	" .. .. .	92 14 0
	733	Roto Road Bridge .. .. .	" .. .. .	" .. .. .	100 0 0
	735	Stout Creek Bridge .. .. .	" .. .. .	" .. .. .	55 16 0
	741	Waitaha Settlement extension .. .. .	" .. .. .	" .. .. .	214 18 9
	742	Wall Road extension .. .. .	" .. .. .	" .. .. .	207 5 6
	743	Walsh Track (Cook River) .. .. .	" .. .. .	" .. .. .	98 0 0
	744	Wataroa Flat Road (widening) .. .. .	" .. .. .	" .. .. .	287 17 0
	745	Whale Road .. .. .	" .. .. .	" .. .. .	135 3 0
	746	Supervision .. .. .	" .. .. .	" .. .. .	474 13 10
	747	Miscellaneous works and services, including assistance towards the construction of roads, bridges, tracks, &c. .. .. .	" .. .. .	" .. .. .	69 2 6
		<b>Total—Greymouth</b> .. .. .			<b>8,515 19 7</b>
		<b>CHRISTCHURCH ROAD DISTRICT—</b>			
	748	Ashley Gorge Road .. .. .	Oxford and Ashley .. .. .	Hurunui .. .. .	1,116 3 0
	749	Conway Gorge Road .. .. .	Cheviot .. .. .	" .. .. .	708 10 8
	750	Hooker River Bridge and approaches .. .. .	Mackenzie .. .. .	Temuka .. .. .	623 14 7
	754	Lake Tekapo to Omarama .. .. .	" .. .. .	" .. .. .	96 15 0
	755	Opawa Bridge .. .. .	" .. .. .	" .. .. .	114 0 0
	756	Pukaki to Mount Cook .. .. .	" .. .. .	" .. .. .	513 19 5
	757	Supervision .. .. .	" .. .. .	" .. .. .	60 5 0
		<b>Total—Christchurch</b> .. .. .			<b>3,233 7 8</b>
		<b>DUNEDIN ROAD DISTRICT—</b>			
	759	Fuchsia Creek Road .. .. .	Waitaki .. .. .	Waitaki .. .. .	300 0 0
	760	Gardner Road .. .. .	" .. .. .	" .. .. .	138 17 4
	764	Bagdad Road to Peaks .. .. .	" .. .. .	Oamaru .. .. .	150 0 0
	765	Macraes to Hyde .. .. .	Waihemo .. .. .	" .. .. .	200 0 0
	766	Taieri Peak Road .. .. .	" .. .. .	" .. .. .	103 12 10
	769	Glade House to Lake Wakatipu .. .. .	Lake and Wallace .. .. .	Wakatipu .. .. .	220 15 1
	773	Pembroke to Glendhu .. .. .	Lake .. .. .	" .. .. .	100 0 0
	776	Routeburn Valley Road .. .. .	" .. .. .	" .. .. .	218 6 0
	779	Supervision .. .. .	" .. .. .	" .. .. .	210 5 6
	780	Miscellaneous works and services, including assistance towards the construction of roads, bridges, tracks, &c. .. .. .	" .. .. .	" .. .. .	154 0 0
		<b>Total—Dunedin</b> .. .. .			<b>1,795 16 9</b>
		<b>INVERCARGILL ROAD DISTRICT—</b>			
	782	Waikawa to Haldane .. .. .	Southland .. .. .	Clutha .. .. .	250 0 0
	783	Lake Hauroko Track .. .. .	Wallace .. .. .	Wallace .. .. .	42 12 2
	784	Lillburn to Hauroko .. .. .	" .. .. .	" .. .. .	1 5 0
	788	Round Hill to Pahia .. .. .	" .. .. .	" .. .. .	153 14 3
	789	Hodgson Road (Kapuka) .. .. .	Southland .. .. .	Mataura .. .. .	103 11 5
	792	Titipua to Brydone .. .. .	" .. .. .	" .. .. .	110 11 6
	793	Waimatua .. .. .	" .. .. .	" .. .. .	100 0 0
	794	Waimatua to Mokotua .. .. .	" .. .. .	" .. .. .	362 1 11
	795	Brown's to Settlers' Reserve .. .. .	" .. .. .	Awarua .. .. .	119 14 0
	800	Supervision .. .. .	" .. .. .	" .. .. .	154 16 0
		<b>Total—Invercargill</b> .. .. .			<b>1,398 6 3</b>
		<b>Vote No. 110—Total for 1912-13</b> .. .. .			<b>128,447 16 0</b>
		<b>ROADS TO OPEN UP CROWN LANDS.</b>			
		<b>WHANGAREI ROAD DISTRICT—</b>			
126	7	Pupuke Block .. .. .	Whangaroa .. .. .	Bay of Islands .. .. .	703 5 2
	11	Te Rore Block .. .. .	Mangonui .. .. .	" .. .. .	426 10 0
	13	Umuhawha Block .. .. .	Bay of Islands .. .. .	" .. .. .	1,165 17 4
	18	Whirinaki Block .. .. .	Hokianga .. .. .	" .. .. .	1,584 7 2
	19	Oue Block .. .. .	Whangarei .. .. .	Kaipara .. .. .	351 4 6
	21	Blocks not specifically provided for .. .. .	" .. .. .	" .. .. .	72 14 10
		<b>Total—Whangarei</b> .. .. .			<b>4,393 19 0</b>

TABLE NO. 4—*continued.*  
STATEMENT showing the NET EXPENDITURE ON ROADS, &c.—*continued.*

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure.
		<b>ROADS TO OPEN UP CROWN LANDS—</b> <i>continued.</i>			
		<b>AUCKLAND ROAD DISTRICT—</b>			£ s. d.
126	32	Roto Ngaro Block .. .. .	Raglan .. .. .	Raglan .. .. .	854 3 1
	35	Waimai Block .. .. .	" .. .. .	" .. .. .	1,668 12 6
	37	Kawaroa Block .. .. .	Kawhia .. .. .	Waikato .. .. .	144 4 10
	38	Korakonui Block .. .. .	West Taupo .. .. .	" .. .. .	162 18 10
	40	Oparau Block .. .. .	Kawhia .. .. .	" .. .. .	703 14 8
	42	Rotongata Block .. .. .	West Taupo .. .. .	" .. .. .	968 1 0
	43	Tokanui Block .. .. .	" .. .. .	" .. .. .	210 9 7
	47	Harihari Block .. .. .	Kawhia .. .. .	Taumarunui .. .. .	321 3 11
	54	Waihatawhata Block .. .. .	Waitomo .. .. .	" .. .. .	322 14 8
	55	Blocks not specifically provided for .. .. .	" .. .. .	" .. .. .	22 14 5
		<b>Total—Auckland</b> .. .. .			<b>5,378 17 6</b>
		<b>TAURANGA ROAD DISTRICT—</b>			
	56	Mangorewa-Kaharoa Block .. .. .	Rotorua .. .. .	Tauranga .. .. .	359 14 4
	60	Manawahe Block .. .. .	Whakatane and Rotorua .. .. .	Bay of Plenty .. .. .	1,785 6 5
	62	Tauhara Block .. .. .	East Taupo .. .. .	" .. .. .	53 7 0
	63	Waitahanui Block .. .. .	Rotorua .. .. .	" .. .. .	743 9 9
		<b>Total—Tauranga</b> .. .. .			<b>2,941 17 6</b>
		<b>GISBORNE ROAD DISTRICT—</b>			
	67	Ngatapa Block .. .. .	Waikohu .. .. .	Bay of Plenty .. .. .	1,794 2 10
	68	Oamaru No. 3 Block .. .. .	Opotiki .. .. .	" .. .. .	1,630 17 8
	69	Oamaru No. 4 Block .. .. .	" .. .. .	" .. .. .	377 0 2
	71	Tahora No. 2 North Block .. .. .	" .. .. .	" .. .. .	273 6 0
	74	Whitikau Block .. .. .	" .. .. .	" .. .. .	588 6 3
	75	Hangaroa Block .. .. .	Cook .. .. .	Gisborne .. .. .	124 6 3
	77	Waipaoa Block .. .. .	Wairoa .. .. .	Hawke's Bay .. .. .	48 4 1
		<b>Total—Gisborne</b> .. .. .			<b>4,836 3 3</b>
		<b>TE KUITI ROAD DISTRICT—</b>			
	79	Ararimu Block .. .. .	Ohura .. .. .	Taumarunui .. .. .	160 0 1
	86	Orekopa Block .. .. .	Waitomo .. .. .	" .. .. .	276 4 11
	88	Orongomai Block .. .. .	Ohura .. .. .	" .. .. .	3,512 1 0
	89	Tahuna Block .. .. .	Waitomo .. .. .	" .. .. .	521 12 11
		<b>Total—Te Kuiti</b> .. .. .			<b>4,469 18 11</b>
		<b>NEW PLYMOUTH ROAD DISTRICT—</b>			
	97	Papakauri Block .. .. .	Awakino .. .. .	Taumarunui .. .. .	48 19 0
	99	Taurakawa Block .. .. .	Stratford .. .. .	Stratford .. .. .	883 10 0
	101	Blocks not specifically provided for .. .. .	" .. .. .	" .. .. .	12 4 9
		<b>Total—New Plymouth</b> .. .. .			<b>944 13 9</b>
		<b>WANGANUI ROAD DISTRICT—</b>			
	108	Horopito West Block .. .. .	Waimarino .. .. .	Waimarino .. .. .	290 2 10
	109	Kaitieke Township Block .. .. .	Kaitieke .. .. .	" .. .. .	13 4 0
	110	Kakahi Village Settlement Block .. .. .	" .. .. .	" .. .. .	76 17 1
	112	Mangatiti Block .. .. .	Waimarino .. .. .	" .. .. .	1,954 11 1
	115	Morinui Block .. .. .	Kaitieke .. .. .	" .. .. .	747 13 3
	116	North Waimarino Block .. .. .	" .. .. .	" .. .. .	2,093 16 0
	118	Ohakune No. 2 Block .. .. .	Waimarino .. .. .	" .. .. .	162 13 8
	121	Owhango Township Extension No. 1 Block .. .. .	Kaitieke .. .. .	" .. .. .	92 17 3
	122	Rangataua Block .. .. .	Waimarino .. .. .	" .. .. .	156 7 7
	123	Riariaki Block .. .. .	Waimarino and Kaitieke .. .. .	" .. .. .	1,853 17 0
	124	Ruatiti Block .. .. .	Waimarino .. .. .	" .. .. .	2,487 16 9
	125	Taonui - Maraetaua - Punewhaka Block .. .. .	Wanganui .. .. .	" .. .. .	950 0 0
	128	Rangitatau Block .. .. .	Wanganui and Waitotara .. .. .	Patea .. .. .	3,969 1 7
	129	Whakaihūwaka Block .. .. .	Patea .. .. .	" .. .. .	370 14 2
	130	Blocks not specifically provided for .. .. .	" .. .. .	" .. .. .	64 15 3
		<b>Total—Wanganui</b> .. .. .			<b>15,284 7 6</b>

TABLE No. 4—*continued.*  
STATEMENT showing the NET EXPENDITURE ON ROADS, &c.—*continued.*

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure.
		<b>ROADS TO OPEN UP CROWN LANDS—</b> <i>continued.</i>			
		<b>NAPIER ROAD DISTRICT—</b>			£ s. d.
126	132	Makaretu Block .. .. .	Waipawa .. .. .	Waipawa .. .. .	154 2 6
	134	Manawaangi Block .. .. .	Patangata .. .. .	Pahiatua .. .. .	3,603 18 3
		<b>Total—Napier .. .. .</b>			<b>3,758 0 9</b>
		<b>WELLINGTON ROAD DISTRICT—</b>			
	136	Piripiri No. 1 Block .. .. .	Dannevirke .. .. .	Waipawa .. .. .	283 14 7
	137	Te Whitiatara Block .. .. .	" .. .. .	" .. .. .	851 3 9
	138	Awarua 1B Block .. .. .	Rangitikei .. .. .	Oroua .. .. .	170 14 5
	143	Kumeti Block .. .. .	Dannevirke .. .. .	Pahiatua .. .. .	168 19 8
	144	Makaretu Village Settlement Block .. .. .	Pahiatua .. .. .	" .. .. .	131 6 2
	147	Rokai Block .. .. .	Dannevirke .. .. .	" .. .. .	723 13 7
	152	Blocks not specifically provided for .. .. .	" .. .. .	" .. .. .	11 19 5
		<b>Total—Wellington .. .. .</b>			<b>2,341 11 7</b>
		<b>NELSON ROAD DISTRICT—</b>			
	153	Hope Block .. .. .	Waimea .. .. .	Motueka .. .. .	49 16 11
	155	Howard Block .. .. .	Murchison .. .. .	Buller .. .. .	294 12 11
	156	Mangles—Blackwater Block .. .. .	" .. .. .	" .. .. .	56 12 0
	159	Mid Maruia Block .. .. .	" .. .. .	" .. .. .	149 14 7
	161	Warwick Block .. .. .	" .. .. .	" .. .. .	89 5 9
	162	Blocks not specifically provided for .. .. .	" .. .. .	" .. .. .	74 7 1
		<b>Total—Nelson .. .. .</b>			<b>714 9 3</b>
		<b>BLenheim ROAD DISTRICT—</b>			
	164	Ronga Valley No. 2 Block .. .. .	Marlborough .. .. .	Nelson .. .. .	427 17 9
	167	Blue Mountain Block .. .. .	Awatere .. .. .	Wairau .. .. .	67 1 5
	169	Neutral Spur Block .. .. .	Marlborough .. .. .	" .. .. .	40 0 0
	170	Blocks not specifically provided for .. .. .	" .. .. .	" .. .. .	20 14 3
		<b>Total—Blenheim .. .. .</b>			<b>555 13 5</b>
		<b>WESTPORT ROAD DISTRICT—</b>			
	172	Otumahana Block .. .. .	Buller .. .. .	Motueka .. .. .	458 1 8
	173	Brighton No. 2 Block .. .. .	" .. .. .	Buller .. .. .	92 8 2
	175	Steeple Block .. .. .	" .. .. .	" .. .. .	5 15 0
	176	Blocks not specifically provided for .. .. .	" .. .. .	" .. .. .	6 10 0
		<b>Total—Westport .. .. .</b>			<b>562 14 10</b>
		<b>GREYMOOUTH ROAD DISTRICT—</b>			
	177	Inangahua Junction Block .. .. .	Inangahua .. .. .	Buller .. .. .	636 4 9
		<b>Total—Greymouth .. .. .</b>			<b>636 4 9</b>
		<b>INVERCARGILL ROAD DISTRICT—</b>			
	185	Alton No. 4 Block .. .. .	Wallace .. .. .	Wallace .. .. .	117 14 5
	186	Aparima No. 1 Block .. .. .	" .. .. .	" .. .. .	160 0 0
	189	Longwood No. 2 Block .. .. .	" .. .. .	" .. .. .	0 9 0
	192	Taunoa Block .. .. .	" .. .. .	" .. .. .	69 15 4
	195	Campbelltown Block .. .. .	Southland .. .. .	Mataura .. .. .	123 6 7
	197	Mabel No. 1 Block .. .. .	" .. .. .	" .. .. .	62 18 8
	199	Oteramika No. 1 Block .. .. .	" .. .. .	" .. .. .	322 3 2
	201	Forest Hill Block .. .. .	" .. .. .	Awarua .. .. .	162 0 0
	202	Spar Bush Block .. .. .	" .. .. .	" .. .. .	114 1 6
		<b>Total—Invercargill .. .. .</b>			<b>1,132 8 8</b>
		<b>Vote No. 126—Total for 1912-13..</b>			<b>47,951 0 8</b>



TABLE No. 4—continued.  
STATEMENT showing the NET EXPENDITURE ON ROADS, &c.—continued.

Vote No.	Item No.	Name of Work.	County.	Electorate.	Net Expenditure.
127	ROADS TO OPEN UP NATIONAL ENDOWMENT LANDS.				
	5	AUCKLAND ROAD DISTRICT— Huihuitaha Block .. .. .	West Taupo ..	Waikato ..	£ s. d. 126 16 0
		Total—Auckland .. .. .			126 16 0
	7	TAURANGA ROAD DISTRICT— Kaituna Block .. .. .	Rotorua ..	Bay of Plenty ..	150 3 9
		Total—Tauranga .. .. .			150 3 9
	14 15 16	TE KUITI ROAD DISTRICT— Iriwhata Block .. .. .	Ohura .. ..	Taumarunui ..	91 7 3
		Opatu Block .. .. .			613 15 9
		Otunui Block .. .. .			30 16 1
		Total—Te Kuiti .. .. .			735 19 1
	17	NEW PLYMOUTH ROAD DISTRICT— Mohakatino Block .. .. .	Clifton .. ..	Taumarunui ..	501 7 3
		Total—New Plymouth .. .. .			501 7 3
	20	WANGANUI ROAD DISTRICT— Tauakira No. 1 Block .. .. .	Wanganui ..	Waimarino ..	931 13 4
		Total—Wanganui .. .. .			931 13 4
	22 24 28	NELSON ROAD DISTRICT— Wangamoia Block .. .. .	Waimea .. ..	Nelson .. ..	1 5 0
		Lee River Extension Block .. .. .			92 8 4
		Matakitaki Block .. .. .			24 0 0
		Total—Nelson .. .. .			117 13 4
	33	GREYMOUTH ROAD DISTRICT— Kakapotahi Block .. .. .	Westland ..	Westland ..	125 0 0
		Total—Greymouth .. .. .			125 0 0
		Vote No. 127—Total for 1912-13 .. .. .			2,688 12 9
CONSOLIDATED FUND.					
19	1	MAINTENANCE AND IMPROVEMENT OF ROADS. Expenses incidental to the maintenance and improvement of roads .. .. .	..	..	42,248 7 4
		Total of Votes 109, 110, 126, 127, and 19 .. .. .	..	..	430,472 10 9
		Add expenditure for previous year .. .. .	..	..	*9,089,405 10 8
Total expenditure to 31st March, 1913 .. .. .					9,519,878 1 5

\* Includes expenditure for certain years out of Native Land Purchase Account and Lands Improvement Account.—Vide Table No. 9.

TABLE NO. 4—*continued.*

## ROADS ON GOLDFIELDS.

Vote No. 111.—Item No. 1.—Assistance towards the construction and repair of roads, &c. . . . .								£	s.	d.
								637	14	0
								<u>£637</u>	<u>14</u>	<u>0</u>
AUCKLAND.										
<i>Coromandel County.</i>										
2.	Bridles Point Extension	..	..	..	..	..	..	150	0	0
4.	Cabbage Bay - Cape Colville	..	..	..	..	..	..	96	12	4
5.	Cabbage Bay - Coromandel	..	..	..	..	..	..	100	0	0
7.	Cape Colville - Port Charles	..	..	..	..	..	..	100	0	0
8.	Coromandel - Cabbage Bay Inland Road	..	..	..	..	..	..	100	0	0
10.	Coromandel - Tererenga	..	..	..	..	..	..	50	0	0
11.	Coromandel - Waikawa	..	..	..	..	..	..	50	0	0
12.	Driving Creek - Kikowhakarere	..	..	..	..	..	..	150	0	0
13.	Gumtown - Tapu	..	..	..	..	..	..	100	0	0
14.	Jeffcoat's Bay, Port Jackson	..	..	..	..	..	..	150	0	0
15.	Kapanga Quarry Road	..	..	..	..	..	..	100	0	0
16.	Kapanga Mine Road (metalling)	..	..	..	..	..	..	60	0	0
18.	Kennedy Bay - Matamataharakeke	..	..	..	..	..	..	179	0	0
19.	Kennedy Bay - Settlement	..	..	..	..	..	..	100	0	0
21.	Kuaotunu - Mercury Bay	..	..	..	..	..	..	64	0	0
24.	Mercury Bay - Tairua	..	..	..	..	..	..	200	0	0
25.	Mercury Bay - Whitianga	..	..	..	..	..	..	70	0	0
27.	Tiki Goldfield Road	..	..	..	..	..	..	50	0	0
28.	Tiki - Te Koumu	..	..	..	..	..	..	150	0	0
29.	Tiki - Manaia	..	..	..	..	..	..	50	0	0
30.	Tokatea - Kennedy Bay	..	..	..	..	..	..	150	0	0
31.	Waitaia Company's Low-level Road	..	..	..	..	..	..	20	0	0
32.	Whitianga - Gumtown	..	..	..	..	..	..	300	0	0
<i>Thames County.</i>										
33.	Crosbie Settlement Road	..	..	..	..	..	..	50	0	0
37.	Hikuwai - Fourth Branch	..	..	..	..	..	..	106	0	3
38.	Hikuwai - Ohui	..	..	..	..	..	..	50	0	0
42.	Kauaeranga Valley Road	..	..	..	..	..	..	134	0	0
44.	Maratoto Road	..	..	..	..	..	..	50	0	0
45.	Moanataiari Road	..	..	..	..	..	..	46	9	4
57.	Tairua - Broken Hills - Upper Landing	..	..	..	..	..	..	146	3	0
58.	Tapu Creek Road	..	..	..	..	..	..	15	5	0
66.	Waiomo Creek Road	..	..	..	..	..	..	17	1	1
67.	Waiotahi Creek Road	..	..	..	..	..	..	30	0	0
68.	Waiotahi Road	..	..	..	..	..	..	50	0	0
<i>Thames Borough.</i>										
72.	Sunbeam Mine Road	..	..	..	..	..	..	300	0	0
<i>Ohinemuri County.</i>										
73.	Bridge Road - Karangahake	..	..	..	..	..	..	110	0	0
74.	Bridge Road, Waikino	..	..	..	..	..	..	87	0	0
75.	Cadman Road (Waikino - Waitekauri)	..	..	..	..	..	..	230	0	0
76.	Crown Battery and Hill Road	..	..	..	..	..	..	100	0	0
78.	Farrelly Road	..	..	..	..	..	..	50	0	0
79.	Franklin Road	..	..	..	..	..	..	38	13	0
81.	Hill Road - Talisman Mine	..	..	..	..	..	..	200	0	0
82.	Hoununga Road	..	..	..	..	..	..	7	0	0
84.	Jubilee Road - Maoriland Mine	..	..	..	..	..	..	150	0	0
86.	Karangahake Bridge - Railway-station (£1 for £1)	..	..	..	..	..	..	44	10	0
87.	Karangahake School of Mines Road	..	..	..	..	..	..	50	0	0
88.	Komata Creek Road (£51, £1 for £1)	..	..	..	..	..	..	143	10	0
89.	Komata - Maratoto	..	..	..	..	..	..	49	10	0
91.	Main Road - Butler's Creek (£1 for £1)	..	..	..	..	..	..	100	0	0
94.	Maratoto Road	..	..	..	..	..	..	264	3	8
95.	Mill Road (£1 for £1)	..	..	..	..	..	..	100	0	0
96.	Ngatitangata Road (£1 for £1)	..	..	..	..	..	..	20	0	0
97.	Ohinemuri Bridge at Karangahake (£1 for £1)	..	..	..	..	..	..	1,000	0	0
99.	Old Tauranga Road	..	..	..	..	..	..	171	0	0
100.	Owen's Road, Waikino	..	..	..	..	..	..	38	0	0

TABLE No. 4—continued.

## ROADS ON GOLDFIELDS—continued.

## AUCKLAND—continued.

*Ohinemuri County—continued.*

	£	s.	d.
101. Paeroa—Hikutaia Road—Robinson's .. .. .	40	0	0
102. Paeroa—Netherton .. .. .	300	0	0
103. Paeroa—Rotokohu .. .. .	100	0	0
104. Paeroa—Te Aroha .. .. .	447	0	0
105. Paeroa—Waitoa .. .. .	145	0	0
106. Peveral's Road .. .. .	100	0	0
107. Princes Road, Waikino .. .. .	43	10	0
108. Rahu Road .. .. .	140	0	0
110. Robinson's Road .. .. .	15	0	0
111. Rotokohu Road .. .. .	19	5	8
112. School Road, Karangahake .. .. .	100	0	0
113. Scotchman's Gully Road .. .. .	50	0	0
114. Talisman Mine—Crown .. .. .	75	16	6
118. Tui—Pick-and-Dish .. .. .	90	0	0
122. Waihi—Whangamata .. .. .	192	0	0
123. Waihi—Wharekiraupunga .. .. .	100	0	0
124. Waikino—Waitekauri .. .. .	100	0	0
125. Waitekauri—Golden Cross .. .. .	200	0	0
126. Waitekauri—Durbar .. .. .	94	0	0
128. Waveley Road, Karangahake .. .. .	40	0	0
129. Wharekiraupunga Road .. .. .	75	0	0

*Pioko County.*

132. Waiorongomai Lower Horse-track .. .. .	65	16	6
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£9,020 6 4

## MARLBOROUGH.

*Pelorus Road Board.*

	£	s.	d.
134. Canvastown Track .. .. .	68	0	0
136. Deep Creek, Wakamarina—Dead Horse Creek .. .. .	50	0	0

*Wairau Road Board.*

140. Top Valley Road .. .. .	200	0	0
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£318 0 0

## NELSON.

*Collingwood County.*

	£	s.	d.
141. Aorere (Upper) Road .. .. .	66	2	0
144. Coal Creek Bridge .. .. .	350	0	0
145. Kaituna—Patarau .. .. .	220	12	6
146. Luna'ic Hill Road .. .. .	77	0	0
149. Tamatea—Ferntown .. .. .	14	0	9

*Takaka County.*

151. Barron's Flat Extension .. .. .	200	0	0
152. Gridiron Creek Track .. .. .	109	15	0
153. Long Plain Road Extension .. .. .	100	0	0
154. Pohara—Tarakohe .. .. .	162	10	0
155. Table Land Track .. .. .	150	0	0
156. Takaka—Collingwood Inland Road .. .. .	98	0	0
157. Waitui—Barron's Flat .. .. .	50	0	0

*Waimea County.*

158. Pokororo Footbridge .. .. .	150	0	0
159. Skeet River Road .. .. .	94	18	0
160. Wangapeka—Baton .. .. .	210	0	0
161. Wangapeka Valley—Chandler's—Flannagan's .. .. .	948	17	0

*Buller County.*

162. Arapito—Karamea Gorge—Bennett's .. .. .	150	0	0
163. Coal Creek Bridge .. .. .	332	10	8
164. Fenian Creek Road .. .. .	119	5	0
165. Gilbank Road .. .. .	80	5	0

TABLE NO. 4—*continued.*ROADS ON GOLDFIELDS—*continued.*NELSON—*continued.**Buller County—continued.*

	£	s.	d.
167. Granite Creek Road .. .. .	256	5	0
169. Johnson's Creek Bridge .. .. .	100	0	0
170. Karamea Mud Flat .. .. .	150	0	0
173. Mokihinui—Little Wanganui River Road..	1,200	8	0
174. Mokihinui—Ngakawau .. .. .	223	7	0
175. Mokihinui River Bridge—mouth of Mokihinui River	60	0	0
176. Mokihinui River Road .. .. .	38	7	0
181. Seddonville Roads .. .. .	200	0	0
184. Wanganui—Wangapeka .. .. .	183	5	0
185. Wanganui—Wangapeka Road Extension—Mount Radiant	172	0	0
186. Addison's—Charleston .. .. .	100	0	0
188. Bins Road—Ngakawau .. .. .	11	0	0
189. Brighton—Caves .. .. .	200	0	0
190. Brighton—Richard's .. .. .	479	5	0
191. Buller Bridge—Carter's .. .. .	142	18	3
192. Buller River Dredges Road .. .. .	35	0	0
193. Bullock Creek Track .. .. .	50	0	0
196. Cedar Creek Road .. .. .	87	0	0
197. Channel Flat—Mackley's and Bridge .. .. .	134	1	8
198. Charleston—Four-mile .. .. .	100	0	0
199. Coalbrookdale Road .. .. .	81	0	0
205. Denniston Road (widening) .. .. .	100	0	0
206. Denniston and Coalbrookdale—Sanitation .. .. .	200	0	0
208. East Road, Denniston .. .. .	100	0	0
213. Fox's River Bridge .. .. .	100	0	0
216. Granity Creek Bridges (Millerton Roads) .. .. .	100	0	0
217. Harben Road .. .. .	50	0	0
218. Harney Road .. .. .	50	0	0
220. Hector Roads .. .. .	219	2	0
224. Joachim's Road (Denniston—Hospital) .. .. .	62	8	0
228. Lyell—Mokihinui .. .. .	115	0	0
229. Mangatini Road Extension .. .. .	74	10	0
237. Mears Road .. .. .	100	0	0
239. Millerton Township .. .. .	150	0	0
244. New Creek Bridge (New Creek Road) .. .. .	100	0	0
245. Ngakawau—Stockton Mine (£1 for £1) .. .. .	52	0	0
247. Nile Bridge, Charleston .. .. .	50	7	6
248. Nile Valley Road Extension .. .. .	150	0	0
249. Nine-mile Beach—Totara Bridge .. .. .	249	10	0
254. Outlet—Road Birchfield .. .. .	200	0	0
268. Shamrock Lead Mine Road .. .. .	300	0	0
271. Specimen Creek Road Extension .. .. .	73	17	6
274. Summerlea Road .. .. .	150	0	0
279. Tramway Road, Denniston .. .. .	50	0	0
280. Utopia Road .. .. .	100	0	0
285. Victory—Mahr's Reefs Road, Lyell (on account) .. .. .	174	15	0
286. Waimangaroa—Barrowman's .. .. .	90	0	0
287. Waimangaroa—Fairdown .. .. .	165	0	0
288. Waimangaroa—Waratea .. .. .	178	0	0

*Murchison County.*

222. Horse Terrace—Hunter's .. .. .	71	15	0
232. Maruia Road, via Caslani's .. .. .	196	0	0
253. O'Rorke's—Horse Terrace .. .. .	61	0	0
255. Owen Junction—Battery-site .. .. .	145	2	9
261. Rappahannoc Bridge .. .. .	63	0	5
262. Rappahannoc Creek Track (widening) (on account) .. .. .	177	18	0
276. Taff's Bank, near Six-mile Bridge (regrading) .. .. .	100	0	0

*Inangahua County.*

201. Cronadun—Capleston .. .. .	139	17	6
203. Crushington Bridge and approaches at overflow .. .. .	399	19	11
211. Fiery Cross Road .. .. .	179	1	6
242. Murray Creek Bridges .. .. .	150	0	0
243. Murray Creek Road .. .. .	244	17	7

## TABLE NO. 4—continued.

## ROADS ON GOLDFIELDS—continued.

## NELSON—continued.

## Inangahua County—continued.

	£	s.	d.
269. Soldiers Road, Bonanza - Auld's Creek Track .. .. .	150	0	0
293. Big River - St. George Mine .. .. .	87	11	8
295. Blackwater-Waiuta .. .. .	22	10	10
305. Hukarere - Blackwater Company's Battery-site (on account of £5,000) .. .. .	819	10	6
307. Main Grey Road - Lloyd's, Blackwater .. .. .	91	0	0
312. Progress Junction - Merrijigs .. .. .	500	0	0
313. Progress Junction - Slab Hut Creek .. .. .	226	11	9
318. Slab Hut Creek - Big River .. .. .	498	12	6
369. Waiuta - Big River Road .. .. .	200	0	0
370. Waiuta Township Drainage (£1 for £1) .. .. .	27	0	0
371. Waiuta Township Roads .. .. .	100	0	0
372. Waiuta - Snowy Creek .. .. .	200	0	0

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£16,083 12 9

## WESTLAND.

## Brunner Borough.

	£	s.	d.
296. Brunner-Blackball .. .. .	118	18	11

## Grey County.

298. Cobden-Brighton .. .. .	312	0	0
301. Deep Creek Bridge (on account) .. .. .	176	1	3
302. Ford's Creek Bridge .. .. .	200	0	0
308. McLean's Creek Track and Road .. .. .	56	16	0
310. No Town Creek Bridge .. .. .	150	0	0
315. Saltwater Bridge, Old Marsden Road .. .. .	263	9	0
321. Upper Moonlight Bridge .. .. .	297	4	8
329. Brandy Jacks - Orwell Creek Track .. .. .	200	0	0
331. Cameron's Road Extension .. .. .	150	0	0
332. Cameron's Track .. .. .	100	0	0
339. Grey - Dungaville Bridge; Marsden Road .. .. .	54	0	0
343. Kotuku Railway-station - Oilfield (on account) .. .. .	700	0	0
347. Molloy's Creek Bridge (on account) .. .. .	111	10	0
353. No Town Creek Bridge (reconstruction) .. .. .	150	0	0
355. Payne's Gully Track .. .. .	377	10	11
374. Westbrook Road (deviation) .. .. .	2,105	3	7

## Westland County.

324. Adair's Road .. .. .	85	0	0
326. Awatuna Road .. .. .	46	7	11
327. Back Creek Road .. .. .	101	11	0
330. Browning's Pass Track (deviation and repairs) .. .. .	221	5	0
333. Eel Creek Track protection .. .. .	50	13	0
334. Forks - Canoe Point .. .. .	228	15	0
335. Fourth Terrace - Awatuna Track .. .. .	64	0	0
336. Gillam's Gully Road Extension and Overflow Bridge .. .. .	114	0	0
338. Goldsborough Deviation (£1 for £1) .. .. .	78	16	0
340. Hau Hau Road .. .. .	72	0	0
341. Hokitika Boundary Road .. .. .	27	13	11
344. Lamplough Track (widening) .. .. .	150	0	0
345. Lang's Road .. .. .	212	2	6
351. No. 3 Channel Road .. .. .	140	0	0
354. Okarito - Forks Road and Track .. .. .	30	16	0
361. Seddon's Terrace Branch Road .. .. .	170	0	0
362. Shennandoah Creek Bridge .. .. .	100	0	0
364. Stafford Tracks .. .. .	48	9	0
365. Styx Track .. .. .	225	6	10
366. Teal Track .. .. .	22	10	0
367. Toaroha Track .. .. .	92	3	6
368. Waimea Creek Bridge Road .. .. .	85	14	0
376. Whitcombe Valley Track .. .. .	35	4	0
377. Wilberforce Track .. .. .	24	17	6

## Ross Borough.

359. Ross - Railway-station, Ross .. .. .	80	11	4
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£8,030 10 10

TABLE No. 4—*continued.*ROADS ON GOLDFIELDS—*continued.*

## CANTERBURY.

*Mackenzie County.*

	£	s.	d.
378. Opawa River Traffic-bridge near Albury Coal-pit (£2 for £1) .. .. .	104	0	0
	<u>£104</u>	<u>0</u>	<u>0</u>

## OTAGO.

*Tuapeka County.*

	£	s.	d.
382. Lawrence to McIntyre's .. .. .	100	0	0
385. Island Block (£1 for £1) .. .. .	50	0	0
389. Moa Flat (£1 for £1) .. .. .	100	0	0
391. Rae's Junction - Island Block (£1 for £1) .. .. .	40	0	0

*Tairi County.*

383. Railway-station - Mine, Barewood .. .. .	130	0	0
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*Vincent County.*

384. Clyde - Tuapeka County boundary .. .. .	100	0	0
386. Lawrence to Clyde .. .. .	55	0	0
396. Cromwell-Nevis .. .. .	54	10	0
397. Cromwell-Clyde .. .. .	200	0	0
399. Cromwell-Wanaka .. .. .	434	11	0

*Lake County.*

394. Blue Slip, Skipper's .. .. .	53	19	7
395. Cardrona Coal-pit Road .. .. .	48	17	10
405. Moke Creek Track .. .. .	50	0	0
408. Queenstown - Gentle Annie .. .. .	50	0	0
412. Shotover Valley Road .. .. .	200	0	0

£1,666 18 5

## SOUTHLAND.

*Wallace County.*

	£	s.	d.
422. Ruahine-Beach .. .. .	48	15	0

*Southland County.*

414. Waikaia Bridge (Waiparu) (£2 for £1) .. .. .	501	6	0
428. Longbeach Road .. .. .	150	0	0
429. Longbeach Road - Wallace Beach (£1 for £1) .. .. .	200	0	0

£900 1 0

	£	s.	d.
Expenditure for year ended 31st March, 1913 .. .. .	36,761	3	4
Expenditure for previous years .. .. .	936,346	13	6

Total expenditure to 31st March, 1913, on Roads on Goldfields .. £973,107 16 10

STATEMENT showing the EXPENDITURE for WATER-RACES on GOLDFIELDS out of Public Works Fund to 31st March, 1913, and the LIABILITIES on that Date.

LOCALITY AND NAME OF RACE.	EXPENDITURE.						LIABILITIES.						Total Expenditure and Liabilities.											
	Survey and Construction, 1870-1912.		Grants, Subsidies, 1870-1912.		Survey and Construction, 1912-1913.		Grants, Subsidies, 1912-1913.		Totals.		Authorities on Grants, Subsidies.			Authorities on Construction.		Contracts.		Totals.						
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.		
<b>NORTH ISLAND.</b>																								
<b>AUCKLAND PROVINCIAL DISTRICT—</b>																								
Thames	80,708	19	3	..	..	..	..	..	80,708	19	3	..	..	..	..	..	..	..	..	..	..	80,708	19	3
Tairua Water-race	..	..	..	34	5	4	..	..	34	5	4	..	..	..	..	..	..	..	..	..	..	34	5	4
Compensation, Thames Water-race	..	..	..	1,250	0	0	..	..	1,250	0	0	..	..	..	..	..	..	..	..	..	..	1,250	0	0
R. Kelly's water-race, Mata	..	..	..	40	0	0	..	..	40	0	0	..	..	..	..	..	..	..	..	..	..	40	0	0
Kuaotunu Sludge-channel	..	..	..	230	0	0	..	..	230	0	0	..	..	..	..	..	..	..	..	..	..	230	0	0
Drain, Te Aroha West	..	..	..	61	0	0	..	..	61	0	0	..	..	..	..	..	..	..	..	..	..	61	0	0
..	80,708	19	3	1,615	5	4	..	..	82,324	4	7	..	..	..	..	..	..	..	..	..	..	82,324	4	7
<b>MIDDLE ISLAND.</b>																								
<b>WESTLAND PROVINCIAL DISTRICT—</b>																								
<i>Subsidies—</i>																								
Hobonui	3	7	0	1,955	12	1	..	..	1,955	19	1	..	..	..	..	..	..	..	..	..	..	1,955	19	1
Hibernian	12	5	8	1,992	14	8	..	..	2,005	0	4	..	..	..	..	..	..	..	..	..	..	2,005	0	4
New River	21	5	0	3,496	0	3	..	..	3,517	5	3	..	..	..	..	..	..	..	..	..	..	3,517	5	3
Kanieri	1	5	6	10,310	310	18	4	..	10,312	3	10	..	..	..	..	..	..	..	..	..	..	10,312	3	10
Rimu Drainage-tunnel	..	..	..	..	..	..	..	..	223	19	6	..	..	..	..	..	..	..	..	..	..	223	19	6
Ross Sludge-channel	..	..	..	1,554	10	6	..	..	1,554	10	6	..	..	..	..	..	..	..	..	..	..	1,554	10	6
Kumara Sludge-channel No. 2	..	..	..	2,762	17	2	..	..	2,762	17	2	..	..	..	..	..	..	..	..	..	..	2,762	17	2
Kumara Sludge-channel No. 3	75	0	0	1,199	7	6	..	..	1,274	7	6	..	..	..	..	..	..	..	..	..	..	1,274	7	6
Kumara No. 4 Main Tail-race	..	..	..	1,151	10	8	..	..	1,151	10	8	..	..	..	..	..	..	..	..	..	..	1,151	10	8
Kumara No. 5 Main Tail-race	..	..	..	5,666	14	11	..	..	5,666	14	11	..	..	..	..	..	..	..	..	..	..	5,666	14	11
Trustees Main Tail-race, Waimea	..	..	..	2,294	6	8	..	..	2,294	6	8	..	..	..	..	..	..	..	..	..	..	2,294	6	8
Branch Tail-race to No. 4 Channel, Payne and party	..	..	..	100	0	0	..	..	100	0	0	..	..	..	..	..	..	..	..	..	..	100	0	0
Kelly's Terrace Tunnel	..	..	..	2,587	13	0	..	..	2,587	13	0	..	..	..	..	..	..	..	..	..	..	2,587	13	0
Quinn's Creek Water-race (purchase)	..	..	..	70	0	0	..	..	70	0	0	..	..	..	..	..	..	..	..	..	..	70	0	0
Raising dam, Loop-line	1,125	16	6	..	..	..	..	..	1,125	16	6	..	..	..	..	..	..	..	..	..	..	1,125	16	6
Ngahere-Blackball	..	..	..	200	0	0	..	..	200	0	0	..	..	..	..	..	..	..	..	..	..	200	0	0
Donnelly's Creek Tail-race	..	..	..	444	4	5	..	..	444	4	5	..	..	..	..	..	..	..	..	..	..	444	4	5
Purchase of Byrne, O'Hallah, and Murdoch's water-rights	..	..	..	35	0	0	..	..	35	0	0	..	..	..	..	..	..	..	..	..	..	35	0	0
Jones Creek Storm-channel	100	0	0	325	0	0	..	..	425	0	0	..	..	..	..	..	..	..	..	..	..	425	0	0
Back Creek Water-race	380	1	0	..	..	..	..	..	330	1	0	..	..	..	..	..	..	..	..	..	..	330	1	0
Ford and party, Park Terrace	..	..	..	108	18	0	..	..	108	18	0	..	..	..	..	..	..	..	..	..	..	108	18	0
McConnon and Garner, Dilmanstown	..	..	..	300	0	0	..	..	300	0	0	..	..	..	..	..	..	..	..	..	..	300	0	0
Murchie and Banyon, Kumara	..	..	..	150	0	0	..	..	150	0	0	..	..	..	..	..	..	..	..	..	..	150	0	0
<i>Government Works—</i>																								
Waimea-Kumara	195,80	9	4	..	..	..	62	15	195,913	4	5	..	..	..	..	..	..	..	..	..	..	195,913	4	5
Wainihini Water-race	14,152	17	7	..	..	..	..	..	14,152	17	7	..	..	..	..	..	..	..	..	..	..	14,152	17	7
Mikonui	25,927	4	6	..	..	..	..	..	25,927	4	6	..	..	..	..	..	..	..	..	..	..	25,927	4	6
<b>NELSON PROVINCIAL DISTRICT—</b>																								
<i>Government Works—</i>																								
Nelson Creek	90,722	10	8	..	..	..	..	..	90,722	10	8	..	..	..	..	..	..	..	..	..	..	90,722	10	8
Napoleon Hill	257	16	7	..	..	..	..	..	257	16	7	..	..	..	..	..	..	..	..	..	..	257	16	7
Argyle (Charleston)	15,951	15	3	150	0	0	..	..	16,101	15	3	..	..	..	..	..	..	..	..	..	..	16,101	15	3
Black's Point	244	9	0	..	..	..	..	..	244	9	0	..	..	..	..	..	..	..	..	..	..	244	9	0
Carried forward	944,964	3	1	136,887	8	2	..	..	62	15	1	381,918	6	4	..	..	..	..	..	..	..	381,918	6	4

Development of Goldfields.—Table No. 5—continued.  
STATEMENT showing the EXPENDITURE for WATER-RACES on GOLDFIELDS out of Public Works Fund to 31st March, 1913, and the LIABILITIES on that Date—continued.

LOCALITY AND NAME OF RACE.	EXPENDITURE.				LIABILITIES.				Total Expenditure and Liabilities.	LOCALITY AND NAME OF RACE.
	Survey and Construction, 1870-1912.	Grants, Subsidies, 1870-1912.	Survey and Construction, 1912-1913.	Grants, Subsidies, 1912-1913.	Totals.	Authorities on Construction.	Authorities on Grants, Subsidies.	Contracts.		
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Brought forward ..	344,968 3	186,887 8 2	..	62 15	1381,918 6 4	..	..	..	..	381,918 6 4
MIDDLE ISLAND—continued.										
NELSON PROVINCIAL DISTRICT— <i>ctd.</i>										
Subsidies—										
Jones, Baxter, and party, water-race from Roaring Meg	..	800 0 0	..	..	800 0 0	..	..	..	..	800 0 0
Bell Hill Co.'s Race ..	..	500 0 0	..	..	500 0 0	..	..	..	..	500 0 0
Randall Creek Water-race ..	322 18 2	..	..	..	322 18 2	..	..	..	..	322 18 2
Wills and party, water-race at Sulky Gully	..	218 0 0	..	..	218 0 0	..	..	..	..	218 0 0
OTAGO PROVINCIAL DISTRICT—										
Subsidies—										
Arrow	..	612 10 0	..	..	612 10 0	..	..	..	..	612 10 0
Beaumont and Tuapeka	..	640 0 0	..	..	644 6 2	..	..	..	..	644 6 2
Carrick Range ..	4 6 2	9,249 13 1	..	..	9,249 13 1	..	..	..	..	9,249 13 1
Mount Pisgah ..	..	200 0 0	..	..	200 0 0	..	..	..	..	200 0 0
Lawrence Drainage-channel ..	..	3,092 19 0	..	..	3,092 19 0	..	..	..	..	3,092 19 0
Ophir Tail-race ..	..	1,150 0 0	..	..	1,150 0 0	..	..	..	..	1,150 0 0
Muddy Creek Channel ..	..	850 0 0	..	..	850 0 0	..	..	..	..	850 0 0
St. Bathans ..	..	2,314 4 0	..	..	2,314 4 0	..	..	..	..	2,314 4 0
Maerewhenua ..	1,065 0 0	..	..	..	1,065 0 0	..	..	..	..	1,065 0 0
Artesian wells, Maniototo ..	20 0 0	..	..	..	20 0 0	..	..	..	..	20 0 0
Improving water-supply, Oamaru	1,600 7 2	..	..	..	1,600 7 2	..	..	..	..	1,600 7 2
Mountain Hut Water-race ..	4,879 12 0	..	..	..	4,879 12 0	..	..	..	..	4,879 12 0
Government Works—										
Mount Ida ..	..	73,832 10 6	..	..	73,832 10 6	..	..	..	..	73,832 10 6
Waipori ..	..	11,263 1 0	..	..	11,263 1 0	..	..	..	..	11,263 1 0
Alexandra (purchase)	..	16,956 7 3	..	..	16,956 7 3	..	..	..	..	16,956 7 3
CANTERBURY PROVINCIAL DISTRICT—										
Subsidy—										
Ninety-mile Beach Water-race	65 6 7	..	..	..	65 6 7	..	..	..	..	65 6 7
SOUTHLAND PROVINCIAL DISTRICT—										
Subsidy—										
Round Hill ..	..	133 19 4	..	..	133 19 4	..	..	..	..	133 19 4
GENERAL—										
Increased water-supply ..	580 4 0	100 0 0	..	..	680 4 0	..	..	..	..	680 4 0
DEPARTMENTAL—										
Salaries, travelling, advertising, &c.	6,763 9 6	..	..	..	6,763 9 6	..	..	..	..	6,763 9 6
TOTALS ..	462,271 5	556,748 18 7	..	62 15	1,519,082 14 1	..	..	..	..	519,082 14 1
SUMMARY.										
NORTH ISLAND ..	80,708 19 3	1,615 5 4	..	..	82,324 4 7	..	..	..	..	82,324 4 7
MIDDLE ISLAND ..	462,271 5	556,748 13 7	..	62 15	1,519,082 14 1	..	..	..	..	519,082 14 1
TOTALS ..	542,980 4	858,363 18 11	..	62 15	1,601,406 18 8	..	..	..	..	601,406 18 8



Development of Goldfields.—Table No. 5a.

STATEMENT showing ASSISTANCE towards PROSPECTING, and MISCELLANEOUS SERVICES, out of Public Works Fund to 31st March, 1913, and the LIABILITIES on that Date.

	Total Expenditure to 31st March, 1912.		Net Expenditure during Twelve Months ended 31st March, 1913.		Total Net Expenditure to 31st March, 1913.		Liabilities on 31st March, 1913.		Total Net Expenditure and Liabilities.	
	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
Assistance towards prospecting ..	41,217	5 9*	..	..	41,217	5 9	..	..	41,217	5 9
Oil boring, Kotuku ..	207	10 0	..	..	207	10 0	..	..	207	10 0
Purchase and expenses of diamond and other drills	13,834	9 3	2,708	13 6	16,043	2 9	..	..	16,043	2 9
Prospecting deep levels, Thames—										
Deep Levels crosscut subsidy ..	..	..	6,000	0 0	6,000	0 0	..	..	6,000	0 0
Queen of Beauty shaft subsidy ..	25,000	0 0	..	..	25,000	0 0	..	..	25,000	0 0
Inspector's fee ..	500	0 0	..	..	500	0 0	..	..	500	0 0
Cost and expenses, purchase, plant, &c.	7,070	5 2	27	13 8	7,097	18 10	..	..	7,097	18 10
Lowering water, Queen of Beauty shaft	400	0 0	..	..	400	0 0	..	..	400	0 0
Deepening and unwatering Queen of Beauty shaft	9,205	16 6	..	..	9,205	16 6	..	..	9,205	16 6
Prospecting deep levels, Ross ..	15,019	4 4	..	..	15,019	4 4	..	..	15,019	4 4
Purchase of Cassrell's and Bennett's leaseholds, Paeroa	2,250	0 0	..	..	2,250	0 0	..	..	2,250	0 0
Compensation proclamation of rivers	42,741	3 5	182	19 0	42,924	2 5	..	..	42,924	2 5
Water-conservation—										
Reports on Coromandel Harbour and Kuaotunu Sludge-channel	80	12 6	..	..	80	12 6	..	..	80	12 6
Engineer's salary and expenses ..	3,219	0 2	..	..	3,219	0 2	..	..	3,219	0 2
Reports on Ross Flat ..	284	10 8	..	..	284	10 8	..	..	284	10 8
Eweburn Reservoir ..	16,459	15 10	..	..	16,459	15 10	..	..	16,459	15 10
Gimmerburn Creek embankment	211	12 3	..	..	211	12 3	..	..	211	12 3
Greenland Swamp Dam ..	39	12 0	..	..	39	12 0	..	..	39	12 0
Home Gully Dam ..	1,028	0 6	..	..	1,028	0 6	..	..	1,028	0 6
Manorburn Creek weir ..	457	1 7	..	..	457	1 7	..	..	457	1 7
Compensation, Owen Roberts ..	75	0 0	..	..	75	0 0	..	..	75	0 0
Compensation, kin of late R. Bellamy	..	..	60	0 0	60	0 0	..	..	60	0 0
Telephone-line, Bannockburn to Nevis	50	0 0	..	..	50	0 0	..	..	50	0 0
Resumption of land ..	862	7 0	..	..	862	7 0	..	..	862	7 0
Water-supplies for Mining Townships—										
Waikino ..	2,568	0 0	..	..	2,568	0 0	..	..	2,568	0 0
Waitekauri ..	445	2 5	..	..	445	2 5	..	..	445	2 5
Karangahake ..	607	6 5	..	..	607	6 5	..	..	607	6 5
Mackaytown ..	351	0 0	..	..	351	0 0	..	..	351	0 0
Clyde ..	1,121	13 2	..	..	1,121	13 2	..	..	1,121	13 2
Alexandra ..	600	0 0	..	..	600	0 0	..	..	600	0 0
Ophir ..	148	10 0	1	9 0	149	19 0	..	..	149	19 0
Ohinemuri River silting ..	3	12 0	..	..	3	12 0	..	..	3	12 0
Thames Drainage Board contribution	1,000	0 0	..	..	1,000	0 0	..	..	1,000	0 0
Kumara Water-race extension across Teremakau River	19,655	9 11	1,540	7 2	21,195	17 1	..	..	21,195	17 1
Waimumu Main Tail-race ..	1,450	6 3	..	..	1,450	6 3	..	..	1,450	6 3
Charlton Creek Main Tail-race ..	408	7 1	..	..	408	7 1	..	..	408	7 1
Advances to companies ..	8,200	0 0	..	..	8,200	0 0	..	..	8,200	0 0
Protective works, Stafford Dam, Bow Bell Flat ..	286	5 5	60	1 3	346	6 8	..	..	346	6 8
Dam, Bow Bell Flat ..	270	0 0	..	..	270	0 0	..	..	270	0 0
Less Recovery on Account of Expenditure of Previous Years—	216,828	19 7	10,581	3 7	227,410	3 2	..	..	227,410	3 2
Johnston's dam, Bow Bell Flat ..	..	..	..	..	15	0 0	..	..	15	0 0
Muddy Terrace Sluicing Company ..	..	..	..	..	1,000	0 0	..	..	1,000	0 0
					1,015	0 0	..	..	1,015	0 0
Totals .. ..	216,828	19 7	10,581	3 7	226,395	3 2	..	..	226,395	3 2

\* Assistance towards prospecting now paid out of Consolidated Fund.

TABLE No. 6.

STATEMENT showing the EXPENDITURE on TELEGRAPHS out of Public Works Fund to 31st March, 1913, and the Liabilities on that Date.

Line.	Expenditure during Twelve Months ended 31st March, 1913.					
	Expenditure.		Material issued from Stores.		Total Cost dur- ing the Year.	
	£	s. d.	£	s. d.	£	s. d.
Telephone Exchanges—						
Ashburton .. .. .	245	1 2	929	3 0	1,174	4 2
Auckland .. .. .	16,285	12 10	21,982	16 10	38,268	9 8
Blenheim .. .. .	2,591	19 3	1,815	0 4	4,406	19 7
Christchurch .. .. .	6,417	11 7	4,285	3 11	10,702	15 6
Dannevirke .. .. .	139	12 1	228	3 2	367	15 3
Dunedin .. .. .	4,168	15 4	5,757	11 1	9,926	6 5
Feilding .. .. .	940	2 4	584	10 7	1,524	12 11
Gisborne .. .. .	1,748	9 10	3,163	19 6	4,912	9 4
Greymouth .. .. .	115	17 0	234	12 2	350	9 2
Hamilton .. .. .	377	3 2	762	11 5	1,139	14 7
Hawera .. .. .	708	0 3	1,186	8 11	1,894	9 2
Hokitika .. .. .	19	6 11	221	17 8	241	4 7
Invercargill .. .. .	3,069	6 7	1,898	16 1	4,968	2 8
Levin .. .. .	73	11 9	34	0 6	107	12 3
Masterton .. .. .	2,394	5 6	3,690	14 11	6,085	0 5
Napier .. .. .	2,695	15 1	5,042	8 5	7,738	3 6
Nelson .. .. .	570	15 4	529	17 8	1,100	13 0
New Plymouth .. .. .	505	15 7	1,104	1 6	1,609	17 1
Oamaru .. .. .	77	17 0	614	6 9	692	3 9
Pahiatua .. .. .	224	17 0	337	19 9	562	16 9
Palmerston North .. .. .	597	12 8	1,155	6 8	1,752	19 4
Rotorua .. .. .	62	14 9	155	19 7	218	14 4
Stratford .. .. .	224	17 2	167	2 5	391	19 7
Thames .. .. .	347	6 3	784	13 2	1,131	19 5
Timaru .. .. .	1,962	19 3	2,237	2 11	4,200	2 2
Wanganui .. .. .	2,419	17 0	3,255	0 3	5,674	17 3
Wellington .. .. .	8,478	14 4	4,488	2 11	12,966	17 3
Westport .. .. .	15	16 10	170	13 11	186	10 9
Whangarei .. .. .	266	11 11	433	5 0	699	16 11
Total exchanges .. .. .	57,746	5 9	67,251	11 0	124,997	16 9
New Wires—						
Upper Oruaiti Extension .. .. .	38	6 0	11	2 9	49	8 9
Lake Ohia Extension .. .. .	59	1 9	..	..	59	1 9
Awanui—Waipapakauri—Waiharara—Kaimauman .. .. .	107	9 6	21	19 9	129	9 3
Awanui Wireless .. .. .	12,775	10 8	..	..	12,775	10 8
Awanui—Kaitara (metallic circuit) .. .. .	..	..	6	6 0	6	6 0
Mangatangirau Extension .. .. .	59	17 3	12	9 11	72	7 2
Mangonui—Awanui .. .. .	200	7 1	19	19 8	220	6 9
Kaurinui Telephone Extension .. .. .	..	..	4	2 11	4	2 11
Kohumaru Extension .. .. .	51	1 9	..	..	51	1 9
Matauri Bay—Otoroa Extension .. .. .	179	12 6	36	4 9	215	17 3
Auckland—Pupuke .. .. .	33	17 6	..	..	33	17 6
Kerikeri—Pureroa Extension .. .. .	152	4 11	..	..	152	4 11
Broadwood—Whakarapa .. .. .	107	12 8	40	14 6	148	7 2
Paponga Telephone-office .. .. .	..	..	1	0 1	1	0 1
Haruru Telephone-office .. .. .	0	6 6	..	..	0	6 6
Taikawhana Telephone-line .. .. .	..	..	32	6 11	32	6 11
Puketona Telephone-office .. .. .	1	14 0	..	..	1	14 0
Kawakawa—Ohaeawai .. .. .	35	5 4	36	5 8	71	11 0
Tanekaka Extension .. .. .	156	18 11	..	..	156	18 11
Whangarei—Kawakawa .. .. .	2	17 2	..	..	2	17 2
Otonga Telephone-office .. .. .	..	..	3	14 11	3	14 11
Dargaville—Whangarei .. .. .	1,201	8 5	604	11 9	1,806	0 2
Rukawai—Tarunui—Waiparera .. .. .	1	10 11	..	..	1	10 11
Mangapai Wharf Telephone Extension .. .. .	1	1 6	..	..	1	1 6
Dargaville—Te Kopuru—Tatarariki (metallic circuit) .. .. .	92	4 7	3	16 0	96	0 7
Okonga Telegraph-office .. .. .	4	0 3	..	..	4	0 3
Pukapuka—Warkworth (metallic circuit) .. .. .	70	16 0	..	..	70	16 0
Warkworth—Mullet Point—Te Kapa Extension .. .. .	29	19 6	..	..	29	19 6
Pohuehue Telegraph-office .. .. .	7	11 0	..	..	7	11 0
Mangakura—Glorit .. .. .	45	2 4	..	..	45	2 4
Auckland—Waiwera .. .. .	174	16 6	11	18 10	186	15 4
Dairy Flat Telephone Extension .. .. .	69	16 7	49	4 1	119	0 8
Glenfield Extension .. .. .	15	14 0	4	1 10	19	15 10
Kennedy's Bay Telephone Extension .. .. .	1	13 6	23	9 0	25	2 6
Wireless, Auckland Post-office .. .. .	142	9 3	..	..	142	9 3
St. Heliers Wireless .. .. .	19	9 2	..	..	19	9 2
Te Atatu Telephone Extension .. .. .	88	12 9	4	1 7	92	14 4
Edendale North Telephone Extension .. .. .	16	4 0	31	5 1	47	9 1
Mt. Albert—Waikumete (metallic circuit) .. .. .	9	8 2	27	10 7	36	18 9
Waikumete—Karekare .. .. .	552	10 7	..	..	552	10 7
Reweti Telephone-office .. .. .	..	..	4	3 2	4	3 2
Carried forward.. .. .	16,506	12 6	990	9 9	17,497	2 3

TABLE NO. 6—continued.

STATEMENT showing the EXPENDITURE ON TELEGRAPHS—continued.

Line.	Expenditure during Twelve Months ended 31st March, 1913.								
	Expenditure.			Material issued from Stores.			Total Cost dur- ing the Year.		
	£	s.	d.	£	s.	d.	£	s.	d.
Brought forward .. .. .	16,506	12	6	990	9	9	17,497	2	3
New Wires—continued.									
Ruahau—Piha .. .. .	29	5	4	..	..	..	29	5	4
Pahitua Telephone Extension .. .. .	2	3	0	4	2	5	6	5	5
Muriwai Beach Extension .. .. .	64	17	3	4	2	6	68	19	9
Huia Telegraph Extension .. .. .	195	19	7	12	12	7	208	12	2
Otahuhu—Papakura (metallic circuit) .. .. .	..	..	..	38	16	9	38	16	9
Auckland—Pukekohe .. .. .	122	17	3	67	6	7	190	3	10
Pukekohe East Extension .. .. .	27	5	6	..	..	..	27	5	6
Pukekohe—Mercer .. .. .	1	5	1	..	..	..	1	5	1
Tuketuke Telephone Extension .. .. .	0	15	4	..	..	..	0	15	4
Thames—Wharehoe .. .. .	3	16	0	..	..	..	3	16	0
Tairua—Hikuai Line .. .. .	..	..	..	17	5	4	17	5	4
Ngatea Telephone-office .. .. .	1	10	0	..	..	..	1	10	0
Parawai Telephone Extension .. .. .	0	10	2	4	2	10	4	13	0
Kerepehi—Waitakaruru Extension .. .. .	..	..	..	7	19	0	7	19	0
Pokeno—Pokeno Valley and Bombay—Paparata Valley Ex- tension .. .. .	67	6	4	..	..	..	67	6	4
Pokeno—Mercer (metallic circuit) .. .. .	..	..	..	1	9	2	1	9	2
Mangataupiri Valley—Miranda—Mercer .. .. .	5	9	0	..	..	..	5	9	0
Te Aroha (new office) .. .. .	..	..	..	9	6	3	9	6	3
Whangamarino Extension .. .. .	32	1	3	11	10	6	43	11	9
Waipuna Telephone Extension .. .. .	2	19	3	3	19	9	6	19	0
Waitemata Extension .. .. .	81	13	4	..	..	..	81	13	4
Pukewhau Telephone Extension .. .. .	0	13	5	4	0	10	4	14	3
Te Hoe Telephone Extension .. .. .	0	19	0	16	8	11	17	7	11
Pukemiro Telephone Extension .. .. .	35	6	10	7	13	9	43	0	7
Ngaruawahia—Mercer .. .. .	0	5	4	..	..	..	0	5	4
Raglan—Te Akau .. .. .	56	1	9	57	11	6	113	13	3
Taihoa Telephone Extension .. .. .	0	17	6	9	3	7	10	1	1
Hamilton—Morrinsville Telephone-wire .. .. .	41	5	5	136	15	6	178	0	11
Horsham Downs Extension .. .. .	..	..	..	4	1	11	4	1	11
Hamilton—Cambridge (metallic circuit) .. .. .	5	11	11	..	..	..	5	11	11
Kaipaki Line .. .. .	47	2	1	53	13	0	100	15	1
Ngaroto Telephone Extension .. .. .	0	2	6	4	2	2	4	4	8
Cambridge—Rotorua (metallic circuit) .. .. .	1	11	2	..	..	..	1	11	2
Putaruru Loop Line .. .. .	13	3	10	..	..	..	13	3	10
Miranui Extension .. .. .	4	3	4	..	..	..	4	3	4
Rotoiti Telephone-office .. .. .	..	..	..	4	7	7	4	7	7
Te Pu Telephone-office .. .. .	..	..	..	5	1	11	5	1	11
Rotorua—Ngongotaha—Tauranga (metallic circuit) .. .. .	842	19	10	606	13	6	1,449	13	4
Oropi Telephone-office .. .. .	..	..	..	4	6	8	4	6	8
Kaharoa Extension .. .. .	9	4	6	4	8	2	13	12	8
Ngawaro Telephone-office .. .. .	..	..	..	4	8	3	4	8	3
Rotorua—Te Teko .. .. .	2	1	9	188	7	8	190	9	5
Matahi .. .. .	..	..	..	4	5	11	4	5	11
Te Teroa .. .. .	..	..	..	4	6	11	4	6	11
Gate Pah (new office) .. .. .	..	..	..	4	1	0	4	1	0
Matahanac—Oponae Telephone Extension .. .. .	5	13	10	29	19	7	35	13	5
Okiore New Office .. .. .	..	..	..	4	1	6	4	1	6
Wharepapa Telephone Extension .. .. .	92	10	4	13	15	8	106	6	0
Muripara—Te Houhi .. .. .	24	4	6	74	6	3	98	10	9
Puketua Extension .. .. .	138	0	9	..	..	..	138	0	9
Auckland—Hamilton—Taumarunui (metallic circuit) .. .. .	418	15	5	2,798	19	11	3,217	15	4
Otorohanga—Te Awamutu .. .. .	24	5	10	14	0	0	38	5	10
Otorohanga—Hangatiki .. .. .	12	12	8	106	2	6	118	15	2
Kirikau Telephone-office .. .. .	..	..	..	4	9	7	4	9	7
Kokakoriki .. .. .	..	..	..	4	9	5	4	9	5
Tai Haia Telephone Extension .. .. .	2	0	3	11	7	3	13	7	6
Hikumutu Telephone-office .. .. .	..	..	..	4	8	8	4	8	8
Kirikiri—Wharepungu .. .. .	459	17	2	..	..	..	459	17	2
Matapara Telephone Extension .. .. .	26	14	6	16	2	10	42	17	4
Patunga Telephone-office .. .. .	..	..	..	4	9	5	4	9	5
Ranginui Telephone Extension .. .. .	23	15	9	16	11	11	40	7	8
Otewa Telephone-office .. .. .	..	..	..	4	12	7	4	12	7
Rangiatea Telephone Extension .. .. .	5	8	0	66	2	1	71	10	1
Te Araroa (Morse and metallic circuit) .. .. .	100	0	9	196	13	7	296	14	4
Te Araroa—Whangaparaoa .. .. .	..	..	..	183	15	2	183	15	2
Otoko—Te Karaka .. .. .	132	14	8	2	10	6	135	5	2
Port Awanui—Te Araroa .. .. .	..	..	..	75	9	4	75	9	4
Tolago Bay Extension .. .. .	..	..	..	95	4	6	95	4	6
Auckland—New Plymouth Line Deviation .. .. .	230	7	11	0	11	9	230	19	8
Mairoa—Marakopo Extension .. .. .	210	2	5	3	9	7	213	12	0
Arapae Telephone Extension .. .. .	4	0	0	4	7	6	8	7	6
Carried forward.. .. .	20,119	1	1	6,033	3	3	26,152	4	4

TABLE NO. 6—continued.

STATEMENT showing the EXPENDITURE ON TELEGRAPHS—continued.

Line.	Expenditure during Twelve Months ended 31st March, 1913.					
	Expenditure.		Material issued from Stores.		Total Cost dur- ing the Year.	
	£	s. d.	£	s. d.	£	s. d.
Brought forward .. .. .	20,119	1 1	6,033	3 3	26,152	4 4
<i>New Wires—continued.</i>						
Taumatawaenga Extension .. .. .	0	18 6	4	12 10	5	11 4
Taupo-Wairakei .. .. .	21	7 0	..	..	21	7 0
Marakowhai Telephone Extension .. .. .	747	15 0	99	1 2	846	16 2
Ongarue-Tangitu .. .. .	118	5 4	..	..	118	5 4
Waitewhena Extension .. .. .	101	17 6	..	..	101	17 6
Waitaanga Extension .. .. .	169	9 1	27	15 4	197	4 5
Ongarue-Taumarunui (metallic circuit) .. .. .	135	10 6	..	..	135	10 6
Taringamotu Extension .. .. .	3	5 8	..	..	3	5 8
Hukapapa Telephone Extension .. .. .	23	10 2	4	2 2	27	12 4
Roto Extension .. .. .	26	16 6	..	..	26	16 6
Manunui-Kakahi (metallic circuit) .. .. .	31	14 3	47	4 10	78	19 1
Auckland - Wellington New Line—						
Auckland Section .. .. .	£3,438	4 5				
Wellington Section .. .. .	66	11 10				
	3,504	16 3	131	12 1	3,636	8 4
Taumarunui-Raurimu (metallic circuit) .. .. .	97	19 1	34	8 11	132	8 0
Tangitere Telephone Extension .. .. .	36	12 6	157	1 4	193	13 10
Whakaki Extension .. .. .	2	3 0	8	5 2	10	8 2
Waitara-Urenui (metallic circuit) .. .. .	129	15 10	74	3 3	203	19 1
Whatawhiti .. .. .	..	..	15	7 1	15	7 1
Ngatimiro Telephone Extension .. .. .	1	2 6	..	..	1	2 6
Ohakune-Raurimu (metallic circuit) .. .. .	209	11 9	433	7 7	642	19 4
Ohakune-Horopito (metallic circuit) .. .. .	..	..	128	1 3	128	1 3
Tarurutangi Telephone-office .. .. .	44	17 4	34	8 11	79	6 3
Kent Road Telephone-office .. .. .	..	..	4	12 10	4	12 10
Hillsborough Telephone Extension .. .. .	43	10 3	78	13 3	122	3 6
Mongoiei Telephone Extension .. .. .	1	8 11	..	..	1	8 11
Potaema Telephone Extension .. .. .	1	0 0	..	..	1	0 0
Korito Telephone Extension .. .. .	45	16 6	118	13 1	164	9 7
Ratapiko Telephone Extension .. .. .	38	9 3	114	9 6	152	18 9
Stratford-Whangamomona (metallic circuit) .. .. .	292	9 4	18	0 11	310	10 3
Karioi Telephone Extension .. .. .	40	5 11	12	11 9	52	17 8
Waiouru-Karioi .. .. .	28	6 8	125	13 11	154	0 7
Hawera-Manutahi (metallic circuit) .. .. .	35	6 7	142	18 0	178	4 7
Rautiti Extension .. .. .	203	12 9	70	19 9	274	12 6
Maungakaretu Extension .. .. .	166	1 10	176	1 2	342	3 0
Te Ohu Telephone Extension .. .. .	..	..	46	3 11	46	3 11
Napier-Waipawa (metallic circuit) .. .. .	451	17 10	321	14 7	773	12 5
Hastings-Taradale (metallic circuit) .. .. .	..	..	269	0 7	269	0 7
Wanganui-Raetihi (Oruakukuri and Ore Ore) .. .. .	67	6 2	84	14 11	152	1 1
Orangimea-Rangitautau-Puao Extension .. .. .	1	10 0	..	..	1	10 0
Makahiki Telephone-office .. .. .	..	..	4	9 5	4	9 5
Waverley-Waitotara (metallic circuit) .. .. .	46	2 4	170	6 7	216	8 11
Nukuhau Extension .. .. .	0	16 11	..	..	0	16 11
Mangarimu Telephone-office .. .. .	1	0 0	4	11 4	5	11 4
Ruaroa Extension .. .. .	6	7 0	..	..	6	7 0
Matatera Extension .. .. .	2	7 6	40	19 8	43	7 2
Ohakea Extension .. .. .	22	0 4	19	2 11	41	3 3
Whakaronga Extension .. .. .	4	12 6	15	18 5	20	10 11
Palmerston North - Wanganui .. .. .	256	0 5	..	..	256	0 5
Wellington - Palmerston North (metallic circuit) .. .. .	471	16 7	110	19 11	582	16 6
Foxton - Levin (metallic circuit) .. .. .	18	8 8	..	..	18	8 8
Putara Party Line .. .. .	..	..	18	2 6	18	2 6
Masterton-Alfredton (metallic circuit) .. .. .	333	11 9	870	4 6	1,203	16 3
Carterton-Gladstone .. .. .	..	..	26	18 10	26	18 10
Wellington - Porirua Extension .. .. .	27	19 0	179	4 0	207	3 0
Wellington-Kaiwarra (metallic circuit) .. .. .	..	..	13	5 7	13	5 7
Hikunga Telephone Extension .. .. .	0	2 6	..	..	0	2 6
Karamata Office .. .. .	..	..	3	18 3	3	18 3
Telegraph Office, new G.P.O., Wellington .. .. .	167	6 2	..	..	167	6 2
Wellington-Hataitai .. .. .	..	..	3	12 5	3	12 5
Wellington Wireless Station .. .. .	5,581	17 0	..	..	5,581	17 0
Karori Bureau .. .. .	..	..	3	16 4	3	16 4
Chatham Islands Wireless .. .. .	239	17 6	..	..	239	17 6
Port Hardy Telephone Extension .. .. .	52	15 1	179	15 0	232	10 1
Te Puru Extension .. .. .	14	12 9	9	19 0	24	11 9
Onakaka Telephone Extension .. .. .	12	16 6	26	11 11	39	8 5
Makiri Telephone Extension .. .. .	3	14 0	4	8 7	8	2 7
Tasman Telephone Extension .. .. .	51	3 3	78	4 10	129	8 1
Picton-Mahakipawa-Havelock and Mahakipawa-Manarora (metallic circuit) .. .. .	83	15 8	339	4 9	423	0 5
Carried forward .. .. .	34,342	14 3	10,940	18 1	45,293	12 4

TABLE NO. 6—continued.

STATEMENT showing the EXPENDITURE ON TELEGRAPHS—continued.

Line.	Expenditure during Twelve Months ended 31st March, 1913.					
	Expenditure.		Material issued from Stores.		Total Cost during the Year.	
	£	s. d.	£	s. d.	£	s. d.
Brought forward .. .. .	34,342	14 3	10,940	18 1	45,293	12 4
New Wires—continued.						
Havelock—Timatangi .. .. .	175	6 0	368	9 3	543	15 3
Ward—Kekerangu .. .. .	132	8 5	0	11 5	132	19 10
Fabian's Valley Extension .. .. .	..	..	4	7 2	4	7 2
Kawatiri—Glenhope .. .. .	2	1 2	0	1 3	2	2 5
Horopai Telephone-office .. .. .	..	..	4	7 4	4	7 4
Mangatina Telephone Extension .. .. .	48	13 1	35	5 7	83	18 8
Aweko Telephone Extension .. .. .	6	6 0	8	19 8	15	5 8
Berlin's Extension .. .. .	163	0 8	155	4 2	318	4 10
Charleston—Tiromoana Extension .. .. .	116	7 4	1	7 7	117	14 11
Waikowhai Telephone Extension .. .. .	29	8 5	..	..	29	8 5
Hapuku—Clarence Bridge (metallic circuit) .. .. .	106	3 1	71	1 11	177	5 0
Kaikoura—Hapuku (metallic circuit) .. .. .	9	15 3	146	7 10	156	3 1
Greymouth—Stillwater .. .. .	7	13 0	92	6 3	99	19 3
Hokitika—Kumara Telephone-wire .. .. .	..	..	86	12 5	86	12 5
Mahinapua Telephone-office .. .. .	9	16 3	..	..	9	16 3
Hokitika—Kanieri—Forks—Ruatapu (metallic circuit) .. .. .	..	..	67	3 10	67	3 10
Herepo Extension .. .. .	..	..	0	13 11	0	13 11
Harihari Extension .. .. .	0	11 8	..	..	0	11 8
Lower Cook River Settlement .. .. .	..	..	12	9 5	12	9 5
Tokamo Telephone Extension .. .. .	30	12 10	18	4 1	48	16 11
Christchurch—Kaikoura (metallic circuit) .. .. .	..	..	1,035	3 10	1,035	3 10
Mason River Deviation .. .. .	1	5 0	..	..	1	5 0
Amberley—Waipara (metallic circuit) .. .. .	..	..	21	12 5	21	12 5
Sheffield—Springfield (metallic circuit) .. .. .	40	1 0	34	14 5	74	15 5
Kirwee—Courtenay .. .. .	..	..	0	6 6	0	6 6
Whakahua Extension .. .. .	138	13 6	1	4 11	139	18 5
Kirwee—Darfield .. .. .	..	..	1	15 0	1	15 0
Sheffield—Darfield (metallic circuit) .. .. .	84	10 2	59	11 11	144	2 1
Darfield—Christchurch .. .. .	..	..	61	19 7	61	19 7
Breezes Road Extension .. .. .	..	..	4	5 8	4	5 8
New Brighton and North New Brighton .. .. .	39	4 6	10	16 1	50	0 7
South Brighton Telephone-office .. .. .	..	..	11	10 0	11	10 0
New Brighton Wireless Station .. .. .	0	2 0	..	..	0	2 0
St. Martin's Line .. .. .	..	..	5	15 1	5	15 1
Hororata—Whitecliffs (metallic circuit) .. .. .	82	11 2	15	9 9	98	0 11
Cashmere Hills .. .. .	..	..	3	7 7	3	7 7
Burnham School Telephone Extension .. .. .	2	14 2	8	13 0	11	7 2
East Oxford .. .. .	..	..	146	10 6	146	10 6
Ladbrooks Extension .. .. .	14	14 0	34	15 7	49	9 7
Lyndhurst—Methven (metallic circuit) .. .. .	42	18 8	..	..	42	18 8
Glentunnel Bureau .. .. .	..	..	3	2 0	3	2 0
Irwell Telephone Extension .. .. .	10	2 0	17	13 9	27	15 9
Te Pirita (metallic circuit) .. .. .	..	..	4	4 2	4	4 2
Christchurch—Rakaia (metallic circuit) .. .. .	183	8 10	564	9 11	747	18 9
Bankside Telephone Extension .. .. .	..	..	29	13 11	29	13 11
Huhuka—Turnbull River Extension .. .. .	52	3 4	0	3 3	52	6 7
Sherwood Downs Extension .. .. .	29	8 0	19	0 3	48	8 3
Tripp Telephone Extension .. .. .	62	3 8	18	9 9	80	13 5
Hinds (metallic circuit) .. .. .	6	4 11	..	..	6	4 11
Lynnford Extension .. .. .	1	7 7	14	8 6	15	16 1
Maranon Extension .. .. .	15	2 0	12	12 8	27	14 8
Christchurch—Timaru (metallic circuit) .. .. .	580	17 3	1,528	16 9	2,109	14 0
Peel Forest Bureau .. .. .	..	..	0	7 0	0	7 0
Pleasant Valley—Te Moana Extension .. .. .	110	7 8	40	17 6	151	5 2
Rangitata Island Extension .. .. .	0	11 6	30	16 9	31	8 3
Pleasant Point (new office) .. .. .	..	..	11	6 1	11	6 1
Chamberlain Extension .. .. .	4	0 6	..	..	4	0 6
Esk Valley Extension .. .. .	185	15 9	31	2 5	216	18 2
Lyalldale—Esk Valley .. .. .	..	..	24	13 0	24	13 0
Pareora—St. Andrew's (metallic circuit) .. .. .	12	12 0	12	15 2	25	7 2
St. Andrew's—Makikihi .. .. .	19	13 8	32	9 3	52	2 11
Makikihi Toll Line .. .. .	..	..	2	6 8	2	6 8
Willowbridge—Waimate .. .. .	7	2 10	2	6 8	9	9 6
Timaru—Glenavy—Oamaru Trunk .. .. .	..	..	11	17 3	11	17 3
Kuriheka Telephone Extension .. .. .	1	11 0	..	..	1	11 0
Green Island Morse .. .. .	..	..	0	11 0	0	11 0
Bendigo Extension .. .. .	..	..	0	5 3	0	5 3
Lindis Pass Telephone Extension .. .. .	384	0 4	49	8 2	433	8 6
Roslyn Telephone-office .. .. .	..	..	6	6 7	6	6 7
Pukehiki Telephone-office .. .. .	..	..	5	8 1	5	8 1
Kyeburn Diggings Telephone Extension .. .. .	198	3 5	34	11 0	232	14 5
Newborough Telephone Bureaux .. .. .	11	9 0	10	2 7	21	11 7
Middlemarch—Mount Stoker Telephone Extension .. .. .	323	0 5	..	..	323	0 5
Carried forward .. .. .	37,826	17 3	15,992	8 4	53,819	5 7

TABLE No. 6—continued.  
STATEMENT showing the EXPENDITURE on TELEGRAPHS—continued.

Line.	Expenditure during Twelve Months ended 31st March, 1913.					
	Expenditure.		Material issued from Stores.		Total Cost dur- ing the Year.	
	£	s. d.	£	s. d.	£	s. d.
Brought forward .. .. .	37,826	17 3	15,992	8 4	53,819	5 7
New Wires—continued.						
Heathfield Telephone-office .. .. .		0 10 0		3 0 3		3 10 3
Parkhill Telephone Extension .. .. .		.. .. .		0 10 0		0 10 0
Poatiri Telephone Extension .. .. .		10 0 0		8 19 5		18 19 5
Glenleith Telephone Bureaux .. .. .		9 7 3		16 2 5		25 9 8
Pararahi Extension .. .. .		99 6 0		0 17 3		100 3 3
North Chatton Telephone Extension .. .. .		43 5 6		20 18 6		64 4 0
Otautau-Nightcaps (metallic circuit) .. .. .		126 13 9		130 12 10		257 6 7
Invercargill-Lumsden (metallic circuit) .. .. .		272 4 9		646 9 5		918 14 2
Manuka Creek Telephone-office .. .. .		0 1 8		.. .. .		0 1 8
Te Houka Telephone Extension .. .. .		61 7 4		27 12 11		89 0 3
Glencoe Telephone Extension .. .. .		259 11 11		36 19 4		296 11 3
Parawa Telephone-office .. .. .		.. .. .		6 5 1		6 5 1
Mabel Bush Telephone Extension .. .. .		19 4 3		14 10 3		33 14 6
Bluff (metallic circuit) .. .. .		.. .. .		509 13 9		509 13 9
Dacre Extension .. .. .		79 11 1		15 9 3		95 0 4
Winton (metallic circuit) .. .. .		.. .. .		12 0 8		12 0 8
Wenzies Ferry Telephone Extension .. .. .		33 15 8		1 19 7		35 15 3
Owaka-Balclutha Trunk Wire .. .. .		258 8 6		180 9 4		438 17 10
Hinahina Telephone Extension .. .. .		30 14 1		8 19 5		39 13 6
Invercargill-Riverton (metallic circuit) .. .. .		73 4 8		198 3 0		271 7 8
*Awarua Wireless .. .. .		6,085 1 2		.. .. .		6,085 1 2
Etal Creek Telephone Extension .. .. .		256 16 10		29 4 3		286 1 1
Turi Telephone Extension .. .. .		1 13 0		.. .. .		1 13 0
		45,547 14 8		17,861 5 3		63,408 19 11
Total Telephone Exchanges and New Wires .. .. .		103,294 0 5		85,112 16 3		188,406 16 8
Stock of materials increased during the year by .. .. .		.. .. .		62,967 17 0		62,967 17 0
Total expenditure during the year ended 31st March, 1913		103,294 0 5		148,080 13 3		251,374 13 8
Total expenditure to 31st March, 1912 .. .. .		.. .. .		.. .. .		2,025,750 14 6
Total expenditure, 1912-13 .. .. .		.. .. .		.. .. .		251,374 13 8
Liabilities at 31st March, 1913 .. .. .		.. .. .		.. .. .		2,277,125 8 2
		.. .. .		.. .. .		171,297 1 0
Total expenditure and liabilities .. .. .		.. .. .		.. .. .		2,448,422 9 2

TABLE No. 7.

STATEMENT showing the EXPENDITURE on PUBLIC BUILDINGS out of Public Works Fund to 31st March, 1913, and the LIABILITIES on that Date.

	Total Expenditure to 31st March, 1912.		Expenditure for Year ended 31st March, 1913.		Total Expenditure to 31st March, 1913.		Liabilities on Authorities, Contracts, &c., 31st March, 1913.		Total Expenditure and Liabilities	
	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
Judicial .. .. .	726,414	5 11	45,430	18 3	771,845	4 2	10,760	17 11	782,606	2 1
Postal and Telegraph .. .. .	907,822	18 11	122,999	8 0	1,030,822	6 11	29,970	3 7	1,060,792	10 6
Customs .. .. .	49,440	16 11	.. .. .	.. .. .	49,440	16 11	.. .. .	.. .. .	49,440	16 11
Offices for Public Departments .. .. .	364,983	4 6	42,087	9 3	407,070	13 9	25,689	11 8	432,760	5 5
Mental Hospitals .. .. .	606,442	17 5	46,181	4 7	652,624	2 0	6,345	13 10	658,969	15 10
Alexandra Depot, Wellington .. .. .	8,083	9 6	.. .. .	.. .. .	8,083	9 6	.. .. .	.. .. .	8,083	9 6
School Buildings .. .. .	1,970,351	6 0	105,000	2 0	2,075,351	8 0	4,789	12 10	2,080,141	0 10
Hospitals .. .. .	128,091	19 4	8,750	3 3	136,842	2 7	.. .. .	.. .. .	136,842	2 7
Quarantine Stations .. .. .	6,863	19 5	.. .. .	.. .. .	6,863	19 5	.. .. .	.. .. .	6,863	19 5
Parliament Buildings .. .. .	75,949	7 5	.. .. .	.. .. .	75,949	7 5	.. .. .	.. .. .	75,949	7 5
Parliament Buildings: New buildings .. .. .	1,801	5 11	15,841	2 6	17,642	8 5	1,552	17 0	19,195	5 5
Parliament Buildings: Alterations to streets surrounding grounds and purchase of land .. .. .	309	16 11	2,965	0 4	3,274	17 3	3 10 9	.. .. .	3,278	8 0
Government House, Wellington (land and new building) .. .. .	57,387	11 10	1,044	19 7	58,432	11 5	.. .. .	.. .. .	58,432	11 5
Agricultural .. .. .	34,998	11 7	*6,474	14 11	41,473	6 6	323	7 9	41,796	14 3
Public Health .. .. .	32,377	19 4	375	13 0	32,753	12 4	.. .. .	.. .. .	32,753	12 4
Workers' Dwellings .. .. .	22,644	6 6	46,454	17 5	69,099	3 11	.. .. .	.. .. .	69,099	3 11
Miscellaneous .. .. .	48,063	10 7	1,586	9 5	49,650	0 0	1,474	15 7	51,124	15 7
Totals .. .. .	5,042,032	8 0	445,192	2 6	5,487,224	10 6	80,910	10 11	5,568,135	1 5

\* Includes £50 charged to "unauthorised."

TABLE NO. 8.

STATEMENT showing the EXPENDITURE on LIGHTHOUSES, HARBOUR-WORKS, and HARBOUR-DEFENCES out of Public Works Fund, to 31st March, 1913, and the LIABILITIES on that Date.

	Total Expenditure to 31st March, 1912.	Net Expenditure during Twelve Months ended 31st March, 1913.	Total Expenditure to 31st March, 1913.	Liabilities on Authorities, Contracts, &c., to 31st March, 1913.	Total Expenditure and Liabilities.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
<b>LIGHTHOUSES.</b>					
Akaroa .. .. .	7,148 16 5	.. .. .	7,148 16 5	.. .. .	7,148 16 5
Brothers .. .. .	6,241 0 0	.. .. .	6,241 0 0	.. .. .	6,241 0 0
Cape Brett .. .. .	11,237 3 5	.. .. .	11,237 3 5	.. .. .	11,237 3 5
Cape Campbell .. .. .	4,218 3 9	.. .. .	4,218 3 9	.. .. .	4,218 3 9
Cape Egmont .. .. .	3,354 6 4	.. .. .	3,354 6 4	.. .. .	3,354 6 4
Cape Foulwind .. .. .	6,955 9 1	.. .. .	6,955 9 1	.. .. .	6,955 9 1
Cape Kidnappers .. .. .	2,109 11 7	.. .. .	2,109 11 7	.. .. .	2,109 11 7
Cape Maria van Diemen .. .. .	7,614 13 11	.. .. .	7,614 13 11	.. .. .	7,614 13 11
Cape Palliser .. .. .	7,312 9 6	.. .. .	7,312 9 6	.. .. .	7,312 9 6
Cape Saunders .. .. .	6,066 6 3	.. .. .	6,066 6 3	.. .. .	6,066 6 3
Castle Point .. .. .	3,586 16 7	5,808 12 8	9,395 9 3	28 4 4	9,423 13 7
Centre Island .. .. .	5,785 19 0	.. .. .	5,785 19 0	.. .. .	5,785 19 0
Chicken Island .. .. .	49 10 1	962 1 9	1,011 11 10	.. .. .	1,011 11 10
Cuvier Island .. .. .	7,405 9 11	.. .. .	7,405 9 11	.. .. .	7,405 9 11
Dieffenbach Point .. .. .	311 12 11	4 7 0	315 19 11	.. .. .	315 19 11
East Cape .. .. .	9,270 13 9	.. .. .	9,270 13 9	.. .. .	9,270 13 9
Fog-signals .. .. .	2,341 8 0	.. .. .	2,341 8 0	.. .. .	2,341 8 0
French Pass Beacon .. .. .	668 15 8	.. .. .	668 15 8	.. .. .	668 15 8
French Pass .. .. .	1,427 17 5	.. .. .	1,427 17 5	.. .. .	1,427 17 5
Godley Head Fog-signal, protection of road .. .. .	152 2 0	.. .. .	152 2 0	.. .. .	152 2 0
Hokitika .. .. .	801 9 7	.. .. .	801 9 7	.. .. .	801 9 7
Jackson's Reef Beacon .. .. .	3,180 0 5	.. .. .	3,180 0 5	.. .. .	3,180 0 5
Jackson's Head Beacon .. .. .	1,220 0 7	.. .. .	1,220 0 7	.. .. .	1,220 0 7
Jack's Point .. .. .	1,204 10 9	.. .. .	1,204 10 9	.. .. .	1,204 10 9
Kahurangi Point .. .. .	9,528 1 1	.. .. .	9,528 1 1	.. .. .	9,528 1 1
Kaipara .. .. .	5,571 8 0	.. .. .	5,571 8 0	.. .. .	5,571 8 0
Manukau Heads .. .. .	600 13 11	.. .. .	600 13 11	.. .. .	600 13 11
Marine Store .. .. .	499 11 3	11 8 0	510 19 3	.. .. .	510 19 3
North Cape .. .. .	.. .. .	2,049 9 6	2,049 9 6	.. .. .	2,049 9 6
Moeraki .. .. .	2,943 1 11	.. .. .	2,943 1 11	.. .. .	2,943 1 11
Moko Hinou .. .. .	8,185 11 0	.. .. .	8,185 11 0	.. .. .	8,185 11 0
Nugget Point (dwellings) .. .. .	746 6 6	.. .. .	746 6 6	.. .. .	746 6 6
Portland Island .. .. .	6,554 14 5	.. .. .	6,554 14 5	.. .. .	6,554 14 5
Puysegur Point .. .. .	9,958 19 5	.. .. .	9,958 19 5	.. .. .	9,958 19 5
Stephen Island .. .. .	9,454 18 5	.. .. .	9,454 18 5	.. .. .	9,454 18 5
Sugarloaf Light .. .. .	.. .. .	175 0 0	175 0 0	.. .. .	175 0 0
Timaru .. .. .	1,116 17 3	.. .. .	1,116 17 3	.. .. .	1,116 17 3
Tiritiri Cable .. .. .	1,085 19 6	.. .. .	1,085 19 6	.. .. .	1,085 19 6
Tory Channel .. .. .	353 7 7	.. .. .	353 7 7	.. .. .	353 7 7
Tuahine Point .. .. .	2,312 12 6	19 13 6	2,332 6 0	.. .. .	2,332 6 0
Waipapapa Point .. .. .	5,969 18 11	.. .. .	5,969 18 11	.. .. .	5,969 18 11
Miscellaneous, including expenditure on s.s. "Hinemoa" and "Stella" .. .. .	20,866 18 1	.. .. .	20,866 18 1	.. .. .	20,866 18 1
<b>Total Lighthouses .. .. .</b>	<b>185,413 6 8</b>	<b>9,080 12 5</b>	<b>194,443 19 1</b>	<b>28 4 4</b>	<b>194,472 3 5</b>
<b>HARBOUR-WORKS.</b>					
Awanui Wharf and shed .. .. .	100 0 0	.. .. .	100 0 0	.. .. .	100 0 0
Horeke Wharf .. .. .	352 6 6	.. .. .	352 6 6	.. .. .	352 6 6
Kohukohu reclamation wall .. .. .	35 9 11	252 8 0	287 17 11	.. .. .	287 17 11
Motukaraka Wharf .. .. .	.. .. .	.. .. .	.. .. .	200 0 0	200 0 0
New house for boatman, Hokianga Harbour .. .. .	289 17 0	.. .. .	289 17 0	.. .. .	289 17 0
Kaipara, removal of rocks .. .. .	1,091 3 7	533 11 10	1,624 15 5	.. .. .	1,624 15 5
Kaipara, Shelly Beach Beacon .. .. .	147 2 8	136 10 6	283 13 2	.. .. .	283 13 2
Raupo, Otamatea, wharf repairs .. .. .	Cr. 80 8 9	.. .. .	Cr. 80 8 9	.. .. .	Cr. 80 8 9
Tangiteroria Wharf .. .. .	200 0 0	.. .. .	200 0 0	.. .. .	200 0 0
Tangaihi Wharf .. .. .	.. .. .	225 0 0	225 0 0	.. .. .	225 0 0
Kirikopuni Wharf .. .. .	150 0 0	.. .. .	150 0 0	.. .. .	150 0 0
Maungaturoto Wharf .. .. .	250 0 0	.. .. .	250 0 0	.. .. .	250 0 0
Wharf at Howick .. .. .	1,087 18 2	.. .. .	1,087 18 2	.. .. .	1,087 18 2
Manukau Wharf at Sandspit .. .. .	150 0 0	.. .. .	150 0 0	.. .. .	150 0 0
Manukau Harbour Endowment, cut- ting up and roading .. .. .	677 16 9	534 13 9	1,212 10 6	.. .. .	1,212 10 6
Leigh Wharf .. .. .	.. .. .	.. .. .	.. .. .	142 19 8	142 19 8
Pollok Wharf, Manukau .. .. .	150 0 0	.. .. .	150 0 0	.. .. .	150 0 0
Whangarei Heads Wharf .. .. .	600 0 0	.. .. .	600 0 0	.. .. .	600 0 0
Waipu, improvement of river .. .. .	1,000 0 0	.. .. .	1,000 0 0	.. .. .	1,000 0 0
Waiwera Wharf .. .. .	350 0 0	.. .. .	350 0 0	.. .. .	350 0 0
Wade River, clearing .. .. .	105 1 6	750 0 0	855 1 6	.. .. .	855 1 6
Puhoi River, clearing .. .. .	79 19 0	.. .. .	79 19 0	.. .. .	79 19 0
Awhitu Wharf .. .. .	50 0 0	.. .. .	50 0 0	.. .. .	50 0 0
Matakana Harbour .. .. .	651 8 6	4 5 6	655 14 0	17 1 8	672 15 8
Onehunga, examining-room and office .. .. .	194 3 2	.. .. .	194 3 2	.. .. .	194 3 2

TABLE NO. 8—*continued.*STATEMENT showing the EXPENDITURE on LIGHTHOUSES, HARBOUR-WORKS, and HARBOUR-DEFENCES out of Public Works Fund, &c.—*continued.*

	Total Expenditure to 31st March, 1912.	Net Expenditure during Twelve Months ended 31st March, 1913.	Total Expenditure to 31st March, 1913.	Liabilities on Authorities, Contracts, &c., to 31st March, 1913.	Total Expenditure and Liabilities.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
<i>HARBOUR-WORKS—continued.</i>					
Onehunga, dredging, &c., near wharf	758 8 3	..	758 8 3	..	758 8 3
Orua Bay Wharf ..	144 16 4	..	144 16 4	..	144 16 4
Port Fitzroy, Great Barrier Wharf ..	8 0 0	..	8 0 0	..	8 0 0
Huia Wharf ..	252 17 3	..	252 17 3	..	252 17 3
Graham Beach Wharf ..	50 0 0	..	50 0 0	..	50 0 0
Waitemata: Deep Creek Wharf ..	50 0 0	..	50 0 0	..	50 0 0
Warkworth Wharf ..	1 16 6	..	1 16 6	..	1 16 6
Waiuku Channel ..	357 11 6	..	357 11 6	..	357 11 6
Waiuku berthage and wharf accom- modation	150 0 0	..	150 0 0	..	150 0 0
Waiuku-Waikato Canal survey ..	11 6 2	..	11 6 2	..	11 6 2
Mercury Bay Wharf ..	328 14 6	..	328 14 6	..	328 14 6
Coromandel Wharf ..	Cr. 0 10 0	..	Cr. 0 10 0	..	Cr. 0 10 0
Cabbage Bay Wharf ..	461 1 0	..	461 1 0	17 0 0	478 1 0
Omokoroa Wharf ..	150 0 0	..	150 0 0	..	150 0 0
Uretara Wharf ..	100 0 0	..	100 0 0	..	100 0 0
Matata Wharf ..	50 0 0	..	50 0 0	..	50 0 0
Opotiki Wharf ..	500 0 0	..	500 0 0	..	500 0 0
Waikokopu Harbour ..	831 19 7	..	831 19 7	..	831 19 7
Wairoa Harbour ..	1,500 0 0	..	1,500 0 0	..	1,500 0 0
Nuhaka, land for harbour purposes ..	141 12 6	..	141 12 6	..	141 12 6
Napier Harbour ..	4,097 14 9	..	4,097 14 9	..	4,097 14 9
Lemon Point Wharf ..	..	300 0 0	300 0 0	..	300 0 0
Awakino River improvements ..	3 9 6	106 10 11	110 0 5	9 3 4	119 3 9
Mokau Wharf ..	312 13 9	250 0 0	562 13 9	..	562 13 9
Mokau River improvements ..	50 0 0	..	50 0 0	..	50 0 0
Ruakiwi Wharf ..	..	100 0 0	100 0 0	..	100 0 0
Waitara Harbour ..	2,000 0 0	..	2,000 0 0	..	2,000 0 0
Waikawau River, removal of rock at entrance	50 0 0	..	50 0 0	..	50 0 0
Patea River, removing eel-weirs ..	50 0 0	..	50 0 0	..	50 0 0
Patea River, snagging ..	100 0 0	..	100 0 0	..	100 0 0
Waitotara River, snagging ..	555 1 3	..	555 1 3	..	555 1 3
Manawatu River, snagging ..	214 13 3	..	214 13 3	..	214 13 3
Foxton Marine Reserve, Protection of Castlepoint Jetty ..	50 0 0	..	50 0 0	..	50 0 0
Pictou, removal of old wharf ..	51 14 1	..	51 14 1	..	51 14 1
Havelock Harbour ..	94 0 0	..	94 0 0	..	94 0 0
Wairangi Bay Wharf, Croixelles ..	750 0 11	..	750 0 11	..	750 0 11
Nelson, dredging harbour ..	58 13 8	..	58 13 8	..	58 13 8
Elmslie Bay Wharf ..	2,806 15 8	..	2,806 15 8	..	2,806 15 8
Waikawa Bay Wharf ..	150 0 0	..	150 0 0	..	150 0 0
Elaine Bay Wharf ..	85 0 0	..	85 0 0	..	85 0 0
Motueka Wharf, protection ..	50 0 0	..	50 0 0	..	50 0 0
Tata Islands harbour of refuge ..	300 0 0	..	300 0 0	..	300 0 0
Takaka Harbour ..	1,743 1 7	..	1,743 1 7	..	1,743 1 7
Collingwood Harbour ..	127 15 9	215 11 10	343 7 7	..	343 7 7
Pakawau Wharf ..	1,170 18 8	..	1,170 18 8	..	1,170 18 8
Little Wanganui Wharf, wharf ap- proach, and snagging river	2 0 0	..	2 0 0	..	2 0 0
German Bay Wharf ..	336 0 10	116 13 3	452 14 1	..	452 14 1
Karamea Wharf ..	..	100 0 0	100 0 0	..	100 0 0
Karamea River improvements ..	656 4 11	..	656 4 11	..	656 4 11
Karamea Harbour Light ..	6,000 3 5	2,924 16 4	8,924 19 9	65 6 6	8,990 6 3
Westport Harbour ..	100 3 11	..	100 3 11	..	100 3 11
Point Elizabeth Harbour ..	14,110 18 7	..	14,110 18 7	..	14,110 18 7
Greymouth Harbour ..	1,415 6 7	..	1,415 6 7	..	1,415 6 7
Hokitika Harbour ..	127,233 19 6	..	127,233 19 6	..	127,233 19 6
Okarito Harbour ..	58,780 5 10	..	58,780 5 10	..	58,780 5 10
Okuru Wharf and River improve- ments	1,504 17 7	..	1,504 17 7	..	1,504 17 7
Portobello Fish-hatchery Ponds ..	812 15 9	..	812 15 9	..	812 15 9
Martin's Bay, removal of rock ..	250 0 0	..	250 0 0	..	250 0 0
Martin's Bay shed ..	5 0 0	..	5 0 0	..	5 0 0
Holyford River, removal of rocks ..	14 13 10	..	14 13 10	..	14 13 10
Jackson's Bay Jetty ..	370 12 1	..	370 12 1	..	370 12 1
Cape Campbell Lighthouse Jetty ..	32 6 4	..	32 6 4	..	32 6 4
Kaikoura Jetty and Harbour ..	6 5 0	..	6 5 0	..	6 5 0
Kaikoura Wharf ..	3,276 16 10	..	3,276 16 10	..	3,276 16 10
Akaroa-Le Bon's Bay Wharf, repairs ..	1,004 11 6	..	1,004 11 6	..	1,004 11 6
Lyttelton, reclamation-works, Stick- ing Point	55 0 0	..	55 0 0	..	55 0 0
Wellington Meteorological Observa- tory	1,910 18 10	..	1,910 18 10	..	1,910 18 10
Port Levy Jetty ..	..	268 6 2	268 6 2	..	268 6 2
Timaru Harbour ..	250 0 0	..	250 0 0	..	250 0 0
Chatham Islands: Waitangi, removal and extension of wharf and store	100,000 0 0	..	100,000 0 0	..	100,000 0 0
	90 0 0	..	90 0 0	..	90 0 0



TABLE NO. 8—*continued.*STATEMENT showing the EXPENDITURE on LIGHTHOUSES, HARBOUR-WORKS, and HARBOUR-DEFENCES out of Public Works Fund, &c.—*continued.*

	Total Expenditure to 31st March, 1912.	Net Expenditure during Twelve Months ended 31st March, 1913.	Total Expenditure to 31st March, 1913.	Liabilities on Authorities, Contracts, &c., to 31st March, 1913.	Total Expenditure and Liabilities.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
<i>HARBOUR-WORKS—continued.</i>					
Chatham Islands: Shed at Pitt Island	1 10 0	..	1 10 0	..	1 10 0
Taiaroa Heads Lighthouse, enlarging and repairing dwelling	83 7 1	..	83 7 1	..	83 7 1
Moeraki Boat-slip .. ..	175 0 0	..	175 0 0	..	175 0 0
Dunedin, St. Clair, protection of Ocean Beach	532 12 8	..	532 12 8	..	532 12 8
Brighton Boat Harbour .. ..	25 12 6	..	25 12 6	..	25 12 6
Waikouaiti River improvements ..	100 0 0	..	100 0 0	..	100 0 0
Toitois Jetty .. ..	1,000 0 0	..	1,000 0 0	..	1,000 0 0
Balclutha Jetty .. ..	250 0 0	..	250 0 0	..	250 0 0
Nugget Bay, landing-slip, &c. ..	690 1 11	261 11 5	951 13 4	..	951 13 4
Tautuku Wharf and River improvements	200 0 0	..	200 0 0	..	200 0 0
Catlin's River, removal of rocks ..	277 19 0	..	277 19 0	..	277 19 0
Catlin's River Jetty .. ..	1,015 7 7	..	1,015 7 7	..	1,015 7 7
Queenstown Beacon .. ..	35 0 0	..	35 0 0	..	35 0 0
Queenstown Jetty .. ..	297 8 0	..	297 8 0	..	297 8 0
Stewart Island Wharf, Horseshoe Bay	780 0 0	..	780 0 0	..	780 0 0
Stewart Island, snagging Fresh-water River	500 0 0	..	500 0 0	..	500 0 0
Stewart Island: Wharf, Golden Bay	100 0 0	..	100 0 0	..	100 0 0
Stewart Island: Wharf, Half-moon Bay	750 0 0	300 0 0	1,050 0 0	..	1,050 0 0
Raising dredge "Hapuka" .. ..	777 7 9	..	777 7 9	..	777 7 9
Grab dredge for harbour-works ..	635 0 10	22 8 5	657 9 3	23 14 2	662 13 5
Miscellaneous .. ..	407 10 0	12 14 6	420 4 6	..	420 4 6
Total Harbour-works .. ..	355,204 3 1	7,415 2 5	362,619 5 6	475 5 4	363,094 10 10
<i>HARBOUR-DEFENCES.</i>					
Guns .. ..	147,768 18 10	..	147,768 18 10	..	147,768 18 10
Ammunition .. ..	24,531 6 7	..	24,531 6 7	..	24,531 6 7
War Office stores .. ..	9,933 10 9	..	9,933 10 9	..	9,933 10 9
Torpedo-boats and torpedoes .. ..	20,203 13 7	..	20,203 13 7	..	20,203 13 7
Submarine-mining stores .. ..	17,665 2 2	..	17,665 2 2	..	17,665 2 2
Miscellaneous .. ..	18,009 5 10	..	18,009 5 10	..	18,009 5 10
Works in Dominion .. ..	264,365 10 6	339 7 0	264,704 17 6	24 0 0	264,728 17 6
Land for depots and batteries .. ..	38,327 14 6	..	38,327 14 6	..	38,327 14 6
Total Harbour-defences .. ..	540,805 2 9	339 7 0	541,144 9 9	..	541,168 9 9
Grand total .. ..	1,081,422 2 2	16,785 1 10	1,098,207 4 0	527 9 8	1,098,734 13 8

## APPENDICES TO THE PUBLIC WORKS STATEMENT. 1913.

## APPENDIX A.

AUDITED STATEMENT OF EXPENDITURE ON PUBLIC WORKS  
OUT OF THE PUBLIC WORKS FUND FOR THE YEAR 1912-13.*Prepared in compliance with Section 8 of the Public Works Act, 1908.*

SIR,— Public Works Department, Wellington, 10th June, 1913.  
In compliance with the 8th section of the Public Works Act, 1908, I enclose a statement of the expenditure during the preceding financial year on all works and services chargeable to the Public Works Fund.

I have, &amp;c.,

W. FRASER,  
Minister of Public Works.

The Controller and Auditor-General, Wellington.

STATEMENT of NET EXPENDITURE on all WORKS and SERVICES chargeable to the PUBLIC WORKS  
FUND for the Year 1912-13.

Class.	Votes.	Summary.	Appropriation.	Expenditure.	Credit.	Net Expenditure
<b>PUBLIC WORKS FUND.</b>						
			£	£ s. d.	£ s. d.	£ s. d.
XVI	92	Public Works, Departmental ..	57,461	57,523 17 11	537 14 4	56,986 3 7
XVII	93-94	Railways .. .. .	1,304,500	1,158,669 11 8	9,837 7 3	1,148,832 4 5
XVIII	95-103	Public Buildings .. ..	479,377	453,894 14 6	8,752 12 0	445,142 2 6
XIX	104-106	Lighthouses, Harbour-works, and Harbour Defences	24,002	16,821 2 1	36 0 3	16,785 1 10
XX	107	Tourist and Health Resorts ..	15,000	12,973 8 10	67 13 11	12,905 14 11
XXI	108	Immigration .. .. .	20,000	47,875 4 9	33,418 16 11	14,456 7 10
XXII	109-111	Roads, Bridges, and other Public Works	580,450	392,652 6 4	18,306 13 0	374,345 13 4
XXIII	112	Development of Goldfields ..	14,560	14,643 7 4	3,999 8 8	10,643 18 8
XXIV	113	Telegraph Extension .. ..	225,000	284,120 12 10	32,745 19 2	251,374 13 8
XXV	114	Contingent Defence .. .. .	60,000	23,796 0 1	5 18 0	23,790 2 1
XXVI	115-116	Lands Improvement .. .. .	50,150	28,472 14 10	5,922 8 0	22,550 6 10
		Unauthorized .. .. .	..	1,580 0 9	853 4 11	726 15 10
		Total Public Works Fund ..	2,830,500	2,493,023 1 11	114,483 16 5	2,378,539 5 6

C. E. BENNETT,  
Accountant.

H. J. H. BLOW,  
Under-Secretary.

Examined and found correct.

ROBERT J. COLLINS,  
Controller and Auditor-General.

NOTE.—Charges and expenses of raising loans not included in above figures.  
(Details on next page.)

## APPENDIX A—continued.

Vote No.	Name of Vote.	Appropriation.	Expenditure.			Credits.			Net Expenditure.		
		£	£	s.	d.	£	s.	d.	£	s.	d.
<b>PUBLIC WORKS FUND.</b>											
92	Public Works, Departmental—										
	Public Works, Departmental .. .. .	57,461	57,523	17	11	537	14	4	56,986	3	7
	Railways—										
	Railway-construction—										
	Kaihu Railway Extension .. .. .	15,000	8,799	19	6				8,799	19	6
	Kawakawa-Hokianga .. .. .	40,000	31,071	17	10	94	3	8	30,977	14	2
	Kawakawa-Grahamtown .. .. .	3,000	2,249	11	7	3	17	8	2,245	13	11
	North Auckland Main Trunk .. .. .	80,000	74,336	18	10	401	7	4	73,935	11	6
	Huntly-Awaroa .. .. .	20,000	11,749	3	4	17	4	3	11,731	19	1
	Raetihi—Main Trunk .. .. .	10,000	2,024	7	11	1	17	0	2,022	10	11
	East Coast Main Trunk—										
	Waihi-Tauranga .. .. .	5,000	5,362	17	9	0	1	6	5,362	16	3
	Tauranga-Paengaroa .. .. .	25,000	28,632	14	8	170	6	6	28,462	8	..
	Gisborne-Motu .. .. .	80,000	58,562	13	10	1,014	9	0	57,548	4	10
	Napier-Gisborne—										
	North End .. .. .	15,000	15,683	11	1	6	5	4	15,677	5	9
	South End .. .. .	12,000	11,444	3	10	5	15	2	11,438	8	8
	Mount Egmont Branch .. .. .	10,000	4,656	13	0				4,656	13	0
	Stratford—Main Trunk .. .. .	90,000	97,386	4	11	2,095	10	4	95,290	14	7
	Foxton—New Plymouth (Manawapau Deviation)	4,000	4,007	4	0				4,007	4	0
	South Island Main Trunk—										
	North End .. .. .	20,000	21,879	15	10	2	19	1	21,876	16	9
	South End .. .. .	30,000	24,390	0	4	425	7	0	23,964	13	4
93	Midland Railway—										
	Nelson End .. .. .	30,000	23,653	19	5	287	9	2	23,366	10	3
	Reefton End .. .. .	17,000	10,107	12	2	34	12	4	10,072	19	10
	Otira-Bealey .. .. .	70,000	62,119	3	6	310	4	7	61,808	18	11
	Broken River to Bealey .. .. .	50,000	36,925	9	7	139	13	5	36,785	16	2
	Westport-Inangahua .. .. .	20,000	18,779	10	6	68	3	3	18,711	7	3
	Ngahere-Blackball .. .. .										
	Greymouth—Point Elizabeth	12,000	9,979	13	8				9,979	13	8
	Ross-Mikonui .. .. .										
	Waimate Branch Extension .. .. .	5,000									
	Lawrence-Roxburgh .. .. .	20,000	17,393	17	7	2	4	4	17,391	13	3
	Catlin's—Waimahaka—										
	East End .. .. .	48,000	29,381	5	11	586	13	3	28,794	12	8
	West End .. .. .	2,000	510	18	4	14	16	0	496	2	4
	Winton—Heddon Bush .. .. .	8,000									
	Orepuki-Waiapu Extension .. .. .										
	Land Claims, &c. .. .. .	1,500	314	11	4	48	18	9	265	12	7
	Surveys, New Lines of Railway .. .. .	5,000	3,299	18	9	7	18	4	3,292	0	5
	Permanent-way Materials .. .. .	100,000	75,848	11	9	616	17	2	75,231	14	7
	Total Vote, Railway-construction .. .. .	847,500	690,552	10	9	6,356	14	5	684,195	16	4
94	Additions to Open Lines .. .. .	457,000	468,117	0	11	3,480	12	10	464,636	8	1
	Public Buildings—										
95	General .. .. .	*56,000	69,425	16	4	5,900	15	3	63,525	1	1
96	Judicial .. .. .	51,700	46,202	15	4	771	17	1	45,430	18	3
97	Postal and Telegraph .. .. .	†139,500	123,551	2	0	551	14	0	122,999	8	0
98	Agricultural .. .. .	10,000	6,424	14	11				6,424	14	11
99	Mental Hospitals .. .. .	45,000	46,248	2	1	66	17	6	46,181	4	7
100	Hospitals and Charitable Institutions .. .. .	9,677	8,892	3	3	142	0	0	8,750	3	3
101	Public Health .. .. .	1,000	375	13	0				375	13	0
102	School Buildings .. .. .	106,500	106,131	4	2	1,131	2	2	105,000	2	0
103	Workers' Dwellings .. .. .	60,000	46,643	3	5	188	6	0	46,454	17	5
	Lighthouses, Harbour-works, and Harbour Defences—										
104	Lighthouses .. .. .	10,000	9,038	14	6	8	2	1	9,030	12	5
105	Harbour-works .. .. .	11,502	7,443	0	7	27	18	2	7,415	2	5
106	Harbour Defences .. .. .	2,500	339	7	0				339	7	0
	Tourist and Health Resorts—										
107	Tourist and Health Resorts .. .. .	15,000	12,973	8	10	67	13	11	12,905	14	11
	Immigration—										
108	Immigration .. .. .	20,000	47,875	4	9	33,418	16	11	14,456	7	10
	Construction and Maintenance of Roads, Bridges, and other Public Works—										
109	Roads, &c. .. .. .	323,275	215,592	18	0	6,456	4	0	209,136	14	0
110	Backblocks Roads, &c. .. .. .	201,575	140,298	5	0	11,850	9	0	128,447	16	0
111	Road and other Works on Goldfields and Mineral Lands	50,600	36,761	3	4				36,761	3	4
	Development of Goldfields—										
112	Development of Goldfields .. .. .	14,560	14,643	7	4	3,999	8	8	10,643	18	8
	Telegraph Extension—										
113	Telegraph Extension .. .. .	225,000	284,120	12	10	32,745	19	2	251,374	13	8
	Contingent Defence—										
114	Contingent Defence .. .. .	60,000	23,796	0	1	5	18	0	23,790	2	1
	Lands Improvement—										
115	Improved-farm Settlements .. .. .	44,150	28,466	16	10	5,922	8	0	22,544	8	10
116	Lands, Miscellaneous .. .. .	6,000	5	18	0				5	18	0
	Unauthorized—										
	Services not provided for .. .. .		1,580	0	9	853	4	11	726	15	10
	Total Public Works Fund .. .. .	2,830,500	2,493,023	1	11	114,483	16	5	2,378,539	5	6

\* Inclusive of £5,000 transferred from Vote 97.

† Exclusive of £5,000 transferred to Vote 95.

## APPENDIX B.

STATEMENT of all LIABILITIES in respect of the Services of the Public Works Department outstanding at the Close of the Financial Year ended 31st March, 1913, prepared in Terms of Section 42 of the Public Revenues Act, 1910, and forwarded, as therein provided, to the Treasury.

Class.	Votes.	Summary.	Total.
PUBLIC WORKS FUND.			£ s. d.
XVI	92	Public Works, Departmental .. .. .	566 16 8
XVII	93	Railways .. .. .	111,899 3 0
XVIII	106	Lighthouses, Harbour Works, &c. .. .	24 0 0
XIX	95-99	Public Buildings .. .. .	76,120 18 1
XXIV	109-110	Construction of Roads, Bridges, &c. .. .	161,359 0 0
			349,969 17 9
CONSOLIDATED FUND.			
V	17-19	Public Buildings, Domains, and Maintenance of Roads .. .. .	7,003 6 1
OTHER ACCOUNTS.			
	123	Aid to Water-power Works Account .. .. .	132,162 1 4
	124	Irrigation and Water Supply .. .. .	50 0 0
	125	Waihou and Ohinemuri Rivers Improvement Account .. .. .	8,050 1 1
	126	Opening up Crown Lands for Settlement Account .. .. .	9,396 0 0
	127	National Endowment Account .. .. .	1,293 0 0
	..	Land for Settlements Account .. .. .	1,156 0 0
			152,107 2 5

Vote No.	Name of Vote.	Total.
PUBLIC WORKS FUND.		£ s. d.
92	Public Works, Departmental .. .. .	566 16 8
93	Railway-construction—	
	Kaihu Railway Extension .. .. .	397 16 9
	Kawakawa-Hokianga .. .. .	..
	Kawakawa-Grahamtown .. .. .	..
	North Auckland .. .. .	6,401 1 3
	Huntly-Awaroa .. .. .	3,646 17 1
	Waihi-Tauranga .. .. .	3 0 0
	Tauranga-Paengaroa .. .. .	3 0 0
	Gisborne-Motu .. .. .	286 6 4
	Napier-Gisborne, North End .. .. .	130 8 9
	Napier-Gisborne, South End .. .. .	5 5 0
	Mount Egmont Branch .. .. .	..
	Stratford—Main Trunk .. .. .	1,770 18 1
	Foxton - New Plymouth (Manawapou Deviation) .. .. .	..
	Raetihi—Main Trunk .. .. .	..
	South Island Main Trunk, North End .. .. .	3,932 5 2
	South Island Main Trunk, South End .. .. .	1,075 19 0
	Midland—	
	Nelson End .. .. .	835 13 6
	Reefton End .. .. .	..
	Otira to Bealey .. .. .	2,001 5 0
	Broken River to Bealey .. .. .	5,813 10 11
	Westport-Inangahua .. .. .	28,857 8 7
	Greymouth—Point Elizabeth .. .. .	1,958 4 6
	Lawrence-Roxburgh .. .. .	313 18 4
	Catlin's-Waimahaka .. .. .	3,228 16 11
	Surveys of New Lines—	
	North Island .. .. .	3 8 3
	South Island .. .. .	..
	Permanent-way Materials .. .. .	51,233 19 7
		111,899 3 0
95	Public Buildings—	
	General .. .. .	28,720 15 0
96	Judicial .. .. .	10,760 17 11
97	Postal and Telegraph .. .. .	29,970 3 7
98	Agricultural .. .. .	323 7 9
99	Mental Hospitals .. .. .	6,345 13 10
		76,120 18 1

APPENDIX B—*continued.*STATEMENT of all LIABILITIES in respect of the Services of the Public Works Department  
—*continued.*

Vote No.	Name of Vote.	Total.
<b>PUBLIC WORKS FUND—<i>continued.</i></b>		
		£ s. d.
106	Lighthouses, Harbour Works, &c.— Harbour Defences .. .. .	24 0 0
109	Construction of Roads, Bridges, &c.— Roads, &c. .. .. .	116,183 0 0
110	Back-block Roads, &c. .. .. .	45,176 0 0
		<u>161,359 0 0</u>
	Total, Public Works Fund..	<u>349,969 17 9</u>
<b>CONSOLIDATED FUND.</b>		
	Public Buildings, Domains, and Maintenance of Roads—	
17	Public Buildings .. .. .	3,487 6 1
18	Government Domains .. .. .	.. .. .
19	Maintenance and Improvement of Roads..	3,516 0 0
		<u>7,003 6 1</u>
<b>OTHER ACCOUNTS.</b>		
123	Aid to Water-power Works Account .. .. .	132,162 1 4
124	Irrigation and Water-supply .. .. .	50 0 0
125	Waikou and Ohinemuri Rivers Improvement Account— Waikou and Ohinemuri Rivers Improvement .. .. .	8,050 1 1
126	Opening up Crown Lands for Settlement Account— Roads to open up Crown Lands .. .. .	9,396 0 0
127	National Endowment Account— Roads to open up National Endowment Lands .. .. .	1,293 0 0
..	Land for Settlements Account (Roads Portion) .. .. .	1,156 0 0
	Total, Other Accounts .. .. .	<u>£152,107 2 5</u>

C. E. BENNETT,  
Accountant.H. J. H. BLOW,  
Under-Secretary

Public Works Department, 30th April, 1913.

APPENDIX C.

SCHEDULE of CONTRACTS CURRENT on the 1st April, 1912, and CONTRACTS ENTERED INTO by the Public Works Department during the Year ended 31st March, 1913.

Date of Contract.	Lines of Railway and Branches.	Name of Contract.	Name of Contractor.	Contract to be completed.	Date Contract was completed.	Amount of Contract.	Remarks.
						£ s. d.	
<b>RAILWAYS.</b>							
Jan. 6, 1912	Kaihu Railway Extension	Steel and Ironwork for Waimea Bridges	Andersons Limited	July 6, 1912	Dec. 3, 1912	1,773 4 0	Reductions, £2 18s.
" 9, "	" "	Hardwood Timber for Waimea Bridges	J. W. Wallace and Co.	July 9, "	" "	1,437 2 0	"
April 26, 1911	Kawakawa—Hokianga	" " for Ngapipito Bridges	Fraser and Co. (Limited)	Oct. 26, 1911	Nov. 27, 1912	845 0 2	£21 9s. 7d.
June 10, "	" "	Rolled Steel Joist-spans	Sanders Bros.	Jan. 10, 1912	April 15, "	1,041 8 9	Reductions, £112 12s. 2d.
" 12, "	" "	Steel and Ironwork for Ngapipito Bridges	Massey Bros. (Limited)	Dec. 12, 1911	June 3, "	670 14 9	Reductions, £29 16s. 4d.
" 16, "	" "	Hardwood Timber for Bridges between 3 miles 40 chains and 11 miles 4 chains	Fraser and Co. (Limited)	" 16, "	Nov. 27 "	978 18 5	Extras, £371 3s. 8d.
July 29, 1910	North Auckland Main Trunk	Hardwood Timber for Bridges	Dick Michael	Jan. 29, "	" "	317 0 0	Reductions, £70 14s. 5d.
Feb. 13, 1911	" "	Otamatea Bridge	G. M. Fraser	Aug. 13, 1912	" "	20,841 0 0	"
June 12, "	" "	" Wharf	" "	June 12, "	" "	6,476 15 0	"
Feb. 13, 1912	Huntly—Awaroa.	Huntly Bridge	" "	May 13, "	" "	17,580 6 0	"
June 12, 1911	Tauranga—Paengaroa	Iron and Steel Supply	Sanders Bros.	Dec. 12, 1911	April 12, 1911	543 6 6	Extras, £35 4s. 4d.
" 16, "	" "	Land Plan Survey	Fraser and Co. (Limited)	" 16, "	July 31, "	260 0 0	" £6 7s. 10d.
Aug. 17, "	Gisborne—Motu	Hardwood Piles and Timber for Bridges	" "	Aug. 27, "	Jan. 13, 1912	474 5 4	" £102 5s.
" 16, "	" "	Hardwood Timber for Bridges	S. Brown (Limited)	Feb. 16, 1912	" "	1,034 4 0	" £36 17s.
Nov. 2, "	" "	Steel and Ironwork for Bridges	G. Griffiths and Co.	Aug. 2, "	Aug. 1, 1912	1,556 0 0	" £2 10s.
Mar. 25, 1912	" "	Four Platelayers' Cottages, Matawai	E. P. Williams	June 25, "	Sept. 2, "	338 9 8	Reductions, £71 15s. 5d.
Feb. 13, 1911	Stratford Main Trunk	Supply of Ironbark and Hardwood Timber for Bridges	S. Brown (Limited)	Aug. 13, 1911	Oct. 10, "	" "	"
May 26, "	" "	Supply of Ironbark Piles and Mixed Hardwood for Bridges	" "	Nov. 26, "	" 10, "	273 5 5	" £21 11s. 3d.
June 9, "	" "	Supply of Steel and Ironwork for Bridges	Sanders Bros.	June 9, 1912	" "	6,195 0 0	"
Nov. 13, "	" "	Supply of Hardwood Timber and Piles for Bridges	Fraser and Co. (Limited)	May 13, "	" "	829 7 9	"
May 25, 1912	" "	Three Platelayers' Cottages, Ohakukara	O'Reilly and Miscall	Aug. 26, "	Nov. 30, 1912	1,128 15 7	Extras, £16 9s.
" 29, "	" "	Whangamomona Station Buildings	E. W. Hodder	Mar. 1, 1913	" "	3,990 0 0	Contract determined.
Oct. 10, "	" "	Hardwood, Whangamomona Stream Bridges	Richardson, Blair, and McCabe (Limited)	April 14, "	" "	589 11 0	"
Mar. 14, 1913	" "	Toi Road Station Cottages	F. Lundon	May 30, "	" "	597 10 0	"
July 11, 1911	South Island Main Trunk (South End)	Erection of Bridges, Mirza Section	B. Garnham	Jan. 11, 1912	June 28, 1912	249 15 0	Extras, £51 18s.; reductions, £3 14s. 9d.
Dec. 21, "	Ditto	Parnassus Station Buildings	A. Kingsford	June 21, "	Nov. 9, "	2,652 12 11	" £616 2s. 4d.; reductions, £195 12s. 6d.
Feb. 13, 1912	" "	Steel-plate Girders, Leader River Bridge	E. J. Ruddock	Aug. 13, "	" "	879 5 8	"
Oct. 15, "	" "	Ure River Bridge	B. Garnham	June 15, 1913	" "	3,858 18 0	"
Feb. 26, "	Midland (Nelson End)	Glenhope Station Buildings	S. M. Galbraith	Aug. 26, 1912	Mar. 20, 1913	4,491 8 4	Extras, £209 17s. 6d.; reductions, £66 14s. 4d.

APPENDIX C—continued.

SCHEDULE of CONTRACTS CURRENT on the 1st April, 1912, and CONTRACTS ENTERED INTO by the Public Works Department during the Year ended 31st March, 1913—continued.

Date of Contract.	Lines of Railway and Branches.	Name of Contract.	Name of Contractor.	Contract to be completed.	Date Contract was completed.	Amount of Contract.	Remarks.
RAILWAYS—continued.							
April 19, 1912	Midland (Nelson End)	Cottage at Kiwi ..	H. Olson ..	June 19, 1912	June 12, 1912	£ 393 17 8	Contract determined, 28/12/12.
Aug. 1, 1907	" (Otiira-Bealey)	Otiira-Tunnel ..	J. McLean and Sons (Limited)	Aug. 1, "	" ..	599,794 0 0	
April 26, 1911	" (Broken River - Bealey)	Supply of Ironbark Piles and Hardwood Timber, Bealey Bridges	J. A. Redpath and Son ..	Oct. 26, 1911	Sept. 13, 1912	824 6 8	
Feb. 19, 1912	Ditto ..	Supply of Steel and Ironwork for Bealey Bridges	P. R. Williamson ..	" 19, 1912	" ..	1,471 19 2	
" 19, "	" ..	Erection of Two Cottages at 37 miles 40 chains	Paynter and Hamilton ..	June 19, "	May 4, 1912	873 0 0	Extras, £31 2s. 6d.; reductions, £21 15s. 3d.
May 13, "	" ..	Bealey River, Halpin and Rough Creek Bridges	W. Rhodes and Son ..	" 3, 1913	" ..	1,554 4 6	Contract not taken up.
Jan. 3, 1913	" ..	Seven Cottages, Arthur's Pass Station	A. Kingsford ..	July 5, 1912	" ..	3,721 10 3	
May 5, 1910	Westport-Inangahua	No. 1 Formation Contract	McWilliams and Andrews ..	May 5, 1912	" ..	4,768 6 8	
" 5, "	" ..	" 2	D. McLellan ..	" 5, "	" ..	5,406 0 0	
" 5, "	" ..	" 4	R. H. O'Brien and Party ..	" 5, "	April 2, 1912	3,531 18 0	Additions, £57; reductions, £87.
" 5, "	" ..	" 5	McWilliams and Andrews ..	" 5, "	Aug. 4, "	2,075 0 0	Extras, £105 14s.
" 5, "	" ..	" 6	R. H. O'Brien and Party ..	" 5, "	April 2, "	1,944 6 8	" £335 13s. 4d.; reductions, £110 15s. 8d.
Mar. 31, 1911	" ..	" 7	Corby and Foster ..	Mar. 31, 1913	" ..	3,806 5 0	
" 31, "	" ..	" 10	Maxwell and Mann ..	" 31, "	" ..	10,708 10 0	
" 31, "	" ..	" 12	Redmond, Moore, and Cochrane	" 31, "	" ..	1,167 16 0	Determined, 19/11/12.
April 29, "	" ..	" 8	T. Murphy, A. Senior, and D. McNamara	April 29, "	" ..	2,942 18 0	
" 29, "	" ..	" 9	Maxwell and Mann ..	" 29, "	" ..	1,587 5 0	
May 25, "	" ..	" 11	R. H. O'Brien ..	May 25, "	" ..	2,676 9 0	
Dec. 19, "	" ..	" 14	D. McLellan ..	Dec. 19, 1913	" ..	8,565 5 0	
" 19, "	" ..	" 15	Murray and Co. ..	" 19, "	" ..	1,186 12 6	
April 17, 1912	" ..	" 13	J. A. Stuart, F. G. Hobbs, and S. McLennan	April 17, 1914	" ..	1,956 0 0	
" 17, "	" ..	" 16	Michael Leddy ..	" 17, "	" ..	1,971 5 0	
" 17, "	" ..	" 17	Brazil and Party ..	" 17, "	" ..	3,605 0 0	
May 20, "	" ..	Bushfelling and Clearing ..	Stuart and Gapper ..	Sept. 20, 1912	" ..	600 0 0	
Feb. 1, 1913	Greymouth - Point Elizabeth	Mount Davey Station Buildings	George Oglivie ..	June 21, 1913	" ..	1,958 4 6	
Dec. 21, 1911	Lawrence-Roxburgh	No. 3 Formation, Beaumont Section	G. W. Ryan ..	Dec. 12, 1912	" ..	1,118 18 4	
July 1, 1912	Cadins-Waimahaka	Land Plan Survey ..	R. S. Allan ..	Nov. 1, "	" ..	215 14 0	
Aug. 8, "	" ..	MacLennan River Bridge ..	Watson, Rhodes, and Son ..	June 21, 1913	" ..	3,121 12 11	

APPENDIX C.—continued.  
 SCHEDULE of CONTRACTS CURRENT on the 1st April, 1912, and CONTRACTS ENTERED INTO by the Public Works Department during the Year ended 31st March, 1913—continued.

Date of Contract.	Name of Contract.	Contractor's Name and Address.	Date for Completion.	Date of Completion.	Amount of Contract.	Amount of Extras and Reductions to be added to or deducted from Amount of Contract.
		AUCKLAND.				
May 31, 1909	Auckland Post-office	Jamieson, J. and W. (Limited), Christchurch	Nov. 30, 1911	Oct. 22, 1912	95,551 0 0	Settlement not yet arrived at regarding extras and reductions. Extras, £274 10s. 7d.; reductions £45.
June 26, 1911	Te Aroha Post-office	Frankham, C. H., Auckland	Feb. 26, 1912	April 15, "	2,962 0 0	" £784; reductions, £46 8s. 5d.
" 1, "	Auckland Post-office, Electric Elevators	Turnbull and Jones, Wellington	Mar. 1, "	Dec. 20, 1912	1,289 0 0	"
" 6, "	Auckland Courthouse	Hutchison, W. E., Auckland	Nov. 6, "	"	14,820 0 0	Extras, £13 3s. 4d.
Dec. 21, "	Putaruru Post-office	Moody, A., Hamilton East	April 21, "	May 2, "	999 0 0	" £657 18s.
" 21, "	Ponsonby Post-office	McKinstry, L., Ponsonby, Auckland	Aug. 21, "	Jan. 18, 1913	3,697 18 6	"
Jan. 3, 1912	Tokanui Mental Hospital	McLean and Sons, D., Wellington	July 3, "	"	13,627 0 0	"
" 13, "	Public Works Workshop	Philcox and Sons, W., Auckland	May 13, "	May 2, 1912	580 15 0	Extras, £5 5s.; reductions, £5 12s. 3d.
Feb. 19, "	Devonport Post-office, Alterations	Morris, E., Auckland	April 19, "	" 6, "	259 0 0	"
Jan. 16, "	Post-offices, Auckland and Wellington, Counter Grilles	Riley and Co., A. D., (Limited), Wellington	June 16, "	Nov. 2, "	917 0 0	" £31 12s.; reductions, £4 12s.
Mar. 19, "	Hamilton Public Buildings	Snell Bros., Hamilton	Dec. 19, "	Jan. 29, 1913	5,180 0 0	" £129 19s. 5d.
" 19, "	Matamata Post-office	Moody, A., Hamilton East	Aug. 19, "	Aug. 6, 1912	1,177 0 0	" £10 11s. 6d.
" 29, "	Auckland New Post-office, Furniture, &c.	Winks and Hall, Auckland	June 19, "	Sept. 30, "	607 8 0	"
" 29, "	"	Tonson, Garlick, and Co., Auckland	" 19, "	" 30, "	313 3 9	"
Aug. 30, 1911	Kaeo Post-office	Hare Bros., Kaeo	Jan. 30, "	May 4, "	833 10 0	Extras, £10.
" 29, 1910	Matata Post-office	Grant, C. M., Opotiki	June 29, 1911	"	779 12 6	Completed by Public Works Department.
Aug. 19, 1911	Te Kuiti Police-station	McIndoe, J., Te Kuiti	Feb. 19, 1912	April 30, 1912	1,152 19 7	"
Dec. 21, "	Taumarunui Police-station	Tolley and Robinson, Taumarunui	May 21, "	Aug. 27, "	1,276 4 0	Extras, £55 11s.; reductions, £5 2s.
Mar. 27, 1912	Waipu Police-station	Rowell, W., Maungaturoto	June 27, "	" 15, "	913 0 0	" £14 4s. 6d.
April 17, "	Public Buildings, Auckland, Christchurch, and Dunedin, Fire-alarms	May-Oatway Syndicate (Limited), Dunedin	Sept. 13, "	Feb. 2, 1913	2,000 0 0	" £23.
" 19, "	Taumarunui Post-office, Additions and Alterations	Solloway, H. M., Taumarunui	May 20, "	Oct. 31, 1912	316 13 5	" £21 10s. 6d.
" 20, "	Waikou Post-office	Fisk, G. A., Waikou	Sept. 20, "	Nov. 16, "	971 0 0	" £6 4s. 9d.
" 21, "	Rotorua Cottage Hospital	Frankham, J., Devonport	" 21, "	Nov. 18, "	1,856 8 0	" £196 6s. 6d.; reductions, £3 12s.
July 20, "	Waikou Police-station, Additions	Corringham, W. B., Waikou	" 28, "	Feb. 2, 1913	343 0 0	" £48 15s. 11d.
" 20, "	Te Awamutu Post-office, Clock Tower	McKinstry, L., Ponsonby	Oct. 20, "	Dec. 5, 1912	498 19 0	" £3; reductions, £4.
" 24, "	Infectious Diseases Hospital, Rotorua	Moor, Thomas, Auckland	" 24, "	" 6, "	1,097 10 0	"
" 24, "	Taupo Police-station, Additions and Alterations to Police-sergeant's residence)	Gradwell, F. G., Taupo	" 24, "	Nov. 24, "	234 0 0	"
Sept. 10, "	Kaikohe Courthouse	Cook, W., and Son, Waimate North	Jan. 10, 1913	"	949 0 0	"
" 19, "	Otorohanga Police-station	Fullerton and Wilson, Te Kuiti	Feb. 19, "	Mar. 15, 1913	925 0 0	Extras, £52 11s. 11d.
" 19, "	Otauhuhu Post-office, Additions	Morris, E., Auckland	" 19, "	" 20, "	656 0 0	" £80 3s. 6d.
" 19, "	Otorohanga Courthouse	Moody, A., Hamilton East	Jan. 19, "	Jan. 22, "	870 0 0	" £10 2s.
Oct. 29, "	Defence Store, Mount Eden, Auckland	Jenkin, W. H., Grey Lynn	Dec. 9, 1912	Dec. 31, 1912	266 17 0	" £4 18s.



APPENDIX C—continued.

SCHEDULE of CONTRACTS CURRENT on the 1st April, 1912, and CONTRACTS ENTERED INTO by the Public Works Department during the Year ended 31st March, 1913—continued.

Date of Contract.	Name of Contract.	Contractor's Name and Address.	Date for Completion.	Date of Completion.	Amount of Contract.	Amount of Extras and Reductions to be added to or deducted from Amount of Contract.
		AUCKLAND—continued.				
Nov. 21, 1912	Matapihi Native School	Overton, F., Birkenhead	April 21, 1913	..	£ 843 0 0	
" 21, "	Maungatapu Native School	Harvey and Co., Tauranga	" 21, "	..	600 0 0	
" 20, "	Papakura Post-office	Mackay, A. M., Auckland	" 20, "	..	1,194 2 0	
Mar. 7, 1913	Huntly Police-station	Frankham, C. H., Auckland	Aug. 7, "	..	1,390 0 0	
Dec. 28, 1912	Tokaanu Post-office	Aldridge, T., Ohakune	May 31, "	..	1,155 9 10	
Jan. 24, 1913	Pukehina Native School	Overton, F., Tauranga	June 24, "	..	861 0 0	
Oct. 16, 1912	Mental Hospital, Tokanui, Steam-boilers	Luke, S., and Co. (Limited), Wellington	Jan. 16, "	..	975 0 0	
		HAWKE'S BAY.				
Aug. 21, 1911	Police Inspector's Residence, Napier	Bailey, T. W., Napier	Jan. 21, 1912	Feb. 20, 1912	1,037 17 7	Extras, £39; deductions, £4 2s. 5d.
Jan. 13, 1912	Clive Post-office	Cairns and Paton, Havelock North	May 13, "	July 10, "	820 0 0	" £26 15s.; deductions, £1 10s.
Mar. 16, "	Otane Post-office	Seaton and Cain, Hastings	Aug. 16, "	Oct. 3, "	1,215 2 0	" £36 13s. 9d.; deductions, £3 18s.
" 20, "	Opotiki Post-office	Massey, W., Auckland	Oct. 20, "	Mar. 29, 1913	3,386 0 0	" £38 9s.
June 15, "	Waipawa Courthouse, Repairs	Adams, J. H., Waipawa	Sept. 15, "	Sept. 25, 1912	229 15 0	" £40 7s. 10d.; deductions, £11 11s. 4d.
Sept. 9, "	Gisborne Police-station	Webb, H., Gisborne	Feb. 8, 1913	..	2,306 0 0	
Oct. 23, "	Hastings Police Sergeant's Residence	Stanley, A. and R., Hastings	Feb. 23, "	Feb. 22, 1913	623 8 0	Deductions, £2 14s. 4d.
Jan. 1, 1913	Mohaka Police-station, Repairs	Gardner, A. R., Wairoa	Mar. 28, "	..	247 3 7	
		TARANAKI.				
Nov. 27, 1911	Ohura Post-office	Tolley and Robinson, Taurarunui	July 27, 1912	Oct. 31, 1912	1,476 0 0	Extras, £3 17s. 6d.; deductions, £94 12s. 3d.
Jan. 3, 1912	Inglewood Post-office, Additions, &c.	Coleman and Son, New Plymouth	Feb. 28, "	May 26, "	348 0 0	" £2 11s.
" 11, "	Whangamomona Post-office	Hodder, E. W., Whangamomona	May 11, "	Oct. 31, "	860 0 0	" £11 6s. 6d.; deductions, £63.
Feb. 20, "	New Plymouth Public Buildings	Coleman and Son, New Plymouth	Nov. 20, "	Feb. 28, 1913	3,399 0 0	" £20 10s.; deductions, £151 12s.
Jan. 27, "	Whangamomona Movable School	Scott, R. J., Pohokura	Mar. 9, "	Aug. 3, 1912	204 15 6	
Sept. 12, "	Awakino Post-office	Coleman and Son, New Plymouth	Feb. 12, 1913	Mar. 31, 1913	1,513 0 0	Extras, £6.
		WELLINGTON.				
Oct. 27, 1909	Wellington Post-office, Additions	Wilson, J. and A. (Limited), Wellington	Oct. 27, 1911	April 16, 1913	96,923 0 0	Settlement not yet arrived at regarding extras and reductions.
April 11, 1911	St. Helens Hospital, Wellington	Murdoch and Wallis, Wellington	Feb. 11, 1912	May 2, 1912	9,689 0 0	Extras, £482 10s. 11d.; deductions, £500.
June 21, "	New Store, Mount Cook	Sanders Bros., Wellington	Jan. 21, "	June 30, "	1,456 0 0	" £1,855 10s. 8d.; deductions, £31 7s. 6d.
Aug. 1, "	Electric Elevators, General Post-office, Wellington	Burt, A. and T. (Limited), Wellington	Mar. 1, "	..	886 14 0	
Nov. 2, "	Marble Work, Wellington Post-office	Edwards and Son, Wellington	May 2, "	Nov. 25, 1912	227 19 0	Extras, £2.

APPENDIX C—continued.

SCHEDULE of CONTRACTS CURRENT on the 1st April, 1912, and CONTRACTS ENTERED INTO by the Public Works Department during the Year ended 31st March, 1913—continued.

Date of Contract.	Name of Contract.	Contractor's Name and Address.	Date for Completion.	Date of Completion.	Amount of Contract.	Amount of Extras and Reductions to be added to or deducted from Amount of Contract.	
					£ s. d.	£ s. d.	
		WELLINGTON—continued.					
Nov. 28, 1911	Carterton Post-office, Additions	Rose and Mason, Masterton	Feb. 28, 1912	June 8, 1912	415 0 0	Extras, £17 3s. 6d.	
Aug. 1, "	Electric Elevators, Passenger-lifts A. and B., General Post-office, Wellington	Turnbull and Jones (Limited), Wellington	Mar. 1, "	Nov. 20, "	1,346 0 0	" £342 13s.; deductions, £1 2s. 8d.	
Jan. 19, 1912	Ohakune Courthouse	Aldridge, T., Ohakune	May 20, "	Oct. 31, "	667 8 6	" £20 18s.	
Feb. 19, "	Kaiwarara Post-office	Seamer, A., Wellington	Aug. 19, "	Aug. 24, "	1,933 0 0	" £82 3s.	
April 11, "	Eketahuna Post-office, Additions	Power, A. R., Eketahuna	July 11, "	Dec. 21, "	418 11 0	" £20 10s.	
" 17, "	Post and Telegraph Bulk Store, Wellington	Sanders Bros., Wellington	Jan. 17, 1913	"	11,652 0 0	"	
" 22, "	Electric Elevator, St. Helens Hospital, Wellington	Moult, H., Wellington	Aug. 22, 1912	Nov. 19, 1912	443 0 0	"	
Aug. 24, "	Wanganui Post-office, Painting and Renovations	Tingey, R. and E. (Limited), Wanganui	Nov. 24, "	Sept. 24, "	312 0 0	"	
Oct. 3, "	Post and Telegraph Store, Wellington, 10-ton crane	Richardson, Blair, and McCabe, Wellington	"	"	518 10 0	"	
" 3, "	Government Insurance Building, Wanganui	Riley, A. D., Wellington	"	"	353 0 0	"	
Sept. 2, "	Pongaroa Post-office, Additions	Benge, G. F., Wanganui	Mar. 2, 1913	"	1,610 0 0	"	
Oct. 17, "	Wanganui Courthouse, Additions	Whittaker, W., Pongaroa	Feb. 17, "	"	534 0 0	"	
Mar. 12, 1913	Storekeeper's Cottage, Pipitea	Benge, G. F., Wanganui	July 12, "	"	1,175 0 0	"	
" 18, "	Parliament Buildings, Granite for Piers	McMillan, J. L., Wellington	June 18, "	"	669 0 0	"	
" 31, "		New Zealand Quarries (Limited), Auckland	" 26, "	"	901 15 0	"	
		NELSON.					
Jan. 9, 1912	Murchison Police-station	Bredbury and Bastin, Murchison	May 9, 1912	Sept. 16, 1912	940 15 0	"	
Mar. 20, "	Stoke Industrial School (Boys)	Chamberlain and Stannard, Nelson	July 15, "	June 11, "	428 4 6	"	
" 19, "	Postmaster's Residence, Takaka	Green, W. H., Takaka	July 19, "	Aug. 22, "	465 8 9	"	
" 19, "	Takaka Courthouse	"	" 19, "	Oct. 9, "	470 18 3	"	
April 19, "	Wakefield Police-station	Haase, E., and Son, Nelson	Sept. 19, "	Sept. 19, "	834 11 9	"	
" 19, "	Stoke Industrial School, two Residences and Laundry	Robertson Bros., Nelson	Oct. 19, "	Oct. 16, "	1,586 3 8	"	
Sept. 4, "	Laundry Plant	Winn, S., Nelson	Nov. 13, "	Nov. 13, "	289 12 6	"	
" 27, "	Lastrines	Robertson Bros., Nelson	Dec. 20, "	"	395 0 0	"	
Dec. 31, "	Nelson Post-office, Additions	Galbraith, S. M., Nelson	June 31, "	"	682 5 3	"	
Mar. 29, 1913	Wakapuaka Cable-station, Water-supply and Drainage	Grimmett, T. R. J., Nelson	Aug. 1, 1913	"	"	"	
		WESTPORT.					
June 20, 1910	Westport Post-office	Brynildsen, E., Westport	June 20, 1911	May 27, 1912	6,166 17 0	Extras, £1,107 14s. 6d.; deductions, £251 16s.	
Feb. 20, 1911	Westport Post-office, Clock and Bells	Littlejohn, W., and Son, Wellington	Open	April 1, "	645 0 0	"	
Dec. 22, "	Westport Post-office, Furniture and Fittings	Fraser, D., Westport	Feb. 22, 1912	May 10, "	313 12 6	Extras, £8 1s.	
Oct. 9, 1912	Millerton Post-office, Additions, &c.	Rees and Hunter, Westport	" 9, 1913	Mar. 31, 1913	673 16 6	" £24 14s.	
		WESTLAND.					
July 31, 1911	Greymouth Courthouse	Kelsall and Son, Greymouth	May 31, 1912	Dec. 21, 1912	5,912 8 8	Extras, £659 12s.; deductions, £192.	
Jan. 22, 1912	Hokitika Public Buildings, Extension	Drake, J., Greymouth	Sept. 22, "	Oct. 15, 1912	5,016 13 5	"	
Sept. 6, "	Public Trust Building, Greymouth	Cundy, A., Greymouth	" 6, "	"	1,449 6 0	Extras, £78 9s. 1d.	
Aug. 2, "	Cobden Police-station	Mordaunt, R., Cobden	Aug. 10, "	"	773 18 2	"	

APPENDIX C—continued.

SCHEDULE of CONTRACTS CURRENT on the 1st April, 1912, and CONTRACTS ENTERED INTO by the Public Works Department during the Year ended 31st March, 1913—continued.

Date of Contract.	Name of Contract.	Contractor's Name and Address.	Date for Completion.	Date of Completion.	Amount of Contract.	Amount of Extras and Reductions to be added to or deducted from Amount of Contract.
					£ s. d.	
CANTERBURY.						
Sept. 1, 1910	Departmental Buildings, Christchurch	Jamieson, J. and W. (Limited), Christchurch	May 1, 1912	Aug. 16, 1912	53,564 0 0	
April 20, 1911	Waimate Post-office Clock and Chimes	Littlejohn W., and Sons, Wellington	Open	" 31, "	4,450 0 0	Extras, £218 6s. 11d.
June 15, "	Sydenham Post-office	Taylor, Joseph, Linwood	April 15, 1912	April 27, "	584 10 0	" £142 2s. 6d.
Nov. 4, "	Lytelton Post-office, Raising Clock-tower, and Alterations	Calvert Charles, Sydenham	Jan. 4, "	"	374 7 6	
" 14, "	Mount Cook New Hermitage, Supply and Delivery of Doors and Windows	Jackson, John, and Co. (Limited), Timaru	Sept. 14, "	"		
Dec. 21, "	Waiau, Lineman's Cottage	Anderson, George, Waiau	Mar. 21, "	May 18, 1912	420 0 0	Extras, £66 12s. 6d.; deductions, £7 5s.
Jan. 6, 1912	Clock for Timaru Post-office	Littlejohn, W., and Son, Wellington	June 6, "	June 28, 1912	650 0 0	Extras, £6 6s. 6d.
Feb. 17, "	Addington Post-office Clock-tower	Taylor, Joseph, Linwood	" 17, "	" 6, "	309 10 0	" £55 5s. 6d.
" 19, "	Summer Post-office, Alterations and Additions	Dibnah and Gant, Woolston	April 29, "	Nov. 9, "	1,153 15 0	" £41 17s.
Mar. 7, "	Pleasant Point Post-office	Miller Bros., Timaru	July 12, "	" 9, "	3,445 5 0	" £8 8s.
" 16, "	Summer Deaf-mutes Institution, Additions and Alterations	Calvert, Charles, Sydenham	Jan. 16, 1913	May 14, "	269 0 0	" £7 10s.; deductions, £8 5s. 6d.
" 16, "	Christchurch Police-station, Lockup and Store	White, George, Linwood	May 25, 1912	Aug. 10, "	434 19 0	" £171 8s. 3d.
" 16, "	Ashburton Police-station, Offices and Quarters	Vesty, H. A., Ashburton	April 27, "	Feb. 2, 1913	796 0 0	
April 18, "	Temuka Police-station	McKinnon, James, Temuka	Aug. 18, "	"	325 0 0	
" 23, "	Addington Post-office Clock	Littlejohn and Son, Wellington	Feb. 23, 1913	"	560 0 0	
May 10, "	Mount Cook Hermitage, New Hostel, Stamped Steel Ceilings	Bruce, A. S., Christchurch	Nov. 30, 1912	Nov. 9, 1912	650 0 10	Extras, £24 2s. 8d.
" 22, "	Methven Courthouse	Aitken, K., and Co., Methven	Sept. 28, "	Oct. 14, "	402 15 0	" £65 5s. 2d.
" 27, "	Timaru Gaoler's Quarters, Additions	Donald, J., Timaru	Aug. 4, "	Mar. 12, 1913	576 1 8	" £105 18s. 7d.; deductions, £15 13s. 7d.
Oct. 12, "	Istington Police-station	Biogg, F., Christchurch	Feb. 12, 1913	"		
Dec. 23, "	Christchurch Departmental Buildings, Electric Wiring	Turnbull and Jones, Wellington	" 28, "	"	1,041 16 0	
Jan. 3, 1913	Police Sergeant's Residence, Ashburton	Pearce, F., Ashburton	May 3, "	"	776 0 0	
" 3, "	Mount Cook Hostel, Plumbing and Gasfitting	Jones, C., Christchurch	" 31, "	"	600 0 0	
Feb. 2, "	Christchurch Departmental Buildings, Fire-alarms	Stringer and Bridge, Christchurch	"	"	295 16 8	
" 20, "	Mount Cook Hostel, Painting and Glazing	Donn, W., Timaru	May 31, 1913	"	308 2 8	
Mar. 3, "	Fairlie Post-office, Additions, &c.	Foden, T., and Sons, Fairlie	" 12, "	"	430 14 4	
OTAGO AND SOUTHLAND.						
April 14, 1910	Departmental Buildings, Invercargill	Shields and Andrews, Invercargill	April 14, 1911	Jan. 31, 1912	12,380 0 0	Extras, £1,050; deductions, £158.
" 18, 1911	Kaitangata Post-office	Watson, Rhodes, and Son, Dunedin	Oct. 18, "	July 15, "	2,159 14 1	" £199 19s. 9d.; deductions, £28 2s. 4d.
Jan. 4, 1912	Balclutha Post-office	Hunter, P., Balclutha	Nov. 4, 1912	" 19, "	2,397 0 0	" £95 2s.
" 19, 1912	Seacliff Mental Hospital, Water-supply	Burt, A. and T. (Limited), Dunedin	July 19, 1912	Sept. 30, "	5,215 0 0	" £22 10s. 6d.; deductions, £23 10s.
Feb. 19, "	St. Helens Hospital, Dunedin, Isolation Ward	White, J. E., Dunedin	June 19, "	"	597 10 0	
" 19, "	Balfour Post-office	Latham, T., Gore	May 19, "	Nov. 16, "	699 15 0	

APPENDIX C—continued.

SCHEDULE of CONTRACTS CURRENT on the 1st April, 1912, and CONTRACTS ENTERED INTO by the Public Works Department during the Year ended 31st March, 1913—continued.

Date of Contract.	Name of Contract.	Contractor's Name and Address.	Date for Completion.	Date of Completion.	Amount of Contract.	Amount of Extras and Reductions to be added to or deducted from Amount of Contract.
<b>OTAGO AND SOUTHLAND—continued.</b>						
Feb. 11, 1912	Hawea Flat Post-office	Wilkinson, Thomas, Clyde	June 11, 1912	Aug. 3, 1912	£ 495 9 0	s. d.
May 13, "	Oamaru Courthouse, Repairs and Renovations.	Tait, James, Oamaru	July 8, "	Sept. 7, "	236 7 5	
June 21, "	Quarantine-station, Port Chalmers, Repairs	Love Bros., Port Chalmers	Sept. 21, "	Nov. 20, "	461 18 0	
July 22, "	Queenstown Domain Gardener's Cottage, Repairs, &c.	Bowden, T. F., Arrowtown	" 22, "	Mar. 28, 1913	395 0 0	Extras, £105 7s.
Aug. 2, "	Ravensbourne Post-office	Dempster, A., Dunedin	Feb. 2, 1913	" 20, "	1,328 0 0	" £6.
Oct. 3, "	Mental Hospital, Waitaki, Plumbing and Hot-water Service	Scott, J. and R., Dunedin	Mar. 3, "	" "	334 0 0	
Nov. 11, "	Gore Post-office, Restoration	Rhodes, T., and Son, Gore	Jan. 31, "	" "	799 0 0	
Dec. 30, "	Tapanui Police-station	Meikle, R., jun., Kelson	May 30, "	" "	719 0 0	Contract not taken up.
Mar. 31, 1913	Roxburgh Post-office	Christie, R., Roxburgh	July 31, "	" "	1,650 0 0	
	Mataura Police-station	Latham, A., Gore	" "	" "	760 10 6	
<b>LAKE COLERIDGE SCHEME.</b>						
Feb. 16, 1912	Lake Coleridge Tunnel	McWilliams, J., Wellington	Aug. 16, 1913	Feb. 28, 1913	53,172 13 0	Extras, £28 14s.; deductions, £24 16s. 3d.
" 17, "	Erection of Eight Cottages	Mills and Kepple, Christchurch	Oct. 17, 1912	" "	2,846 19 1	
June 12, "	Section 3, Pipe-lines and Accessories	Dunedin Engineering and Steel Company (Limited), Dunedin	June 12, 1913	" "	17,623 13 6	
" 12, "	" 7, Transformers	National Electrical and Engineering Company (Limited), Dunedin	April 12, "	" "	9,673 0 0	
" 12, "	" 19, Travelling-crane	Greenshields, F. S., and Co., Wellington	" 12, "	" "	646 0 0	
July 10, "	" 11, Bare Conductors	Richardson, Blair, and McCabe (Limited), Wellington	July 10, "	" "	13,100 15 9	
" 18, "	" 21, Batteries and Accessories	Turnbull and Jones (Limited), Wellington	" 18, "	" "	839 12 0	
" 23, "	" 15, Testing Transformers	Burt, A. and T. (Limited), Wellington	May 23, "	" "	525 0 0	
" 26, "	" 16 Meters	Baillie, P. R., and Co., Wellington	July 26, "	" "	291 15 6	
" 23, "	" 12 Insulated Cables	National Electrical and Engineering Company (Limited), Dunedin	" 23, "	" "	3,765 1 0	
" 24, "	" 9 Transmission-line Insulators	Richardson, Blair, and McCabe (Limited), Wellington	Mar. 24, "	" "	3,795 0 0	
Aug. 13, "	Tunnel and Penstock Gates	National Electrical and Engineering Company (Limited), Dunedin	Aug. 13, "	" "	1,336 0 0	
" 13, "	Section 8, Lightning-arrestors	Brown, S. (Limited), Wellington	May 13, "	" "	2,588 0 0	
" 13, "	" 13, Distributing-system Insulators	Dunedin Engineering and Steel Company (Limited), Dunedin	April 13, "	" "	668 0 6	
" 21, "	" 3A, Valves and Expansion-joints	Thorne, George Grey, Auckland	June 21, "	" "	837 0 0	
" 14, "	" 5, Generators and Accessories	Australian Metal Company (Limited), Melbourne	May 21, "	" "	5,561 0 0	
" 14, "	" 4, Water-wheels and Accessories	" "	" 21, "	" "	4,195 0 0	

APPENDIX C—continued.

SCHEDULE of CONTRACTS CURRENT on the 1st April, 1912, and CONTRACTS ENTERED INTO by the Public Works Department during the Year ended 31st March, 1913—continued.

Date of Contract.	Name of Contract.	Contractor's Name and Address.	Date for Completion.	Date of Completion.	Amount of Contract.	Amount of Extras and Reductions to be added to or deducted from Amount of Contract.
DEVELOPMENT OF WATER-POWER—continued.						
LAKE COLERIDGE SCHEME—continued.						
Sept. 19, 1912	Section 23, Two Motor-cars ("Calthorpe")	Dalgety and Co. (Limited), Wellington	Feb. 6, 1913	Mar. 4, 1913	£ 962 0 0	s. d. 0 0
" 19, "	" 22, Two Motor-horries ("Albion")	Grapes and Riley, Wellington	Feb. 6, "	" "	1,106 4 6	" "
" 12, "	" 23, 150 Tons Bitumen	Neuchatel Asphalt Company (Limited), Wellington	May 12, "	Mar. 21, "	1,087 10 0	Reductions, £13 12s. 2d.
Oct. 22, "	" 10d, 500 Hardwood Poles delivered Lyttelton	Mitchelson and Co., Auckland	Oct. 22, "	" "	1,050 0 0	" "
Nov. 11, "	" 10e, 1,200 Ironbark Piles, delivered Lyttelton	Wallace, J. W., and Co., Wellington	Nov. 11, "	" "	4,200 0 0	" "
Dec. 23, "	Power-station	Taylor Bros. and Muirhead, Christchurch	Oct. 23, "	" "	15,635 2 6	" "
Feb. 10, "	Section 2, Cable-clamps	National Electrical and Engineering Company (Limited), Dunedin	" 10, "	" "	884 0 0	" "
Mar. 25, "	" 20, Cross-arms	Duncan, P. and D., Christchurch	Dec. 25, "	" "	512 0 0	" "
" 3, "	Electric Wiring at Power-house	Tolley and Son (Limited), Wellington	Sept. 3, "	" "	312 13 2	" "
WAIHOU AND OHLEMEMURI RIVER IMPROVEMENTS.						
Jan. 12, 1912	Ngararaki and Koutou Cuts	Lupis, T., Paeroa	Oct. 12, 1912	" "	9,872 1 0	" "
Feb. 21, 1913	Paeroa Stop-bank	Treanor, P., Paeroa	Aug. 21, 1913	" "	2,053 12 0	" "
" 7, "	Steam-engine and Condensing-plant for Waihou Dredge	Greenshields, F. S., and Co., Wellington	Sept. 7, "	" "	772 0 0	" "
AUCKLAND.						
June 16, 1911	Waimana River Bridge (Opounaio)	Dixon, J. D., Cambridge	Sept. 16, 1912	" "	1,630 10 0	" "
Aug. 16, "	Tongariro River Bridge	McLeod, Robert A., Auckland	May 16, "	Oct. 9, 1912	1,273 2 11	Extras, £25 11s. 10d.
Nov. 6, "	Marakopa River Bridge	Scott and Forsyth, Te Kuiti	Aug. 6, "	June 4, "	536 16 11	" "
" 6, "	Wairoa Road District Bridges	James Bros., Auckland	May 6, "	" 6, "	791 15 10	Extras, £45.
" 9, "	Waioeka River Bridge (Suspension)	Austin and Mead, Gisborne	Feb. 9, "	" "	407 10 0	" "
" 14, "	Te Kuiti—Mokau Road, Supply of 6,000 cubic feet Crushed Limestone Metal	Fouly, P., King-country	Jan. 23, "	" "	485 3 4	Determined Deductions, £280 1s. 6d.
Mar. 8, 1912	Oparau River Bridge	Scott and Forsyth, Te Kuiti	Dec. 8, "	Sept. 17, 1912	1,601 16 8	" "
" 11, "	Waioeka River Suspension Stock Bridge, Okuraata Crossing	Short and Gunn, Gisborne	July 11, "	" "	478 0 0	Extras, £5.
April 2, "	Mangapouke Road Bridge, No. 1	Baynes, W., Gisborne	April 2, "	" "	652 0 0	" "
" 2, "	" " " " " " " " " " " "	" "	" 2, "	" "	433 0 0	" "
May 20, "	Mangaiti Road Bridge	Poole, E., Te Kuiti	Sept. 20, "	Nov. 25, 1912	354 0 0	" "
June 13, "	Mangawhero River Road Bridge	Scott and Forsyth, Te Kuiti	" 13, "	Sept. 20, "	220 11 0	" "
Feb. 6, 1913	Awaroa River Bridge (Erection)	McLeod, R. A., Auckland	May 20, 1913	" "	321 0 0	" "
" 10, "	Raukikuri River Bridges (Boothman's)	Langlands, H. W., Gisborne	June 20, "	" "	385 19 0	" "
Mar. 17, "	Mangakahia River Bridge	Webster, W. A., Rawene	Mar. 17, "	" "	1,651 0 0	" "
ROAD WORKS.						

**APPENDIX C—continued.**  
**SCHEDULE of CONTRACTS CURRENT on the 1st April, 1912, and CONTRACTS ENTERED INTO by the Public Works Department during the Year ended 31st March, 1913—continued.**

Date of Contract.	Name of Contract.	Contractor's Name and Address.	Date for Completion.	Date of Completion.	Amount of Contract.	Amount of Extras and Reductions to be added to or deducted from Amount of Contract.
					£ s. d.	
Dec. 30, 1910	Nuhaka River Bridge	HAWKE'S BAY. Gardiner, A. R., Wairoa	Oct. 30, 1911	May 25, 1912	3,136 4 0	Extras, £12; deductions, £214 4s. 5d.
April 19, 1911	Tongolo Lagoon (Deviation). Bridge-construction	McGaffin, R., Hastings	Dec. 19, "	July 4, "	1,317 17 6	
" 19, "	" " Embankment and Road Formation	" " "	Feb. 19, 1912	" 4, "	1,950 0 0	
June 21, 1910	Tangarakau River Suspension Bridge	TARANAKI Grayling, F. M., New Plymouth	June 21, 1911	Aug. 2, 1911	1,553 0 0	Extras, £25.
Nov. 13, "	Hardwood Timber and Piles for Tangarakau Road Bridges, Lower and Middle Crossings	Fraser and Co., Grafton, N.S.W.	April 13, 1912	Mar. 14, 1913	533 19 2	Deductions, 14s. 7d.
April 19, 1912	Matau River Bridge (Graham's)	Sangster, G., Stratford	April 19, 1913	" "	596 0 0	
May 20, "	Mangaturuturu Stream Bridge	Wallace and Thompson, Rangataua	Feb. 20, "	" "	462 17 9	
Aug. 27, "	Moki Stream Road Bridge (Hardwood Timber)	Wallace, J. W., and Co., Wellington	" 31, 1912	" "	207 17 5	
Dec. 30, "	Tangarakau River Bridges, Ohoura Road Lower and Middle Crossings	Grayling, F. M., New Plymouth	June 30, 1913	" "	1,107 0 0	
Nov. 21, "	Mangahowhai Stream Bridge	Kensington, H., Wanganui	May 21, "	" "	540 14 3	
Feb. 2, "	Mangapeehi and Mokau Road Bridges	Salt, W., Wanganui	Aug. 19, "	" "	687 17 0	
Feb. 21, 1912	Rokau Block Road Formation	Wellington. Saunders, J. S., Wellington	June 19, 1912	" "	498 10 0	Contract cancelled, 27th Sept.
Sept. 27, "	" "	Carmichael, A., Dannevirke	Dec. 20, "	Jan. 16, 1913	402 10 10	Extras, £5 0s. 6d.
Jan. 6, 1912	Kahautara River Bridge, Kaikoura County	Marlborough. McLean, D., and Sons, Wellington	April 6, 1913	" "	3,255 0 0	
Mar. 27, 1911	Metalling Road, Mokihinui to Little Wanganui	Nelson. Davis, Fraser, and Hyndman, St. Helens, Westport	Aug. 27, 1911	" "	1,644 2 6	
May 8, "	Mokihinui to Little Wanganui Road, No. 2, Road-metalling	H. Langlands and E. Morris, St. Helens, Westport	Sept. 8, "	July 31, 1912	820 18 9	Extras, £80 17s. 2d.
Nov. 17, "	Mokihinui River Bridge (Approaches)	Flight and McMaster, Nikau	Jan. 25, 1912	April 19, "	254 15 0	" £53 11s. 6d.
" 17, "	Glasseve Creek Bridge	Hill, L., Little Wanganui	" 17, "	Aug. 31, "	259 1 7	
Jan. 10, 1912	Mokihinui-Little Wanganui Road, No. 2, Formation Contract	Flight and McMaster, Nikau	May 10, "	" 24, "	440 0 0	Extras, £68 8s. 10d.; deductions, £12 16s. 3d.
" 12, "	Maruia River Bridge	Atkinson, S. R., Westport	Sept. 12, "	Sept. 18, 1912	2,061 8 6	
" 18, "	Rai and Brown River Bridges (Approaches)	McKenzie Carrying Company (Limited), Blenheim	April 18, "	" "	497 15 11	
" 20, "	Mokihinui - Little Wanganui Road, No. 3, Formation	Smith, Fraser, and Hyndman, St. Helens, Westport	May 20, "	" "	271 0 0	

APPENDIX C—continued.

SCHEDULE of CONTRACTS CURRENT on the 1st April, 1912, and CONTRACTS ENTERED INTO by the Public Works Department during the Year ended 31st March, 1913—continued.

Date of Contract.	Name of Contract.	Contractor's Name and Address.	Date for Completion.	Date of Completion.	Amount of Contract.	Amount of Extras and Reductions to be added to or deducted from Amount of Contract.
		NELSON—continued.				
Jan. 20, 1912	Mokihinui—Little Wanganui Road, No. 4 Formation	Smith, Fraser, and Hyndman, St. Helens, Westport	May 20, 1912	Nov. 23, 1912	£ 268 0 0	Extras, £32 10s.
Mar. 20, "	"	Neilson and Merchant, Te Namu.	" 20, "	Sept. 28, "	354 0 0	" £12 1s. 8d.
Mar. 7, "	"	Sigley, J., Greymouth	Sept. 7, "	Oct. 16, "	419 9 0	
Feb. 27, "	Mangels River Bridge (2 ft. Suspension Bridge)	Downie Bros., Murchison	Aug. 27, "	Mar. 1, 1913	385 12 10	
Mar. 20, "	Blackwater River Road Bridge	Galbraith, S. M., Nelson	" 27, "	Sept. 25, 1912	459 10 0	Extras, £45 15s.
May 21, "	Little Hope River Road Bridge	Olson, H., Nelson	" 20, "	Jan. 20, 1913	281 18 0	
Mar. 21, "	Onehaka Road Bridge	Sigley, J., Greymouth	May 21, 1913	"	299 0 0	
Aug. 20, "	Takaka River Bridge	Dixon, Charles, Nelson	Nov. 20, 1912	Jan. 31, 1913	3,322 3 6	
Sept. 27, "	Motueka River Bridge, Whatu (Repairs)	"	Sept. 27, 1913	"	1,254 5 0	Extras, £170.
	Wangapeka River Road Bridge	"	"	"	2,171 16 8	
		WESTLAND.				
Mar. 15, 1910	Big Wanganui Bridge, South Westland	O'Donnell, J., Wellington	Mar. 15, 1912	Dec. 31, 1912	7,908 4 7	Extras, £2,137 5s. 1d.
Jan. 11, 1912	South Approach, Big Wanganui Road Bridge	Haddock and Moye, Ross	July 11, "	"	989 0 0	
		CANTERBURY.				
June 12, 1911	Bealey Gorge Road Bridge	Watson, Rhodes, and Son	April 12, 1912	May 4, 1912	1,192 11 0	Extras, £298 2s. 6d.
Jan. 16, 1912	Douglas Settlement, Road-metalling Yards Road	White, R., Waimate	Mar. 12, "	April 8, "	208 5 0	Reductions, £10 7s.
" 16, "	"	"	Apr. 12, "	" 23, "	553 7 0	"
Mar. 25, "	"	Cochrane, W., Waimate	Apr. 9, "	"	617 13 3	
Nov. 25, "	Hooker River and Glencoe Stream Bridges Erection	Sinclair, James, Oamaru	Nov. 30, "	"	444 14 0	
Nov. 25, "	Conway Gorge Road-formation, Section 1	Abraham, E., Kaikoura	Mar. 17, "	"	484 12 0	
" 25, "	"	"	" 17, "	"	504 0 0	
" 6, "	"	"	Feb. 26, "	"	294 15 0	
Feb. 20, "	Waimate Settlement Road, Formation and Metalling	White, R., Waimate	May 15, "	"	508 12 9	
Mar. 5, "	Seargill Settlement, Metalling	Lochhead and Clarke, Cheviot	" 28, "	"	282 3 4	
		OTAGO AND SOUTHLAND.				
Mar. 4, 1911	Hardwood Timber, Taieri Mouth Bridge	Millar's West Australian Hardwood Company (Limited), Wellington	Sept. 4, 1911	May 18, 1912	1,254 4 7	
" 29, "	Ermidale Settlement, Road-metalling	Baird, W., East Invercargill	" 18, "	Aug. 24, 1911	1,363 0 0	
Aug. 31, "	Waiau River Bridge (Southland)	Everitt and Heffernan, Wellington	Nov. 31, 1912	"	3,844 1 0	
Feb. 16, 1912	Riley and McLeery, Road-formation	Parlane, W., Orepuki	April 30, "	July 23, 1912	203 0 0	
Jan. 9, 1913	Round Hill to Pahia Road	Pemberton, V., Invercargill	" 5, 1913	"	262 4 0	
		MISCELLANEOUS.				
Mar. 11, 1912	Training-wall at Karamea, No. 3 Contract	Hill and Jones, Westport	Sept. 11, 1912	Nov. 15, 1912	2,602 9 9	
Aug. 21, "	300 Ironbark Piles	Brown, S. (Limited), Wellington	May 21, 1913	"	1,289 1 4	
Nov. 29, "	400 Bedsteads for Mental Hospitals	Wallace, J. W., and Co., Wellington	Nov. 29, "	"	750 0 0	

APPENDIX D.

SCHEDULE of SLEEPER CONTRACTS CURRENT on 1st April, 1912, and CONTRACTS ENTERED INTO by the Public Works Department during the Year ended 31st March, 1913, showing Deliveries to the latter Date.

Date of Contract or Agreement.	Contractor's Name.	Address.	Number of Sleepers contracted for, and Class of Timber.	Rate per Sleeper.	Place of Delivery.	Date for Completion.	Total delivered to Date.	Date of Completion.
<b>NORTH ISLAND.</b>								
<b>WHANGAREI DISTRICT.</b>								
21 Oct., 1910	Pullman and Leslie	Matapouri	1,000 puriri	s. d. 4 3	Opua	27 Dec., 1910	698 puriri	Cancelled.
20 Jan., 1911	E. Brenstrum	Dargaville	900 "	3 11	"	30 June, 1911	900 "	22 Nov., 1912.
27 "	G. N. Le Clere	Parua Bay	1,000 "	4 6	Onerahi	30 "	(1,000 "	31 Mar., 1913.
			36 crossing	20s. per 100 ft.			{ 36 crossing }	
2 Mar., "	V. Trounson	Maropiu	500 puriri	3 9	Maropiu Station	30 "	270 puriri	
			1,000 totara	3 3			1,093 totara	
18 April, "	T. M. Lane and Sons	Opua	1,500 puriri	4 0	Opua	18 Oct., "	1,500 puriri	3 May, 1912.
			10 sets crossing	21s. per 100 ft.			{ 356 crossing }	
			150 totara	2 6	Otiria	23 Sept., "	116 totara	Completed.
23 June "	James Gamble	Otiria	150 puriri	3 6			1,185 puriri	
13 July "	Pickens Bros.	Punaruks	2,000 totara	4 0	Opua	13 Oct., "	1,168 totara	
20 "	S. Doak	Mangatu	1,500 "	3 6	Kaihu	20 Dec., "	1,378 "	
20 "	G. E. Dudding	Kaihu	1,000 "	3 6	"	20 "	616 "	
20 "	F. Johansen	Mangatu	600 puriri	4 3	"	20 Feb., 1912	711 puriri	Completed.
5 Aug., "	Tinioko and others	Otiria	3,000 "	4 6	Otiria	31 Mar., "	1,736 "	
8 Sept., "	G. N. Le Clere	Parua Bay	2,000 "	4 6	Onerahi	31 Dec., 1911	884 "	
12 Mar., "	J. W. Edmonds	Ngawha	800 "	3 6	Kaikohu Railway	30 June, "	38 "	
Various	Various	Various	1,411 puriri and totara	3/., 3/6, 4/3, and 4/6	Various	Various	1,411	
<b>AUCKLAND DISTRICT.</b>								
27 Jan., 1909	E. Brenstrum	Dargaville	1,200 puriri	s. d. 4 3	Helensville	27 July, 1909	412	In hand.
30 Sept., 1910	Fraser and Co.	Grafton, N.S.W.	600, 7 ft. 6 in. by 8 in. by 6 in., ironbark	5 0	Auckland	1 "	572	"
30 "	Moir and Resta	Puhoi	3,000 totara	3 3	Ahuroa	9 Sept., 1911	Nil	"
6 Dec., "	E. Brenstrum	Dargaville	350 puriri	4 3	Helensville	20 Mar., "	"	Completed, 7 June, 1912.
"	S. Brown (Limited)	Wellington	350, 11 ft. by 8 in. by 6 in., ironbark	9 3	"	31 July, "	353	Completed, 6 Jan., 1913.
"	Richardson, Blair and McCabe, (Limited)	Wellington	4,000 hardwood	4 6	Auckland	"	4,000	In hand.
22 Aug., 1912	Ditto	"	20,000 "	4 10	"	22 Aug., 1913	3,165	
22 "	Miller's West Australian Hardwoods Company (Limited)	"	37,000 "	4 9½	"	21 May, "	Nil	



APPENDIX D—continued.

SCHEDULE of SLEEPER CONTRACTS CURRENT ON 1st April, 1912, and CONTRACTS ENTERED INTO by the Public Works Department, &c.—continued.

Date of Contract or Agreement.	Contractor's Name.	Address.	Number of Sleepers contracted for, and Class of Timber.	Rate per Sleeper.	Place of Delivery.	Date for Completion.	Total delivered to Date.	Date of Completion.
TAURANGA DISTRICT.								
21 Oct., 1910 ..	Fraser and Co. ..	Grafton, New South Wales	7,650 hardwood 510 440 200, 8' x 6" x 7", iron-bark	s. d. 4 4 4 6 4 8 5 3	Tauranga ..	21 April, 1911..	5,671 371 212 3	..
GISBORNE DISTRICT.								
16 Aug., 1911 ..	Samuel Brown (Limited)	Wellington ..	230, 11' x 8" x 6", iron-bark 60, 7' x 8" x 5", hard-wood 124, 8' x 8" x 5", ditto 80, 9' x 8" x 5", " 100, 10' x 8" x 5", " 76, 11' x 8" x 5", " 2,000, 7' x 8" x 5", " 21,000, 7' x 8" x 5", jarrah 80, 7' x 8" x 5", " 160, 8' x 8" x 5", ditto 108, 9' x 8" x 5", " 132, 10' x 8" x 5", " 100, 11' x 8" x 5", "	30s. % sup. ft. 25s. % sup. ft. " " " " " " " 6 5 0 24s. % sup. ft. " " " " " " " "	Gisborne ..	16 Feb., 1912..	212 59 104 80 92 76 1,450 21,000 80 160 108 132 85	..
2 " " ..	J. J. Wallace and Co. (Limited)	" "	" "	" "	" "	2 Nov., 1911 .. 5 Sept., 1912..	" "	29 Mar., 1912. 3 Jan., 1913.
5 Mar., 1912 ..	Millar's West Australian Hard-wood Company (Limited)	" "	" "	" "	" "	" "	" "	" "
NAPIER DISTRICT.								
17 April, 1912 ..	Millar's West Australian Hard-woods Company (Limited)	Wellington ..	24,492 7' x 8" x 5", jarrah	4/6 and 5/-	Napier and Gisborne	17 Oct., 1912..	24,199	31 Dec., 1912.
17 " " ..	Ditto ..	" "	580 crossing	24/-	Gisborne ..	17 " " ..	308	31 " "
STRATFORD DISTRICT.								
18 April, 1912 ..	The New Zealand Powell-Wood Process (Limited)	Rangataua	24,500 powellized birch	s. d. 4 0	Rangataua	12 Nov., 1912..	10,500	" "
18 " " ..	Ditto ..	" "	580 crossing	19/6 per 100 sup. ft.	" "	12 " " ..	460	" "
2 Feb., " ..	Silver-pine Timber Company ..	Horopito ..	1,820 silver-pine	7 0	Horopito	5 May, 1913..	166	" "
WELLINGTON DISTRICT.								
10 Sept., 1912 ..	Millar's West Australian Hard-woods Company (Limited)	Wellington ..	35,000 jarrah	s. d. 4 9½	Wellington	21 May, 1913..	Nil	In hand.
10 " " ..	Ditto ..	" "	2,502 crossing	25s. % sup. ft.	" "	21 " " ..	" "	" "

APPENDIX D—continued.

SCHEDULE of SLEEPER CONTRACTS CURRENT on 1st April, 1912, and CONTRACTS ENTERED INTO by the Public Works Department, &c.—continued.

Date of Contract or Agreement.	Contractor's Name.	Address.	Number of Sleepers contracted for, and Class of Timber.	Rate per Sleeper.	Place of Delivery.	Date for Completion.	Total delivered to Date.	Date of Completion.
SOUTH ISLAND.								
WESTLAND DISTRICT.								
16 April, 1912	F. Fox	Cronadun	813 silver-pine	s. d. 3 3	Cronadun	16 April, 1912.	813	16 April, 1912.
22 "	J. A. Cooper	Hokitika	560 "	3 3	Hokitika	22 "	560	22 "
22 "	Jack Bros.	Kotuku	629 "	3 3	Kotuku	22 "	629	22 "
9 May,	T. Chinn	Ross	1,042 "	3 3	Ross	9 May,	1,042	9 May,
7 June,	W. Ryan	Kokiri	533 "	3 3	Kokiri	7 June,	533	7 June,
9 July,	J. Cooper	Hokitika	675 "	3 3	Hokitika	9 July,	675	9 July,
12 "	P. Brunning	Cronadun	2,833 "	3 3	Cronadun	12 "	2,833	12 "
24 "	T. Chinn	Ross	602 "	3 3	Ross	24 "	602	24 "
6 Nov.,	F. Fox	Cronadun	1,183 "	3 6	Cronadun	6 Nov.,	1,183	6 Nov.,
28 "	G. Feary	"	3,083 "	3 6	"	28 "	3,083	28 "
Various	Various	Various	4,512 "	Various	Various	Various	4,512	Various.
CHRISTCHURCH DISTRICT.								
21 Aug. 1912	Millar's West Australian Hardwood Company (Limited)	Wellington	15,000 jarrah	s. d. 4 9½	Lyttelton	21 May, 1913.	15,204	18 Feb., 1913.
21 "	Ditto	"	170 crossing	23s. per 100 sup. ft.	"	21 "	170	18 "
DUNEDIN DISTRICT.								
22 Aug., 1912	J. A. Redpath and Son	Christchurch	11,000 hardwood	s. d. 4 6½	Dunedin	22 May, 1913.	1,232	"

## APPENDIX E.

## ANNUAL REPORT ON PUBLIC WORKS BY THE ENGINEER-IN-CHIEF.

(1ST JULY, 1912, TO 30TH JUNE, 1913.)

The ENGINEER-IN-CHIEF to the Hon. the MINISTER OF PUBLIC WORKS.

SIR,—

Public Works Office, Wellington, 30th June, 1913.

I have the honour to submit the following report on the various works completed and in progress throughout the Dominion during the past year:—

## RAILWAYS.

## ABSTRACT.

The following table shows the expenditure and liabilities on Government railways in New Zealand up to the 31st March, 1913:—

Name of Railway.	Total Length of Railway or Section.	Open for Traffic.	Expenditure to 31st March, 1913.		Liabilities on 31st March, 1913.	
	M. ch.	M. ch.	£	s. d.	£	s. d.
Kaihu Valley .. .. .	19 58	17 21	75,526	11 10	397	16 9
Kawakawa-Hokianga .. .. .	34 12	..	116,396	1 8	..	..
Opua Wharf - Grahamtown (Onerahi) .. .. .	58 6	58 6	515,391	5 11	..	..
North Auckland Main Trunk Railway (from Helensville) .. .. .	121 0	45 42	681,200	17 4	6,401	1 3
Helensville - Te Awamutu, with Branches .. .. .	151 1	151 1	1,675,827	19 8	3,646	17 1
Huntly-Awaroa .. .. .	9 0	..	..	..	..	..
Hamilton-Thames, with Branches .. .. .	75 18	75 18	505,697	12 8	3 0	0 0
Thames Valley - Rotorua .. .. .	69 33	69 33	359,544	0 11	..	..
Tauranga-Paengaroa, with Branch (part of) .. .. .	18 65	..	94,612	18 4	3 0	0 0
Gisborne-Motu .. .. .	52 34	31 69	510,985	2 9	286	6 4
Napier-Gisborne .. .. .	120 0	..	28,977	10 6	135	13 9
Wellington-Napier and Palmerston North (including Te Aro Extension and Greytown Branch) .. .. .	233 12	233 12	2,483,715	6 0	..	..
Wellington-Waitara, with Branches .. .. .	289 27	285 59	2,564,512	9 6	..	..
Stratford - Okahukara .. .. .	94 70	31 40	522,354	4 4	1,770	18 1
North Island Main Trunk (Marton - Te Awamutu) including Raetihi Branch .. .. .	217 69	209 69	2,705,750	4 8	..	..
Picton-Waipara (South Island Main Trunk Railway)—						
Picton southwards .. .. .	92 34	48 9	585,869	6 3	3,932	5 2
Waipara northwards .. .. .	90 45	44 14	370,478	7 0	1,075	19 0
Nelson-Belgrove .. .. .	22 73	22 73	197,922	17 1	..	..
Midland Railway* .. .. .	239 71	151 66	1,611,204	12 6	8,650	9 5
Westport-Ngakawau .. .. .	19 56	19 56	188,008	17 3	..	..
Westport-Ngakawau Extension to Mokihinui†	7 12	7 12	..	..	..	..
Mokihinui Colliery Line‡	3 69	3 69	..	..	..	..
Westport-Inangahua .. .. .	26 0	5 74	116,760	2 2	28,857	8 7
Ngahere-Blackball .. .. .	3 40	3 40	147,536	10 5	..	..
Greymouth - Coal Creek .. .. .	8 70	5 1	235,933	15 2	1,958	4 6
Greymouth-Brunner .. .. .	7 51	7 51	150,512	11 11	..	..
Greymouth-Mikonui .. .. .	41 0	38 68	336,873	5 2	..	..
Culverden-Hammer Motor-cars and Repairs to Road .. .. .	..	..	3,334	0 0	..	..
Hurunui-Waitaki, with Branches .. .. .	483 72	443 8	2,496,796	17 1	..	..
Canterbury Interior Main Line—Oxford-Temuka .. .. .	83 0	11 44	59,343	9 2	..	..
Waitaki-Bluff, with Branches .. .. .	616 68	523 1	4,759,177	11 10	3,542	15 3
Otago Central .. .. .	182 56	134 76	1,280,391	18 9	..	..
Invercargill-Kingston, with Mararoa Branch .. .. .	117 4	97 44	365,332	7 3	..	..
Forest Hill Railway—Winton-Hedgehope§	12 40	12 40	22,983	14 5	..	..
Western Railways .. .. .	71 6	70 31	329,429	17 2	..	..
Preliminary Surveys .. .. .	..	..	38,437	17 10	3 8	3
Miscellaneous .. .. .	..	..	10,336	19 11	..	..
Stock of Permanent-way on hand .. .. .	..	..	100,679	18 11	51,233	19 7
Rolling-stock .. .. .	..	..	5,421,055	5 2	143,441	0 0
<b>Total .. .. .</b>	<b>3,693 32</b>	<b>2,860 27</b>	<b>31,619,392</b>	<b>8 6</b>	<b>255,340</b>	<b>3 0</b>
PROVINCIAL GOVERNMENT LINES, ETC.						
Canterbury (lengths included above) .. .. .	..	..	731,759	0 0	..	..
Otago and Southland .. .. .	..	..	372,522	2 5	..	..
Gisborne to Ormond Tramway .. .. .	..	..	4,975	1 7	..	..
Midland Railway, valuation of works constructed by company .. .. .	..	..	1,683,460	3 1	..	..
<b>Grand total .. .. .</b>	<b>3,693 32</b>	<b>2,860 27</b>	<b>33,412,108</b>	<b>15 7</b>	<b>255,340</b>	<b>3 0</b>

\* The amount shown as expenditure represents the net amount charged against the Dominion.

† The funds for this extension—namely, £35,501 2s. 11d.—were provided by the Westport Harbour Board.

‡ The funds for purchase of this line, £15,745, were provided by the Westport Harbour Board.

§ The expenditure on this line as a tramway was made by the Lands Department.

|| Includes expenditure on railways under Hutt Road and Railway Improvement, Railway Improvement Authorization Act, and Wellington-Manawatu Railway Purchase Act Accounts.

¶ Includes value for £150,000 paid to debenture-holders under the Midland Railway Petitions Settlement Act Amendment Act, 1903.

During the financial year a total length of 52 miles 51 chains of railway, as shown in the following table, was opened for general traffic :—

Plan Mileage.		Railway.	Section.	Length.	Date of handing over.
M. ch.	M. ch.			M. ch.	1912.
0 0	to 5 74	Westport-Inangahua ..	Te Kuha .. ..	5 74	1 April.
23 74	to 31 69	Gisborne-Motu .. ..	Waikohu-Otoko ..	7 75	6 April.
22 65	to 31 40	Stratford Main Trunk (west end)	Pohokura .. ..	8 55	1 August.
35 50	to 44 13	South Island Main Trunk	Parnassus .. ..	8 43	1 September.
46 38	to 59 17	Midland .. ..	Manu and Glenhope ..	12 59	2 September.
72 45	to 81 30	North Auckland ..	Kaiwaka .. ..	8 65	1913. 18 March.
				52 51	

KAIHU VALLEY RAILWAY (16 m. 67 ch. to 19 m. 24 ch.—2 miles 37 chains in length).

Rails have been laid and ballasting is practically completed to 18 m. 40 ch. A bridge at this point is almost finished, as are also bridges at 18 m. 45 ch. and 18 m. 65 ch.

A siding 30 chains in length was constructed into ballast-pit at Maropiu.

The formation of Waima Station yard is finished.

All works on this line should be completed within six months.

#### KAWAKAWA-HOKIANGA RAILWAY.

*Ngapipito Section (0 m. to 7 m.).*—All bridges on this section have been completed. The ballasting is completed up to 6 m., leaving only 1 mile to finish.

The railway reserve has been fenced on both sides.

*Kaikohe Section (7 m. 0 ch. to 16 m. 25 ch.).*—The formation-work is nearing completion. The formation of Otuhi and Rakatau station-yards is in hand. Approach roads have been made to Rakatau and Kaikohe station-yards.

All culverts, fencing, bridges, and platelaying on main line have been completed during the year. There are, however, still 2 miles of sidings to put in. All ballasting has been finished except about 1½ miles of top lift on main line and the ballasting of station-yards; station buildings are being erected by day labour and petty contracts at Kaikohe, Ngapipito, and Otuhi station-yards. The permanent telephone-line is in course of construction.

#### NORTH AUCKLAND RAILWAY.

*Kaiwaka Section (72 m. 45 ch. to 81 m. 30 ch.).*—A turntable was erected at Kaiwaka Station yard. Slips, especially between 77 m. 65 ch. and 80 m. 78 ch., were very troublesome. This section was finally completed and handed over to Railway Department on the 18th March, 1913.

*Otamatea Section (81 m. 30 ch. to 83 m. 75 ch.).*—The Kaitara bank and 10 ft. culvert have now been completed. The pug cuttings between 82 m. 10 ch. and 34 ch. slipped badly, but have since been cleared out. The rails have been laid to 83 m. 73·50 ch., and the ballasting, except on the Kaitara bank, complete to 83 m. 68 ch.

The Otamatea Wharf was completed at the end of May, and the approach-filling is now in hand.

The contract for the erection of the Otamatea Bridge is considerably behind time; three 41 ft. and four 100 ft. spans have been completed.

*Bickerstaffe Section (83 m. 75 ch. to 88 m. 20 ch.).*—The Bickerstaffe tunnel, 8½ chains long, has been completed.

The bridge over Muddy Creek at 86 m. 70 ch. is almost completed.

The driving of Maungaturoto Tunnel is proceeding slowly on account of the heavy nature of the country, about 7 chains of tunnel having been completed.

The earthworks (with one or two exceptions) on this section are complete.

*Huarau Section (88 m. 20 ch. onwards).*—Formation and culverts are in hand up to 88 m. 48 ch., but work has been delayed pending the location of the line further ahead.

#### HUNTLY-AWAROA RAILWAY.

*Huntly-Awaroa Section (7 miles 24 chains in length).*—Earthworks have been completed up to 1 m. 40 ch., and are in hand up to 3 m.

The combined road and railway bridge over the Waikato River at Huntly is nearing completion, there remaining unfinished the last 100 ft. span and a small extension rendered necessary by road-alterations in Huntly Township.

#### EAST COAST MAIN TRUNK RAILWAY.

##### *Waihi-Tauranga.*

*Waihi Southwards Section.*—The bulk of the earthworks and many of the culverts on the first 4 miles are completed.

*Tauranga—Opotiki.*

*Maunganui—Te Puke Section (13 miles in length).*—The subsidence of embankments mentioned in last year's report still continues. Most of the banks are holding up fairly well with the exception of the long swamp, 50 m. 33 ch. to 52 m. 28 ch.

Permanent bridges have been erected at 53 m. 44 ch., 52 m. 28 ch., and 51 m. 20 ch.

Rails have been laid to Te Puke, 53 m. 77 ch. Quarrying and crushing have been steadily continued throughout the year, and ballasting operations pushed on. Ballasting is completely finished for 2 miles 50 chains, and a first lift is on throughout the section, except on the long swamp previously referred to.

A tender has been accepted for the erection of station buildings at Otaamataua, Papamoa, and Te Puke, and a well-equipped workshop has been erected at Mount Maunganui Station-yard.

*Te Puke—Paengaroa Section (length, 5 miles 65 chains).*—Fair progress has been made on this section, and the most of the earthworks, except the big Kaituna bank, are finished ready for platelaying.

There have been 2 miles 13 chains of fencing erected.

*Opotiki—Gisborne.*

*Rakauroa Section (31 m. 45 ch. to 38 m. 25 ch.).*—Platelaying and fencing are complete. Two lifts of ballast have been put on throughout except on sidings.

A steel-girder bridge on concrete piers over the Waikohu River at 37 m. 52 ch. has been erected during the year. Land-slides gave considerable trouble between 31 m. 35 ch. and 32 m.

A new ballast-pit has been opened at Puha, and ballast obtained from it for Rakauroa and Matawai Sections.

*Matawai Section (38 m. 25 ch. to 44 m. 10 ch.).*—The earthworks on this section are finished. Several of the cuttings slipped badly, especially at 40 m. 25 ch., where the ground has slipped for several chains back from line.

The tunnel at 42 m. 42 ch. has been lined with concrete, and the portals at both ends finished.

All platelaying and fencing are finished, and two lifts of ballast have been placed on main line, and one lift in Matawai Station yard. At the latter yard four cottages have been erected.

*Motu Section (44 m. 10 ch. onwards).*—The formation of this section is in hand up to 48 m., most of the cuttings being through.

A 10 ft. circular culvert has been built at 46 m. 25 ch., and all other culverts are in place up to 47 m. 40 ch. This section is partly fenced up to 46 m.

*Gisborne—Napier.*

*Ngatapa Section (0 m. to 10 m. 29 ch.).*—The earthworks are almost finished and all the smaller culverts are complete. The formation of the Ngatapa Station yard is in progress. The fencing of railway reserve is about complete.

A survey has been made of a line and siding from main line to Patutahi Quarry.

*Waikura Section (10 m. 29 ch. onwards).*—Three formation contracts, covering 50 chains of line, have been let and are now in progress.

*Eskdale Section (0 m. onwards).*—During the year formation-work has been done from 6 m. 35 ch. to 7 m. 35 ch., and from 7 m. 50 ch. to 8 m. 68 ch., and a culvert built at 7 m. 59 ch. Some necessary fencing has been done between 7 m. and 8 m. 40 ch.

A test pile has been driven near 1 m. 17½ ch., in the vicinity of the proposed railway and road bridge.

A contract is being prepared for the construction of the first 2 miles of railway.

## STRATFORD—MAIN TRUNK RAILWAY.

*Western End.*

*Pohokura Section (22 m. 65 ch. to 31 m. 40 ch.).*—This section, 8 miles 55 chains in length, was handed over to the Railway Department on the 1st August, 1912.

*Whangamomona Section (31 m. 40 ch. to 37 m. 53 ch.).*—The formation-work is complete except for the lining of some water-drives and the construction of private crossings. Considerable extra work was occasioned by slips on the heavy sidelings between 34 m. 40 ch. and 35 m., the slip at 35 m. being particularly bad. Seven steel-girder bridges between 35 m. 70 ch. and 37 m. 25 ch. have been erected during the year.

Platelaying on main line has been completed to Whangamomona Station yard, and the ballasting to 37 m. 22 ch.

A contract for the station buildings at Whangamomona is in progress, and should be completed in January. This section should then be ready for handing over to the Railway Department.

*Tahora Section (37 m. 53 ch. onwards).*—The earthworks up to 42 m. are nearly finished, and are in hand up to 44 m. 76 ch. Deviations are being made to avoid slips at 38 m. 10 ch. and 38 m. 50 ch.

The bottom heading of tunnel at 44 m. 40 ch. has been driven and the enlargement commenced. Washed shingle and concrete blocks are being brought from Skinner Road ballast-pit. The tramway has been completed up to 44 m. 12 ch. near the tunnel. Wherever possible the tram has been laid on the railway formation with permanent-way materials. Passengers, goods, and construction material are carried on this tram.

Bridges at 37 m. 61 ch. and 39 m. 43 ch. are in hand.

One cottage is being erected at Kohuratahi Station and another is being removed there from Skinner Road ballast-pit.

*Eastern End.*

The service road from Okahukara to Ohura Valley was completely formed and metalled, and is now open for traffic. A branch service road has also been constructed up towards the tunnel at the Okahukara end. Formation and culverts are in hand under the co-operative system from 0 m. to 1 m. 40 ch.

A contract has been let for the construction of line from 1 m. 40 ch. to 4 m., including a tunnel 74 chains long through the divide.

Small contracts are being prepared for formation-work between 4 m. and 6 m.; on these 2 miles the Department is constructing the culverts.

Three cottages have been built at Okahukara by this Department, and sidings and station buildings in yard by Railway Department.

## MOUNT EGMONT RAILWAY.

(5 m. 64 ch. onwards).

The Little River diversion is now complete, and three bridges have been erected over it. The earthworks are complete to 8 m. 3 ch., and the clearing to 8 m. 60 ch. Rails have been laid from 5 m. 64 ch. to 6 m. 17 ch., including 22 chains at the "Foot Station."

Trial lines were run on both the Manganui and Mangamawhete sides of the quarry-face, and it was finally decided to adopt the Mangamawhete face. A scheme is now being prepared for working the quarry, and trial shafts and drives are being put in to determine top and bottom of rock. The quarry-site is now being cleared.

## NORTH ISLAND MAIN TRUNK RAILWAY.

*Raetihi Branch (0 m. onwards).*—The arrangements at Ohakune Junction were altered, necessitating a re-location of the line between Junction and Ohakune Township, a distance of about 2 miles.

The centre-line has been cleared for about  $2\frac{3}{4}$  miles, formation-work is in hand on the first 29 chains, and culverts are being constructed up to 1 m. It is intended to let the rest of the formation-work in small contracts.

## SOUTH ISLAND MAIN TRUNK RAILWAY.

*North End.*

*Mirza Section (48 m. 10 ch to 61 m 45 ch.).*—Very little earthwork has been done this year. The centre-line has been restaked out and levelled, and plans and specifications are being prepared so as to let a contract for the completion of section, including earthworks, platelaying, and ballasting. Most of the rails and sleepers are on hand at Ward Station yard.

*Mills Section (51 m. 45 ch. to 56 m. 6 ch.).*—Formation-work on this section is well advanced; an approach road has been formed from main road to the south end of Ure Bridge. The Tar-barrel Tunnel at 53 m. 2 ch. has been completely excavated and lined. All sand batters of formation to the south of the Ure Bridge have been planted with marram-grass, which has proved very successful.

It has been found necessary to cover the sand formation with a 6 in. layer of ballast to prevent it being blown away.

A contract has been let for the construction of the Ure Bridge, of sixteen 25 ft. spans. Half the piers have been driven, and all timber is now on the ground.

It is intended to call for tenders for the completion of this section, and plans and specifications are now being prepared.

*Kekerangu Section (56 m. 6 ch. onwards).*—Nothing has been done on this section beyond the survey and the planting of marram-grass. A deviation from the original surveyed line has been pegged between 56 m. 6 ch. and 60 m., which will effect a saving of £1,600.

Near 61 m. on trial line a large slip has occurred, and it is now being surveyed and borings taken to ascertain the nature of the slip.

*South End.*

*Parnassus Section (35 m. 50 ch. to 44 m. 13 ch.).*—This section was completed (except for stone groynes in Waiau River) and handed over for traffic to Railway Department on the 1st September, 1912.

*Mendip Section (44 m. 13 ch. to 51 m.).*—The earthwork is almost completed to 47 m., and some work has been done between 47 m. and 48 m. The culverts are completed to 46 m. Two piers of Leader Bridge were constructed, and the girders are on site. Rails have been laid to 44 m. 58 ch.

## MIDLAND RAILWAY.

*Nelson—Westland Section, North End.*

*Manu Section (46 m. 38 ch. to 49 m. 55 ch.).*—This section was handed over to the Railway Department on the 2nd September, 1912.

*Glenhope Section (49 m. 55 ch. to 59 m. 17 ch.).*—This section was also finally completed and handed over to the Railway Department on the 2nd September, 1912.

*Kawatiri Section (59 m. 17 ch. to 63 m. 10 ch.).*—The line has been cleared up to 62 m. 41 ch., and the earthwork completed to 59 m. 73 ch., and partially done up to 61 m. 27 ch. Most of the culverts up to 61 m. have been constructed.

*Nelson—Westland Section, South End.*

*Cronadun—Landing Section (45 m. 40 ch. to 54 m.).*—This section is complete, but is still being held and maintained by this Department.

*Landing—Inangahua Junction Section (54 m. to 58 m. 40 ch.).*—All earthworks are completed, and rails have been laid up to 58 m. 40 ch. The ballasting is now in hand. The bridge over Hard Creek has been constructed. A temporary station has been formed at 58 m. 30 ch., but no station buildings have as yet been constructed.

*Canterbury—Westland Section, West End.*

*Otira Section (50 m. 38 ch. to 51 m. 40 ch.).*—The protective work has been continued in the Otira and Rolleston river-beds.

*Arthur's Pass Tunnel Contract (51 m. 40 ch. to 59 m. 40 ch.).*—This work was taken over by the Government from Messrs. John McLean and Sons (Limited) on the 28th December, 1912, and has been carried on by the Department, principally on day-wages, except outside work, such as block-making, formation, river-protective works, &c., which have been worked on the co-operative-contract principle. At the Otira end the tunnel is lined completely to 54 m. 49 ch., a distance of 1 mile 62 chains, and the bottom heading driven to 54 m. 75 ch., a distance of 2 miles 8 chains. At the Bealey end the lining is completed to 57 m. 62 ch., a distance of 30 chains, and the bottom heading driven to 57 m. 53 ch., a distance of 39 chains. There remain, therefore, 2 miles 58 chains of bottom heading still to drive, and 3 miles 13 chains between the completed portions.

The piers of bridges at Rough Creek, 58 m. 65 ch., and flood-opening, 59 m. 18 ch., have been built. A temporary terminal station is being constructed at Bealey Flat, 58 m. 50 ch. Seven cottages are being erected on the terrace opposite 58 m. 30 ch.

The protection-work is nearly complete from 59 m. 40 ch. to Bealey Flat, but above this point to the tunnel there is still a considerable extent to do.

*Bealey Section (27 m. 40 ch. to 41 m. 46 ch.).*—The formation of the section is almost complete, and the rails have been laid up to 40 m. 26 ch. Ballasting is in hand up to 38 m. 52 ch.: this has been delayed by the raising of formation between 34 m. 30 ch. and 36 m., rendered necessary by floods. Ballasting will now be continued to Bealey Flat. The lower Bealey Bridge at 38 m. 68 ch. is almost finished.

Severe floods in March damaged a good deal of protection-work, but this has now been repaired, and is now approaching completion.

## WESTPORT—INANGAHUA RAILWAY.

*Cascade Section (5 m. 74 ch. to 12 m.).*—Practically the whole of the earthwork on this section is now being done by contract, a total of eighteen contracts have been let up to 10 m. to date, and of these, six have been completed and one abandoned. Further contracts have been prepared for formation between 10 m. and 12 m., and the resurvey of 12 m. to 13 m. is in hand. Contract No. 1 (6 m. 35 ch. to 6 m. 70 ch.) should be complete within the next three months. Extensive slips have occurred on this contract. Contract No. 2 (6 m. 70 ch. to 7 m. 20 ch.) is practically complete. Contract No. 7 (7 m. 46 ch. to 8 m.) is in progress; includes earthwork and concrete-bridge abutments. Contract No. 8 (8 m. to 8 m. 38'50 ch.): Fair progress is now being made, and it should be finished within six months. Contract No. 9 (8 m. 42'40 ch. to 8 m. 50'50 ch.): Owing to difficulty in getting men, contract has been considerably delayed. Contract No. 10 (8 m. 50'50 ch. to 8 m. 68 ch.). This contract is now over time, and there remains yet the tunnel between 8 m. 56 ch. and 8 m. 64 ch. to complete. Contract No. 11 (7 m. 38'50 ch. to 7 m. 46'60 ch.) and contract No. 13 (9 m. 50 ch. to 9 m. 28 ch.): Fair progress has been made on both these contracts. Contract No. 14 (9 m. 28 ch. to 9 m. 39 ch.), contract No. 15 (9 m. 39 ch. to 9 m. 53 ch.), contract No. 16 (9 m. 53 ch. to 9 m. 59'50 ch.), and contract No. 17 (9 m. 59'5 ch. to 10 m. 0 ch.) are all in hand. A bushfelling and clearing contract (10 m. to 12 m.) is in hand, but is considerably over time owing to contractor being unable to get bushmen.

## GREYMOUTH—POINT ELIZABETH COLLIERIES RAILWAY EXTENSION.

*Coal Creek Section (3 miles 69 chains in length).*—This line is practically complete. The centre rail has been laid on the incline from Dunollie to Mount Davey Station, and the line is fully ballasted.

All sidings in the coal-bins yard have been laid and ballasted except for an area round the bins where Mines Department's material is stacked. Several slips have occurred, and a concrete wall has been built to hold a slip near the bins.

A contract was let for the erection of station buildings at Mount Davey Station, but, owing to wet weather and green state of timber, poor progress has been made. The weighbridge has been erected and housed in.

Mining machinery and other material have been carried up and coal carried down the line whenever required.

## CATLIN'S—WAIMAHAKA RAILWAY.

*Catlin's End.*

*Puketiro Section (24 m. 8 ch. to 31 m. 30 ch.).*—From 24 m. 8 ch. to 25 m. 60 ch. has been completed for some time, but is still retained by the Department for convenience in ballasting, the quarry and stone-crushing plant being situated at 24 m. 20 ch.

The bank at 26 m. 37 ch. slipped and had to be refilled; the culvert under this bank was lengthened by 58 ft. Slips were also removed at 31 m. 20 ch. This section is now almost complete.

*Papatowai Section (31 m. 30 ch. to 36 m. 60 ch.).*—All clearing of main line was finished, and further clearing is in hand for additions to Papatowai Station yard. The service tramway has been extended to the bank of the Macleannan River opposite 36 m. 10 ch.

Earthworks are complete except several banks that have slipped, and the widening of Papatowai Station yard. 18 chains of approach roads at Caberfeidh Station and 6 chains at Papatowai have been formed. The line has been trimmed and rails laid to 35 m. 61 ch., and a first lift of ballast is on to 35 m. 54 ch., and a second lift to 33 m. 60 ch.

In Caberfeidh Station-yard the sidings have been laid and partially ballasted. A contract was let for the erection of the Macleannan River Bridge, and the contractor has now his temporary staging erected.

A contract has also been let for the erection of station buildings at Caberfeidh and Papatowai.

*Tahakopa Section (36 m. 60 ch. to 42 m.).*—Clearing on this section is complete from 36 m. 60 ch. to 39 m. 71 ch., and from 40 m. 11 ch. to 41 m. 13 ch. The formation-work is so far completed that the rails could be laid as far as 37 m. 21 ch. Formation and ditching is in hand to 41 m. 5 ch. There were 15 chains of road-deviation formed.

#### LAWRENCE—ROXBURGH RAILWAY.

*Beaumont Section (29 m. 33 ch. to 34 m. 65 ch.).*—The excavation and lining of Big Hill Tunnel, 29 m. 36 ch. to 29 m. 57.50 ch., were completed in December last; the bottom has been trimmed and stone drains placed along both footings.

The formation of line is complete to 32 m. with the exception of a bank at 30 m. 66 ch. and a bank and cutting between 31 m. 35 ch. and 31 m. 45 ch. Earthworks are now in hand to 34 m. 2 ch. Considerable delay in completing the big bank and cutting at 30 m. 62 ch. was caused by the bank slipping, necessitating extensive stone and tile draining. Culverts and stream diversion are complete to 32 m., and fencing to 31 m. 70 ch. At 30 m. a road-deviation and overhead bridge have been constructed; also road-deviations from 51 m. 60 ch. to 70 ch., and from 32 m. 63 ch. to 33 m. 6 ch. Fencing has been completed on both sides from Big Hill Station to 31 m. 70 ch. The heavy work is now in a completed state, only the light work remaining.

#### SURVEYS OF RAILWAYS UNDER CONSTRUCTION, NEW LINES OF RAILWAYS, LAND PLANS, ETC.

##### KAWAKAWA—HOKIANGA RAILWAY.

The permanent line has been pegged as far as 20 m., and exploration surveys are about to be undertaken beyond Hokianga. The land-plan survey is in hand beyond Kaikohe Station, at 16 m. 25 ch.

##### WHANGAREI SOUTHWARDS RAILWAY.

A trial survey, 25 miles 27 chains long, from Whangarei, via Mangapai and the Tauraroa River, to connect with the North Auckland Trunk line, was completed. Further trials are now being run along alternative routes.

##### NORTH AUCKLAND RAILWAY.

A deviation has been made between 88 m. 70 ch. and 90 m. 42 ch. Surveys were also made for a deviation in the Paparoa Valley. Trial lines have been run and plans prepared up to 98 m. Trial surveys have been made or are in hand from 98 m. up to the Wairoa River crossing near Kirikopuni (about 121 m.). A contract has been completed for a land-plan survey from 86 m. 9 ch. to 88 m. 48 ch.

##### HUNTLY—AWAROA BRANCH RAILWAY.

The permanent survey of the line is finished up to 5 m. 35 ch., and beyond this point the trial surveys of two alternative routes have been made. It has now been decided to proceed with the permanent pegging up to 7¼ m. along the adopted route. The land-plan survey up to 3 m. is complete except the first 10 chains.

##### WAIUKU BRANCH RAILWAY.

Trial surveys are in hand, and 6½ miles of the old survey have been revised.

##### MAIN TRUNK—CAMBRIDGE—ROTORUA RAILWAY.

An examination and report were made of the following three routes: Cambridge to Tirau; Cambridge to Putaruru; Putaruru to Kawa.

##### KAWHIA—MAIN TRUNK RAILWAY.

Exploration surveys to connect Kawhia with the Main Trunk railway have been carried out, the following routes being reported on: Kawhia to Frankton Junction; Kawhia to Kiokio; Kawhia to Hangatiki; and Kawhia to Kawa.



## EAST COAST MAIN TRUNK RAILWAY.

*Te Puke - Paengaroa Section.*—A land-plan survey has been made, and plans are now being checked.

*Paengaroa-Pongakawa-Otymarakau-Matata Section.*—The trial line was completed to 94 m. 50 ch., and the permanent line pegged to 92 m. 72 ch.

*Okere-Paengaroa.*—A trial survey was completed in August, 1912.

*Waiki Southwards to Tauranga.*—The permanent survey was completed to 11 m. 18 ch. The land-plan survey of the first 4 miles has been completed.

*Te Puke Quarry.*—Several trial surveys were made, and permanent survey has now been made.

*Gisborne-Motu.*—The permanent location survey has been carried to 52 m.

*Gisborne-Napier.*—At the Gisborne end, surveys are in hand from Ngatapa, 11 m., to about 34 m. At the Napier end the permanent line has been pegged to 10 m., and the trial survey made up to 20 m. 7 ch. The plans of this are in hand. A land-plan survey has been made from 1 m. 60 ch. to 8 m., and plans are now under examination.

## HASTINGS-PUKETITIRI TRAMWAY.

A reconnaissance survey for a light railway between Hastings and Puketitiri, a distance of about 41 miles, has been made.

## STRATFORD - MAIN TRUNK RAILWAY.

*West End.*—A trial survey was run on original route through Tangarakau Gorge, and several deviations were also made. A rough trial was then run from Tahora Station down the Raekohua Valley, across the Tangarakau River, and through the Maraekowhai Native block into the Heao Valley: this route has been adopted, and is now being surveyed.

*East End.*—The permanent survey is complete to 16 m. 60 ch., and plans are now being completed.

## NORTH ISLAND MAIN TRUNK RAILWAY.

*Raetihi Branch.*—The permanent survey has been completed up to 6 m., and is in hand to Raetihi Township. Plans of the first 4 miles are complete.

## MOUNT EGMONT BRANCH RAILWAY.

The permanent line has been pegged up to the face at the Mangamawhete quarry-site.

## OPUNAKE BRANCH RAILWAY.

Several trial surveys were made from near Te Roti Station.

## MIDLAND RAILWAY.

*Nelson End.*—The permanent line has been pegged to 63 m. 10 ch. and plans prepared. Two trial surveys have been made between 63 m. 10 ch. and 65 m. 46 ch., and a trial continued from there to 69 m.

## SOUTH ISLAND MAIN TRUNK RAILWAY.

*Canterbury-Marlborough (South End).*—A trial line was run from 56 m. 6 ch. to 60 m., and permanent line has now been pegged to this point. A trial survey is also completed from 60 m. to 62½ m. Trial surveys of three routes have been made for about 12 miles beyond Mendip Hills to the Charwell Flats.

## \* CULVERDEN-WAIAU.

Trial surveys of two routes are being made.

## CATLIN'S-WAIMAHAKA RAILWAY.

The permanent line was pegged from 38 m. 58 ch. to 41 m. 64 ch. A land-plan survey from 29 m. to 36 m. 57 ch. was carried out under contract.

## LAWRENCE-ROXBURGH RAILWAY.

The permanent line was pegged to 34 m. 68 ch. A land-plan survey was completed from 29 m. 20 ch. to 32 m.

## BALCLUTHA - TUAPEKA MOUTH RAILWAY.

A trial survey is now being made up the left bank of the Clutha River from a point on the main line from Dunedin to Invercargill about 55 chains north of the Clutha Bridge.

## OREPUKI-WAIAU RAILWAY.

A trial line survey was made from Waikoupo to Orawia.

## ROADS AND BRIDGES.

Under all votes and accounts, except roads on goldfields, the total expenditure on roads during the last financial year amounted to £434,739. The amount expended during the quarter ended 30th June, 1913, was £102,706.

The *Te Kuiti-Awakino Road*, which is the main road from Te Kuiti to New Plymouth, has now practically been metalled from Te Kuiti to Piopio. Estimates have been made for metalling the remainder of the road; also the road from Piopio to Aria.

The *Ohura Road*, connecting the Main Trunk district with Taranaki, is now almost complete, with the exception of a bridge in the Tangarakau Gorge. At the Main Trunk end a deviation was formed and metalled close to the Stratford—Main Trunk Railway, from Okahukara to the Ohura Valley, thus saving 5 miles into the Ohura.

*Gisborne-Opotiki Road*.—Considerable survey and construction work has been done on the main road through from Motu to Opotiki.

*Wanganui Town Bridge (Dublin Street)*.—In seven piers, ferro-concrete cylinders were substituted for piles: these have now all been sunk, and the completion of piers is in hand. Two spans of steelwork are erected, and sufficient for four more spans has been prepared.

*Wairau River Traffic-bridge (near Renwicktown)*.—A traffic-bridge of eighty-nine 25 ft. spans on pile piers, and 69 chains of approaches, has been completed by the local body.

*Wairau Flood-damage*.—Extensive protective works have been carried out near the mouth of the Waihopai River by the local body.

*Opawa River Bridge (near Blenheim)*.—Plans have been prepared for a reinforced-concrete structure 560 ft. in length.

*Kahautara River Bridge*.—A contract was let for the erection of this bridge of twenty spans of 25 ft., and is now nearing completion. 29 chains of approaches at the north end and 5 chains at the south end are in hand.

*Lower Shotover Bridge*.—This bridge which was being erected under contract for the Lake County Council was badly damaged by a flood when nearing completion, one pier and a 160 ft. truss having fallen into the river. The Department undertook to complete the bridge, and now have the work in hand.

*Clutha River Bridge (at Luggate)*.—In connection with this work, which is being carried on by the Vincent County Council, the Department is assisting by testing cement and supervising the manufacture of ironwork at Dunedin.

*Waikato River Bridge at Tokaanu*.—The restoration of this bridge was completed in October last.

*Waitara River Bridge (Waitara)*.—The erection of a bridge of four 60 ft. steel-girder spans on concrete piers and reinforced-concrete piles was carried out by the Waitara Borough Council.

*Tokatoka Swamp Tram-line*.—On the application of the White-pine Timber Company the Department has extended the tram another 22 chains. There still remains another half-mile to complete to south-west corner of Section 3.

*Waipa River Bridge (Pirongia)*.—This bridge, consisting of steel girders on reinforced-concrete piers, is being constructed under the supervision of the Waipa County Council.

*Waiau River Protection-works*.—The Coromandel County Council have constructed some groynes and widened the stream.

*Waipa River Bridge (Kawa Road)*.—Plans for this bridge were prepared by the Department, and the local body has called for tenders for the erection.

*Taramakau Bridge Restoration*.—Several spans of this bridge were washed away during a flood, and re-erection is now in hand.

*Big Wanganui Bridge*.—In South Westland, on the Ross to Waiho Road, the Big Wanganui Bridge, with approaches, is now complete. This road would be safe for motor-car traffic if the Mikonui, Little Wanganui, and Waitaha Rivers were bridged.

Working drawings of the following bridges have been prepared in the Head Office during the past year: Motueka River Bridge; Mangamahaki River Bridge; Kawarau Falls Bridge; Tangarakau River Bridge; Cobden Bridge; Te Karae Stream Bridge; Mangapeehi Stream Bridge; Wairoa (Tauranga) Road Bridge; Kaupokonui Road Bridge; Otakeho Road Bridge; Mangawhero Road Bridge; Ngaruawahia Road Bridge; Rangiriri Bridge; Balclutha Road Bridge; Mangawhero River Bridge (Burrell's Road); Okere Falls Bridge; Waipawa River Road Bridge; Mangawhero River Bridge (Anderson's Road); Buller River Bridge; Saltwater Creek Road Bridge; Hope Valley Bridges; Seven-mile Creek Bridge; Taramakau Road Bridge; Makakaho Stream Bridge; Rotokautuku Road Bridge; Opawa River Road Bridge.

## FLOODS.

Surveys and reports have been made in connection with flood-damage and river-encroachment at Waipounamu, Oreti Valley, Balclutha, Inch-Clutha, Kaitangata, Stirling, Barnego, Otanomomo Settlement, Gore, and Waitaki River.

## IRRIGATION.

*Otekaike Settlement*.—A contract has been let for the construction of 6 miles of race on the eastern side of river, and material for the siphons and other structures is now being obtained.

*Central Otago Irrigation: Ida Valley Scheme*.—The access road from Ida Valley to the Manorburn dam-site has been improved; a new road was formed from the half-way peg to the right-hand bank of the dam-site, cutting off about 5 miles.

A large barracks, blacksmith's shop, oil-stores, magazine, crusher-and-mixer, and new rope-ways have been fixed across the gorge, and tram-line laid to quarry. The excavation for dam had been practically completed when a fault developed necessitating further sinking. Heavy rains and floods during the past few months have stopped progress, but it is intended to start concreting in November.

During the last winter about 30 chains of the Bonanza race were widened, and, in the spring, water was turned on for irrigation in the Ida Valley. Widening of race is now again in hand.

The site of the Moa Creek diverting-weir was excavated, and stone, gravel, and sand are on the ground in readiness for starting concreting in the spring.

About 20 chains of No. 3 Black's race has been finished, mostly in rock, and work is in hand to 1 m. 40 ch.

The sites of the Poolburn diverting-weir and dams have been set out.

A considerable amount of survey-work has been done in connection with the Manuherikia-Alexander-Clyde scheme. The country on the Moutere or right side of the Manuherikia has been carefully surveyed and levelled, and alternative race-lines have been set out. Little has been done on the Galloway side, and here there are alternatives to the scheme of picking up the water in Chatto Creek and conveying it across the Manuherikia River by means of the railway-bridge.

#### SEACLIFF MENTAL HOSPITAL WATER-SUPPLY.

A concrete dam is in hand in Waitiripaka Creek. Most of the pipes from dam to reservoir, a distance of 7 miles, have been laid, and the reinforced-concrete reservoir is practically complete. Floods and unfavourable weather have considerably hampered the work.

#### OHINEMURI SILTING.

A considerable amount of work has been done in killing and removing willows on the Waihou River and Komata Stream. About 3 miles of the river have recently been snagged.

Surveys have been carried out in connection with proposed stop-banks along the Ohinemuri River at Paeroa, and the Waihou River. Soundings and surveys of the Ohinemuri are being made below the Waihi-Paeroa Extraction Company's works to obtain information regarding the silting of the river.

Surveys have also been made of lands injured or destroyed by silt and of lands which will be specially benefited by reason of the river-improvements. A contract was let for the Ngararahi and Koutou cuts, for straightening the Waihou and Ohinemuri Rivers and forming stop-banks. The Ngararahi cut has been excavated to within 12 chains of the finishing-point, and the Koutou cut is in hand at the upper end. A contract is also in progress for the construction of a stop-bank along the right bank of the Ohinemuri River between Russel Street, Paeroa, and the Paeroa Railway-station.

A contract has been let to Messrs. Stevenson and Cook, of Port Chalmers, for the construction of a mechanical cutter suction dredge for the Waihou River improvement scheme.

#### TRAMWAYS.

*Auckland.*—The Green Lane to Mountain Road extension, the Victoria Avenue extension, and the Dominion Road duplication have been completed and passed for traffic. The duplication of the new North Road line between Dominion Road and New Edendale Road is in course of construction. Pneumatic sanders have been provided on 156 cars. Thirty new cars have been inspected and passed, making a total of 156 cars. Heavier brake-rigging has been fitted on all the old style of truck, Nos. 1 to 92 and 99 to 100.

*Gisborne.*—A tramway under a mile long was constructed and passed for traffic. The cars are electrically driven by power obtained from Edison-Beach storage batteries, no overhead equipment being necessary.

*Napier.*—This tramway is 2 miles 65 chains long, with a 12-chain branch line to railway-station. The track-work is practically complete, and half the overhead equipment is erected. The car-shed, power-house, and plant are ready. Five cars have arrived and are being put together.

*Wanganui.*—New cars and trailers were inspected and passed for traffic, making a total of twelve cars and two trailers in commission. Route No. 2, Gonville-Castlecliff portion, 2 miles 76 chains long, was completed and passed for traffic. A duplication was made along Taupo Quay and Victoria Avenue.

*Wellington.*—The duplication of the Brooklyn route from Nairn Street to the top of the hill is in hand, and the Kilbirnie route-duplication has been completed. During the year four new cars were inspected and passed for traffic. Cross-seated cars are being altered to provide central-passage-way.

*Christchurch.*—The Fendalton line was extended to Clyde Road, the Dallington line completed into Dallington, and the Papanui line extended from Horner Street to Northcote Road. On the Cashmere Hills line the line was duplicated between Moorhouse Avenue and Strickland Street, and extended up Hackthorne Road to the junction with Dyer's Pass Road. Ten new cars were inspected and passed.

*Invercargill.*—The balance of the authorized lines has been completed during the year.

*Wairio-Birchwood Tramway.*—The formation of this is still in progress, but is practically complete. No platelaying has as yet been done.

## MARINE.

*Hokianga*.—Motukaraka Wharf was completed by the Hokianga County Council during the year. The timber breastwork for reclamation purposes at Kohukohu has been extended. A horse-landing has been completed, and a pontoon launch landing is in an incomplete state at Kohukohu.

*Channel Island Light Beacon*.—The pedestal for this beacon has been made and stored in readiness for shipment, and a 5 ft. track and landing-stage are being constructed at the island.

*D'Urville Rocks Beacon*.—The manufacture of this beacon is in hand.

*Manukau Lighthouse*.—About  $\frac{3}{4}$  mile of track has been formed on the road leading from Huia to the North Head leading-light, Manukau Harbour.

*Ponui Passage Lighthouse*.—Repairs were carried out in building, and also to pile injured by a collision.

*Leigh Wharf*.—A wharf 42 ft. long and concrete sea-wall have been constructed by the local body.

*Turanga Creek Wharf*.—A small timber-wharf has been constructed at Whitford.

*Mahurangi River (Deepening)*.—6 chains of the river below the County Wharf have been deepened 2 ft. under the supervision of the local body.

*Matakana River (Dredging)*.—Considerable improvements have been effected by deepening the channel and easing sharp bends between Todd's Wharf and the County Wharf.

*Wade River (Deepening)*.—This work has been satisfactorily completed: the rocky bars have all been excavated, the channel straightened, and a turning-basin made just below the Wade Wharf, where steamers can now turn with ease.

*Chicken Island Light Beacon*.—The manufacture of this beacon has been completed by Messrs. Luke and Co.

*Castle Point Lighthouse*.—The tower for this lighthouse was completed and taken to Castle Point during the early part of last year.

*Somes Island*.—Repairs to cottage and wharf are in hand.

*Karamea Training-wall*.—The extension of the wall has been satisfactorily carried out.

*Little Wanganui Wharf*.—The contract for additions and repairs to this wharf was completed satisfactorily on the 30th September, 1912.

*Godley Head Lighthouse*.—A track and steps have been constructed from the lighthouse to the fog-signal.

## DEFENCES.

Various works in connection with defences have been carried out during the year at Auckland, Wellington, and Dunedin.

## CONTRACTS.

A complete schedule of contracts entered into during the year for the construction of works, and also for the supplies of material and the performance of various services, is given in Appendix C.

I have, &c.,

R. W. HOLMES, M.Inst.C.E.,

Engineer-in-Chief.

The Hon. the Minister of Public Works.



TABLE of LENGTHS of GOVERNMENT LINES AUTHORIZED, CONSTRUCTED, and SURVEYED up to 31st March, 1913—continued. SOUTH ISLAND.

Table with columns: Appropriation, Division, Mileage, Section, Main Line, Sidings, Total, State of Line (Surveyed, Under Formation, Under Laying), Date, and Total. Rows include various railway lines such as Nelson-Roundell Midland Railway, Westport-Ngakawau Extension, and Canterbury Interior Main Line.

## APPENDIX F.

## ANNUAL REPORT ON BUILDINGS BY THE GOVERNMENT ARCHITECT.

The GOVERNMENT ARCHITECT to the Hon. the MINISTER OF PUBLIC WORKS.

SIR,—

Public Works Office, Wellington, 1st July, 1913.

I have the honour to submit the following report on the various building-works throughout the Dominion carried out by the Department during the year ended 30th June last:—

## NEW PARLIAMENT BUILDINGS.

The foundations and basement have been completed. The conduit in Sydney Street was finished during the year. Bowen Street has been widened, and similar work in Museum Street is in progress. The brick walls up to ground-level, and granite facing of basement walls on Museum Street, are practically finished, all the stone required being on the ground. Owing to bad ground met with in the line of the old gully in Sydney Street some of the foundation-work was carried to a depth considerably greater than was anticipated. In the conduit along the closed portion of Sydney Street, sewer-pipes, storm-water pipes, and gas-pipes have been laid, and provision made for connecting up electric power, lighting, and telephone cables, also water-supply, without breaking up the surface of the grounds.

The rearrangement of the grounds is practically completed, and ornamental boundary-walls have been built. Most of the work following on the widening of Molesworth and Charlotte Streets has been completed, only a little kerbing and wood-blocking remaining to be done. A large amount of taking up and replacing of gas, water, and drainage pipes, also foundations of destroyed buildings, was involved by the rearrangement of the grounds. An old iron building standing on Sydney Street, and the Parliamentary destructor, have been removed to new sites.

Complete plans and specifications for the first portion of the proposed new building, with detailed schedules of quantities, have been prepared, and tenders invited for the erection of the building.

## GENERAL.

*Awanni Wireless Station.*—The erection of the station masts, engine-shed, store, and officers' quarters was completed during the year. A satisfactory water-supply was provided from two deep boreholes.

*Departmental Buildings, Auckland.*—The May-Oatway fire-alarm system has been installed, and minor repair works attended to from time to time.

*Artillery Stables, Takapuna.*—A building of steel and timber framing is in course of erection under contract.

*Departmental Buildings, Hamilton.*—The contract for the erection of these was completed, and the offices are now occupied.

*Artillery Stables, Hamilton.*—The site near Frankton Junction has been levelled, and building operations under contract are in progress.

*Huntly Drill-shed.*—A wooden building is being erected under contract.

*Paeroa Defence Buildings.*—Regimental offices and equipment-store were erected by contract.

*Gisborne Departmental Buildings.*—Tenders are being invited for the erection of new buildings in brick.

*Morere Bathhouses.*—Erected and equipped by day labour.

*Artillery Stables, Napier.*—Erection of buildings under contract has commenced.

*New Plymouth Deeds Office.*—A brick building was completed and occupied in March last.

*Stratford Departmental Buildings.*—The erection of a two-story building in wood from plans prepared by Mr. E. M. Blake, F.R.I.B.A., is approaching completion.

*Stock Inspector's Residence, Opunake.*—A wooden building is in course of erection.

*Government Insurance Offices, Wanganui.*—A new brick building was completed and opened in April.

*State Coal Depot, Wanganui.*—Additions are in progress.

*Government House, Wellington.*—New stables and garage have been erected, and an old building adapted for use as a coachman's cottage.

*Departmental Buildings, Wellington.*—The two stacks of old strong-rooms at either end of these buildings have been strengthened by the addition of 9 in. of brickwork around each side, and the fixing of additional fireproof doors. The usual minor repairs have been attended to during the year.

*Postal Bulk Store, Wellington.*—The erection of this building under contract is approaching completion. Tenders for the installation of the cranes and elevators have been received.

*Government Printing Office.*—A contract has been let for an addition in brick, and many minor works have been carried out by the Public Works staff.

*Public Works Store, Pipitea.*—Tenders are being invited for the erection of a new store. A residence for the Storekeeper is practically completed.

*Dominion Museum.*—A temporary building of iron has been erected for the accommodation of Maori exhibits.

*Artillery Barracks, Nelson.*—The erection of the buildings under contract was begun.

*Public Trust Office, Greymouth.*—A brick building was erected by contract.

*Hokitika Departmental Buildings.*—A substantial extension in brick is approaching completion.

*Departmental Buildings, Christchurch.*—This fine building, designed by Mr. J. C. Maddison, F.R.I.B.A., is approaching completion under contract. Contracts have been let for installing fire-alarms, electric light, and electric clocks.

*Mount Cook Hostel.*—The new building of concrete is still in course of erection, and is now well advanced. Most of the work has been done by day labour.

*Artillery Stables, Christchurch.*—The erection of stables and quarters is in hand under contract.

*Awarua Wireless Station.*—The erection of buildings, masts, and anchorages was completed during the year. Two cottages were erected under contract.

#### HOSPITALS.

*Avondale Mental Hospital.*—A contract has been let for the erection of No. 2 auxiliary building, and the contractor has the work in hand. Plans for the proposed No. 3 auxiliary building are ready for the invitation of tenders.

*Tokanui Mental Hospital.*—The erection of the first large block of buildings was completed in February last. A boiler-house and workshop are now being built by day labour, and boilers are being installed. Three more attendants' cottages have been built.

*Rotorua Cottage Hospital.*—The building was completed.

*Rotorua Infectious-diseases Hospital.*—The building was completed during the year.

*Porirua Mental Hospital.*—Additions to auxiliary buildings were completed in February last.

*Waitati Mental Hospital.*—New buildings commenced in February, 1912, were completed by day labour.

*St. Helens Hospital, Dunedin.*—An isolation ward in brick was completed in September.

#### POST-OFFICES.

*Kawakawa.*—A wooden building was erected by day labour, there being but little competition for building contracts in this district.

*Kaikohe.*—A wooden building was erected by day labour.

*Kaitiāia.*—A wooden building is approaching completion, also by day labour.

*Russell.*—Substantial additions were made during the year.

*Mangapai.*—Additions to the office were carried out by day labour.

*Whangaroa.*—Additions were made during the year.

*Rawene.*—Tenders for additions were under consideration at the end of the year.

*Paparoa.*—Additions and alterations are in progress by day labour.

*Auckland Chief Post-office.*—The new brick-and-stone building in Lower Queen Street, which was approaching completion at the end of last year, was finished and occupied by the Postal Department early in the current year. Two passenger-elevators and one goods-lift installed: a pneumatic despatch-tube system fitted; lighting and furnishing completed.

*Auckland Old Post-office.*—The building has been partitioned and rearranged; part of it has been let.

*Ponsonby.*—A two-story brick building with clock-tower was completed under contract.

*Otahuhu.*—Additions in brick and the conversion of some residential rooms into offices were completed during the year.

*Papakura.*—A new wooden building was erected under contract during the year.

*Shortland.*—A building was purchased and adapted for use as a post-office.

*Te Avamutu.*—A brick clock-tower was added to the building erected last year, and gas and drainage services installed.

*Tuakau.*—A contract has been let for the erection of a wooden building, including quarters.

*Ohauupo.*—A contract for the erection of a two-story building in wood was let in June.

*Waihou.*—A wooden building with quarters has been erected under contract.

*Te Puke.*—Additions and alterations were carried out.

*Rotorua.*—Tenders have been invited for the erection of a handsome new office on the present site.

*Tokomaru Bay.*—Additions were carried out by day labour.

*Opotiki.*—The new office was completed under contract and fitted up.

*Taradale.*—One room and a telephone exchange have been added.

*Otane.*—A wooden building was completed under contract.

*Awakino.*—A new building in wood was completed in March last.

*Taumarunui.*—Additional accommodation has been provided.

*Ohura.*—A wooden building has been erected.

*Tokaanu.*—A wooden building is approaching completion.

*Whangamomona.*—A wooden building was completed in February last.

*Taihape.*—Tenders are in for additions and alterations.

*Eketahuna.*—Additions and renovations have been completed.

*Masterton.*—Alterations and improvements have been effected.

*Palmerston North.*—Alterations and renovations have been carried out.

*Petone.*—Additions in brick are approaching completion.

*Pongaroa.*—Additions and alterations were completed early in the year.

*Kaivarawara.*—A new brick building was erected under contract.

*General Post Office, Wellington.*—The new building was occupied and formally opened on the 26th November last. Electrical fittings, power and vacuum cleaning plants, and water-services have since been installed. Alterations to the old Post-office premises, included in the contract for the new building, have been duly carried out.

*Canvastown.*—A small building was erected.

*Murchison.*—A new building was erected under contract.



*Nelson*.—Additions and repairs were carried out.

*Takaka*.—A Postmaster's residence was erected.

*Westport*.—Earthquake-damages to the new building were repaired. The old office was converted for use by other Government Departments.

*Millerton*.—Extensive alterations and additions were carried out.

*Christchurch*.—A petrol-store has been built, fire-alarm and water-service installed.

*Sydenham*.—A two-story building in brick and stone has been completed.

*Temuka*.—A contract has been let for additions to building.

*Fairlie*.—Additions and alterations have been carried out.

*Dunedin*.—Automatic fire-alarms have been installed.

*Ravensbourne*.—A new building in brick was completed in March last.

*Mosgiel*.—A contract has been let for additions in brick.

*Hawea Flat*.—A bathroom, lobby, and other additions were made to the new building.

*Roxburgh*.—The erection of a new office in wood is still in hand under contract.

*Gore*.—This brick building partly destroyed by fire has been restored.

*Balfour*.—A new office of wood has been erected.

#### COURTHOUSES.

*Kaikohe*.—A Courthouse was erected under contract and is now in use.

*Kaitia*.—A building has been erected by day labour, no satisfactory tender having been received.

*Hikurangi*.—Plans for substantial additions have been prepared.

*Magistrates' Court, Auckland*.—The contract for the erection of a two-story brick building with Oamaru stone facings was completed in June last. The old Courthouse will be fitted up for offices, and tenders are being invited for a caretaker's cottage in brick.

*Otorohanga*.—A wooden building was erected under contract.

*Ohakune*.—A new building was completed early in the year.

*Masterton*.—The new building was furnished and the old building repaired.

*Takaka*.—A new building in wood was completed.

*Greymouth*.—A brick building was completed under contract in December last.

*Methven*.—A new building of wood has been erected.

*Amberley*.—The existing building has been removed and re-erected on another site.

*Oamaru*.—Extensive repairs were completed in December.

*Dunedin*.—Automatic fire-alarms have been installed.

#### POLICE-STATIONS.

*Maungaturoto*.—A station, with stable and outbuildings, was erected by day labour.

*Waipu*.—The contract let last year for the erection of a station was duly completed.

*Onehunga*.—A new brick lock-up has been erected and repairs carried out.

*Howick*.—Old cells were converted into a stable and new lock-up provided.

*Papakura*.—A contract was let for the erection of a station residence, and removal and re-erection of existing lock-up and outbuildings.

*Pukekohe*.—A new lock-up was built and repairs carried out.

*Huntly*.—A contract was let for the erection of residence, office, stable, and lock-up.

*Otorohanga*.—A new station was erected under contract and stable removed.

*Waihi*.—Extensive additions were completed in February last.

*Gisborne*.—A new building in brick was completed under contract and fitted up. The old buildings were repaired and altered.

*Tokaanu*.—Tenders are being invited for a building in wood.

*Taumarunui*.—A new station was completed in August of last year.

*Hastings*.—A sergeant's residence was erected under contract.

*Porangahau*.—A new station has been erected under contract.

*Masterton*.—A contract was let in April last for the erection of a station and residence.

*Kilbirnie*.—A building has been purchased and adapted for use as a police-station.

*Wakefield*.—A new station and lock-up were completed.

*Murchison*.—A building of wood was erected under contract.

*Cobden*.—A new station and lock-up have been completed.

*Islington*.—A constable's residence has been erected.

*Ashburton*.—Offices and quarters, also sergeant's residence, have been erected.

*Tapanui*.—A new station in wood is being erected.

*Mataura*.—A new station is being erected under contract.

#### PRISONS.

*Mount Eden Prison*.—The erection of the south wing by prison labour was completed, and some old buildings on the site removed. A new stone boundary-wall is now in hand.

*Invercargill Prison*.—The extension of warders' and hospital quarters was completed during the year.

The foregoing report mentions only new works of some importance, and alterations and additions of a more or less extensive character. A large number of minor works, consisting of new buildings, additions, and alterations, have also been carried out, principally under petty contracts, and the ordinary maintenance, repair, and repainting of buildings owned by the Government throughout the Dominion have been attended to as usual.

I have, &c.,

JOHN CAMPBELL, F.R.I.B.A.,

Government Architect.

The Hon. the Minister of Public Works.

## APPENDIX G.

ANNUAL REPORT ON ELECTRICAL WORK AND POWER SUPPLY UNDERTAKINGS BY  
THE ELECTRICAL ENGINEER.

The ELECTRICAL ENGINEER to the Hon. MINISTER OF PUBLIC WORKS.

SIR,— Public Works Department, Wellington, 15th September, 1913.

I have the honour to submit the following report on the various works entrusted to me during the past year:—

## LAKE COLERIDGE POWER WORKS.

The works are designed to utilize the head of water or energy due to the difference in level between the surface of Lake Coleridge—viz., 1,667 ft.—and the Rakaia River—viz., 1,173 ft.—a difference of 494 ft.

The works now under construction provide for headworks and buildings for supplying 10,000 h.p., whilst the plant now on order consists of three turbine generator sets, each of 2,000 h.p. capacity, making a total of 6,000 h.p., of which two units giving 4,000 h.p. will be available for supply purposes, leaving the third unit as spare. Transforming plant is being provided in duplicate for transforming up from 6,600 volts to 66,000 volts pressure, suitable for transmission throughout the Canterbury Province. The transmission-lines between Coleridge and Christchurch will also be in duplicate, and erected for the most part along separate routes, thus providing for the greatest possible immunity from interruptions due to atmospheric influences. A substation building is being erected in Addington, which will contain the transforming plant, which is also in duplicate. This plant is designed for transforming the pressure from 66,000 volts, at which the current will be transmitted from Coleridge, to 11,000 volts, suitable for distribution to Christchurch and for a radius of twenty miles from Addington. It is proposed further to provide a stand-by plant in this substation, consisting of oil-engines driving three-phase generators, which will enable the supply to be partly maintained in the event of failure of the transmission-line or generating plant.

A list of contracts entered into for plant and works is shown in Table No. 1 annexed hereto—a total of forty-two contracts, amounting to £167,686.

In addition to the above contracts the Department is carrying out by direct labour or co-operative contracts the following works:—

- Inlet works for establishing communication between the tunnel and the lake.
- Outlet works for connecting the tunnel to the pipe lines.
- Foundation to pipe lines.
- Excavating for power-house foundations.
- Excavations for tail-race.
- Maintenance of roads between Coalgate and headworks.
- Transportation and erection of plant.

Reviewing the works as they now stand—first, as regards the tunnel, a shaft was driven from the surface approximately midway between the two ends, and the work of excavating the tunnel was carried out from the two outer faces inwards, and from the two inner faces outwards. The tunnel was driven through between the centre shaft and the outlet end on the 24th July, and the work of lining this portion is being proceeded with. The work of excavating the other portion of the tunnel between the centre shaft and the lake has been slower, as part of the excavation is in rock and 15 chains of tunnel remains to be excavated, which should be completed in ten weeks' time. It is estimated that the whole of the tunnel will be completed by the end of March.

The pipe-line contract is in a very unsatisfactory state, and the contractors will require to double their rate of progress in order to complete in time to enable the Department to fulfil its obligations. Strenuous efforts are being made to expedite this portion of the work.

The power-house buildings are also very much behind, and considerable improvement must be made with this work also. The substation buildings are approaching completion.

With regard to the plant, two of the turbines and the whole of the transformers have already arrived in the Dominion; the remaining turbine and generators, together with switch gear, will be shipped very shortly, and it is anticipated that the whole of the plant will be delivered by the end of December, when the work of erection will be vigorously proceeded with.

With regard to the transmission-line, the conductors, the insulators, and other accessories have arrived, also 1,000 out of 1,750 poles—sufficient, in fact, to complete one transmission-line—and a contract has been placed for carting and erecting the poles and insulators.

The underground cables for connecting the substation in Addington to the municipal electricity works of Christchurch have come to hand, and arrangements are being made for laying the same.

A quantity of material for serving the districts surrounding Christchurch has arrived, and will be erected when more definite arrangements for the supply of power to these districts have been made.

The maintenance of the roads between Coalgate and Coleridge is costing a good deal more than anticipated: some £4,500 has already been spent, and £1,500 more will be required. The

excess is mainly due to the presence of a belt of trees along part of the route which keeps the road from drying; the road was in a bad state for this reason when we took it over, and we have not been able to restore it to the extent of enabling traffic to be maintained in wet weather as well as in dry weather.

The problem of transportation is a serious one, as we require to transport 95 tons of coal and cement per week—practically ten traction-engine loads—without interruption; in addition to this we require to transport the machinery, and the road has to be kept open for the power-house contractor, the pipe-line contractor, and the transmission-line.

The Department is under contract to supply Christchurch by the 1st May, 1914, and as far as I can see there is reasonable prospect of acting up to our obligation. The critical elements at present are the pipe-line contract, delivery of machinery in good time, and the transportation of material from Coalgate to Coleridge.

With regard to the cost of construction, a statement of the payments made to the end of July, the liabilities and estimate for completion against the several sections of the work, is shown in Table II herewith. The total expended is £82,897; the total liability is £121,236; estimate to complete, £48,484; total, £252,617.

The original estimate for the completion of the works corresponding to the stage now under construction was £251,214, showing an excess of £1,403. The estimate to complete, however, includes contingency items which may or may not eventuate. At any rate, the works will be completed substantially in accordance with the original estimate.

A contract has been entered into with the Christchurch City Council in the following terms:—

1. Supply shall be given in the form of three-phase current having a periodicity of 50 cycles per second at a pressure on 11,000 volts.

2. Power shall be delivered to the City Council at three points, viz.:—

(1.) The present generating-station at the destructor at Christchurch.

(2.) A building situate in the Council's yard at the corner of Montreal Street and Moorhouse Avenue, or such other point as may be agreed upon.

(3.) A building situate within the city area at a point to be determined.

The Council shall pay the Department for the supply at the rate of £8 13s. 4d. per annum per kilowatt for 300 kilowatts, and £5 per kilowatt per annum for every kilowatt demanded by the Council in excess of 300.

4. The maximum demand shall be deemed to be the maximum output required at any one time during the year, averaged over half an hour, from the Department's substation to the Corporation's substations, as measured at the Department's substation by a meter to be provided by the Government.

5. The loss in the mains at maximum load between the Department's substation and the Corporation's substation shall not exceed  $2\frac{1}{2}$  per cent. Should the loss exceed  $2\frac{1}{2}$  per cent. a proportionate reduction in charge shall be made by the Department.

6. Payments shall be made quarterly, and shall be one-fourth the amount of yearly payment based upon the maximum observed during the last four quarters, including that for which payment is being made.

7. During the first year of operation and until the maximum for the year is ascertained payments are to be made quarterly on the basis of the maximum observed in the interval between the date upon which supply commences and the date upon which payment becomes due; any difference between the sums paid and the total amount due to the Department on the basis of the yearly maximum shall be adjusted at the end of the first year.

8. The Council agrees to take a minimum supply of 500 kilowatts.

9. The Department will guarantee to supply 4,500 kilowatts if and when required by the Council after twelve months' notice.

10. The Department agrees to commence to supply and the Council agrees to take a supply of not less than 500 kilowatts not later than the 1st May, 1914.

11. The scale of prices agreed upon is to remain in force for five years from the date of commencing the supply. At the end of the said five years the contract shall be renewed for a further term, and at such prices and for such period as may be agreed upon.

12. The Council agrees not to charge power-consumers more than £10 per annum per kilowatt of maximum demand provided that the maximum demand is not less than 30 kilowatts, and £12 per annum per kilowatt if the demand is less than 30 kilowatts.

13. The Department undertakes not to supply any consumer within the city boundaries other than the City Council, the Tramway Board, Drainage Board, other local bodies, and the Railway and Government Departments: Provided that any consumer other than the City Council supplied under this clause shall be prohibited from retailing energy.

The substance of the agreement is that the Council have agreed to take a supply from the Department and to pay £8 13s. 4d. per kilowatt per annum of maximum demand for the first 300 kilowatts of power, and £5 per kilowatt per annum for every kilowatt in excess of this.

Before entering into the agreement the Council engaged Mr. Frederick Black, M.I.E.E., consulting engineer, of Wellington, to report on the comparative cost of taking a supply from the Department and of generating electricity by gas, steam, or oil engines, and to estimate the cost of the necessary transforming plant and of reticulating the city. Mr. Black's investigation was exhaustive, his conclusions final, and his recommendations unequivocal for the conditions of load obtaining in Christchurch.

Mr. Black made a comparison at two stages in the growth of the business—viz., 2,090 kw. and 3,250 kw., corresponding to 2,801 h.p. and 4,360 h.p. respectively, anticipated in 1916 and 1919—that is, two years and five years after the supply is first commenced. The comparison is as follows:—

	Year of Operation.	
	1916.	1919.
Maximum power required (kilowatts) .. .. .	2,090	3,250
(horse-power) .. .. .	2,801	4,360
Total annual cost—	£	£
Lake Coleridge .. .. .	12,585	19,190
Gas plant .. .. .	18,170	23,100
Steam plant .. .. .	20,383	26,700
Oil plant .. .. .	29,414	38,015
Cost per kw. per annum—		
Lake Coleridge .. .. .	6.02	5.91
Gas plant .. .. .	8.70	7.11
Steam plant .. .. .	9.75	8.22
Oil plant .. .. .	14.05	11.70
Cost per h.p. per annum—		
Lake Coleridge] .. .. .	4.47	4.40
Gas plant] .. .. .	6.48	5.30
Steam plant] .. .. .	7.27	6.12
Oil plant] .. .. .	10.48	8.72

Mr. Black concludes by stating, "It is plain from this investigation that the Government's terms for a bulk supply are so low that the Council could not possibly generate the same amount of energy under the same conditions of demand, in any type of fuel-using station, at a cost that would make the choice of source a matter of any hesitation."

The qualification made by Mr. Black as to conditions of demand should be borne in mind, as it suggests that under other conditions the relative positions may be altered.

It should also be noted that the Department's terms were only accepted after exhaustive inquiry and proof that there was a substantial advantage in accepting them. Mr. Black, in his report, raised the question of a stand-by plant, and insisted in its necessity in the case of long transmission-lines, though in the case of the Waipori plant most of the interruptions experienced have been due to failure of the wooden fluming at the headworks.

Every precaution has been taken by the Department against failure in the works now under construction. The pipe-line is in duplicate; there is ample margin of spare plant; the transmission-line is in duplicate, carried on separate poles, and erected for the most part along separate routes; the plant in the main substation, and also the cables between the substation and the Council's works, are in duplicate; and the water storage is sufficient to maintain a supply of 10,000 h.p. continuously for 200 days without any inflow whatsoever.

It has generally been recognized that a local stand-by plant is desirable in case of long transmission-lines: the difficulty has hitherto been that no previously existing form of fuel plant could be considered satisfactory for this purpose. A steam plant to be of any use as stand-by must be kept under steam, involving attendance, fuel-consumption, and as much repairs and depreciation as if in full operation, and the same applies, though to a less extent, to a gas-engine plant. We have now, however, the benefit of a new invention—viz., the oil-engine—which is admirably adapted as a stand-by plant: it consumes no fuel when not at work, and it can be started up in a few minutes. It is true that the cost of oil renders the comparison with steam or gas unfavourable for long continuous service, but this disability does not apply when the plant is used for stand-by purposes.

The principle of employing oil-engines as auxiliaries in conjunction with water-power plant as a cheap method of supplying intermittent demands in excess of the capacity of the water-power plant has been adopted by the Department; the plant so provided can be utilized for stand-by purposes.

Negotiations are now proceeding with the Christchurch Tramway Board on the same basis of price as the City Council, but the conditions are very different, because the Board is equipped with an up-to-date steam plant, capable of supplying their whole requirements for a long time to come, consequently the margin or balance of advantage in favour of the bulk supply from Lake Coleridge is less, because interest and sinking fund have to be paid on the existing investment in plant and buildings; nevertheless it is hoped that mutually satisfactory arrangements may be arrived at.

There is an insistent demand for power from local authorities and power-users outside the limits of Christchurch, which we hope to satisfy in the course of the first year of operation, after which the duty of supplying power to other districts in the Canterbury Province will be entered into.

A supply to the Government workshops at Addington is also under consideration, when it is hoped that it will be used not only for running the workshop tools but also for steel-making or steel-refining.

It has been evident during the progress of the works now in course of construction that successful results could only be obtained by placing the works in sole charge of an engineer who would devote his whole time to organizing the work with a view to economy and rapid completion of the same. Mr. Lawrence Birks, B.Sc., A.M.I.C.E., M.I.E.E., has now been appointed to this position. He will also carry out the duties pertaining to the local management of the undertaking as a business concern.

#### ELECTRIC LIGHT AND POWER LICENSES.

Licenses under the Public Works Act have been issued to the following local authorities and companies: Opotiki Borough Council, Hastings Borough Council, Napier Borough Council (amending regulations), Wellington Steam Ferry Company, Wairoa Borough Council, Mauturu Borough Council (extensions), Acetone Illuminating and Welding Company, Thames Borough Council, Ngaruawahia Town Board, Hastings Borough Council (amending regulations), Silver

Stream Mines Company (Limited), Christchurch Tramway Board, Invercargill Borough Council, Te Kuiti Borough Council, and Eketahuna Borough Council.

The following are under consideration: Christchurch City Council, New Plymouth Borough Council (extension), Dunedin City Council; Charles Blake, of Waikare; Cashmere Hills-Christchurch Tramway Board; Devonport Borough Council; Todd Brothers, of Heriot; Mr. Nicol, of Waimate.

Water-power licenses have been issued to the following: Mangaweka Town Board; Robert Ellis, of Brightwater, for supply to Richmond and Brightwater; and the Dominion Portland Cement Company.

In connection with the issue of licenses the Department supervises the work during construction and inspects after completion. The Department is also the authority to whom disputes are referred as regards the accuracy of wattmeters, voltmeters, and ammeters, or any other matters in dispute between the supply authority and the consumer. For this purpose it is necessary to maintain standard instruments for testing purposes, and a set of standards has been procured which constitute the standards of electrical measurement for the Dominion.

I have, &c.,

E. PARRY,

The Hon. the Minister of Public Works.

Electrical Engineer.

LAKE COLERIDGE ELECTRIC POWER PLANT.—CONTRACTS PLACED.

12th September, 1913.

Table I.

Section.	Work.	Particulars.	Contract Sum.		
			£	s.	d.
1	Tunnel .. .. .	Length, 110 chains, area, 50 sq. ft. ..	53,172	0	0
3	Pipe-lines .. .. .	Two pipe-lines, 54 in. diameter, each 36 chains long	17,623	13	6
3A	Valves and expansion-joints ..	Two 42 in., six 15 in., and two 6 in. valves; four 52 in. expansion-joints	837	0	0
4	Water-wheels and accessories ..	Three turbines, 2,150 b.h.p., 500 r.p.m.; one Pelton wheel, 2,150 b.h.p., 500 r.p.m.	4,195	0	0
5	Generators, &c. .. .. .	Three generators, 1,500 kw., 6,600 volts, 500 r.p.m.; one 150 kw. exciter; one 150 kw. motor generator	5,561	0	0
6	Switchboard, switches, &c. ..	For three generators and two transformer groups, each 4,500 kw.	4,746	0	0
7	Transformers .. .. .	Six step-up transformers, 6,600 to 66,000 volts; six step-down transformers, 66,000 to 6,600 volts <sup>a</sup>	9,673	0	0
8	Lightning-arresters .. .. .	Electrolytic type: six 66,000 volts, two 6,600 volts, six 11,000 volts	2,588	0	0
9	Transmission-line insulators ..	6,000 insulators, 6,000 insulator-pins ..	3,795	0	0
10C	Ironbark piles .. .. .	1,200 at £3 10s., 550 at £3 10s. each ..	6,125	0	0
10D	Wooden poles for distribution ..	500 mixed hardwoods, £2 2s. each ..	1,050	0	0
11	Bare conductors .. .. .	130 miles 7/14, 60 miles 7/12, 420 miles 7/0-135 aluminium wire	13,100	15	9
12	Insulated cables .. .. .	14,080 yards .050 three-core cable, at £459 per mile	3,765	1	0
13	Insulators for distribution system	8,000 pin insulators at 1s. 3½d.; 8,000 galvanized iron pins at 4-802d.	668	0	6
14	Distributing line-switches ..	200 kw., 10 amps., five switches ..	82	0	0
15	Testing transformers .. .. .	One transformer, three l.t. terminals; one transformer, two l.t. terminals; two voltmeters	525	0	0
16	Meters .. .. .	.. .. .	291	15	6
17	Power-house building .. .. .	Length, 184 ft.; breadth, 73 ft.; height, 40 ft. (to basement)	15,635	2	6
18	Substation building .. .. .	Length, 83 ft.; breadth, 50 ft.; height, 32 ft. 6 in.	3,098	4	9
19	Travelling crane .. .. .	For power-house; lift, 20 tons, span, 32 ft. 6 in.	646	0	0
20	Staff cottages .. .. .	Two cottages, design No. 17; two, design No. 8; two, design No. 11; one, design No. 13; one, design No. 5	2,846	19	1
20A	Wiring cottages .. .. .	.. .. .	139	0	0
21	Batteries and accessories ..	Fifty-six cells Tudor J8 1-15 h.p. motor booster; fifty-six cells Tudor J5; 1-7½ h.p. motor generator	839	12	0
22	Bitumen .. .. .	150 tons .. .. .	1,087	0	0
23	Motor vehicles .. .. .	Two lorries, £1,106 4s. 6d.; two cars, £962	2,068	4	6

LAKE COLERIDGE ELECTRIC POWER PLANT.—CONTRACTS PLACED—*continued.*Table I.—*continued.*

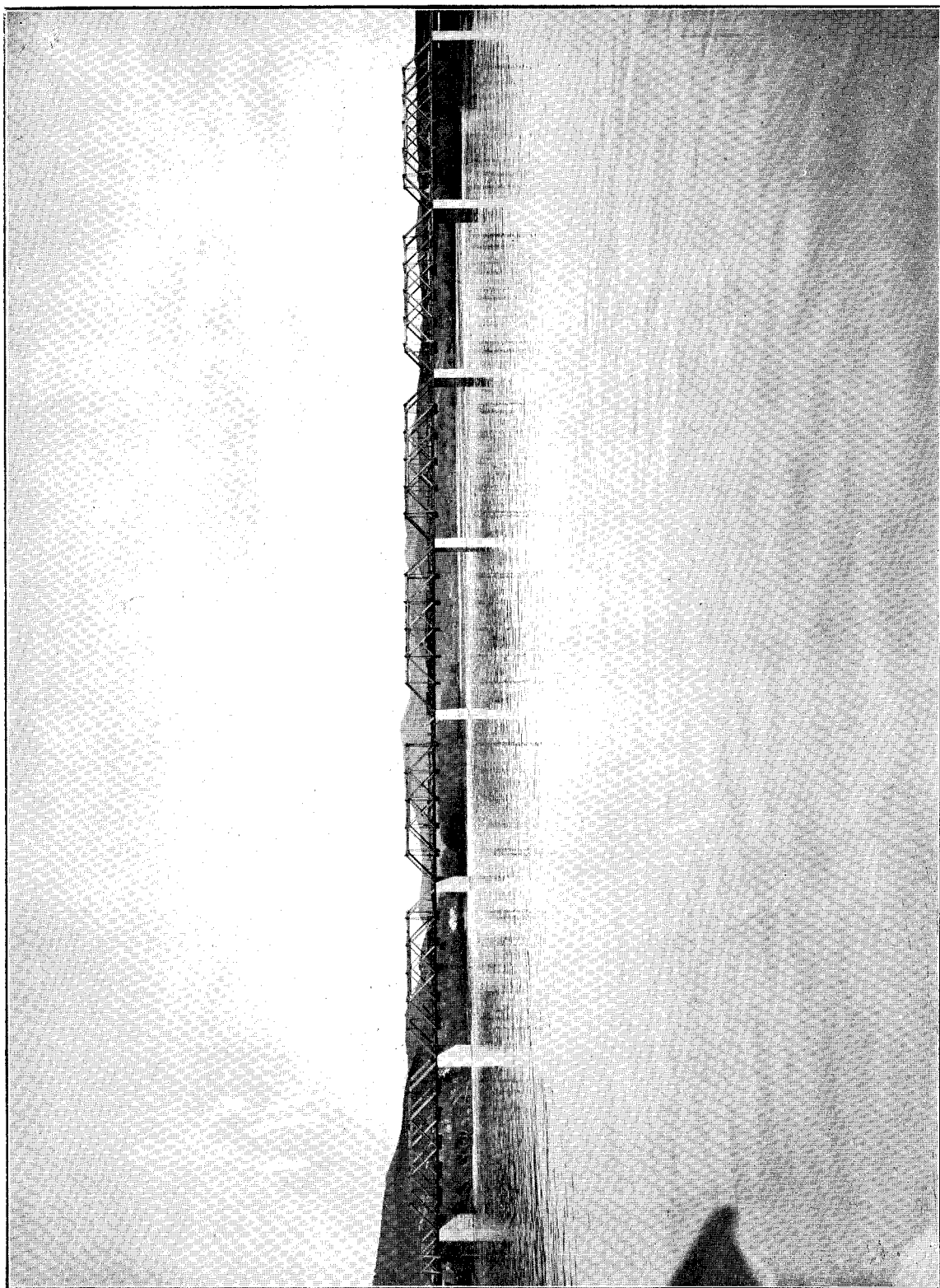
Section.	Works.	Particulars.	Contract Sum.	
			£	s. d
24	Tunnel and penstock gates .. ..	Four sluice-valves, 60 in. by 40 in., £147 each; four sluice-valves, 72 in. by 48 in., £187 each	1,336	0 0
25	Telephone insulators .. ..	3,000, £106 5s.; 1,200, £93 .. ..	199	5 0
26	Workshop tools .. ..	(J. J. Niven) drill, £161; grinder, £32; shear-legs, £20; pipe tools, £20: (Chambers and Son) drill, £18; lathe, £61: (Richardson and McCabe) grindstone, £18; saw, £15	337	14 0
27	Power-house wiring .. ..	Number of lights (each), forty-eight, 100 watts; sixty, 50 watts; sixty, 25 watts	312	13 2
28	Cable-ducts .. ..	Eight miles ducts, eight miles cover-slabs	1,056	0 0
29	Roof-insulators .. ..	Twenty-six roof-bushings, £448; forty busbar supports, £127 5s.; 100 floor-bushings, £18 11s. Turnbull and Jones, cables, 6,600 volt leads and 11,000 volt leads	724	16 0
30	Cross-arms .. ..	.. ..	512	0 0
31	Telephone-wire .. ..	50 tons, 400 lb. per mile galvanized iron..	611	5 0
32	Cable-clamps .. ..	6,000 insulator-clamps .. ..	884	0 0
33	Substation crane .. ..	Span, 26 ft. 4 in., lift, 10 tons .. ..	166	0 0
34	Pole-erection .. ..	Erecting poles, cross-arms, and insulators	4,688	10 10
35	"U" bolts .. ..	1,700 bolts with washers and nuts .. ..	346	0 0
36	Top cross-arms .. ..	1,700 1 ft. 6 in. by 5 in. by 4 in. .. ..	91	8 4
38	Arcing-plates and pole-steps .. ..	5,000 gal. arcing-plates, £333 6s. 8d.; 9,600 gal. pole-steps, £180	513	6 8
39	Substation wiring .. ..	.. ..	176	11 6
42	Reactances .. ..	Three sets porcelain clad reactance coils..	930	0 0
43	Dressed poles .. ..	200 blackbutt poles for distribution .. ..	642	10 0
			£167,686	9 7

## LAKE COLERIDGE WORKS.—STATEMENT OF EXPENDITURE TO DATE, LIABILITY, AND ESTIMATE TO COMPLETE.

12th September, 1913.

Table II.

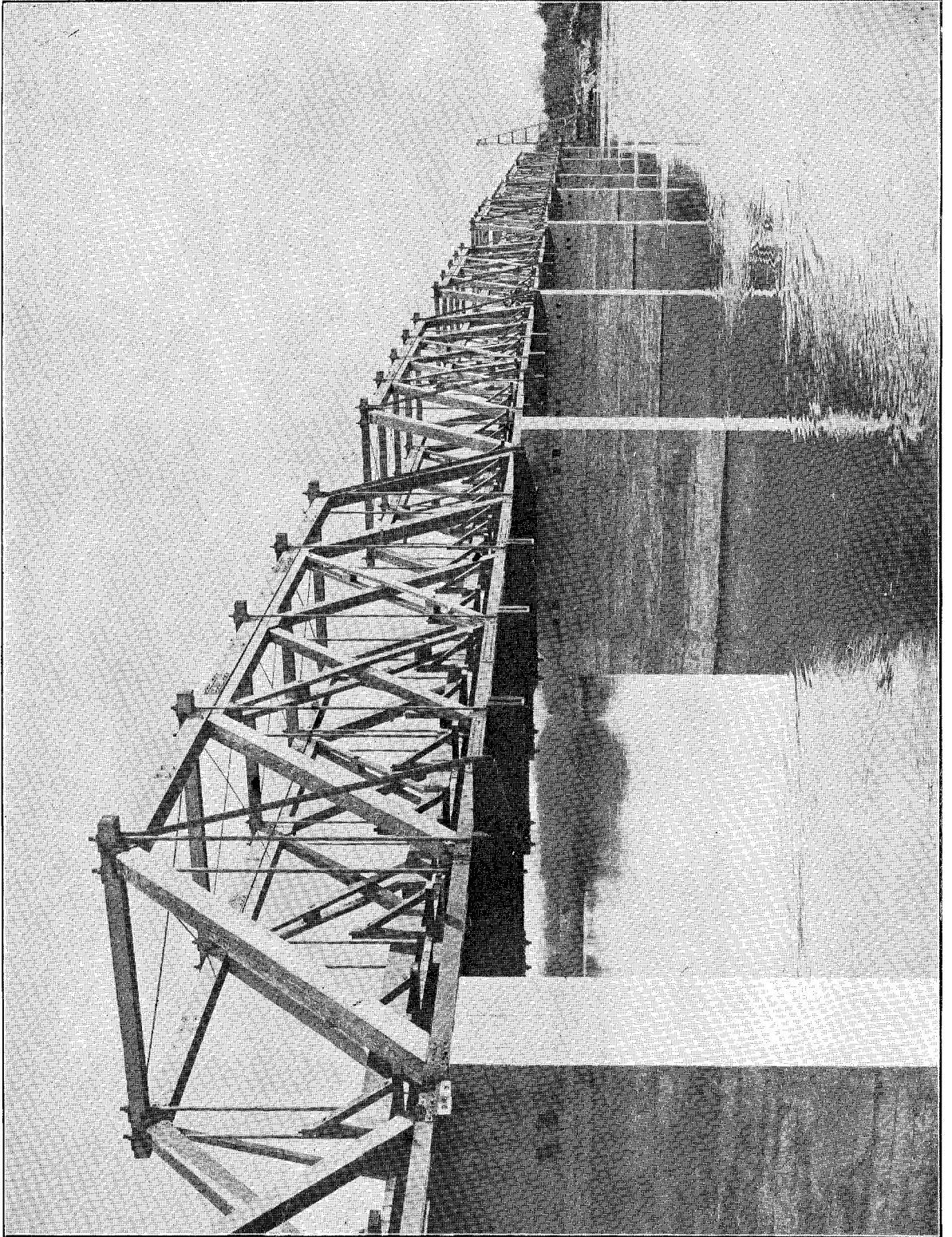
No.	Item.	Expenditure	Liability.	Estimate to	Total.
		to Date.		complete.	
		£	£	£	£
1	Land-purchase and compensation .. ..	1,185	400	4,562	6,147
2	Road construction and maintenance .. ..	9,641	..	3,600	13,241
3	Works at lake outlet .. ..	12	..	40	52
4	Staff village .. ..	4,010	139	150	4,299
5	Telephone-lines .. ..	1,025	..	..	1,025
6	Tunnel with inlet and outlet works .. ..	25,695	33,949	4,022	63,666
7	Pipe-line and valves .. ..	3,738	17,892	..	21,630
8	Power-station and buildings .. ..	3,770	12,795	1,343	17,908
9	Power plant .. ..	5,058	20,097	350	25,505
10	Transmission .. ..	6,559	24,295	14,062	44,916
11	Substation building .. ..	954	2,144	700	3,798
12	Substation plant .. ..	7,972	4,920	2,256	15,148
13	Primary distribution and services .. ..	5,796	4,605	14,599	25,000
14	Engineering .. ..	7,482	..	2,800	10,282
		82,897	121,236	48,484	252,617



HEXTLY-AWAROA ROAD-AND-RAILWAY BRIDGE OVER WAIKATO RIVER.

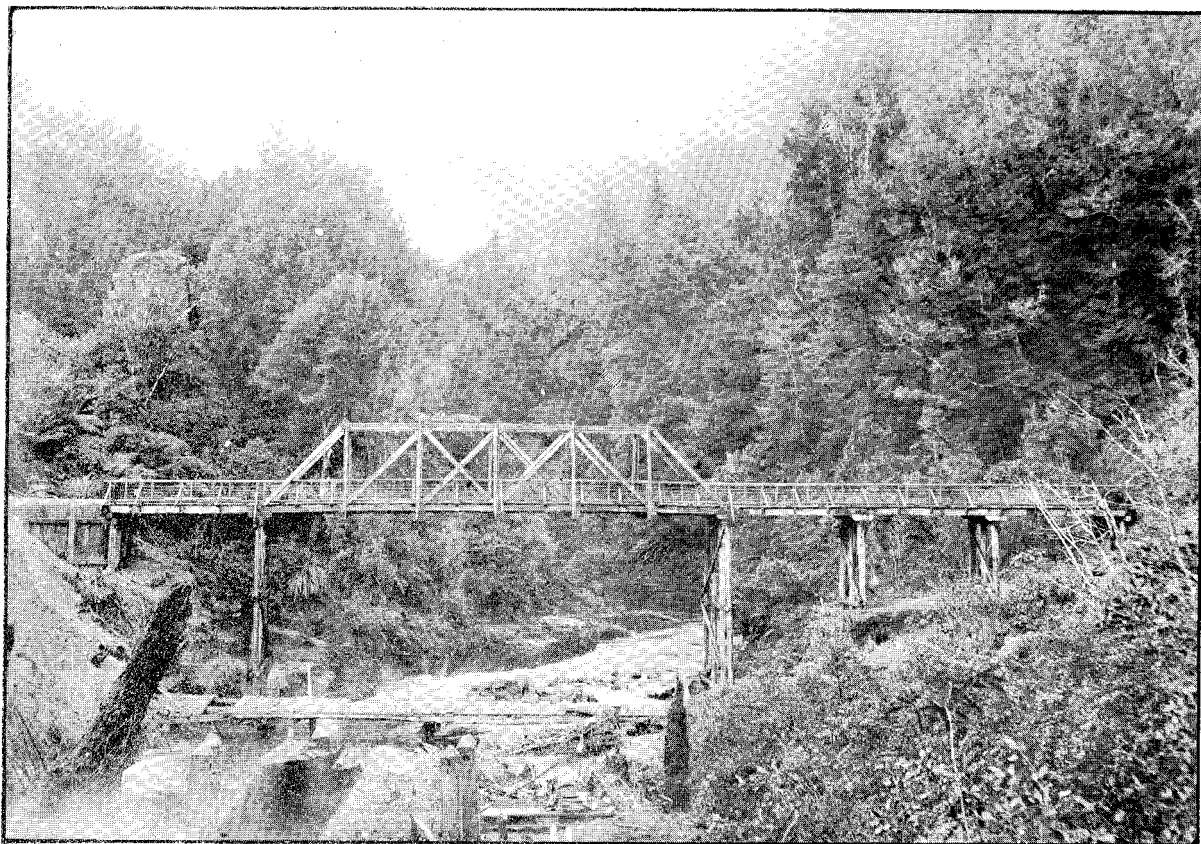
Total length, 904 ft. Width between wheel-guards, 12 ft. Eight spans of 103 ft., two spans of 40 ft. Reinforced-concrete piers and abutments. Superstructure of steel and Australian hardwood.

D.—1.

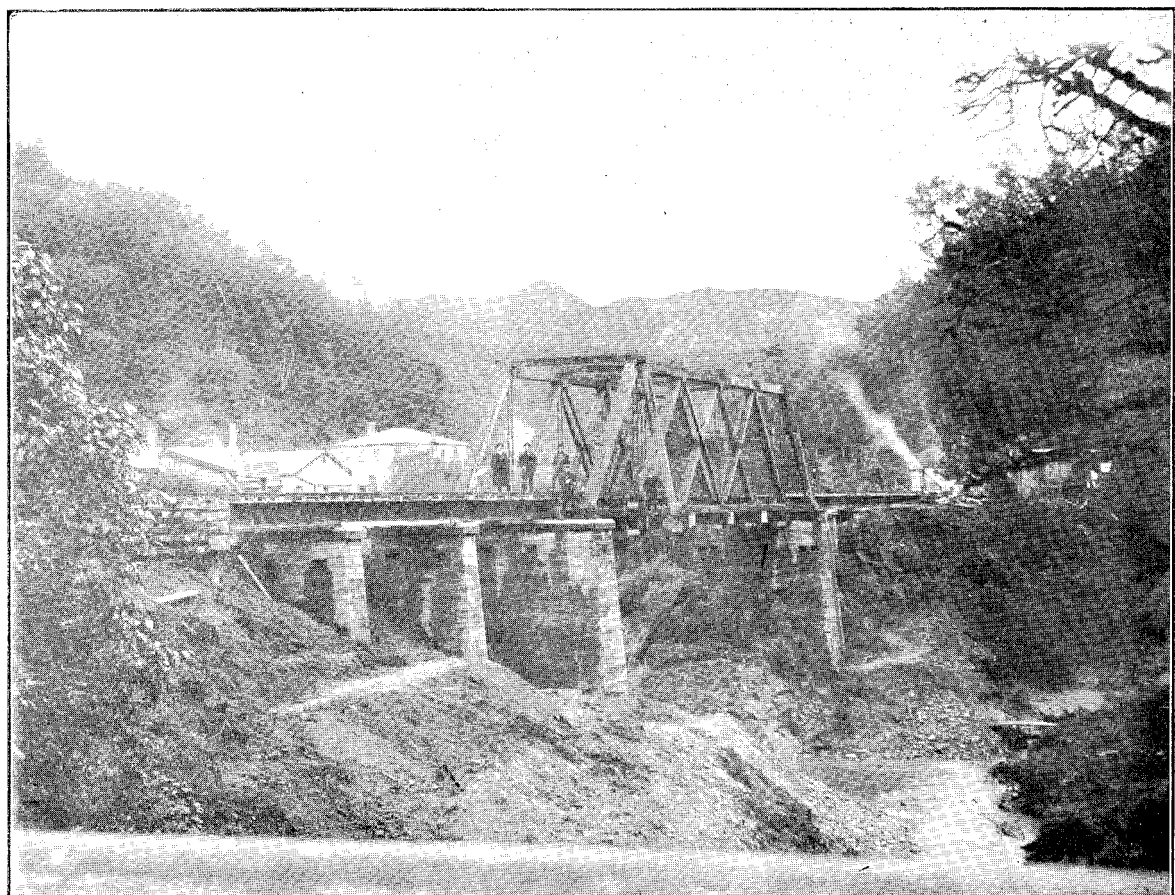


HUNTLY-AWAROA ROAD-AND-RAILWAY BRIDGE OVER WAIKATO RIVER.

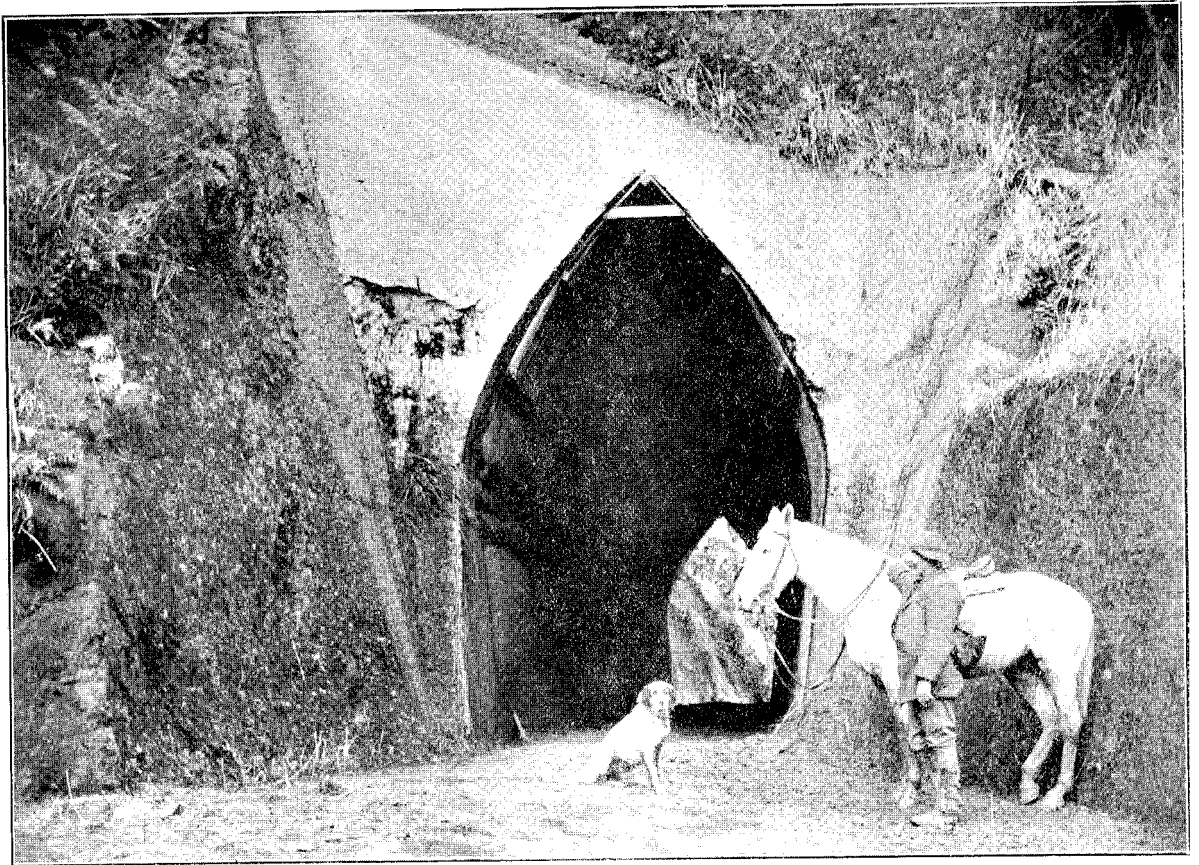




OHURA ROAD, TARANAKI.—BRIDGE IN TANGARAKAU GORGE.



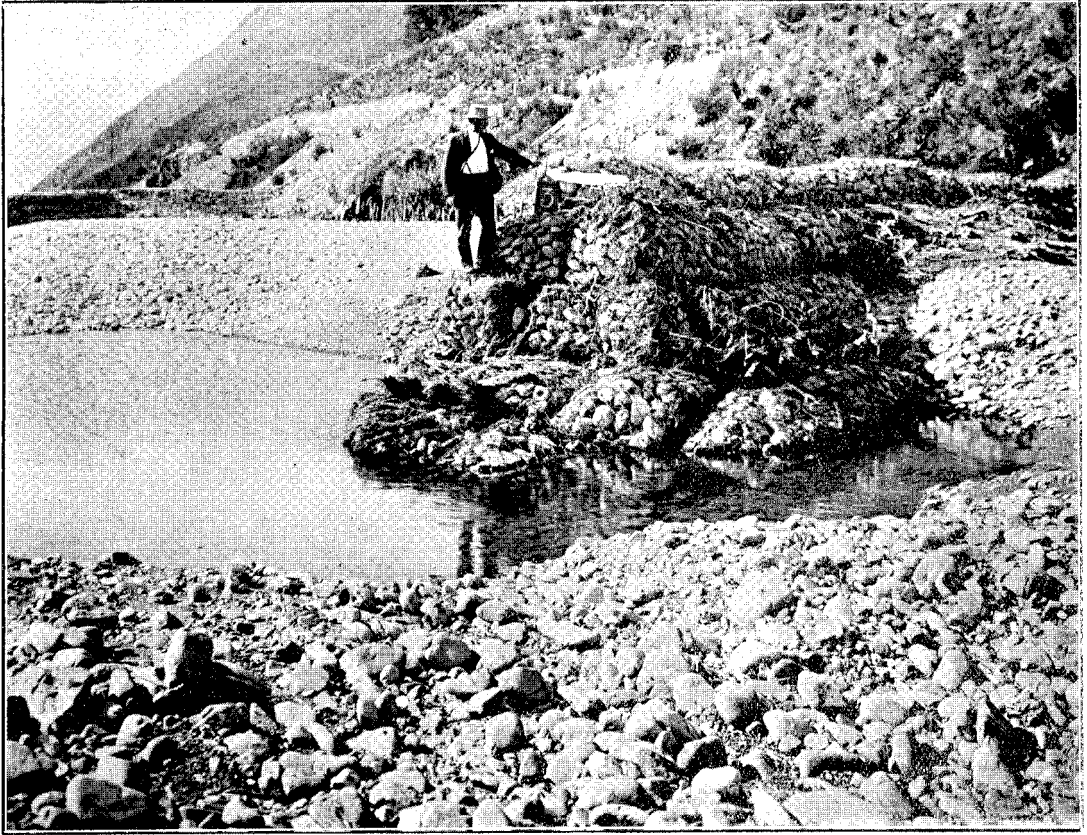
STRATFORD TO MAIN TRUNK RAILWAY.—BRIDGE OVER WHANGAMOMONA RIVER IN WHANGAMOMONA TOWNSHIP.



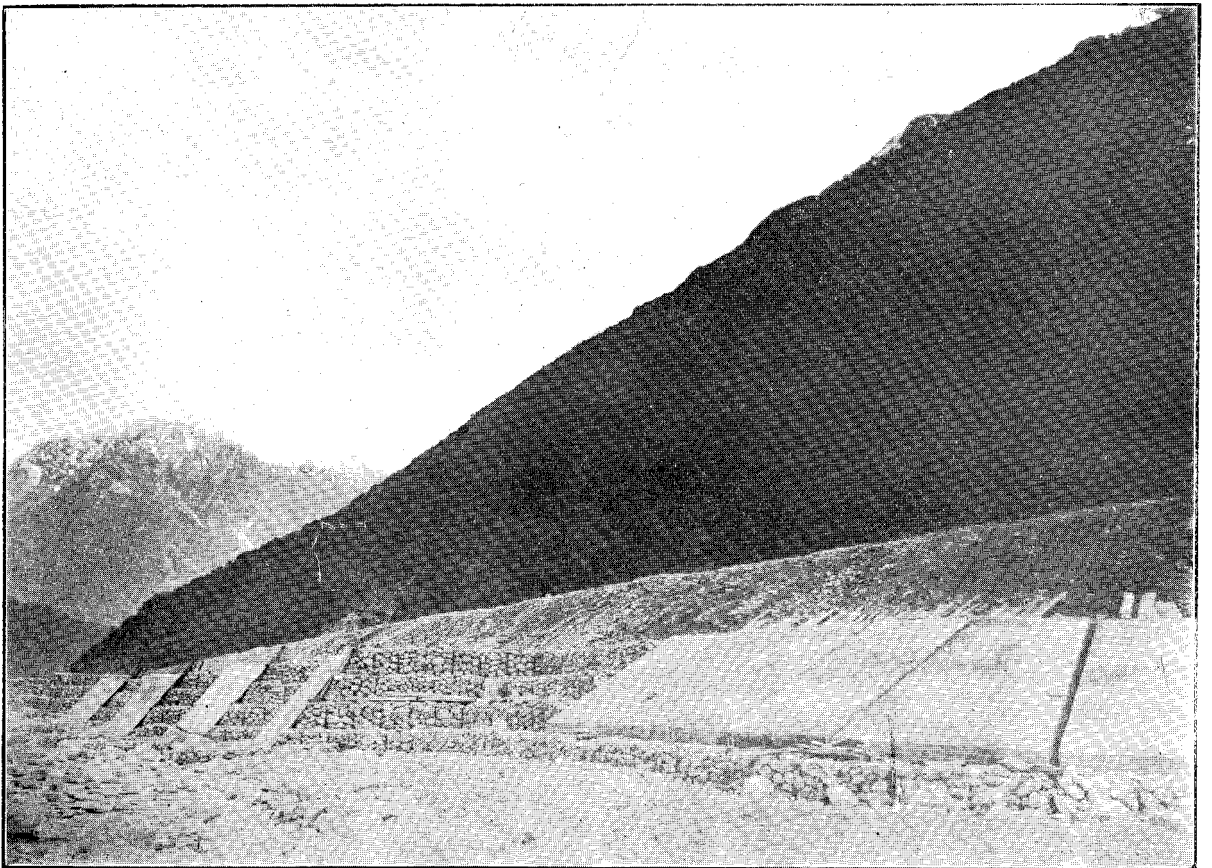
WHANGAMOMONA VALLEY ROAD, TARANAKI.—TUNNEL AT ARNOLD.



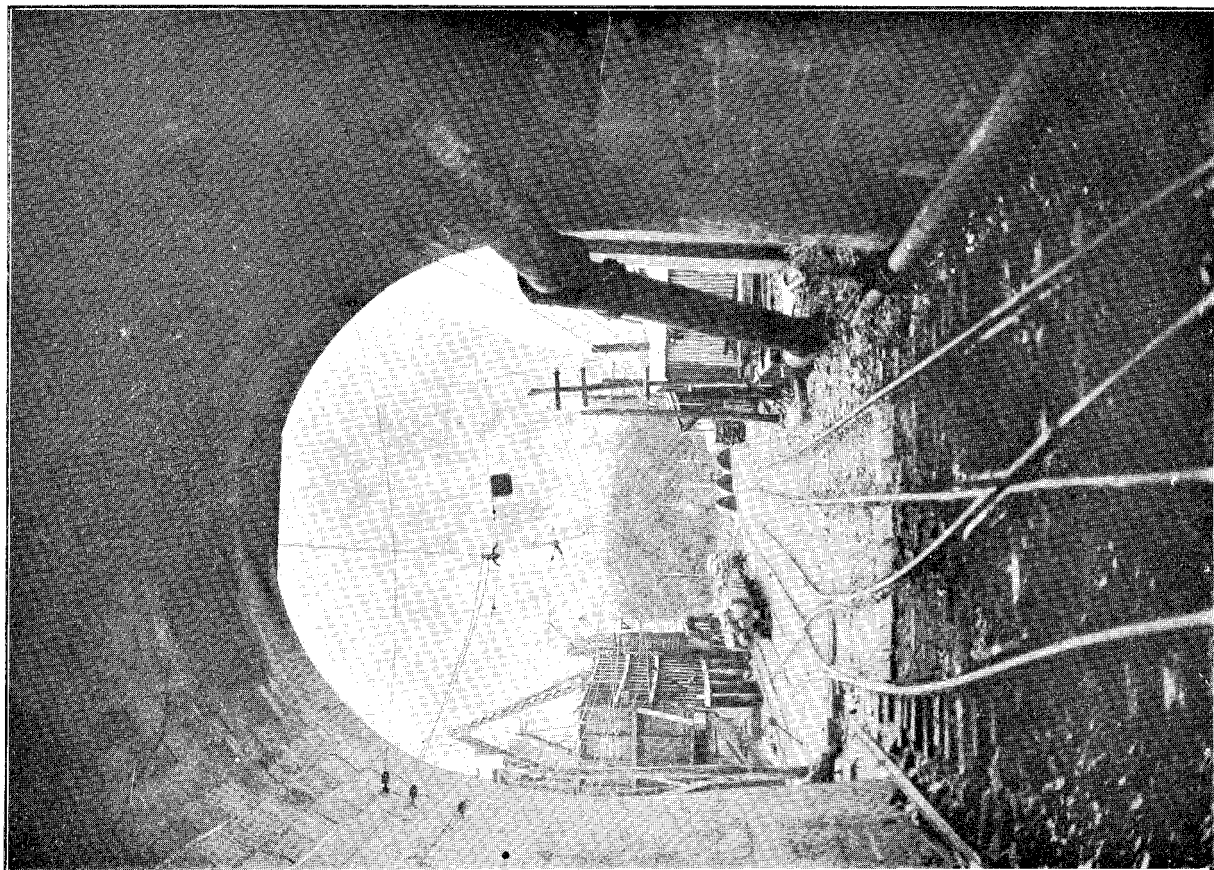
MIDLAND RAILWAY.—PROTECTIVE GROUYNE, WAIMAKARIRI RIVER.



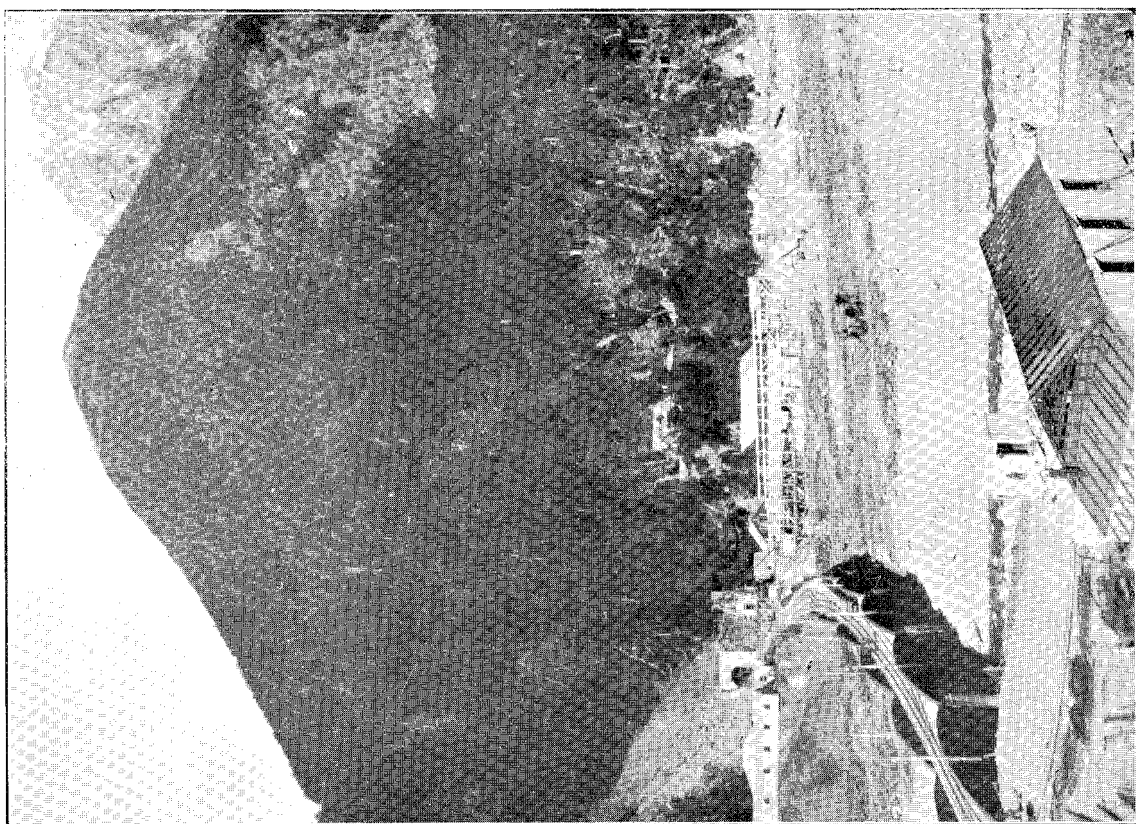
MIDLAND RAILWAY.—PROTECTIVE GROYNES, WAIMAKARIRI RIVER.



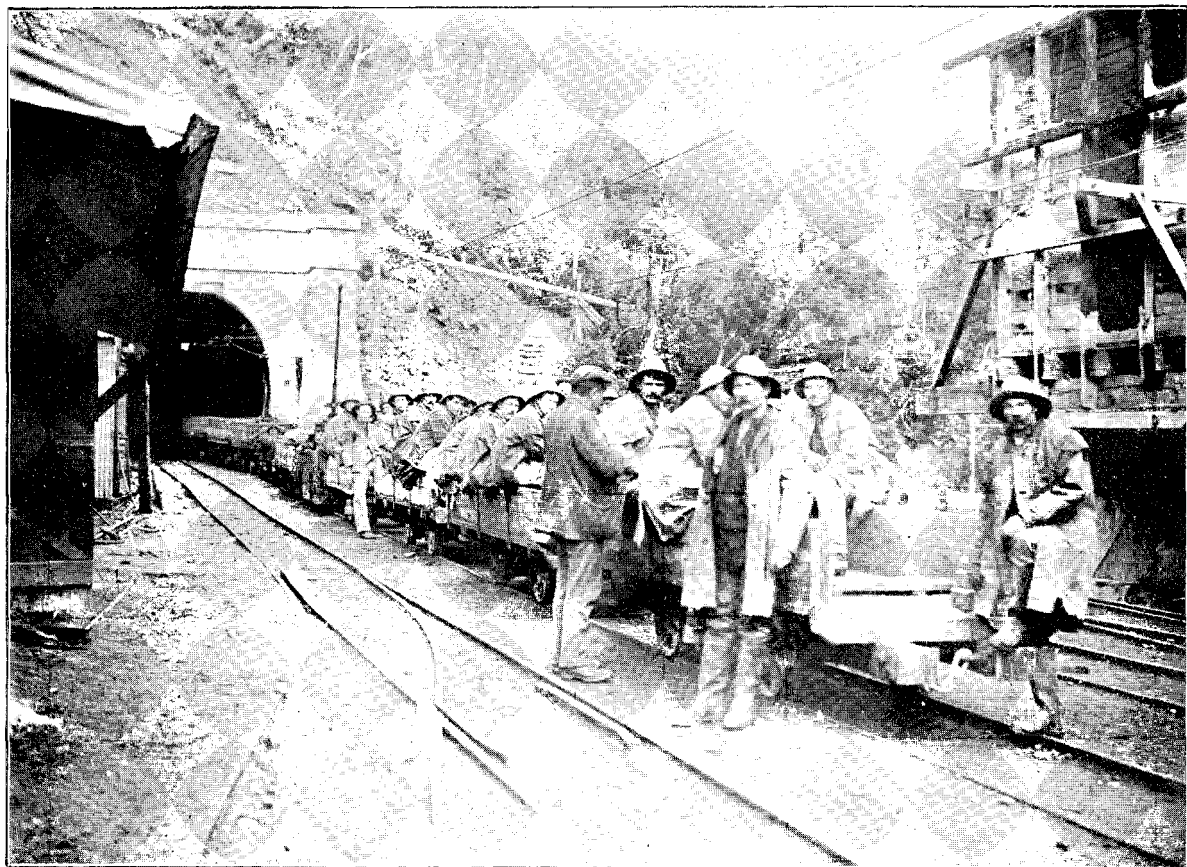
MIDLAND RAILWAY.—PROTECTIVE GROYNES AND FACING, BEALEY RIVER.



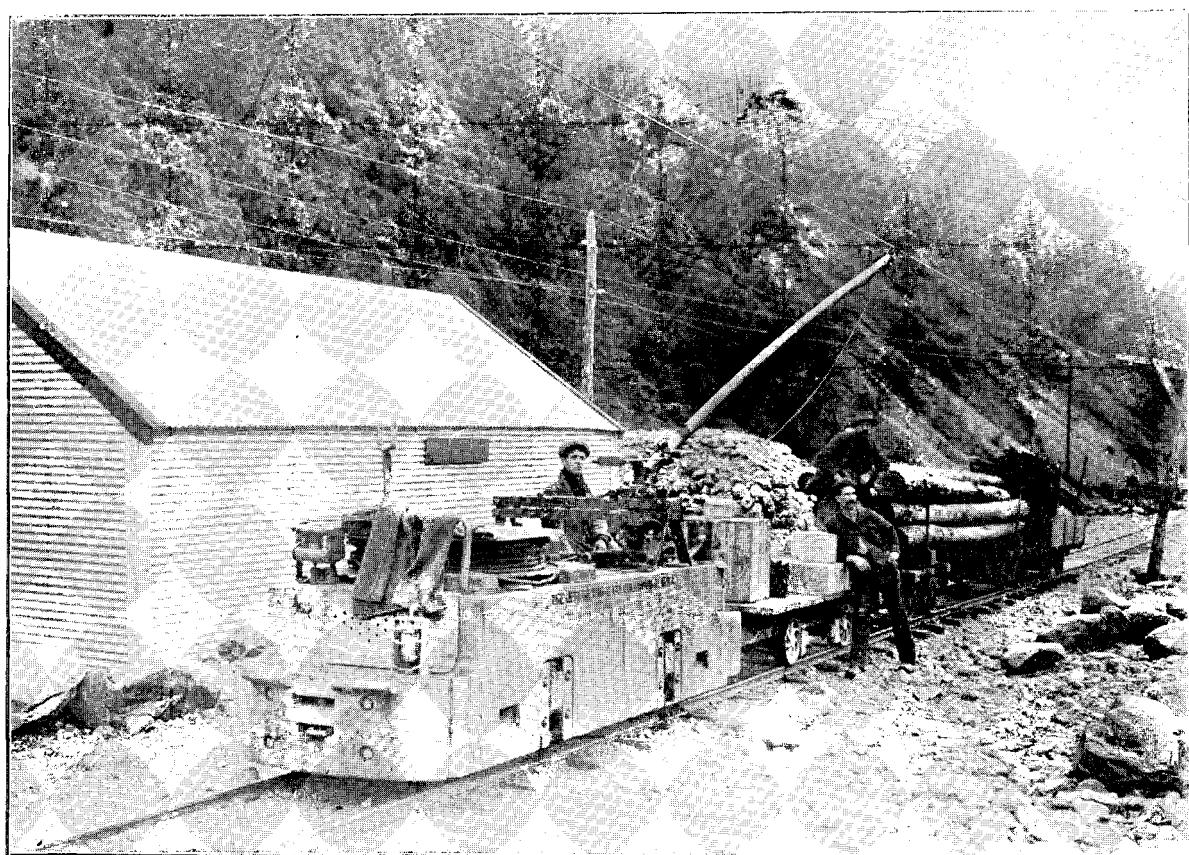
ARTHUR'S PASS TUNNEL.—OTIRA PORTAL, SHOWING VENTILATING, COMPRESSED-AIR, AND WATER PIPES ON RIGHT.



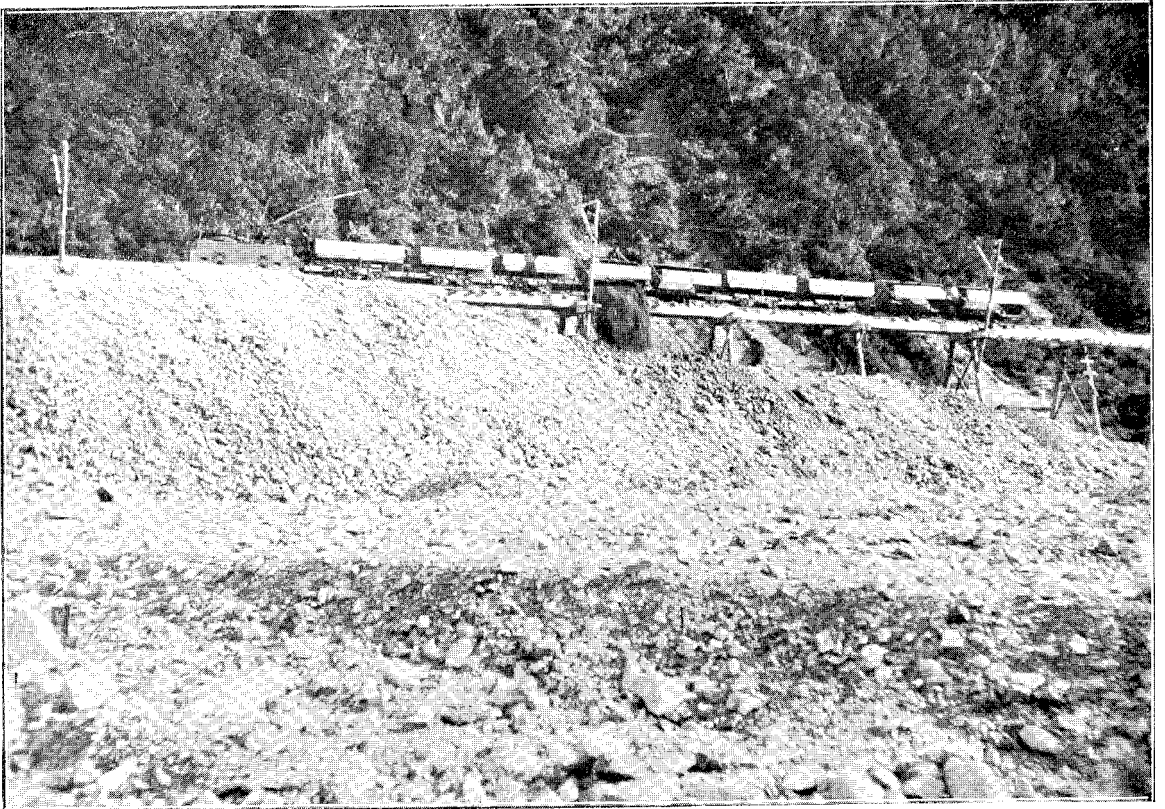
ARTHUR'S PASS TUNNEL.—OTIRA PORTAL. ROLLESTON RIVER IN FOREGROUND; ROLLESTON SPUR IN BACKGROUND.



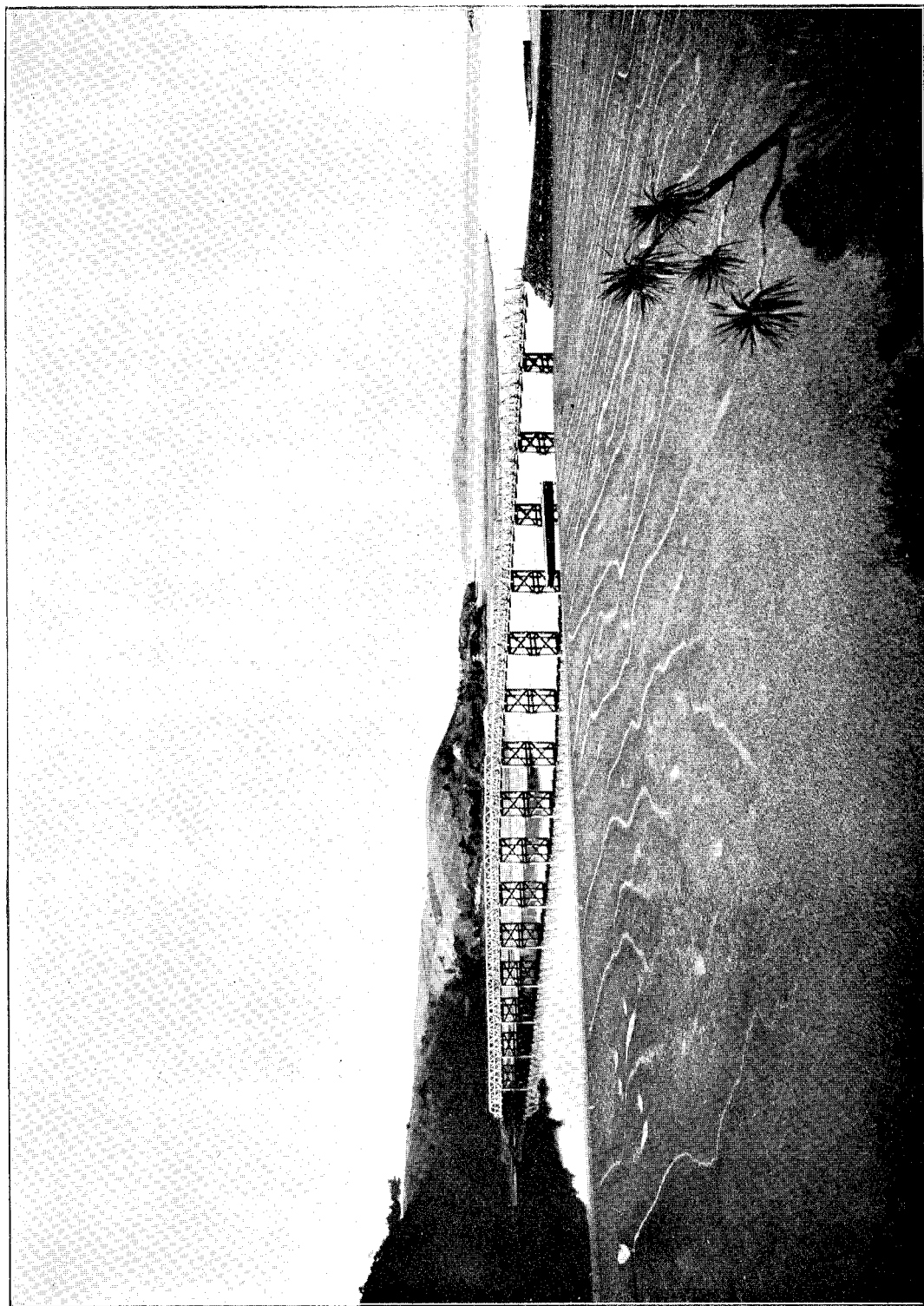
ARTHUR'S PASS TUNNEL.—OTIRA PORTAL.—MEN GOING TO WORK.



ARTHUR'S PASS TUNNEL.—ELECTRIC LOCOMOTIVE WITH TRAIN OF EXPLOSIVES AND TIMBER.

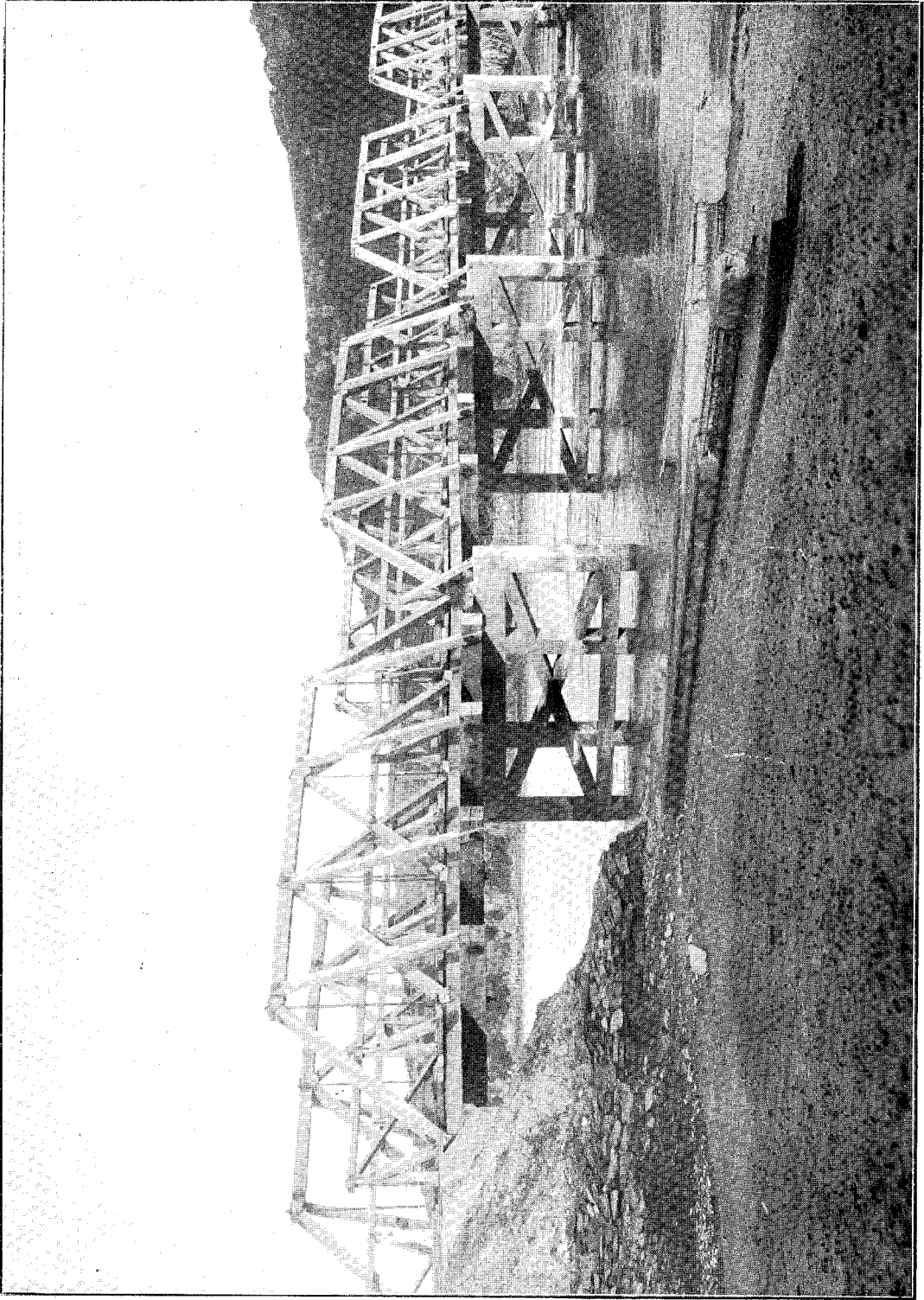


ARTHUR'S PASS TUNNEL.—TIPPING TRUCKS OF EXCAVATED ROCK FROM STAGING IN OTIRA RIVER BED.



TAPERI MOUTH ROAD-BRIDGE.

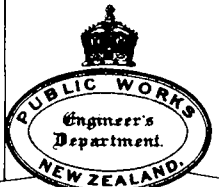
Total length, 661 ft. Width between wheel-guards, 12 ft. Sixteen spans of 41 ft. 4 in. Reinforced-concrete piers and abutments. Superstructure of mixed Australian hardwoods.



TAIERI MOUTH ROAD-BRIDGE.



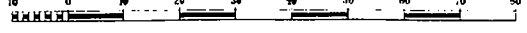
173° 174° 175° 176° 177° 178°



R. W. HOLMES, M. Inst. C.E.  
ENGINEER-IN-CHIEF

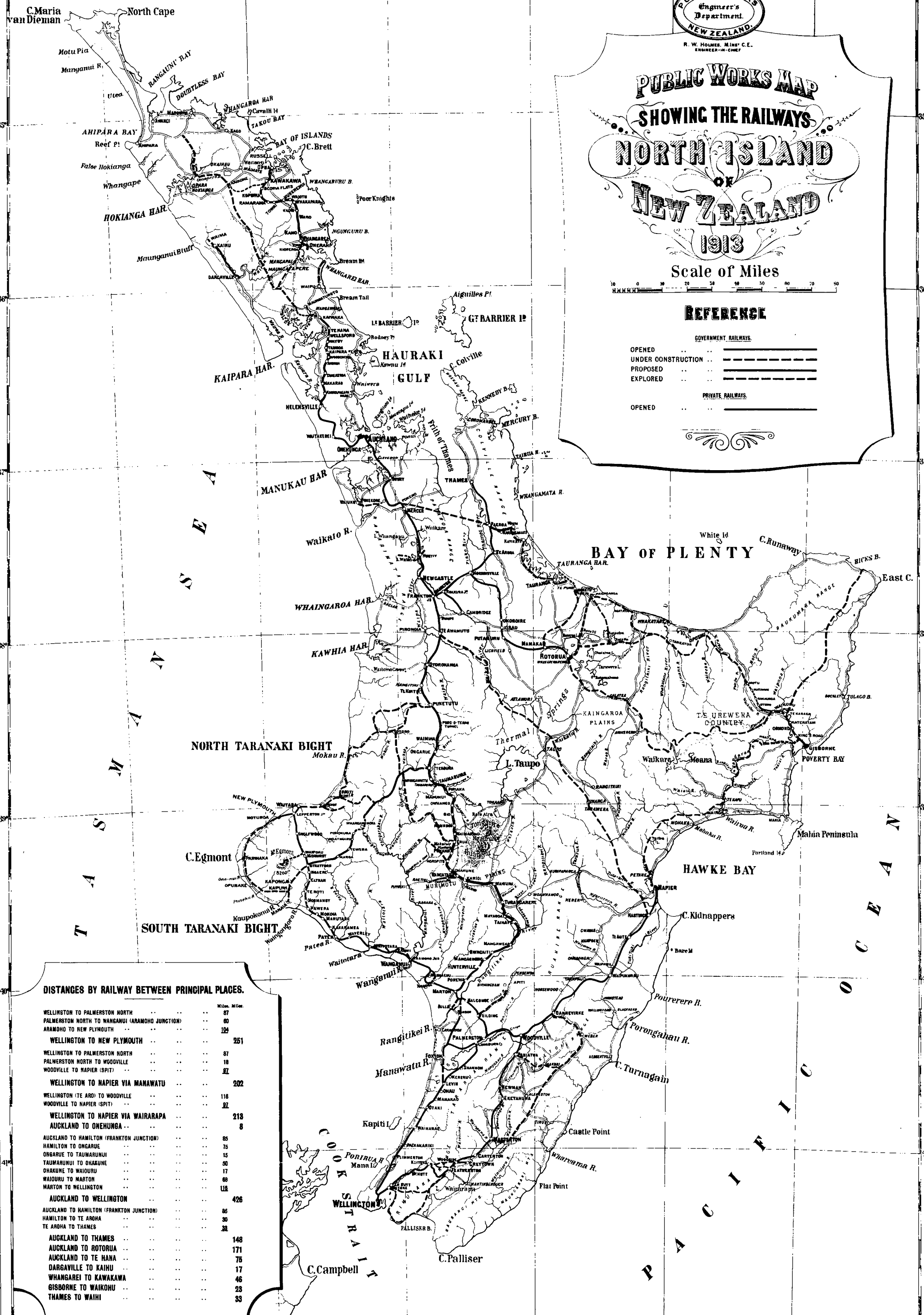
# PUBLIC WORKS MAP SHOWING THE RAILWAYS NORTH ISLAND OF NEW ZEALAND 1913

Scale of Miles



## REFERENCE

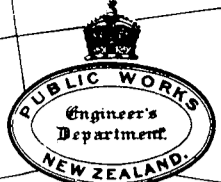
- GOVERNMENT RAILWAYS**
- OPENED .. .. .
  - UNDER CONSTRUCTION .. .. .
  - PROPOSED .. .. .
  - EXPLORED .. .. .
- PRIVATE RAILWAYS**
- OPENED .. .. .



### DISTANCES BY RAILWAY BETWEEN PRINCIPAL PLACES.

Route	Miles
WELLINGTON TO PALMERSTON NORTH	87
PALMERSTON NORTH TO WANGANUI (ARAMOHO JUNCTION)	80
ARAMOHO TO NEW PLYMOUTH	104
WELLINGTON TO NEW PLYMOUTH	251
WELLINGTON TO PALMERSTON NORTH	87
PALMERSTON NORTH TO WOODVILLE	18
WOODVILLE TO NAPIER (SPIT)	82
WELLINGTON TO NAPIER VIA MANAWATU	202
WELLINGTON (TE ARO) TO WOODVILLE	118
WOODVILLE TO NAPIER (SPIT)	82
WELLINGTON TO NAPIER VIA WAIRARAPA	213
AUCKLAND TO ONEHUNGA	8
AUCKLAND TO HAMILTON (FRANKTON JUNCTION)	85
HAMILTON TO OHARU	76
OHARU TO TAUMARUNUI	15
TAUMARUNUI TO OHAKUNE	50
OHAKUNE TO WAIOURU	17
WAIOURU TO MARTON	69
MARTON TO WELLINGTON	118
AUCKLAND TO WELLINGTON	426
AUCKLAND TO HAMILTON (FRANKTON JUNCTION)	85
HAMILTON TO TE AROHA	30
TE AROHA TO THAMES	32
AUCKLAND TO THAMES	148
AUCKLAND TO ROTORUA	171
AUCKLAND TO TE HANA	76
DARGAVILLE TO KAIHU	17
WHANGAREI TO KAWAKAWA	46
GISBORNE TO WAIKOHU	28
THAMES TO WAIHI	33

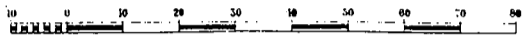




R. W. HOLMES, M. Inst. C.E.  
ENGINEER-IN-CHIEF

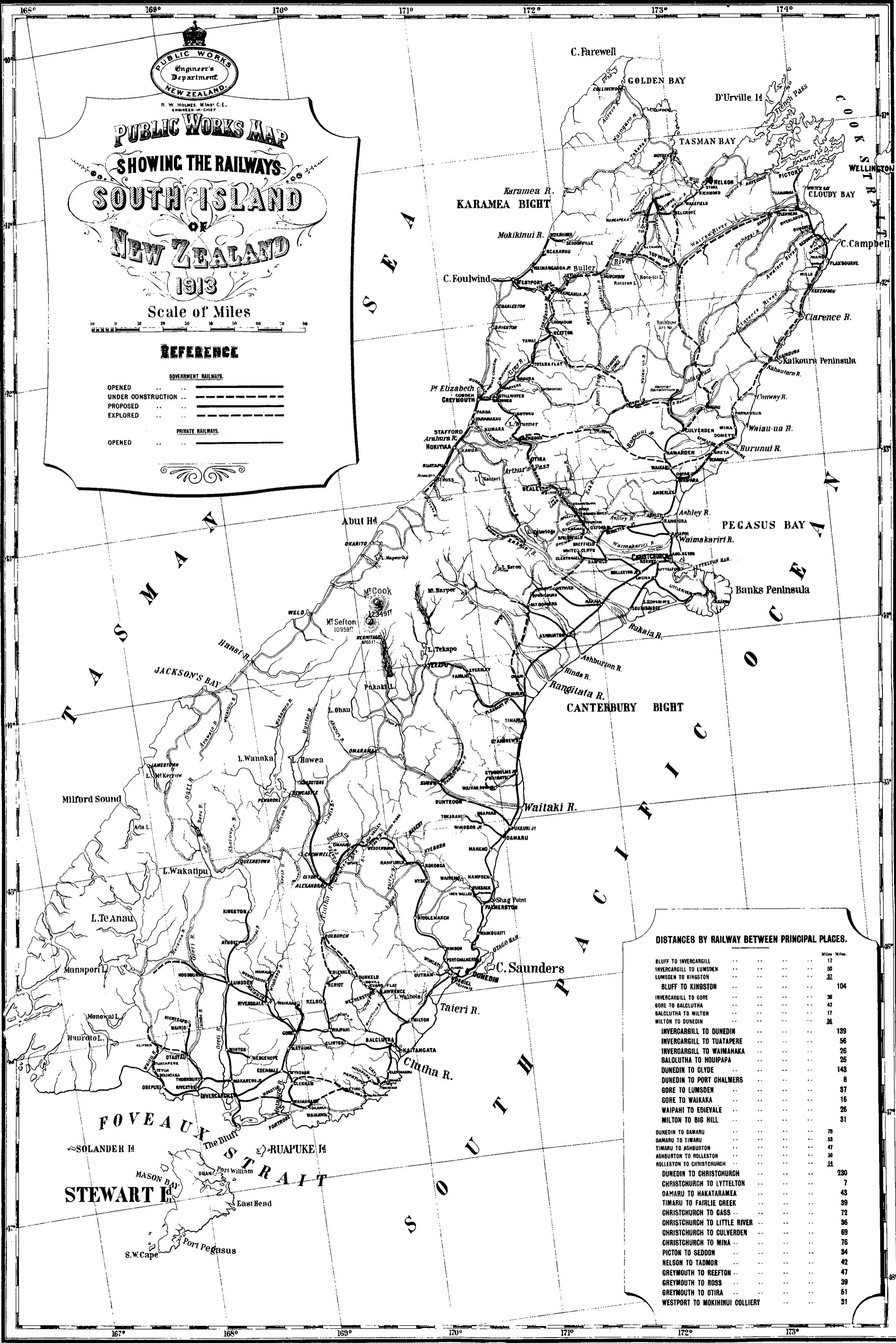
# PUBLIC WORKS MAP SHOWING THE RAILWAYS SOUTH ISLAND OF NEW ZEALAND 1913

Scale of Miles



## REFERENCE

- GOVERNMENT RAILWAYS.**
- OPENED .....
  - UNDER CONSTRUCTION .....
  - PROPOSED .....
  - EXPLORED .....
- PRIVATE RAILWAYS.**
- OPENED .....

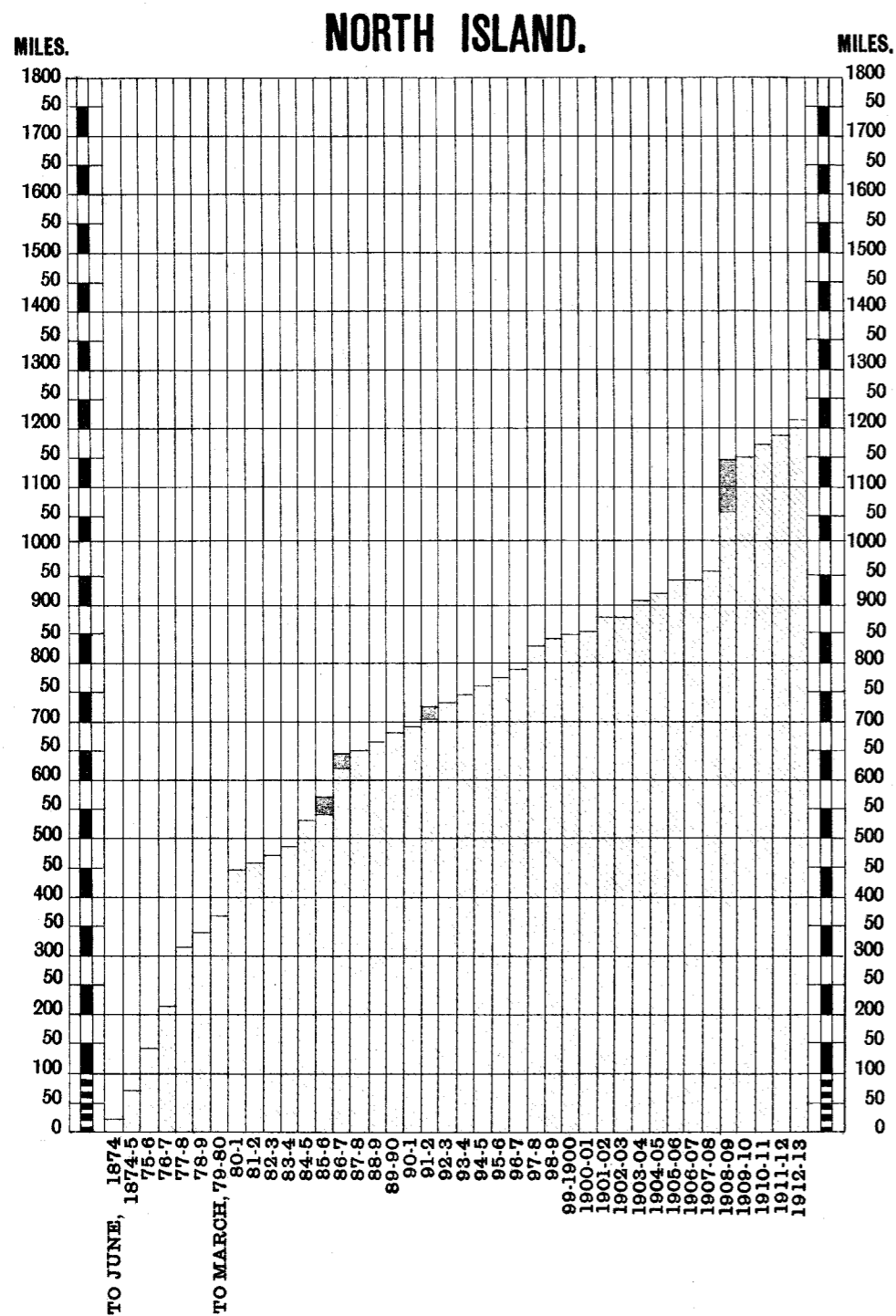


### DISTANCES BY RAILWAY BETWEEN PRINCIPAL PLACES.

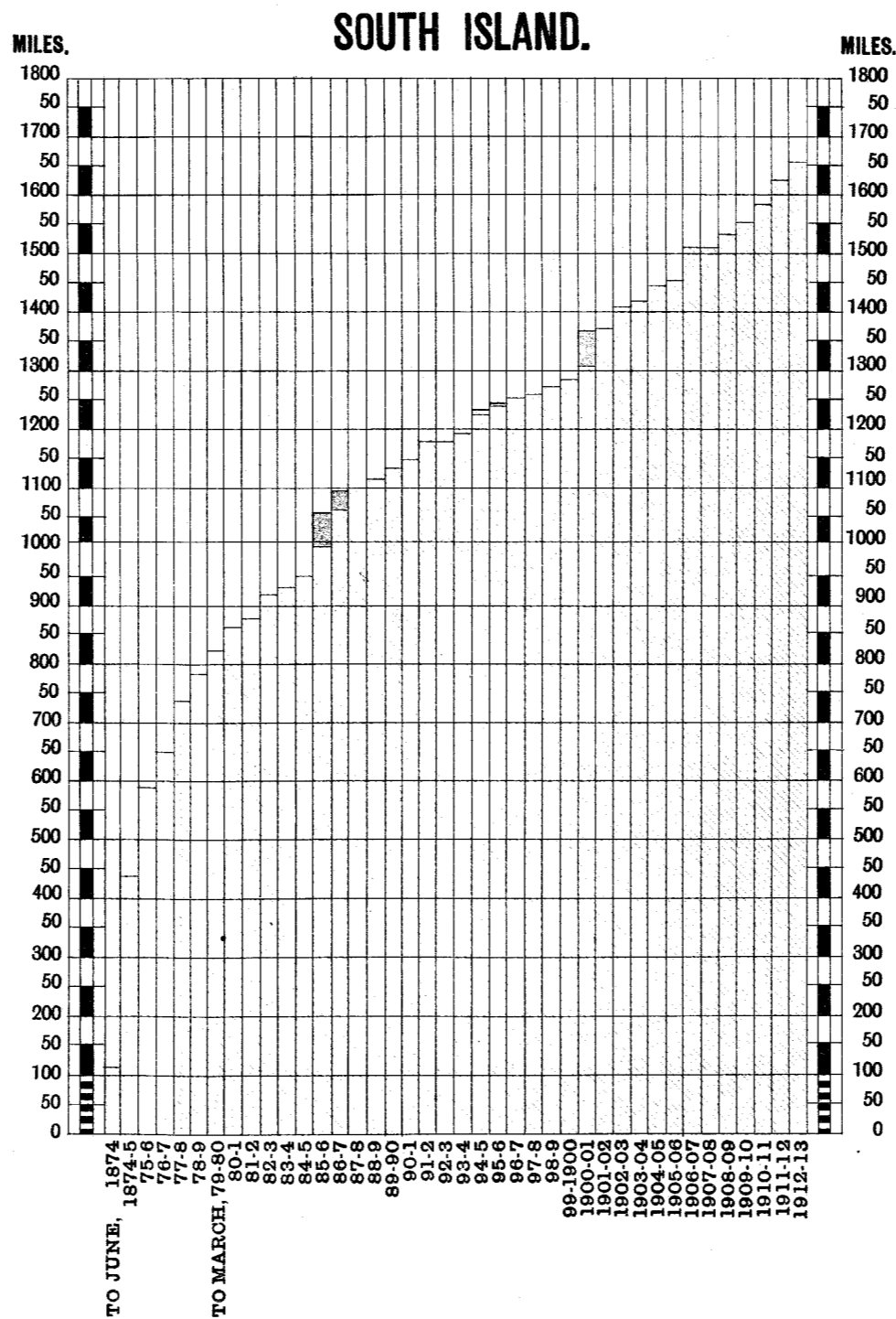
	Miles	Miles
BLUFF TO INVERCARGILL	..	17
INVERCARGILL TO LUNSDEN	..	50
LUNSDEN TO KINGSTON	..	32
BLUFF TO KINGSTON	..	104
INVERCARGILL TO GORE	..	38
GORE TO BALCLUTHA	..	47
BALCLUTHA TO MILTON	..	17
MILTON TO DUNEDIN	..	38
INVERCARGILL TO DUNEDIN	..	199
INVERCARGILL TO TUATAPERE	..	56
INVERCARGILL TO WAIMAHAKA	..	26
BALCLUTHA TO HOUIPAPA	..	25
DUNEDIN TO OLYDE	..	143
DUNEDIN TO PORT CHALMERS	..	8
GORE TO LUNSDEN	..	87
GORE TO WAIKAKA	..	16
WAIKAKA TO EDIEVALE	..	26
MILTON TO BIG HILL	..	31
DUNEDIN TO OAMARU	..	78
OAMARU TO TIMARU	..	53
TIMARU TO ASHBURTON	..	47
ASHBURTON TO ROLLESTON	..	38
ROLLESTON TO CHRISTCHURCH	..	14
DUNEDIN TO CHRISTCHURCH	..	230
CHRISTCHURCH TO LYTTELTON	..	7
OAMARU TO HAKATARAMEA	..	43
TIMARU TO FAIRLIE CREEK	..	39
CHRISTCHURCH TO GASS	..	72
CHRISTCHURCH TO LITTLE RIVER	..	36
CHRISTCHURCH TO CULVERDEN	..	69
CHRISTCHURCH TO MINA	..	76
PICTON TO SEDDON	..	34
NELSON TO TADMOR	..	42
GREYMOUTH TO REEFTON	..	47
GREYMOUTH TO ROSS	..	39
GREYMOUTH TO OTIRA	..	51
WESTPORT TO MOKIHINUI COLLIERY	..	31



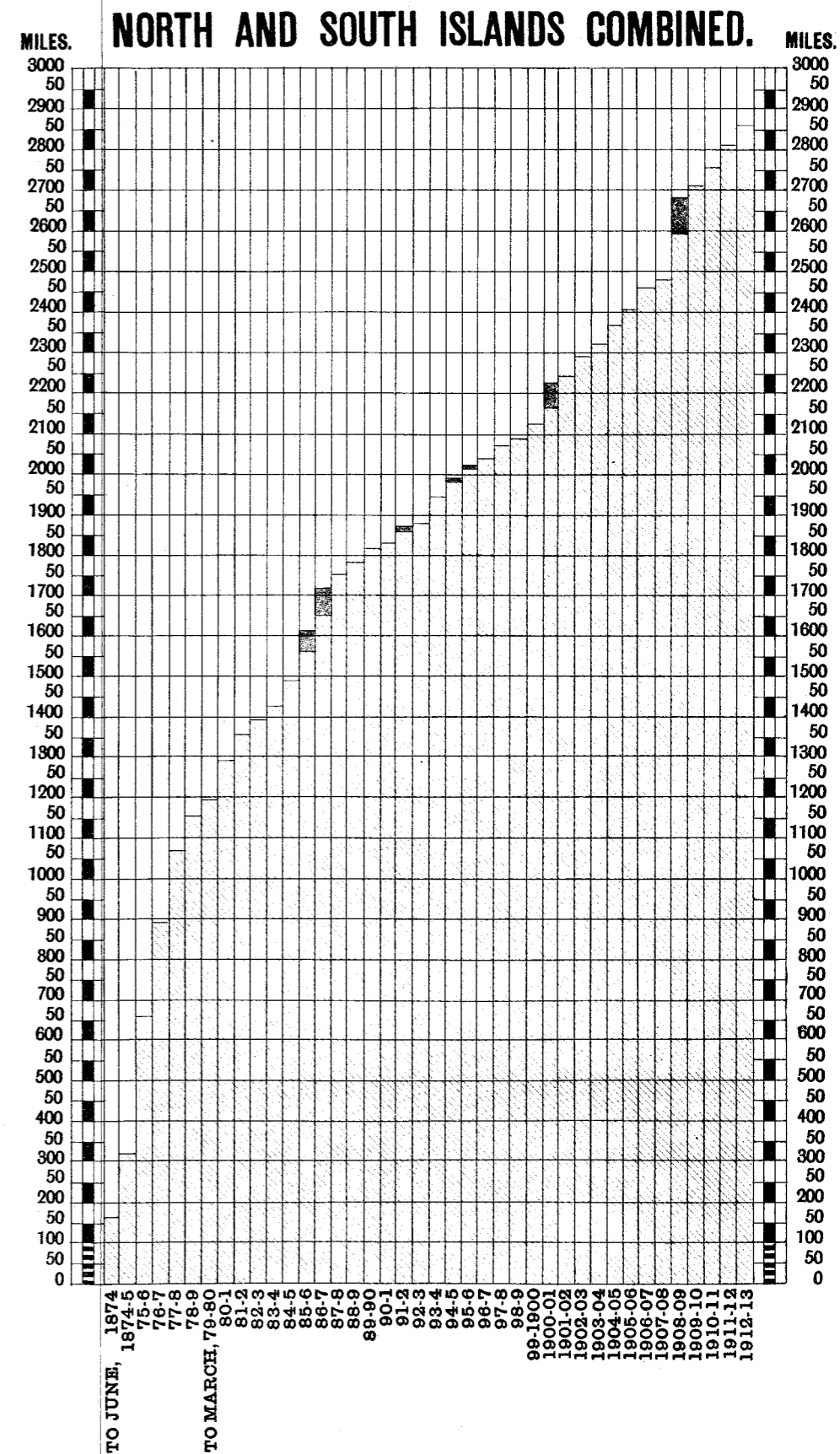
NUMBER OF MILES OPEN  
OF  
GOVERNMENT LINES.



NUMBER OF MILES OPEN  
OF  
GOVERNMENT LINES.



NUMBER OF MILES OPEN  
OF  
GOVERNMENT LINES.



PRIVATE RAILWAYS ACQUIRED BY THE GOVERNMENT SHOWN [shaded area]

