1881. ZEALAND. NEW

PUBLIC WORKS STATEMENT,

BY THE ACTING MINISTER FOR PUBLIC WORKS, THE HON. JOHN HALL, TUESDAY, 9TH AUGUST, 1881.

Mr. Speaker,—

The loss, which I sincerely regret, of my late colleague the Minister for Public Works, Mr. Oliver, has imposed on me a heavy duty in the Statement. I am now undertaking. Intimately acquainted as he is with every detail of the works to be spoken of, the task would, for him, have been a comparatively easy one: but, taking up the matter as I have done at an advanced date in the period under consideration, I am obliged to ask for special indulgence for the deficiencies which Mr. Oliver's absence is sure to cause.

PUBLIC WORKS.

There will be attached to this Statement, in addition to the usual Tables and Statements of Expenditure and Liabilities, Reports from the Engineers-in-Charge of the North and Middle Islands, on Railways, Roads, Water-races, and Public Buildings; from the Marine Engineer on Lighthouses; and from the General Manager of Railways.

I shall deal with the subjects in the following order:—

- I.—The progress of construction during 1880-81, of the several classes of Public Works.
 - (a.) Railways:—

(1.) Their construction;(2.) Their maintenance and working, and the results of traffic.

(b.) Roads.

- (c.) Harbour works and Lighthouses.
- (d.) Coal fields.
- (e.) Waterworks on Gold Fields.

(f.) Telegraphs. Public Buildings.

II.—Proposals for the current year 1881-82, in the same order.

RAILWAYS.

The considerable expenditure of the year, amounting to £969,165, has been almost wholly upon works already begun before the period 1880-81. the expenditure during the first quarter of the current year, and the liabilities outstanding on the 30th June last, it has not exhausted the votes of last year. No single group of lines can be said to be absolutely finished and provided with suitable appliances; but I am glad to inform the House that the calls for additional accommodation and increased plant are diminishing in importance, the lines being for the most part equal to an extended traffic. Beginning in the North, I come first to the-

Kawakawa and Whangarei Lines.—The small coal line at Kawakawa (Bay of Islands) and that at Whangarei are making good progress. The former is now all under contract; the latter is finished to a point below the town wharf, but not to the deep-water wharf at one mile fifteen chains lower down the harbour. tract for the extension to this point has been entered into.

Kaipara.—The Kaipara line was opened for traffic to Henderson's Mill on There then remained but a short subsection (about the 21st December last. eleven miles) to complete communication between Auckland and Kaipara, at Helensville, a distance of about forty miles. I am glad to say that this remaining section has since been completed, and the line was opened for traffic throughout from Auckland to Helensville on the 18th July.

Auckland-Waikato.—Of considerable interest to the colony at large is the advance (since the date of the last Statement), on the southern side of Auckland, to Awamutu, a point within three miles of the southern boundary of the confiscated territory in the Waikato District. The line thus extended is now close on one hundred miles in length, and, with the Kaipara line, will form a con-

tinuous railway of one hundred and forty miles.

Waikato-Thames.—Some progress has been made with this line. From the Auckland-Waikato Line at Hamilton, the formation towards Morrinsville is finished for a distance of fourteen miles, and the remaining four miles of the No part can be usefully worked until the bridge over the section are in hand. Waikato, at Hamilton, is erected. The ironwork for it has been already shipped. At the other end of the Thames-Waikato line, a contract has been let for the formation between Grahamstown and Kopu, where a deep-water wharf can be obtained.

Napier-Wellington (Northern Division).—The northern division of the trunk line between Hawke's Bay and Wellington has been lengthened by four miles thirteen chains, ending at Makatoko, opened last year. The gap in the trunk line is thus reduced to about eighty miles. The exact position of a portion of the work remaining to be constructed within the Seventy-Mile Bush has not been yet determined.

Some work has been done on the southern division of this railway, but no extension has been effected, and the northern terminus remains at Masterton.

New Plymouth-Foxton.—The northern division of this trunk line, being the portion from New Plymouth to Hawera, a length of about fifty-one miles, is completed; twelve miles, between Ngaere and Normanby, were opened for traffic during the last financial year, and the remainder will be opened in a few days.

The southern division of the New Plymouth-Foxton line, being the length between Hawera and Foxton, has now a total extension of ninety-eight miles, of which nineteen miles between Kai Iwi and Waverley have been opened during The length remaining to unite Waverley and Hawera is twenty-five miles, of which the precise direction between Manutahi and Hawera is as vet un-The present surveyed line passes near the coast, but we consider that it would be preferable to adopt one further inland if it should turn out to be economically practicable. The Wanganui Wharf has been finished, and has a total frontage available for vessels of about 940 feet. Steps are being taken to provide necessary station buildings on the reclamation, and to bring the new station into

proper working order.

Foxton-Wellington.—The earthworks on this part of the trunk line (the total length of which is about seventy miles) were begun in the neighbourhood of Wellington by the labour of the "unemployed"; but funds not being available for its continuation, the works have been discontinued. The House will be aware that, with a view to carrying on the project, a Company has been initiated The promoters have been in treaty with the Government for in Wellington. terms, including the grant of lands on the line, of the earthworks executed, and of materials already provided. The Government propose also to undertake the definition and survey of the whole line, and, in any arrangement which may be made, to reserve to the colony the right of purchase. The completion of this work would open unbroken railway communication between Wellington and the whole Wanganui and Taranaki country, by a line of two hundred and This matter will come before the Legislature in connection with a Bill to be introduced, empowering grants of land for purposes of this kind.

Required to complete Trunk Line.—Unsurveyed intervals of one hundred and twenty miles on the west, and one hundred and sixty miles on the east, separate the extremity of the Waikato line at Awamutu from Waitara (Taranaki)

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and Napier respectively. The Government will lose no opportunity which may present itself for obtaining such information with regard to the intervening country, as will enable the best mode of completing this main arterial line to be determined.

Picton-Hurunui.—Crossing the Strait, we enter the Picton-Blenheim section, on which the only work completed during the year is the extension to the town of Blenheim, a distance of one mile and a quarter, including the Opawa Bridge and Blenheim Station.

Nelson-Roundell.—The works on this section are the formation of three miles extension from the inland terminus, Foxhill, to Belgrove, a forest country, from which a timber traffic may be calculated on, with very small increase to the working expenses. The permanent way is finished, and the station works are so far advanced as to admit of the line being opened immediately.

Hurunui-Bluff.—The main line, the longest continuous trunk in the colony, measuring from the Hurunui River, the old Provincial boundary of Nelson and Canterbury, to the Bluff, four hundred and forty-three miles (exclusive of branches), has, during the year, been completed from Amberley to Waipara, an extension of seven miles at the northern extremity, leaving nineteen miles to complete the whole distance to the Hurunui. The extension from Waipara to Waikari, a distance of nine miles, will, I hope, be completed in time for the ensuing grain and wool season; but the section from thence to the Hurunui awaits further survey.

Branches.—During the year, a portion of the Tinwald Branch to Mount Somers, ten miles sixty chains, has been opened for occasional traffic.

An agreement has been made with the Rakaia Forks Company, under which the Government work this company's line, twenty-two miles seven chains in length.

On the Waipahi-Heriotburn Branch, fifteen miles forty-three chains have

been fully opened.

Arrangements have been made for interchange of traffic with the Waimea Plains Company (thirty-seven miles), under which the business is now carried on

with through booking.

Otago Central.—Works have been prosecuted on the Hindon section of this line by "unemployed" labour. All hands, except a few who have small contracts, On the Wingatui contract, the formation is practically are now discharged. finished, excepting the small tunnels at the sixth and seventh miles. The working survey is finished to Hyde, and from Roughridge to near Lake Hawea. important work is in an exceptionally favourable position for being prosecuted by a Company, aided by grants of land on the principle I have already referred to. I trust that by this means the work will be gone on with.

Riverton-Orepuki.—The works on the Riverton contract, six miles, which

include ballasting and permanent way, are now finished.

Otautau-Nightcaps.—The Opio and a portion of the Waicola contracts are ready for the laying of the permanent way. The whole line to the Nightcaps Coal Field may be finished without difficulty during the present financial year.

Total Increase of Working Lines in the Colony.—Summing up the additions made to the working lines in both Islands during the year, we have a total of one This gives a length of twelve hundred and eightyhundred and six miles. seven miles of trunk railways and branches now in work. To complete the main trunk lines in both Islands, the following additions will be required:—In the North Island, from Wellington to Foxton, seventy miles; from Waverley to Hawera, twenty-five miles; and from Waitara to Awamutu, one hundred and twenty miles; being a total of two hundred and fifteen miles, besides the gap of eighty miles on the Wellington-Napier line. In the Middle Island, a length of about one hundred and forty miles, between Blenheim and Waikari, will complete the trunk line from Picton to the Bluff.

WORKING RAILWAYS.

I now come to the review of the year's experience of the working railways. Important changes have been effected in the administration of this department,

For the two Railway Commissioners, one in each Island, one General Manager has been substituted, whose head-quarters are in Wellington; the two Accountants' Departments have also been amalgamated, as likewise the two Stores Departments. Independently of the considerable annual saving which has resulted from these changes, they are calculated to insure prompt and efficient management. They have also given to the Minister a more real control over the business of the depart-

ment than he could possibly have under the former system.

The results of the traffic for the year have been on the whole satisfactory. In the passenger traffic there has indeed been a considerable falling-off, an indication in agreement with that furnished until recently by the Customs and other revenue returns, of the general depression in which this colony has shared, and the forced economies that have been the result. The decrease has not been caused by any increase in passenger fares, which have not been raised: in some cases, reductions have been made. This falling-off has affected chiefly the busiest parts of the country. On the Hurunui-Bluff lines, which furnish three-fourths of the whole receipts, it nearly reached 10 per cent. on those of the preceding period, though the length of lines open to traffic has been augmented by above $4\frac{1}{4}$ per cent.

There has been a contemporaneous and very general and large increase of the goods-traffic revenue, amounting to 24 per cent., and dependent not alone on the increase of the tariff but of tonnage also. On the two classes of receipts, namely passengers and goods, combined, there has been an increase of nearly 10 per cent.

Thanks partly to this augmentation, and partly to increased economy in management, the nett returns from the railways as a whole have, during the past year,

been equal to £3 8s. 3d. per cent. on the cost of construction.

The decrease of train-mileage, consequent on the greater care everywhere visible in the administration, together with large economies in the Railway staff, have resulted in a considerable growth of the nett revenue. The gross revenue of the year 1880-81 amounted to £836,454, against £762,572 in 1879-80, an increase of £73,882. The nett revenue was £314,497, against £182,562 in 1879-80, an increase of £131,935, the difference between these two increases, £58,053, being due to the causes already pointed out. Notwithstanding the increase of mileage under work (9 per cent.), the total cost of maintenance and traffic was reduced from £580,010 in 1879-80 to £521,957 in 1880-81, a reduction exceeding 10 per cent., and as large, probably, as due care of the lines and plant will permit in the existing state of the traffic.

Only two openings for further economy seem suggested on the face of the copious returns as to the working management for the year. I refer, first, to the selection in future purchases of the types of locomotive which experience suggests as most suitable, and to the employment of the fuel which, having regard to its cost, has proved most effective. In this connection, it will be satisfactory to honorable members to know that New Zealand coal alone is now used on the locomotives, and that the returns show that the Westport coal may claim to rank, in point of value for locomotive purposes, above that obtained from the Newcastle, N.S.W., mines, which stands second on the list. Return No. 27 will be found to record experiments on an extensive scale, including a comparison of the effective work of the above two varieties of coal, used under similar conditions and

by engines of the same type.

The second hope of economy is afforded by what appears at first sight the excessive proportion of locomotive expenditure under the head "Shunting." This seems to be owing to peculiarities of the traffic, and, to some extent, to the imperfection of station arrangements in places where the traffic has, in the course of time, outgrown the existing accommodation. The large number of stations, and of sidings independent of stations, the number of blind sidings and of short branch lines, and the inadequate water services, are also features of our system which swell the cost of locomotive work, by increasing the item "Shunting." The item in question is about one-fourth of the total (£137,000) of Class B, "Locomotive Power," in the Return No. 3; and, if a moderate additional expenditure in the extension and equipment of some of the stations would diminish the charge materially, the result would sensibly affect the nett revenue.

Doubts have been entertained and expressed in several quarters, whether the Government may not be deluding themselves and the country as to the true amount of profit on the working lines. It is thought, first, that the condition of the lines and plant is perhaps declining in some particulars; and, secondly, that payments which should be debited to maintenance have been placed to the account of construction. In reply to the first supposition, I request honorable members to refer to Return No. 5. From this table it will be found that the proportion of the whole working expenses due to maintenance is 35 per cent. Of this amount, the cost of the daily operations for keeping the permanent way true in form and level, absorb $23\frac{1}{2}$ per cent.; the cost of material for repairs of the way is 5 per cent.; that of maintenance of bridges, signals, and other works of the kind, 5 per cent.; and the repairs of stations and buildings, $1\frac{1}{2}$ per Take again the analysis of locomotive expenses, which in the whole represent $26\frac{1}{4}$ per cent. of the annual expenditure. It will appear that 21 per cent. is for running expenses (fuel, oil, labour, &c.), and $5\frac{1}{4}$ per cent. for repairs and renewals of the locomotives. The next subdivision of the same return refers wholly to repairs and renewals of wagons and carriages, and these make $5\frac{3}{4}$ per cent. of We have then in all $22\frac{1}{2}$ per cent. of the annual expenditure devoted to renewals and repairs of rolling stock, of permanent way, bridges, culverts, and buildings, in addition to the $23\frac{1}{2}$ per cent. as already stated, for the daily operations in keeping up the gauge and levels of permanent way. I will not say that extra charges may not arise from time to time for entire renewals of sleepers or rails on sections of the system; but these will not, I think, come upon us on a scale to make us anxious. Our total mileage is now considerable. The lines have been opened at very different dates; the wear and tear due to traffic must be so various on different sections that this class of charges will arise gradually, will become almost as regular as other parts of the cost of maintenance, and should be fully met by the increased traffic to which we confidently look forward. Thirty-six miles of sleepers were replaced during the period just ended, upon a working length of 1,200 miles; that is to say, 3 per cent. of the sleepers were renewed. The normal average may be about 10 per cent., good timber being employed. Four miles and a-half of rails have been replaced, or about $\frac{1}{3}$ per cent. of the total length. renewals will probably reach 5 per cent. when all the system has been some years at I exclude sidings and stations, on which old rails serve, after rejection from the running line. The charges that may be anticipated for renewal of our timber bridges are a less calculable matter, but they need not cause any anxiety. Bridges of the kind, erected in Europe thirty years ago, are still in existence on some railways; and it appears unlikely, from our local experience, that wellconstructed bridges of colonial timber, carefully attended to from month to month, will become unserviceable in less than twenty to thirty years from the date of their erection.

As to the second doubt I have mentioned—whether maintenance may not, perhaps, have been sometimes charged to construction—it will, I think, be sufficient to remind the House that the construction and the working of the lines are now intrusted to absolutely independent departments, each properly solicitous for its own character for economy; and I may assure the Committee that each, as a matter of fact, jealously resists the attempt to charge on it any expenditure that may more fairly be charged to the account of the other.

While it may be possible to effect still further economy in working expenses, the main hope for improvement in the nett return from our railways must consist in an augmented traffic, which the lines with their present appliances are capable of carrying with but little increase of cost. A gradual revision of the present tariff, with a view to the encouragement of traffic by diminished charges, and the progressive adaptation of that tariff to the circumstances of the several parts of the system, are receiving constant consideration by the Government.

ROADS, 1880-81.

Following the order sketched, I now turn to the subject of roads begun or completed during the period 1880-81. These have been under the charge of two departments—Public Works and Crown Lands. The division has been in some

cases rather one of convenience than of proper classification. Some of the works carried on by the Engineers of the Public Works Department will give access to Crown lands not yet opened, whilst some of those of which the Surveyors of the Crown Lands Department have charge, are of political value. I think that there is no sufficient reason for altering the present arrangement, if due care be taken to avoid overlapping estimates and want of proper co-operation. It will probably be satisfactory to honorable members that I should glance at the whole, leaving my colleague the Minister of Lands to add whatever he may think right, to supplement my notes, when the occasion arises. Very interesting information relative to the work of the Crown Lands Department, as the pioneer of settlement, has already been afforded in the report from that department which has been laid on the table.

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It will be most convenient to arrange my enumeration by localities, without regard to the department in charge of each work. Honorable members will find an arrangement by departments in the Public Works Estimates, which will shortly be placed before the House.

Much progress has been made with the road-works, but comparatively few have arrived at completion. I shall not detain honorable members long with the subject of past construction, which will be found detailed in the printed reports

of the Engineers-in-Charge.

Of the works under the vote of £66,650 for roads, &c., north of Auckland, part have been carried on by the several County Councils of the district, under agreements as to the objects on which the several grants were to be expended. A portion of the vote has been applied to the construction of a main road between Auckland and Mangonui, and is being expended on this work under the superintendence of the Chief Surveyor, Auckland, Mr. Percy Smith. The works done on this road have made it fit for wheeled traffic as far as Wellsford, a distance of fifty-five miles and a-quarter, and they include three bridges of considerable size. On the next two sections, contracts are in progress in the neighbourhood of Whangarei.

Thence to Kawakawa, Whangaroa, and Mangonui, works are also in progress; and, between Mangonui and Awanui, contracts are completed or in progress over about eighteen milés. These, when finished, will make a road between the two

last-named places fit for wheeled traffic.

Of the whole distance from North Shore to Awanui, about forty miles of new road will, on completion of the contracts now in hand, have been formed, a portion of which has been metaled.

Aroha Drainage.—In Waikato and Thames, the most important works are the Archa drainage, in which considerable progress has been made. About eight and a half miles of drains remain to be done.

Whatawhata Bridge.—The bridge across the Waipa at Whatawhata, on

the Hamilton-Raglan Road, in length 520 feet, was opened in April last.

Te Rore Bridge.—The Te Rore Bridge across the same river, two miles and a-half below Alexandra, providing communication between Kawhia and the Waikato and Auckland Railway, is under contract and progressing satisfactorily.

Mountain and Coast Roads, Taranaki.—On the Taranaki promontory, the read at the back of Mount Egmont has been metaled for a distance of nearly eighteen miles. The formation of the coast road, or that leading from the Waingongoro through the Waimate Plains and the Parihaka Block, to Stony River, has been completed during the year. It is now practicable for wheeled vehicles throughout its entire length, and for more than half that length is already graveled. Honorable members are aware that, in addition to facilitating settlement in a very promising district, this work is one of special political importance. It has been carried out to a large extent by means of the Armed Constabulary Force.

Maintenance of certain North Island Roads.—A number of other roads have been maintained, improved, extended, and surveyed in the North Island, for particulars of which the reports of the Engineer-in-Charge may be consulted by honorable members desiring fuller details. With one or two important exceptions these are not new works.

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Nelson and Wairau to Amuri and the South.—Turning to the South Island, considerable progress has been made with the road from the Tophouse through the Upper Wairau Valley to Tarndale, on the way to the Amuri; and, so soon as the outstanding contract for improvements in the Wairau Gorge is completed, wheeled vehicles will be able, for the first time, to travel from Nelson, Picton, and Blenheim, to the Bluff and Riverton, in the extreme south. The road is now open from Tarndale southwards, although still interrupted by some unbridged rivers of considerable magnitude.

Pelorus Valley, Nelson, to Picton and Blenheim, by the Rai Valley.—Of this road fourteen miles and a-quarter are being formed and graveled, and will shortly be finished. The Wakamarina and Kaituna Bridges are finished. Twenty miles, including the Rai Valley Road, remain to complete a carriage road be-

tween the Nelson and Wairau Districts.

Nelson and Buller Valley. — Two contracts for forming and graveling on the Nelson and Buller Valley Road will complete the communication for vehicles between Nelson and the West Coast. It is expected this work will be finished during the present month. It will not, without further expenditure, be a high-class road; in particular, the Matiri and Owen Rivers and Granite Creek require bridging.

Reefton-Greymouth. — The bridge over the Inangahua at Reefton is

nearly finished. It has five spans of 60 and four of 15 feet.

Haast Pass Bridle-track. — This track is open, and communication exists between the Lake Wanaka District (Otago) and Westland. Some inconsiderable works are still required to finish the line satisfactorily.

Christchurch-Hokitika.—Considerable work has been necessary to repair damages by flood on this road, and to place parts of it in more security against

future casualties of this kind.

HARBOUR WORKS.

The great works authorized under this head being almost all under the direction of Local Boards, the only important expenditure that comes within the scope of the present Statement is that for the improvement of the river at Greymouth. These operations are being carried out on the plans of Sir John Coode, are progressing satisfactorily, and have already had a beneficial effect on the channel. The training-wall has been extended to a total length of 924 feet, the greater portion of this having been done during the year. The wall has perfectly resisted the heavy seas and floods. A new and larger dredge, constructed by Messrs. Kincaid, McQueen, and Co., of Dunedin, and put together by them at Greymouth, is nearly finished. The entrance to the lagoon has been enlarged and bridged during the year. Tables furnished by the Harbour Masters at Westport and Greymouth show an average improvement of depth on the bars of these rivers of 1 foot and 9 inches respectively. The increase in the former case is due to the operation of natural causes: it is proposed to incur some expenditure with a view to secure the permanency of this improvement.

LIGHTHOUSES.

Cape Egmont.—The lighthouse removed from Mana Island has been reerected at Cape Egmont, and was put in action on the 1st August. I may fairly congratulate the House on the completion of a work which has been long urgently required, but which for political reasons it would have been imprudent to undertake at an earlier date.

COAL FIELDS.

The operations of the Department of Public Works affecting this important industry have been limited to the construction of the railway lines, already referred to under another head, and to the adoption of New Zealand coal as fuel in their working. The inspection of the mines, with a view to the security of the miners, is actively carried on, needful precautions being enforced, and suggestions for more systematic working being made. Thoroughly effective and economical mining can only be expected when the development of the mines has advanced

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so far as to attract capital and abundant technical experience of the first order from Europe. In the meantime the progress is encouraging. From the long list of mines, most of them very small, which is attached to the report upon the control and inspection of mines, I extract a few facts regarding the most important. The largest output of coal during the year 1880, it will be observed, is from the Kawakawa Mine, Bay of Islands, which produces a "glance coal," largely used by the Union Steam-ship Company.

Kawakawa Mine, opened 16 years, yielded 54,865 tons. Kamo (Whangarei), Taupiri (Waikato), 6,382 14,817 ... ,, Waikato (Waikato), 15,849 " ,, 880 Waimangaroa (Buller), Banbury (Buller), Brunner (Grey), Coalpit Heath (Grey), 2 3,892 " 16 32,505 14,330 · . . . ,, Springfield (Malvern), 7,060 ,, Homebush (Malvern), 7,873 ,, Prince Alfred (Otago), ", Prince Alfred, No. 2 (Otago), ", 2 1,089 2,030 Shag Point (Ótago), 36,066 18 ,, ,, ,, Walton Park (Otago), Abbotsroyd (Otago), 10 19,370 ,, ,, 8,216 Kaitangata (Otago) 15,830 5 ,, Kaitangata No. 1 (Ótago), 3 10,799

It will be observed that up to the 31st December last, the date to which the returns are made, the output from the great Buller coal field, of which so much has been, on good grounds, expected, had not been extensive. Since that time, however, the yield has largely increased, being from the Banbury Mine upwards of 10,000 tons for the half-year ending 30th June. No doubt this important field will fully justify the large expenditure which has been incurred for its development. I am informed that one of the difficulties obstructing the development of these mines is likely to be diminished shortly, steamers having been ordered, designed specially for service to Westport, as colliers and passenger boats; and, if the management of the mines keeps pace with the improvement in the means of transport, next year will probably show an important advance in the working of this field, which supplies a coal that competes favourably in the Victorian market with the coal from any other field in this hemisphere.

The total output of the coal mines of the colony is 300,000 tons for the year 1880, showing an increase of 68,700 tons on the yield of 1879, and of 137,700 tons on that of 1878. As I have already stated, New Zealand coal is now exclusively

used on New Zealand Railways.

A list of accidents during the year is given among the reports already quoted. Death was caused in two cases, and injury to the person in twenty. The majority of the accidents were from falls of coal or roof, and from causes all but inseparable from labour connected with machinery. Two accidents arose from explosions of gas. Assiduous inspection, with increased care among the managers, should prevent any serious increase of casualties of this kind.

WATERWORKS ON GOLD FIELDS.

The expenditure on the maintenance and improvement of the existing works in Westland has been:—Maintenance, £5,137, defrayed by the Gold Fields Department; construction, including liabilities, £20,744. The new works undertaken consist mainly of portions of the Mikonui Water-race and the Kumara Sludge-channel.

Two contracts for the continuation of the Mikonui Water-race, which were in operation at the end of last year, have since been completed; tenders for further sections have been accepted and the works carried out, and others are still in progress. The total expenditure on this race to the 31st March, 1881, has been £9,800.

The first section of the Kumara Sludge-channel, 46 chains long, is finished, and the remainder, 39 chains, is under contract: the whole is expected to be completed and in full working order in three or four months. The total cost of the channel, to its completion, will be about £16,000. This work is expected

to confer great benefit, especially on the district immediately concerned, as it enables ground to be worked that would otherwise remain unprofitable, and so gives employment to a large number of miners who have made this part of the colony their home.

SURVEYS.

Otago Central Railway.—The working survey of the Otago Central Railway has been continued and completed, except the part between Hyde and Roughridge,

which will not take long to complete.

Passes of Southern Alps.—A reconnoissance survey of the passes at the heads of the Rakaia and Hokitika Rivers has been made, which has afforded important and satisfactory results. There has also been a further examination of several northern passes, at the instance of the promoters of a company, in course of formation at Christchurch, for connecting Westland with Canterbury and the southern trunk line of railway. The heights of the passes thus determined are as follow:—

Whitcombe	Pass	 	4,180 feet.	Hope Pass		***	 3,230 feet.
Mathias	**	 	4,230 ,,	Lewis ,,			 2,870 ,,
${f Arthur's}$,,	 	3,014 ,,	Ada "	•••		 3,300 "
Hurunui	••	 	3.150				

The distances from Brunnerton to Christchurch by several of the lines suggested would be about—

Whitcombe Pass		 184 miles.	Arthur's Pass	 	142 miles.
Mathias ,,	• • •	 184 "	Hurunui "	 • • • •	151 "

The route by the Lewis Pass is longer, having in view Christchurch as the terminus; that by the Ada exceeds it by about thirteen miles, according to the character of the line adopted. None of the passes of the Southern Alps offers a fitting gradient on the western side, without a long detour or zigzags. A consideration that must not be lost sight of, when the proposals come to be practically dealt with, is the importance of the districts on either side to be opened and benefited by railway communication. The promoters of the projected railway advocate the route by the Ada Pass.

TELEGRAPHS.

The telegraph system of the colony is already so far advanced that but little in the way of addition has been found necessary during the past year.

Between Stony River and Opunake, the gap which has existed for several years has at last been filled up. The greater part of the work was performed by members of the Armed Constabulary Force. The total length of this addition to the line is twenty-eight miles.

From Motueka to Collingwood, a line has been constructed forty-eight miles in length, with an intermediate office at Takaka. This line is worked by the

Edison-Bell telephone.

From Port Chalmers to Seacliffe, a line carrying two wires has been erected for the Railway Department. This line is the first in New Zealand on which old iron rails are used as poles, and, in point of cheapness and stability, is a great success. The line was erected at a cost of £16 16s. 8d. per mile.

From Riverton to Otautau, telegraph wires have been erected along the rail-

way line, and offices opened at Thornbury Junction and Otautau.

The removal of the difficulties which so long interfered with the opening of the Komata Road, in the Valley of the Thames, will enable the Thames-Waikato telegraph to be shifted to a line on which the maintenance will be much more economical than in the very difficult country through which it is now carried.

PUBLIC BUILDINGS.

In the North Island, the principal buildings which have been completed during the financial year are the new Supreme Court and offices, and the Police Station, in Wellington. A considerable number of Police Stations have been erected in various parts of the country, as well as four new Post and Telegraph offices.

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The Lunatic Asylums at Auckland and Wellington, and the Gaols at Wellington

and Gisborne, have been extensively altered and added to.

In the Middle Island, about forty buildings have been in course of erection, or been altered or repaired, during the year. The more important of the new works are the Lunatic Asylums near Christchurch and Dunedin, Courthouses and other public offices at Timaru, Invercargill, Christchurch, and Ashburton, and General Post and Telegraph Offices.

REDUCTION IN PUBLIC WORKS STAFF.

A considerable reduction has been effected during the last fifteen months in the staff of the Public Works Department throughout the colony, the number of officers dispensed with being 95, the aggregate of whose salaries amounted to £21,664 annually. Owing to the extent of country over which operations of this department have to be carried on, the staff is still numerous, but during the current year further reductions may be found practicable.

PROPOSALS FOR THE CURRENT YEAR.

My honorable friend, the Colonial Treasurer, was able to place before the House a very gratifying statement of the condition and prospects of the ordinary The improvement he was able to announce will in due finances of the colony. time have its effect on the resources at our disposal for the prosecution of public With regard to the loan expenditure, however, we have now reached the period when the operation of the pledges on the subject of further borrowing, which were required of us in 1879, are to be practically felt, and our expenditure on public works must be less than it has been for some time past. balance remaining of the Public Works Fund on the 31st March last, was £1,860,373; of this sum £645,793 is absorbed by the expenditure between 1st April and 30th June, and by liabilities, irrespective of Native land purchases, outstanding on the latter date. There remains, therefore, but £1,214,580 available for additional public works and for engagements in respect of Native land purchases. For the last-named purpose £87,623 will be required during the current year. and £100,000 should be reserved for further liabilities. When honorable members call to mind that the payments out of the Public Works Fund during the nine months of 1879-80 amounted to £1,750,350, and during 1880-81 to £1,958,351, and when they are aware that, of the expenditure we can now afford, a considerable share must be devoted to the completion of works already in hand, and to the further equipment of railways already being worked, they will not be surprised to learn that we are compelled to disappoint some reasonable expectations, and to postpone, for the present, some important undertakings the value of which is I trust, however, that this limitation of direct Government expenditure will to a considerable extent be compensated for, by the operations of companies availing themselves of the facilities we propose to offer for the construction of railways by the system of land grants.

Our proposed expenditure will, in the course of a day or two, be laid before the House in detail, in the Public Works Estimates. As already stated, a large part of most of the votes to be asked for is required in respect of works, or con-

tracts for works, entered upon under previous authority.

It will also be found that a considerable proportion of the expenditure of the year will be devoted to roads and bridges. This is partly with a view to facilitate settlement on Crown lands, and partly to render justice to those portions of the colony which have benefited but little by railway expenditure.

RAILWAYS.

I now come to the proposed Railway works.

1. Kaipara-Waikato, Auckland-Helensville.—It is proposed to finish the equipment and minor works still necessary on the Kaipara line, of which the last section has just been opened. The vote to be taken will cover all expenditure at present necessary between Auckland and Helensville.

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2. Waikato-Thames.—This vote will cover the cost of the bridge over the Waikato at Hamilton, and continue the line for a great part of the distance towards the Thames at Aroha; it will also provide for the construction of the Thames portion of the line as far as Kopu.

3. Hamilton to Cambridge.—Upon this branch, about thirteen miles in length, it is proposed to break ground. The country is easy, and the line will be much below the average in cost. It will demand little additional plant, and

possesses considerable political as well as commercial importance.

4. Napier-Wellington.—The works towards Tahoraite, on the northern division, will be carried on; and for completing outstanding contracts and engagements as regards the southern division, a considerable sum will be required.

5. Wellington-Foxton.—A small vote is required to wind up accounts on

these works, including payments for land.

- 6. Foxton-New Plymouth.—The vote asked for the northern division of this line will complete the works now in hand. The vote for the southern division will provide for the formation of the line between Waverley and Patea, and from thence to Manutahi. It will also provide for the survey of the unfinished section between Hawera and Patea, and cover outstanding liabilities.
- 7. Nelson-Roundell.—£6,200 will finish the expenditure on the extension of three miles to Belgrove.
- 8. Greymouth to Nelson Creek.—This line is in the direction of Reefton, and is completed as far as Stillwater. It is anticipated that its continuation will form part of the scheme of the Company which is projected for the construction of a line between the East and West Coasts.
- 9. Westport-Ngakawau.—Additional rolling-stock is required for this line, as well as some expenditure for land, and sundry small works.
- 10. Picton-Hurunui.—A vote will be proposed for liabilities and sundry work on the Blenheim extension, and for at length breaking ground on the great trunk line to the south.
- 11. Hurunui-Waitaki and Branches.—It is proposed to complete the extension to Waikari, which has been some time on hand, and to proceed with the short length to the Hurunui.
- 12. Votes will be asked for on account of the branch lines now in progress to Fairlie Creek, Upper Ashburton, and Little River.
- 13. The completion of the junction between the Oxford and Springfield Branches will have valuable economical results, and we propose to push on this work.
- 14. Waitaki-Bluff and Branches.—A considerable vote is asked for works and liabilities on the main line, and on the Duntroon, Ngapara, Port Chalmers, Brighton Road, Outram, and Lawrence Branches.
- 15. Also votes to meet engagements on the Ngapara-Livingstone, Palmerston-Waihemo, Catlin's River, Waipahi-Heriot Burn, and Edendale-Toitois branches, and the Otago Central line.
- 16. For the Southland lines, including the completion of the branch to Otautau and to the Nightcaps Coal Field, and the continuation of the Orepuki line to a point at which it will become useful, a sufficient amount has been placed on the Estimates.

Of the total proposed expenditure on railways, I may inform honorable members that a considerable amount (about £436,000) is to cover outlay during the first quarter of the current year, and liabilities on the 30th June last. There will be only about £580,895 for further expenditure on railways during the remaining nine months of the period 1881–82.

It must not be supposed, however, that the expenditure of the last financial year was in excess of the votes for the year. Those votes amounted to £1,572,000. The expenditure brought to book on the 31st March last (covering the liabilities coming over from the previous year, 1879–80) amounted to £969,165, and this sum, together with the expenditure of the March-June quarter, and the outstanding liabilities on 30th June, amounts to about £1,405,906, or £166,094 within our last year's authority, after an expenditure of five quarters, and provision for all claims existing at the end of that time. The aggregate of the votes now

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to be asked for amounts to a large sum, but the House may depend upon their being carefully husbanded, with due regard to the period over which their

expenditure should be spread.

I have already said that negotiations have been opened with the promoters of companies for carrying out lines from Wellington to Foxton, and from Canterbury to Westland, and that one part of the proposals is a grant of Crown lands by way of subsidy. The Government are assured that subsidies in the form of land-grants would induce capitalists to undertake useful works of this character, which the condition of the Public Works Fund and of the revenue, and the pledges of the colony, preclude the Legislature from proceeding with at Although, with regard to the Otago Central line, no definite proposals have yet reached the Government, I do not doubt that so favourable an opportunity for the employment of private enterprise will be taken advantage of. also, far from improbable that the continuation of the line north of Auckland, which has already been partly surveyed, may, at no distant date, be undertaken on similar conditions. With this view, I shall bring down a Bill authorizing such grants, within limits to be laid down, and under arangements to be subject to the approval of Parliament. This mode of engaging private capital in the development and colonisation of the country, is, as the House will be well aware, no novelty. It has been adopted on the largest scale in the United States, in Canada, and also in Queensland, and with good results. The method of dividing the territory abutting on the proposed lines in alternate blocks, of moderate area, for grants to the railway company and for retention by the State, removes all possibility of the lands being acquired, or advantageously occupied, in very large areas—a danger which in any case would not be serious, since the peopling of the adjoining lands is the most obvious mode of making such railway enterprises profitable.

ROADS.

I continue to bring all our proposals under this head within one view, whatever department may be charged with their execution. But there is a distinction between our other suggestions and those for roads to open Crown lands. The full amount required for the roads of this class, viz., £150,000, will be shown in the Estimates, but it is proposed to extend the construction over three years,

and not to expend more than some £50,000 during the current year.

The total vote asked for roads and bridges, including expenditure in the March-June quarter, and all liabilities to the 30th June, amounts to about £260,000. As in the case of the railway proposals, the Estimates will show the sums proposed to be spent in each provincial district. To enumerate at length the several works proposed to be undertaken and gone on with under this head, would, I fear, weary the Committee. A statement like the present, however, when in print, finds its way more readily to the public then estimates and returns, and may be the means of communicating to a large number of persons, interested in one or other of the projects, information more important to them than that which refers to more costly enterprises. I have therefore given, in a Schedule to be attached to this Statement, a full account of the road-works which we propose, and will now confine myself to a general reference to their character and distribution.

Beginning with the most northerly, and taking them in geographical order, it is proposed to run a road through the fertile region extending from Kawakawa to Okaihau and Victoria Valley; also, to continue the line recently opened between Victoria Valley and Herd's Point on to Kaihu, Wairoa, both by the coastal line vid Maunganui Bluff and the inland line over the Waioku Plateau. In the Counties of Mangonui, Whangarei, Rodney, and Waitemata, there are blocks at present inaccessible which will be opened by cross roads from the main line. In this manner, more than a hundred miles of new road will penetrate the Crown lands lying north of Auckland, which comprise an

area of 1,200,000 acres.

Passing south of Auckland to the Waikato basin, we have two roads penetrating the Awaroa Survey District, from points on the railway system, and a line to open the Huihuitaha Block.

In the Thames District, a very necessary road has at length been obtained

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through the Komata Block, and is now under construction. When it is finished, there will be a summer coach road from the Thames through Te Aroha, Hamilton, and Whatawhata to Raglan.

It is of importance to complete the drainage of Te Aroha Block, and to continue to improve the coastal main line of road from Tauranga to Opotiki and East Cape; also, to follow up the construction of the important line from Cambridge to Rotorua, which, when available for wheeled traffic, will complete a coach road from Wellington to Auckland. Another important section, between Cambridge and Taupo—which will form part of a future main line from Waikato to Hawke's Bay—should not be lost sight of. Sums varying in amount will be asked for these works, as will also a moderate amount to improve a set of roads in the Bay of Plenty, branching inland from the coastal main road. These are, from Matata (Richmond) to Te Teko, and from Whakatane to Te Teko, and its continuation to Galatea, on the edge of the Kaingaroa Plains.

The importance of opening the extensive East Coast District has received much consideration. The road-line from Opotiki to Gisborne has been under construction during the past year; it is very desirable to complete it, and so establish communication between the Bay of Plenty and Poverty Bay. Branching from this road, an inland line has been explored and surveyed to the Valley of Waiapu. Another road is to connect Gisborne with the Waimata Blocks; and that from Gisborne to Wairoa, with branches to Crown lands, requires forming, so as to afford the opportunity of settling a country which, for the present, may be said

to be hermetically sealed from settlement.

Coming to Hawke's Bay, it is proposed to open a road from Wairoa to some considerable areas of Crown lands on the Mohaka, and to assist in the opening of the Puketitiri Bush by a road, the local bodies co-operating. The road-lines through Crown lands, begun in the Seventy-Mile Bush, are to be extended from several points according to demands of settlement.

The Sheep Quarantine Reserve of 59,000 acres, in the south-east corner of Hawke's Bay, being no longer required for that purpose, is to be laid out pre-

paratory to settlement.

In the Taranaki Provincial District, the great success of recent sales is an encouragement to the further opening out of the fertile lands still remaining for disposal there. With this view, road-clearings will continue to be made through the forest lands in the West Coast District.

Coming down the West Coast, to the Wellington Provincial District, and taking the railway line as a base, it is proposed to run cross roads inland from several points to Crown lands. With this view, roads are projected from Waverley to Moumahaki, Wanganui to Tokomaru, and a line to Murimotu (an inland line, originating at Marton); another extending the Kimbolton Road from the borders of the Feilding Settlement through the Waitapu and Otamakapua Blocks; and a line opening out the Pohangina and Fitzherbert Blocks.

The only other works projected on the West Coast of this Island are a line connecting Crown lands now under survey, with Otaki; and the completion of

the bridle-track connecting Waikanae with Mungaroa-Upper Hutt.

In another part of the Wellington District are branch lines, connecting the country between the Hutt and Porirua with the railway-stations; and, in the County of Wairarapa West, cross roads from the Masterton-Woodville coach road to extensive areas of Crown lands in the Pahiatua, Mangaone, Rangitumau, and Mauriceville Blocks.

The northern and western districts of the Middle Island being but scantily provided with railway communication, have a fair claim to a reasonable amount of expenditure on the construction of main lines of road and necessary bridges. Our proposals are framed accordingly. Commencing at Cook Strait, there are three arterial lines of communication which require opening up or completing: (1.) The road along the East Coast from Blenheim, by Kaikoura and the Greenhills, to the Waiau Township. (2.) A road through the middle of the Island, from Nelson, by the Upper Wairau, Acheron, and Upper Clarence, to the Hanmer Plains; and (3.) From Nelson, by the Hope and Buller Valleys to Westport and Greymouth. Another important line is the main road from Blenheim, Picton, and Havelock, by the Pelorus and Rai Valleys, to Nelson, which will render available a considerable tract of valuable timber land in the Rai Valley.

As shown by the Estimates, and the detailed statements which will be laid before you, it is also proposed to open up communication by means of roads and tracks with all the outlying districts in the Island where settlement is going on. The principal works of this kind not included in the main roads just mentioned are as follow:—In the Provincial District of Marlborough—Awatere Shearing Reserve. In Nelson—Aorere Valley, Wakefield to Stanley Brook, Matakitaki to Maruia Valley, Grey Valley to Teremakau, Cobden to Seventeen-Mile Diggings. In Westland and Canterbury—Dillman's Town to Christchurch Road, Upper Ashley Valley. In Otago—Hindon, Beaumont to Miller's Flat, Mount Benger, Greenvale, Seaward Forest; and a large number of roads to open up runs, the leases of which will shortly fall in, and which will be available for settlement.

The expenditure for giving effect to the proposals for opening up Crown lands will, as already stated, be spread over a period of three years; it is intended that it should be commenced without delay. If Parliament agrees to place at our disposal the funds necessary for carrying out these works, there can be no doubt that the result will be important and satisfactory progress in the work of

settling the waste lands of the colony.

HARBOUR WORKS.

Greymouth.—There can be no doubt that the condition and effects of the works at the mouth of the Grey River, and the importance of the coal deposits of the district, warrant and call for the necessary expenditure for continuing

the operations advised by Sir John Coode.

Westport.—I ask also for a vote for experimental works at Westport, which will probably be found necessary, and the erection of which may be justified by reasons of the same class as those relating to the operations at Greymouth. The River Buller, though a third-rate port, is already the most accessible one on the West Coast, and cautious experiments in the way of directing the land-floods, which are the worst features of the port, may do something towards developing the coal fields, which have a special and valuable character.

LIGHTHOUSES.

The recent melancholy loss of life in Foveaux Strait has brought home to us the urgent necessity which exists for an additional light in that locality. Instructions have been given to have the neighbourhood of Waipapapa and Slope Points carefully examined, for the purpose of determining the precise site which should be adopted. A vote is proposed for the erection of the lighthouse, and steps will at once be taken to procure suitable apparatus.

The light and apparatus which have for some time been in store at Auckland, for erection on one of the islands, as a guide to the entrance of the Hauraki Gulf, will now be utilized for that object; and the necessary vote will be found in the

Estimates

Small sums will also be asked for the erection of leading lights, already in store, at the entrance of Tory Channel, and for placing a substantial beacon in the French Pass.

WATERWORKS ON GOLD FIELDS.

The Kumara Sludge-channel will be finished, and it is proposed to augment the water supply by the construction of another reservoir in the Kapitea Valley.

It is intended to make a diversion of the Argyle Water-race near its head, and to substitute a tunnel for the open race and fluming, which at this place are

very costly to maintain.

The Mikonui Water-race, in its entirety, involves such an exceedingly large outlay, that the Government are unable to proceed at present with the general scheme. They propose to have further inquiries instituted as to the benefits to be derived from the work, and as to whether some less costly provision is not practicable. The section in hand between Ross and Donelly Creek will be finished, as it will eventually be of some service in working the higher levels of auriferous ground.

PUBLIC BUILDINGS.

Further expenditure is desirable for the purpose of providing in several parts of the colony proper accommodation for the transaction of public business. This expenditure is, however, of a character which, in view of the present position of

the Public Works Fund, will have to be deferred, in all but urgent cases. With the exception, therefore, of additional school-buildings, for which a less sum is asked than last year, and of increased accommodation in some of the Lunatic Asylums, votes will only be asked to meet a few pressing cases where, for some time past, the public service has seriously suffered for want of proper office accommodation.

IMMIGRATION.

Operations under this head have been almost suspended during the past year. The state of the labour market is still such that we should not be justified in attempting to renew a large assisted immigration. Believing, however, as we do, that a considerable addition to the population of New Zealand is as necessary for the development of its resources as for the prosperity of those who are now settled within its borders, we look forward to being able at no distant date to again afford facilities for the introduction of suitable immigrants. But, at present, circumstances do not permit us to do more than to assist a number of persons who have been to some degree surprised by the suspension of subsidized immigration, and to extend this assistance to a very limited number of single women, and of nominated immigrants who are anxious to join their relations in the colony. The Government look on State immigration operations as involving a higher degree of moral responsibility than, perhaps, any other with which they are charged. The vote asked for, including a minimum staff in the colony and in England, and the maintenance of buildings, is £24,973.

Before concluding, Sir, it will probably be expected, in a statement coming after the budget of my honorable colleague the Colonial Treasurer, that I should, to some extent, develop the idea under which he asked the House to model the finance of the colony. I refer, of course, to the suggestion for continuing the construction of the public works which have occupied our attention during the The Government are quite agreed in the view taken by my last ten years. honorable colleague of the immediate financial prospects of the colony, and they are not disposed to leave it a mere declaration of opinion. Watching the financial progress of the country with constant attention, and noting every political indication in the North that may have a bearing on the subject, they will occupy themselves early and seriously with the study of plans for completing the great works in which the colony is so deeply interested. The character of the proposals to be made on the meeting of the next Parliament must depend to a great degree on the financial experiences of the current year. But I wish now to affirm a few principles which will be observed in our propositions, should we be honored with the continued confidence of the country, and should our finance, as we anticipate, justify our immediate forward movement. Firstly, we shall make our proposals as Ministers of the whole colony, although not neglecting the claims, needs, and prospects of any one of its varied districts. Secondly, we shall ask the Legislature to define its future undertakings with all possible precision, and to give the fullest guarantee in its power that the undertakings so defined shall be faithfully carried out. Thirdly, we shall ask that future borrowing operations be limited strictly in amount by the calculable prospects of the country, and that borrowed money be employed only for works which give reasonable promise of being remunerative within such a period as is consistent with sound finance.

There are indications of a great and early change in the prospects of New Zealand, and especially of the northern districts—signs that one long-standing obstacle to their progress is about to disappear. There are few parts of this favoured land of which we may not rationally hope, not to say calculate, that their special advantages of climate or soil, accessibility, mineral or other wealth, will in due time make them populous and prosperous. It is the interest of all to open every part of the land to enterprise and industry; and, in asking authority to make the expenditure out of the Public Works Fund necessary for the study of the works to be undertaken, we hope in the early future, we are asking the Legislature to act in a hearty national spirit—to resolve that the waste spaces shall be developed—that a yet wider field shall be opened for our children, as well as for a multitude of our countrymen and race in this land, unsurpassed for its climate, its soil, and the variety of its resources.

SCHEDULE OF PROPOSED ROAD WORKS REFERRED TO IN THE PUBLIC WORKS STATEMENT.

NORTHERN PENINSULA, AUCKLAND.

1. General.—The Legislature in its last and previous session took into special consideration the condition of the long peninsula north of Auckland, as having received little advantage from the expenditure of the Public Works Fund, and as being unlikely for many years to enjoy railway communication. The greater part of the vote then granted has been expended or contracted for, but renewed authority is wanted for £22,877 4s. 1d., most of which is for the expenditure of the last quarter, April–June, and the liabilities on the 30th June.

2. Kaihu to Kaikohe Bridle-track.—A further expenditure is proposed within the peninsula for a bridle road to connect the basin of the Wairoa (Kaipara) with Hokianga and the Bay of Islands; length about twenty-five miles; opening 100,000 acres of somewhat rugged but fairly fertile lands of the Crown.

- 3. Mangonui Homestead Blocks.—In the same district are proposed short roads to four blocks in part occupied on the Auckland homestead system, and opening 8,000 acres. It is proposed that the County of Mangonui should share the work with the colony.
- 4. Pakiri Block.—To connect Crown lands with road constructed by County of Rodney.
 - 5. Wairua to Sandy Bay. Cross-roads opening up homestead blocks.
 - 6. Wairua to Helena Bay.—Cross-roads opening up homestead blocks.
- 7. Whangarei through Taheke Block.—To open up Crown lands at present inaccessible.
- 8. Purua.—8,000 acres surveyed. Bridge required over Wairua River, to connect block with district roads.
 - 9. Tangihua Blocks.—To open connection with district roads.
- 10. Kaihu to Maunganui Bluff.—Opens about 8,000 acres of good land, and is the outlet of a large district.
 - 11. Takahue to Manganuiowai.—Principally liabilities in respect of work done.
 - 12. Takahue to Herd's Point.—Principally liabilities in respect of work done.
- 13. Okaihau to Victoria Valley.—Will open out large extent of Crown lands in the centre of Hokianga County.
- 14. Bridge over Kaipara, near Helensville.—A block of 4,000 acres of Crown lands, on the opposite side of the Kaipara River to Helensville, and close to the township, is for the moment inaccessible, and cut off from occupation by the tidal river. The land is rich, partly swampy, and when the bridge is determined on, will sell at good prices. It is estimated that the value will be raised by 20s. to 30s. per acre by the construction of this bridge.

SOUTH OF AUCKLAND.

- 15. Waikato to Block XVI., Awaroa.—Will open 20,000 acres of land suitable for settlement.
- 16. Waikato to Block VII., Awaroa.—Will open 20,000 acres of land suitable for settlement
- 17. Hikutaia to Ohinemuri by Komata (Thames).—This is the completion of the main road-line from Thames to Ohinemuri. Its construction has hitherto been opposed by Tukukino.
- 18. Tauranga to Te Puke and Pukeroa.—To open out Crown lands recently acquired.
- 19. Opotiki.—A vote of £480 has already been twice taken for this road, but not expended. It is intended for opening the purchased blocks inland of Opotiki.
- 20. Opotiki to Ormond.—This road has been begun at the ends by the Public Works and Crown Lands Departments. The country to be crossed is

rugged, and contains 121,000 acres of Crown lands. A small block of 2,700 acres is already under survey. This is the only land along this line in the hands of the colony, suitable for small holdings; the rest is principally forest and rough pasture. The value of the road, politically speaking, cannot be over-estimated, connecting, as the track does already, though imperfectly, the Bay of Plenty with Poverty Bay, and crossing the Uriwera country, which during every Native disturbance has furnished sympathizers with the malcontents, and a shelter for them.

21. Te Aroha Drainage—To complete works already entered on.

22. Waikato-Taupo.—Cambridge to Taupo: Part of the main road, which must one day connect Hawke's Bay with Waikato and Auckland. Passing through the basin of the Upper Waikato, its construction will furnish the opportunity of making, at little cost, preliminary studies for the northern trunk line of railway. Napier to Cambridge: £1,000 is asked for the year; the length is about seventy miles.

23. Cambridge to Tauranga.—Passing close to the famed Patetere Block, this

road is intended to give access from Tauranga to the Waikato Railway.

24. Cambridge to Rotorua.—A bridle-road already exists on this line, which it is proposed to improve and render passable for vehicles. It will bring the Hot Lakes country into connection with the Waikato Railway. The length is about fifty-five miles, of which thirty-one and a half miles are either finished or in construction.

- 25. Tauranga to Opotiki and East Cape, by Coast.—An important road in a political sense, uniting the coast settlements and the principal places of Native tribes, the most important groups of whom have been actively loyal. It is now used as a bridle-track, though an imperfect one, and the vote asked will improve it throughout where necessary, and make it in some parts fit for dray-traffic. The County Council of Whakatane has co-operated in forming the road within its limits, and will be asked to continue its co-operation.
- 26. Whakatane-Te Teko.—Part of the road from the Bay of Plenty to Taupo by the Rangitaheke Valley, crossing a large swamp, portion of which requires fascining to render the line passable for drays; total length, thirteen miles and a-half.

27. Matata-Te Teko.—A branch from the main road last mentioned, crossing the Tarawera River at Otakiri to the Township of Richmond, already open as a bridle-road; needs some considerable expenditure to make it available for drays.

- 28. Te Teko-Galatea.—A section, thirty-three miles long, of the road by the Rangitaheke Valley to Taupo, formed imperfectly by the Armed Constabulary, and bridged last year. It requires additional work fully to utilize the past expenditure and make it a dray-road. Galatea is a first-rate strategical point on the edge of the Kaingaroa Plain, Taupo, and commanding the track from Wairoa (Hawke's Bay) and Waikari Lake and Ahikereru in the Uriwera country to Taupo, as well as the settlements in the Bay of Plenty.
- 29. Huihuitaha, Patetere. To provide access to Crown lands recently acquired, and now being surveyed for settlement.
- 30. Ruakituri.—To open 40,000 acres Crown lands, situate twenty-five miles north of Wairoa, Hawke's Bay.

EAST COAST.

31. Ormond to Waiapu.—On the East Coast, it is proposed to connect Waiapu, near East Cape, the chief seat of the friendly Ngatiporou, with Poverty Bay. The road would open about 100,000 acres of Crown lands. The best lands, some very good, are held by Natives. The country is rugged, but a good grade is everywhere obtainable. The distance is about ninety miles. The road has a considerable political value, but the country is not likely to be early settled.

32. Gisborne to Waimata Block.—The block to be opened by this road contains 28,000 acres. It is proposed at once to survey 10,000 acres, including a village site,—the level land in lots of 50 to 100 acres, the hills in lots of 500 to

1,000 acres. The length of the road will be about eighteen miles.

33. Gisborne to Wairoa.—This line, which should be opened if for political reasons alone, would render available about 90,000 acres of Crown lands. Its

length would be about fifty-five miles. It crosses little or no land inviting for small settlers, but there is much that would probably sell in 500 to 1,000-acre blocks. The Waihau Block, 13,800 acres, about half-way between the extremities, should be opened first. It contains good timber and a site or sites for mills. A vote has already been taken for the work, but, Cook County and Wairoa County having failed to contribute, it was not expended.

TARANAKI.

- 34. Roads behind Waimate Plains, and Cross Roads, Parihaka.—The forest lands behind the Waimate Plains are very good, and fetch high prices. The construction of roads through them would promote the sale and settlement of 90,000 acres
- 35. Roads East of Stratford, and Mountain Road.—A vote for this group of roads was given in 1879–80, but £2,000 lapsed. A very large area of good bush land would be rendered accessible by the proposed expenditure.

HAWKE'S BAY.

- 36. Road.—To open the Puketitiri Block of 11,000 acres, thirty miles distant from Napier; 3,000 bush, 8,000 pastoral.
 - 37. To open Rotokakainga Block, on the Mohaka River; area, 16,500 acres.
- 38. Extension of Roads in Seventy-Mile Bush.—To open Puketoi Block, and other forest lands in Tahoraite, Ngamoko, and Ahuaturanga.
 - 39. Tutane Bush.—To open 59,000 acres, known as Quarantine Reserve.

WELLINGTON.

- 40. Roads.—To open Pahiatua and Mangaone Blocks in Seventy-Mile Bush, near Manawatu Ferry, and Crown lands adjacent to Mauriceville. £7,600 has already been spent on these roads, through the County Council of Wairarapa West, and has opened one-fourth of the Crown lands. The blocks are surveyed, but, for want of access, not half has been offered for sale; area, 60,000 acres.
 - 41. Repairs to Fitzherbert Bridge, Palmerston.
 - 42. Roads through Fitzherbert Block.—7,000 acres surveyed.
- 43. Roads.—To open Block XIII., Akatarawa, and the adjacent Crown lands between the Hutt and Porirua. Money has already been spent on these roads, through the Hutt County Council. The lands will probably sell well, although broken. The area to be improved includes about 5,000 acres of Crown lands, which the road will connect with the railway.
- 44. Roads. Through the Kukutauaki Block, opening 5,000 acres near Otaki, along the new line of inland road selected by the County Council.
- 45. Continuation of Kimbolton Road.—Through Otamakapua Block, Manawatu County. The works will consist of felling 1 chain wide, and clearing 16 feet wide.
- 46. Roads.—To open Crown lands on the Pohangina River, between it and the Ruahine Mountains. The lands adjoin the reserve for the endowment of the Wanganui Harbour Board, now being improved by opening road-lines at the expense of that body.
- 47. Roads.—To open the Momahaki Block, of 7,000 acres of excellent land, mostly bush, already surveyed in sections, but cut off from the main road and railway-line by the deep valley of the Momahaki Stream. The sales were interrupted two years ago by threats of Natives, but the land would now find purchasers.
- 48. Roads.—To open the Tokomaru Block, inland of Wanganui and Kai Iwi, which contains 18,000 acres, and touches the River Wanganui about twelve miles above the town. The land is of good quality, though broken, and we are assured, on good local authority, 4,000 or 5,000 acres would be at once taken up were it rendered accessible. Surveys are begun.
 - 49. Wanganui to Murimotu.—To give access to interior.
 - 50. Marton, inland.—To give access to interior.
- 51. Mungaroa to Waikanae.—To open connection between Upper Hutt and coast.

XIX D.—1.

52. Rangitumau Block.—To improve connection between Masterton and Crown lands in this block.

NELSON.

- 53. Great South Road, Nelson and Upper Wairau to Canterbury.—This proposal is for the completion of the road throughout. It includes improvement in the Ten-Mile Bush, the Wairau Gorge, and the Acheron Valley, and bridges over the Clarence and the Waiau-ua Rivers.
- 54. Nelson and West Coast Road.—It is necessary, for the complete utility of this road, to bridge the Owen, Matiri, Waituhu, and Little Grey rivers, and to make some less important improvements. A part only of this work can be completed during the present year.

55. Cobden to Seventeen-Mile Diggings.—A road through Coal Creek, opening Crown lands near Point Elizabeth, and giving access to the Seventeen-Mile Beach Diggings. It will open other level country, partly private lands, and partly the

property of the Crown.
56. Hampden-Matakitaki to Walker's Station, Maruia.—To open a track through a large extent of Crown lands.

57. Grey Valley to Teremakau, viá Bell Hill and Bruce's Paddock.—Will open about 40,000 acres of level Crown lands, part known to be auriferous.

58. Wakefield to Stanley Brook, viá Pigeon Valley.—Will open out several thousand acres of Crown lands in Motueka Valley.

59. Aorere Valley Road.—To extend road to open country, Gouland Downs. Will be suitable for cattle, and is known to be auriferous.

MARLBOROUGH.

60. Road, Blenheim to Nelson.—The continuation of the Pelorus Valley Road through the Rai Valley, to join the Wakapuaka-Nelson Road, and the completion of the existing Pelorus Valley Road.

61. East Coast Road.—To complete communication between Blenheim, Kaikoura, and the South. Votes are proposed for the Lower Clarence Bridge, and the improvement of the road between Kaikoura and the Waiau township.

62. Awatere Shearing Reserve.—This will open 12,000 acres, which, under an Act passed in 1879, will be disposed of as soon as the road is constructed. vote will be refunded from sale of land.

WESTLAND.

63. Greymouth to Okarito, and southwards towards Jackson's Bay.—This line forms part of the main road to Jackson's Bay. The road is formed as far as Lake Mapourika. A horse or dray-track branches off to Okarito, whence it follows the beach, and the inland formation is resumed at Mahitahi. asked for are to continue the permanent road south of Okarito, and to extend the pack-horse-track from Lake Mapourika to Gillespie's Beach.

64. Paringa Road to Haast River.—The proposed votes will extend the road to Waita, six miles from the Haast River, by a good beach, and improve the Haast Pass Track. The line is important, both on account of the gold and minerals of the district, and would complete the bridle-track from Westland to

Otago.

65. Minor Road-works, County of Westland.—These are mainly for the road, Dilman's Town to Christchurch Road, and various unimportant works on existing The Dillman's Town route runs through some very good timber land, and will promote settlement along the line; its length is five miles.

CANTERBURY.

66. Road in Upper Ashley Valley.—This line runs over the Kuku Pass to Waipara Valley, and thence through back country to Upper Ashley.

OTAGO.

67. Waikari-Waitati Road.—It is proposed to complete the formation of this road, a work began by the Provincial Government of Otago.

68. Hindon to Village Settlement.—This village site, 430 acres in area, is divided in sections from 10 to 20 acres. It is between a mile and a-half and two miles and a-half from Hindon.

69. Beaumont to Miller's Flat.—Following the east bank of the Clutha River, and opening Run No. 170, the lease of which falls in in 1883. The run could be divided into eight or ten small holdings, which in this country would certainly be taken up if the proposed road is constructed.

70. Road through Gorge in Mount Benger Survey District.—This road would open Blocks VIII. and X. and the back part of Run No. 200, which admits of

advantageous division.

71. Road.—To open Run No. 106, the lease of which expires in 1882. 5,000 acres of it is good though broken land, and can be surveyed into sections for small settlers.

72. Kelso to Block XIII., Greenvale.—4,000 acres of Crown land have been sold on deferred payment recently. It is situated at a distance of four miles from Kelso Railway-station. Other 10,000 acres behind the block will come into the market in 1883, on the expiration of the present lease.

73. Tapanui Railway-station to South Part of Run No. 140.—The lease of Run No. 140 expires in March, 1883. Of this land, 8,000 acres have been set aside for settlement, and will be surveyed in sections from 300 to 1,500 acres. The soil is good, but the gullies intersecting it require its division into large sections.

74. Roads to open out Crown Lands in Otago and Southland Runs.—These runs have to be dealt with before March, 1883, and, to facilitate subdivision, formation of roads and tracks is required.

SOUTHLAND.

- 75. Roads.—To open Seaward Forest and coast line. They will bring into the market 40,000 acres of level land—dry, mossy, swampy, or bush. A vote of £3,000 has been employed in opening five miles of these roads and cutting outfall drains, and the extension of works is still going on. During the works 1,200 acres have been surveyed, sold, and occupied. The Land Board asks for the survey of 1,000 acres more. The vote asked will extend the road to the beach, making a continuous road from Toitois to Invercargill. A block of 10,000 acres formerly surveyed, at Waituna, requires roads and drains before it can be advantageously disposed of. It is proposed to open a road-line from Bay Bush to Waituna.
- 76. Forest Hill Tramway.—To open 7,000 acres of Crown lands. The tramway leaves Winton and runs eastward six miles; it will possibly at some future time form a portion of a railway connecting the Invercargill-Kingston line at Winton with the main trunk line at Mataura.

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TABLE No. 1.

SUMMARY showing the Tolal Expenditure on Public Works, out of Immigration and Public Works Loan, to 31st March, 1881, and the Liabilities on that date

Works,	Railways. Roads. Payments to Road Boards. Coal exploration and mine development. Water supply on gold fields. Miscellaneous public works. Aiding works on Thames Gold Fields. Fields. Public buildings. Lighthouses. Departmental. Totals.
Total Expenditure and Liabilities.	429,093 8 4 9,866,238 17 6 74,411 2 5 1,057,734 17 7 6 225,000 0 0 11,029 17 8 458,536 8 7 150,000 0 0 1,500 0 0 0 1,500 0 0 0 0 1,500 0 0 0 0 1,500 0 0 0 0 1,500 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Liabilities, Authorities, Gon- tracts, &c., 31st March, 1881.	
Total Expenditure to 31st March, 1881.	8,460,210 17 2 976,934 12 0 9437,145 9 2 2 83,572 13 5 179,599 15 9 933,323 9 2 225,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Expenditure during 12 Months ended 31st March, 1891.	\$\frac{\pi}{976,934}\$ 12 \\ 179,599 15 \\ \tag{17}\$ \tag{17}\$ \tag{17}\$ \tag{17}\$ \tag{17}\$ \tag{17}\$ \tag{17}\$ \tag{18}\$ \tag{18}\$ \tag{265,733}\$ 14 \\ 265,733}\$ 14 \\ 265,733}\$ \\ \frac{\pi}{13,772}\$ \\ \frac{\pi}{13,772}\$ \tag{13}\$ \\ \frac{\pi}{13,772}\$ \tag{14}\$ \\ \frac{\pi}{13,772}\$ \tag{14}\$ \\ \frac{\pi}{13,742}\$ \tag{14}\$ \tag{17}\$
Total Expenditure to 31st March, 1880.	8, 460,210 17 5 833,723 13 5 225,000 0 0 10,835 8 0 430,909 17 0 444,928 5 7 50,000 0 0 367,265 8 11 652,019 10 7 85,203 3 9 143,570 8 3
Expenditure recovered to the Amounts since 31st March, 1890 (see last year's Table but which are for No. 1). Prior to that date.	d. 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Expenditure to 31st March 1830 (see last year's Tabl	80,495,074 6 2* 34,863 9 80,3897 9 2 173 15 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16
Works.	Railways Roads Payments to Road Boards Coal exploration and mine development. Waler supply on gold fields Miscellancous public works Aiding works on Thames Gold Fields Fields Public buildings Lighthouses Departmental
Number of Table containing Details.	2 111 of 1877 10 of 1878 7 8 11 of 1877 10

* This amount does not include the expenditure on railways of the late Provinces of Canterbury and Otago, which were ralued at £731,759 and £372,522 respectively, and were not paid for out of Immigration and Public Works Loan, but were taken in reduction of the provincial debts. For particulars see foot-note on Table No. 2.

† If the amount ‡£13,772 13s. 8d. (Departmental) be deducted from this sum, and £57,837 5s. 7d. Land Purchases expenditure be added, it will leave £1,568,710 8s. 3d., which will be found to agree with the audited statement of Expenditure on Public Works (vide Appendix A). # Includes £113 12s. unauthorised expenditure.

W. A. Thomas, Accountant, Public Works.

TABLE No. 2.

STATEMENT showing the Total Expenditure on Railways, out of Immigration and Public Works Loan, to 31st March, 1881, and the Liabilities on that Date.

Lines of Railway.	Total Net Expenditure to 31st March, 1880, as per Table No. 3.	Expenditure during 12 Months ended 31st March, 1881.	Total Net Expenditure to 31st March, 1881, as per Table No. 3.	Liabilities on Authorities, Contracts, &c., 31st March, 1881, as per Table No. 4.	Total Expenditure and Liabilities.
NORTH ISLAND (as per parti-	£ s. d. 3,155,059 9 7	•	£ s. d. 3,572,609 11 7	£ s. d. 208,544 18 4	£ s. d. 3,781,154 9 11
culars below) MIDDLE ISLAND (as per parti-	5,304,315 14 3		5,863,700 4 3	220,548 10 0	6,084,248 14 3
culars below) Miscellaneous Surveys Unapportionable	470 17 11 364 15 5	1	470 17 11 364 15 5	***	470 17 11 364 15 5
Total	8,460,210 17 2	·	9,437,145 9 2	429,093 8 4	9,866,238 17 6
NORTH ISLAND.					
Kawakawa	28,410 19 1		42,695 7 2	25,162 2 7	67,857 9 9
Whangarei to Kamo Kaipara to Waikato	3,434 19 7 1,014,249 14 6		32,923 17 1 1,081,646 10 4	7,082 9 3 60,516 16 8	40,006 6 4
Waîkato to Thames—	1,014,249 14 0	07,390 15 10	1	00,510 10 0	1,142,103 / 0
Hamilton to Te Aroha Te Aroha to Thames	6,055 19 3 17,268 1 8		51,520 11 2 39,538 0 7	12,823 9 9 6,656 2 7	64,344 O 11 46,194 3 2
Branch to Hamilton	4,000 3 6		4,832 5 0	105 0 0	4,937 5 0
Wellington to Napier— Napier to Woodville	105 107 73			6000 0 0	
Wellington to Woodville	435,431 15 1	58.258 2 11	458,964 8 7	6,079 9 7 17,994 19 8	465,043 18 2
Greytown Branch	5 708,777 9 11	2,840 13 7	} 769,976 7 5	1,029 7 9	} 789,000 14 10
Wellington to Foxton— Wellington to Johnsonville	25 720 0 1	7,077 19 4	,	150 12 9)
Johnsonville to Foxton	25,729 0 1	7,077 19 4	43,364 0 8	6,682 18 11	50,197 12 4
Foxton to New Plymouth—	_	.6	_		
Foxton to Carlyle Greatford to Bull's	690,376 19 1	76,777 15 0	} 767,406 I 4	41,422 2 4	808,900 5 8
Taionui Branch)	251 7 3)	72 2 0)
Carlyle to Waitara	211,368 12 4	56,753 12 11	268,122 5 3	22,767 4 6	290,889 9 9
Total	3,145,103 14 1	415,886 0 6	3,560,989 14 7	208,544 18 4	3,769,534 12 11
PRELIMINARY SURVEYS:— Thames to Waikato	1,577 8 11		1,577 8 11		1,577 8 11
Mercer to Cambridge	1,577 8 11 528 17 3	•••	1,577 8 11 528 17 3	***	1,577 8 11 528 17 3
Cambridge to Taupo	346 4 I		346 4 1		346 4 I
Masterton to Woodville Hutt to Waikanae	276 10 11 1,717 16 5		276 10 11 1,717 16 5		276 10 11 1,717 16 5
Tokano to Napier	20 16 0		20 16 0		20 16 0
Waipukurau to Gorge Waitara to Waitotara	3,179 11 0 87 10 0	l I	3,179 11 0 265 5 7		3,179 11 0 265 5 7
Mountain Road to Opunake	1,220 6 2	1	1,818 16 8		1,818 16 8
Wellington to Foxton	69 1 7	¹	69 1 7		69 1 7
Normanby to Hawera Whangarei to Kawakawa	29 3 4 46 16 0		29 3 4 46 16 0	•••	29 3 4 46 16 0
Napier to Wallingford	367 18 10		367 18 10		367 18 10
Auckland to Whangarei Foxton to Carlyle	431 10 0 56 5 0	160 17 8	1,002 4 3 245 16 8	•••	1,002 4 3 245 16 8
Bunnythorpe to Woodville	50 5	127 9 6	127 9 6	•••	127 9 6
Total, North Island	2 155 050 0 7	·		208,544 18 4	3,781,154 9 11
	3,155,059 9 7	417,550 2 0	3,572,009 11 7		3,701,154 9 11
MIDDLE ISLAND.	Ì				
Nelson to Greymouth— Nelson to Roundell	139,037 15 9	8,884 0 10	147,921 16 7	2,905 15 10	150,827 12 5
Greymouth to Nelson Creek,		14,081 18 0) "	4,489 13 10)
construction Greymouth Harbour Works	207,397 18 5	20 515 10 1	241,997 15 6	2 121 10 4	249,608 19 8
Greymouth to Hokitika	14,596 3 3	20,517 19 1 7,412 18 7	22,000 1 10	3,121 10 4 454 14 10	22,463 16 8
Westport to Ngakawau	209,360 5 4		211,709 5 5	2,506 19 1	214,216 4 6
Picton to Hurunui— Picton to Blenheim	172,832 5 0	16,946 2 6	189,778 7 6	156 8 2	189,934 15 8
Blenheim to Awatere					
Hurunui to Waitaki— Railway Protective Works,				7.110 4.11	`
Rakaia Rotective Works,	***	•••	***	7,119 4 11	
Main Line		89,975 15 7	.	29,979 14 2	
Oxford Branch Eyreton Branch		50 17 0 25 0 0]	300 0 0	
Lyttelton Branch		6,072 9 10]	2,938 1 8	1,835,449 9 4
Southbridge Branch Springfield Branch	1,692,551 9 10		1	267 0 0	
Whitecliffs Branch		2,588 7 7		230 II 7 365 0 0	
Opawa Branch		1,827 15 9		715 7 6	J
Waimate Branch	7	50 0 0	J		
Carried forward	2,435,775 17 7	171,174 18 9	2,606,950 16 4	55,550 1 11	2,662,500 18 3

TABLE No. 2—continued STATEMENT showing the Total Expenditure and Liabilities on Railways—continued.

	as per Table No		,	Expenditur during 12 Mor ended 31st March, 1	aths	Net Expend to 31st March, as per Table No	1881,	Liabiliti Author Contracts 31st Marcl as po Table N	ities, s, &c., h, 1881, e r	Total Expendit and Liabilitie	ure	
Brought forward	£ 2,435,775	s. 17	d. 7	£ s. 171,174 18	d.	£ 2,606,950	s. d 16 4		s. d		в. 18	d. 3
MIDDLE ISLAND—continued												
Hurunui to Waitaki—continued Main line to Upper Ashburton Little River to Akaroa Washdyke to Opawa Canterbury Interior Main Line—	8,984	15	5 3 0	11,006 14	ΙÓ	23,355	10 1	4,492	2 4	1 0,,,,,,	12	5
Oxford to Malvern	2,245		7	9,865 16		12,111	10 0	1,760	13 1	13,872	3	1
Whitecliffs to Rakaia Temuka to Rangitata	3,601		6 8				4 4	314	14 0	5,715	ı	0
Waitaki to Bluff—												
Duntroon Branch Ngapara Branch Port Chalmers Branch Brighton Road Branch	2,370,986	10	11	124,761 16 1,023 19 2,342 11 12,145 19 6 6	5 5		6 0	92,623 856 4,274 3,376	8 1 14 2 3 0	2,613,287	6	11
Outram Branch Lawrence Ngapara Branch to Livingstone	-6.884		6	 137 1	2			639	0 1			
Palmerston to Waihemo	5,474	2	6 4	14,385 0 2,582 3	•	31,267 8,056				32,391		3
Main line to Catlin's River Waipahi to Heriot Burn	4,489	9 6	5 10	3,151 15 63,958 9			4 6 16 3	, ,,,		1 222	5	5
Edendale to Toitois Otago Central—	7,880		6		10	10,662			17			
Chain Hills to Taieri Lake Invercargill to Kingston—	50,314	-	1	53,849 1					15 11	124,240	6	5
Main line Lumsden to Mararoa Western Railways—	239,215 2,245			7,574 °			9 0		* 2	()		
Makarewa to Riverton Riverton Branch to Otatau Riverton to Orepuki	89,078	7	0	11,195 16 11,975 6 7,604 15	3	_	5 0	2,010 9,345 7,278	19	138,488	13	8
Otautau to Nightcaps Purchase of wagons	3,651	3	5	6,665 10	2	10,316		1,790		1-		-
Total	5,263,227	10	5	553,279 8	3 0	5,816,506	18 8	220,142	3 4	6,036,649	1	9
PRELIMINARY SURVEYS:— Foxhill to Brunner Foxhill southwards Greymouth to Christchurch Greymouth to Hokitika Hokitika to Christchurch Hokitika to Malvern Hokitika Office Greymouth to Amberley Amberley to Hurunui Hurunui to Blenheim Ashburton to Alford Forest Waimate to Hakateramea Duntroon to Hakateramea Orari to Hilton viá Geraldine Whitecliffs to Rakaia Gorge Albury to Fairlie Creek Oamaru to Waiareka Waiareka to Livingstone Dunedin to Moeraki	2 29 207 1,435 302	0 9 16 0 0 2 7 12 2 2 0 11 12 6 6	7 10 0	342 18 1,895 14 320 18	ļ 2	2,693 2,763 34 468 1,200 10,783 576 1,047 229 207 1,435 302	10 0 14 11 9 8 16 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	76 	5 1	2,763 34 468 1,200 10,783 576 1,123 229 207 1,435 302 218	10 8 9 16 0 0 2 7 16 2 2 0 11 12 3 6	0 4 8 8 8 3 0 0 I III 7 10 0 2 10 6 9 6
Clutha to Mataura Tairei viâ Strath-Taieri to Clyde	5,35 ²	9	6 3	•••		5,35 ²	96			5,35 ²	9	6
Taieri River vid Brighton Green Island Extension Clutha River Survey Waipahi to Cronwell Waipahi to Waikaka Riverton to Orepuki Gore to Elbow Otautau to Waiau and Night-	3 93 0 100 655 807 1,177 800	2 18 0 0 9 18	0 6 0 7 1 2	 377 12 156 5 	0	100 1,032	13 1 14 1 18 2	177	7 10	100	18 0 0 14 18	0 6 0 11 1 2
caps Lyttelton Station-ground Lumsden to Mararoa Edendale to Fortrose Edendale to Toitois Glen Tunnel to Rakaia Gorge	432	13 12	6 6 7 8	·	_	40 688 48 747 32	19 2 13 6		11 9	40 688 48 767	0 19	0 2 6
Carried forward	5,299,845	15	9	556,985 4	3	5,856,831	0 0	220,514	18 81	6,077,345	18	8

TABLE No. 2—continued. STATEMENT showing the Total Expenditure and Liabilities on Railways—continued.

CALLED TELL BOOKING	,											~	00		
Lines of Railway.	Total Net Expen to 31st March as per Table No	Expenditure during 12 Months ended 31st March, 1881.			Total Net Expenditure to 31st March, 1881, as per Table No. 3.			Liabilities on Authorities, Contracts, &c., 31st March, 1881, as per Table No. 4.			Total Expenditure and Liabilities.				
Brought forward	£ 5,299,845	s. 15		1	s. 4		£ 5,856,831	s. 0	d.	£ 220,514		d. 8	£ 6,077,345	s. 18	d. 8
MIDDLE ISLAND—continued												Ì			
PRELIMINARY SURVEYS-contd.												1			
Malvern Branch	6	12	8				6	12	8			- 1	6	12	8
Oxford to Malvern	,	16						16	٥					16	o
Aorere Tramway	i e	15					5	15	0			1			c
Little River to Akaroa	262		4				262		4			1	262		4
Malvern Ferry Bridge		16						16	ò					16	Ġ
Opawa Branch	90	18	2	49	4	. 0	140	2	2				14ó	2	2
Oxford to Temuka	147	13	7				147	13	7			- :	147	13	7
Christchurch to Sumner		19	0	***			36	19	0			i	36	19	0
Oamaru to Livingstone	236	5	٥				236	5	0				236	5	О
Winchester to Hilton	4	9	0				4	9	٥				4	9	0
Amberley to Cook's Strait	132	9	0		_		132	9	0			- }	132	9	0
Amberley to Brunner	771	_	10	1,153	18	10	1,925		8	•••		[1,925	18	8
Sheffield to Kowai Pass	94	15	9					15	9	•••		i	. 94	15	9
Otago Central	1,413		I	424	8	11	1,838	2	0	•••		1	1,838	2	0
Orepuki Branch	108	6	8				108	6	8			- !	108	6	8
Fairlie Creek to Mackenzie Country	251	1	9	139	10	7	390	12	4	•••			390	12	4
Westport to Inangahua	636	1	2	20	14	6	656	15	8	•••		-	656	15	8
Waiau Valley Route (Western Railways)	180	٥	٥	***			180	0	٥	•••		1	180	0	0
Nelson to Koundell	40	0	٥	261	8	11	301	8	11	23	7	4	324	16	3
Waimea, Switzer's			1	350	0	٥	350	0	0		•			0	ö
Outram to Clarendon and Wangaloa	•••		l				•••		İ	10	4	0	10	4	٥
Incidental, general, &c	7	11	6	•••			7	11	6	•••		Ì	7	11	6
Total, Middle Island	5,304,315	14	3	559,384	10	0	*5,863,700	4	3	220,548	10	0	6,084,248	14	3

^{*} Note.—This amount does not include the expenditure on the railways of the late Provinces of Canterbury and Otago, which were valued as follows, viz.:—

CANTER	BURY.						
	£		d.	£	8.	d.	
Lyttelton and Christchurch—							
Fencing and ditching	4,024	0	0				
Culverts and diversions	6,215	٥	0				ļ
Level crossings	1,732	0	0				ı
Earthwork	10,000		0				Ì
	186,462	0	0				l
Bridges	2,214		٥				Ì
Lyttelton Station Reclamation	25,296	0					l
Permanent way	48,088		0				ŀ
Station and other buildings	65,178	0	O.				
Double narrow-gauge line,							١.
with earthwork & building	8 3,213	0	0				l
Metalling, &c., in station yard	в 1,486	0	0				1
Points, crossings, traverses,							
and turntable	14,473		0				l
Plant, tools, and machinery	13,966	0	0	_			l
03 : . 1	•			382,347	0	0	
Christchurch and Selwyn-							
Grading, with bridges and	_						
culverts	20,480	O.	9				١
Permanent way, with points							[
and crossings	39,470	0	0		_		ļ
# a a1				59,950	0	0	l
General—	0	_	_				j
Stations and other buildings Stores at Christchurch	9,148						
	11,139						ĺ
Platelayers' tools	785						Į
Telegraph and stores Furniture and station plant	4,758						ì
T 1	2,907						Ì
Water-services	91,357						l
	852 76,063	0	_				l
Rolling-stock	70,003			105 000	_	_	ļ
Opawa Branch, complete				197,009	0	0	Ì
Duplicates of engines and car	 			71,547	0	0	l
Engineering and managemen	itages		nt.	2,656	U	0	ļ
on £365,000	10, 5 per	CE		18,250	0	0	l
5305,000	***		•••	10,250			١
			Č	731,759	0	0	İ
			ℷ	1911/59			ł
			-	ويسوار بي الكانب عالك			*

Отас	go.					
	£	s.	d.	£	6.	d.
Bluff and Winton-	••				~.	-
Grading and permanent way	116.388	0	٥			
Rolling-stock and machinery	15,410		ō			
Station buildings	9,830		ō			
Stock, plant, tools, and	9,000	•	•			
furniture	2,106	0	٥			
Stores at Invercargill	338		ō			
Level crossings and gates	325		_			
Points and crossings	1,920					
Bluff Wharf	9,223		-			
Dian Whati	9,223				_	_
Western Railways-				155,540	٥	O
TTT and a second a second at the second	22 521	_	_			
Permanent-way material	32,721 23,226	0	0			
Lermanent-way material	23,220	o	0		_	_
Amonaka Dranch camulata				55,947	٥	O
Awamoko Branch, complete	•••		•••	29,295	0	
Waiareka Branch, complete			•••	51,146		
Green Island Branch, comple				9,693	0	0
Outram Branch, as complet	ea up to	30				
April, 1877	•••		• • •	27,313	٥	0
General—						
Rolling-stock and machinery	11,252		0			
Plants and tools	306	٥	0			
Buildings, Port Chalmers						
and Clutha	1,360	0	0			
Permanent-way material in						
stock	1,065	0	0			
Stores at Dunedin	5,416	0	0			
Land	11,820	2	5			
Station plant and furniture	604	0				
				31,823	2	5
Engineering and managemen	nt, 5 per	ce	nt.	0,0		U
on work in New Zealand,	£235,315			11,765	0	o
•			_			
			£	372,522	2	5
						_

TABLE No. 3.

STATEMENT showing the Total Expenditure on Railways, out of Immigration and Public Works Loan, to 31st March, 1881.—Classified.

	Expenditure	DEDUCT CRE- DITS ON		Net]			C	CLASSIFICATION (OF TOTAL NET EX	EXPENDITURE TO 3	1st March, 188	31.	······································				
Lines of Railway.	31st March, 1880. (Vide page 9 of	ACCOUNT OF EXPENDITURE made prior to 31st March,	TOTAL NET EXPENDITURE TO 31st March,	EXPENDITURE DURING TWELVE MONTHS	TOTAL NET EXPENDITURE TO 31ST MARCH,		SURVEYS: PRELIMINARY			Construction		***	Rollin	7G-STOCK.	Workshops,	Engineering		TOTAL NET EXPENDITURE	Lines of Railway.
	P. W. Statement, 1880.)	1880, but only received during 1880-81.	1880.	31st March, 1881.	1881.	Land.	WORKING.	Grading.	Bridges and Culverts.	Fencing.	Permanent Way, New Zealand.	Permanent Way, England.	New Zealand.	England.	STATIONS, AND WHARVES.	OFFICE.	Incidental.	31st March, 1881.	
NORTH ISLAND. Kawakawa Whangarei to Kamo Kaipara to Waikato Waikato to Thames Wellington to Napier Wellington to Foxton Foxton to New Plymouth	£ s. d. 28,413 19 1 3,434 19 7 1,031,470 19 6 27,330 13 5 1,151,730 0 3 29,098 13 10 903,341 3 9	6 9 0 7,520 15 3 3,369 13 9	3,434 19 7 1,014,249 14 6 27,324 4 5 1,144,209 5 0	68,566 12 4 84,731 11 0 17,635 0 7	42,695 7 2 32,923 17 1 1,081,646 10 4 95,890 16 9 1,228,940 16 0	£ s. d. 59 19 9 2,080 2 10 51,638 19 2 2,364 3 10 38,687 17 3 40,397 II 9	1,067 8 11 21 14 9 11,636 11 7 823 13 3 23,682 6 3 4,076 12 5	£ s. d. 6,398 12 0 6,661 11 0 257,629 0 0 21,944 2 11 314,198 12 8 21,921 7 10 205,441 1 5	3,942 13 8	1,926 5 3 18,296 15 2 2,596 14 8 29,176 17 8	3,128 3 8 146,022 13 8 12,343 14 8 137,019 13 7 147 14 10	10,640 2 2 4,882 1 0 153,199 11 8 27,555 1 9 196,109 13 7	970 3 9 58 14 6 38,448 3 11 50 10 6 27,962 13 3 1 6 0	6,807 6 2 8,117 11 0 86,624 6 4 21,003 17 8 105,825 15 4	2.421 13 3 149,075 15 7 1,289 14 1 133,564 0 0 8,810 10 2	1,089 18 1 53,371 13 2 2,322 10 3 47,776 14 1 3,410 3 0	72 17 1 1,342 16 1 468 5 6	42,695 7 2 32,923 17 1 1,081,646 10 4 95,890 16 9 1,228,940 16 0	NORTH ISLAND. Kawakawa. Whangarei to Kamo. Kaipara to Waikato. Waikato to Thames. Wellington to Napier. Wellington to Foxton. Foxton to New Plymouth.
Preliminary Surveys: North Island (for details see Table No. 2)	9,955 15 6		9,955 15 6	1,664 1 6	11,619 17 0	•••	11,619 17 0		•••						•••			11,619 17 0	PRELIMINARY SURVEYS:— North Island (for details see Table No. 2).
Total, North Island	3,184,776 4 11	29,716 15 4	3,155,059 9 7	417,550 2 0	3,572,609 11 7	135,228 14 7	76,667 3 7	834,194 7 10	441,497 3 1	84,540 10 8	449,649 4 9	581,700 9 5	99,528 5 9	301,564 11 0	403,338 5 2	154,487 3 1	10,213 12 8	3,572,609 11 7	TOTAL, NORTH ISLAND.
Canterbury Interior Main Line	346,461 4 2 14,596 3 3 200,410 10 5 172,843 15 11 1,723,399 0 7 6,064 14 9 2,409,533 6 3 51,684 8 11 241,509 2 3 92,871 17 7	11 10 11 197 14 1 3,301 4 9 1,369 19 10 48 1 10	346,435 14 2 14,596 3 3 209,360 5 4 172,832 5 0 1,723,201 6 6,064 14 9 2,406,232 1 6 50,314 9 1 241,461 0 5 92,729 10 5	11,447 2 3	22,009 I 10 211,709 5 5 189,778 7 6 1,845,255 15 9 17,511 17 0 2,633,508 12 10 104,163 10 6 250,479 16 11 130,170 18 7	8,415 15 1 21,958 2 3 59,814 0 10 121 19 4	6,583 19 2 2,162 19 11 14,277 5 0 289 11 11 26,882 7 10 3,381 13 5 2,964 15 11	139,694 9 7 9,763 18 8 55,576 7 8 55,584 8 0 179,343 19 4 6,696 6 0 773,279 17 6 79,254 14 3 44,036 15 1 28,802 19 9	49,509 5 1 5,659 7 0 14,400 8 4 34,746 6 9 356,813 0 8 8,851 3 1 258,666 9 11 11,845 15 5 14,378 9 9 12,052 9 2	131 18 5 117 0 0 1,505 12 3 47,674 18 6 17 7 1 77,800 19 1 2,161 15 2 3,869 17 7	828 I 6 22,168 2 7 18,993 15 9 269,259 12 9 326,255 18 6 479 8 6 55,824 17 6	27,396 7 5 22,159 4 0	62 17 9 3,884 18 1 2,885 10 4 57,046 15 9 133 11 2 45,436 3 7	19,228 5 10 8,806 7 10 215,776 17 9 251,187 0 0 24,744 2 4 8,748 12 0	138 5 6 44,434 12 3 14,763 2 9	5,992 17 9 48,492 4 3 1,359 6 5 86,716 0 9 4,817 18 6 10,864 15 2	219 19 11 4,571 1 0 33 6 9 6,847 3 9	22,009 1 10 211,709 5 5 189,778 7 6 1,845,255 15 9	MIDDLE ISLAND. Nelson to Greymouth. Greymouth to Hokitika. Westport to Ngakawau. Picton to Hurunui. Hurunui to Waitaki. Canterbury Interior Main Line. Waitaki to Bluff. Otago Central. Invercargill to Kingston. Western Railways. Purchase of wagons.
Preliminary Surveys:— Middle Island (for details see Table No. 2)	41,088 3 10		41,088 3 10	6,105 2 0	47,193 5 10		47,193 5 10		•••						•••		···•	47,193 5 10	PRELIMINARY SURVEYS:— Middle Island (for details see Table No. 2).
Total, Middle Island	5,309,462 7 11	5,146 13 8	5,304,315 14 3	559,384 10 0	5,863,700 4 3	243,071 16 5	110,385 10 5	1,372,033 15 10	766,922 15 2	147,363 7 5	758,396 12 11	837,860 3 0	142,617 7 7	550,479 3 0	723,191 14 0	196,858 18 3	14,519 0 3	5,863,700 4 3	Total, Middle Island.
	3,184,776 4 11	29,716 15 4	3,155,059 9 7	417,550 2 0	3,572,609 11 7	135,228 14 7	76,667 3 7	834,194 7 10	441,497 3 1	84,540 10 8	449,649 4 9	581,700 9 5	99,528 5 9	301,564 11 0	403,338 5 2	154,487 3 1	10,213 12 8	3,572,609 11 7	PE SUMMARY. NORTH ISLAND:— Railways.
Middle Island:— Railways	5,309,462 7 11	5,146 13 8	5,304,315 14 3	559,384 10 0	5,863,700 4 3	243,071 16 5	110,385 10 5	1,372,033 15 10	766,922 15 2	147,363 7 5	758,396 12 11	837,860 3 0	142,617 7 7	550,479 3 0	723,191 14 0	196,858 18 3	14,519 0 3	5,863,700 4 3	MIDDLE ISLAND:— Railways.
MISCELLANEOUS SURVEYS UNAPPORTIONABLE	470 17 11 364 15 5		470 17 11 364 15 5		470 17 11 364 15 5		470 17 11	••••		•••					364 15 5		•••		MISCELLANEOUS SURVEYS. UNAPPORTIONABLE.
GRAND TOTAL	8,495,074 6 2	34,863 9 0	8,460,210 17 2	976,934 12 0	9,437,145 9 2*	378,300 11 0	187,523 11 11	2,206,228 3 8	1,208,419 18 3	231,903 18 1	1,208,045 17 8	1,419,560 12 5	242,145 13 4	852,043 14 0	1,126,894 14 7	351,346 1 4	24,732 12 11	9,437,145 9 2	Grand Total.

^{*} This amount does not include the expenditure on railways of the late Provinces of Canterbury and Otago, which were valued at £731,759 and £372,522 respectively, and were not paid for out of Immigration and Public Works Loan, but were taken in reduction of the provincial debts.

TABLE No. 4.

STATEMENT showing the Liabilities on Railways, out of Immigration and Public Works Loan, on 31st March, 1881.—Classified.

RAILWAYS UNDER CONSTRUCTION.
On Contracts. Total.
£ 8. d. £ 8. d. 33,732 9 10 24,096 9 0 0 3,239 4 1 54,462 9 0 5 11,757 6 8 2,790 18 7 4,306 14 4 13,292 6 6 5,967 1 6 6,775 8 2 38,234 3 6 50,987 17 1
109,055 5 10 156,761 9 3
5,766 3 4 10,517 0 0 42 0 2,330 10 0 78 14 10 15,6 8 2 15,802 17 7 39,80 7 3 40,925 16 10 84,948 11 7 18,373 0 9 20,076 15 11 478 14 7 2,049 2 1 9,968 14 10 11,651 19 0
91,436 2 9 174,507 2 7 19,13
109,055 5 10 156,761 9 3 91,436 2 9 174,507 2 7
200,491 8 7 331,268 11 10

TABLE No. 5.

STATEMENT showing the Expenditure on Roads (Class V.), out of Immigration and Public Works Loan, to 31st March, 1881, and the Liabilities on that date.

	Expenditure to 31st March, 1880.	Expenditure during 12 Months ended 31st March, 1881.	Total Expenditure.	Liabilities.	Total Expenditure and Liabilities.
ROADS, BRIDGES, AND WHARVES-NORTH	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Island:— Bay of Islands	33,151 6 9			1,100 0 0	34,451 6 9
Mangere Bridge	15,486 7 8 75 2 9		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	***	15,486 7 8 75 2 9
Thames	17,739 12 7			2,523 17 10	25,256 6 8
Bay of Plenty (less recovery, £3 15s.9d.)	75,472 5 3			8,449 4 4	97,722 6 6
Poverty Bay	16,403 16 8 9,273 4 5		$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	260 0 0	21,609 5 4 9,273 4 5
Napier	24,139 1 1	8,110 7 9	32,249 8 10	722 17 5	32,972 6 3
Seventy-Mile Bush	45,750 18 2 1,212 7 8		$egin{array}{c cccc} 45,750&18&2 \ 1,212&7&8 \end{array}$	•	45,750 18 2 1,212 7 8
Wairoa New Plymouth—Inland	3,760 17 3		3,760 17 3		3,760 17 3
Hawera to Waitara	13,907 6 6			2 14 0	14,472 13 2
Wai-iti to Patea Patea to Wanganui	58,566 6 9 36,246 5 4		58,566 6 9 36,246 5 4		58,566 6 9 36,246 5 4
Wanganui to Taupo	5,156 2 2	111 0 0	5,267 2 2		5,267 2 2
Manawatu	44,630 10 8 58,063 7 5			$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	45,802 19 1 66,983 7 5
Opaki to Manawatu Gorge Hutt to Lowry Bay	290 0 0		290 0 0	200 0 0	290 0 0
- · · · ·	150 001 10 1		701.000 0 0		F1F100 0 4
ROADS, BRIDGES, AND WHARVES-NORTH	459,324 19 1	42,565 4 8	501,890 3 9	13,308 19 7	515,199 3 4
OF AUCKLAND:					
Auckland District	41,240 17 0	43,772 15 11	85,013 12 11	20,381 5 3	105,394 18 2
ROADS AND BRIDGES IN UNSETTLED DIS-					
TRICTS:— Patea and Taranaki	1,183 1 3	25,370 12 7	26,553 13 10	9,767 16 6	36,321 10 4
Unapportionable—Tools, &c	1,722 2 4		1,722 2 4		1,722 2 4
,	2,905 3 7	25,370 12 7	28,275 16 2	9,767 16 6	38,043 12 8
ROADS—NELSON SOUTH-WEST GOLD FIELDS:	2,905 3 7	25,370 12 7	28,275 16 2	9,707 10 6	38,043 12 8
Buller to Arnould	72,497 0 10			56 18 7	73,254 3 3
Main Road to Boatman's	844 10 0 7,273 13 10		$\begin{bmatrix} 844 & 10 & 0 \\ 7,273 & 13 & 10 \end{bmatrix}$		844 10 0 7,273 13 10
Westport to Lyell Abaura to Amuri	6,210 13 10		6,210 13 10		6,210 13 10
Nile Bridge	1,115 16 4		1,115 16 4	•••	1,115 16 4
Takaka Valley Collingwood to Quartz Range	2,000 0 0 507 1 1		2,000 0 0 507 1 1		2,000 0 0 507 1 1
Conting wood to quarte stange					
ROADS - NELSON TO GREYMOUTH AND	90,448 15 11	700 3 10	91,148 19 9	56 18 7	91,205 18 4
Westport		5,315 2 0	5,315 2 0	9,366 7 8	14,681 9 8
ROADS-WESTLAND:-					
Greymouth to Arnould	5,058 1 5	•••	5,058 1 5		5,058 1 5
Greymouth to Okarito (less recovery,	95,971 17 9	2 555 13 1	98,527 10 10	234 14 3	98,762 5 1
£10) South Creek to Main Line	281 17 6		281 17 6		281 17 6
Junction Line	3,923 9 5			***	
		•••	3,923 9 5		3 ,923 9 5
Greenstone to Lake Brunner Marsden to Maori Creek	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	•••			3,923 9 5 2,756 5 6
Marsden to Paroa	2,538 3 0 798 8 0	•••	3,923 9 5 2,756 5 6 2,538 3 0 798 8 0		3,923 9 5 2,756 5 6 2,538 3 0 798 8 0
Marsden to Maori Creek Marsden to Paroa Stillwater to Maori Gully	2,538 3 0 798 8 0 1,869 2 0		3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0		3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0
Marsden to Maori Creek Marsden to Paroa Stillwater to Maori Gully Kanieri Forks to Kanieri Lakes	2,538 3 0 798 8 0		3,923 9 5 2,756 5 6 2,538 3 0 798 8 0	 	3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0
Marsden to Maori Creek Marsden to Paroa Stillwater to Maori Gully Kanieri Forks to Kanieri Lakes Hokitika to Blue Spur Kanieri Bridge	2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0		3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0		3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0
Marsden to Maori Creek Marsden to Paroa Stillwater to Maori Gully Kanieri Forks to Kanieri Lakes Hokitika to Blue Spur Kanieri Bridge Waimea Bridge	2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6	 	3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6		3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6
Marsden to Maori Creek Marsden to Paroa Stillwater to Maori Gully Kauieri Forks to Kanieri Lakes Hokitika to Blue Spur Kanieri Bridge	2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3		3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3		3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3
Marsden to Maori Creek Marsden to Paroa Stillwater to Maori Gully Kanieri Forks to Kanieri Lakes Hokitika to Blue Spur Kanieri Bridge Waimea Bridge	2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6	 	3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6		3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6
Marsden to Maori Creek Marsden to Paroa Stillwater to Maori Gully Kanieri Forks to Kanieri Lakes Kanieri Bridge Waimea Bridge	2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3	2,555 13 1	3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3		3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3
Marsden to Maori Creek Marsden to Paroa Stillwater to Maori Gully Kanieri Forks to Kanieri Lakes Hokitika to Blue Spur Kanieri Bridge Waimea Bridge Westland, general ROAD—HOKITIKA TO CHRISTCHURCH (less recovery, £10)	2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 120,606 9 9	2,555 13 1	3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3		3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3
Marsden to Maori Creek Marsden to Paroa Stillwater to Maori Gully Kanieri Forks to Kanieri Lakes Hokitika to Blue Spur Kanieri Bridge Waimea Bridge Westland, general ROAD—HOKITIKA TO CHRISTCHURCH (less recovery, £10)	2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 120,606 9 9 44,941 18 4	2,555 13 1 7,167 16 1	3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 123,162 2 10 52,109 14 5	234 14 3	3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 123,896 17 1 56,653 6 10
Marsden to Maori Creek Marsden to Paroa Stillwater to Maori Gully Kanieri Forks to Kanieri Lakes Kanieri Bridge Waimea Bridge	2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 120,606 9 9	2,555 13 1 7,167 16 1	3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 123,162 2 10 52,109 14 5		3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3
Marsden to Maori Creek Marsden to Paroa Stillwater to Maori Gully Kanieri Forks to Kanieri Lakes Kanieri Bridge Waimea Bridge	2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 120,606 9 9 44,941 18 4	2,555 13 1 7,167 16 1 2,220 18 0	3,923 9 5 2,766 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 123,162 2 10 52,109 14 5	234 14 3 4,543 12 5 7,805 2 4	3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 123,896 17 1 56,653 6 10
Marsden to Maori Creek Marsden to Paroa Stillwater to Maori Gully Kanieri Forks to Kanieri Lakes Kanieri Bridge Waimea Bridge	2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 120,606 9 9 44,941 18 4	2,555 13 1 7,167 16 1	3,923 9 5 2,766 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 123,162 2 10 52,109 14 5	234 14 3	3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 123,896 17 1 56,653 6 10
Marsden to Maori Creek Marsden to Paroa	2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 120,606 9 9 44,941 18 4 15,395 19 2 28,859 10 7	2,555 13 1 7,167 16 1 2,220 18 0	3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 123,162 2 10 52,109 14 5 17,616 17 2 78,791 0 2	234 14 3 4,543 12 5 7,805 2 4	3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 123,396 17 1 56,653 6 10 25,421 19 6 87,737 6 0
Marsden to Maori Creek Marsden to Paroa	2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 120,606 9 9 44,941 18 4	2,555 13 1 7,167 16 1 2,220 18 0 49,931 9 7	3,923 9 5 2,766 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 123,162 2 10 52,109 14 5 17,616 17 2 78,791 0 2 501,890 3 9	234 14 3 4,543 12 5 7,805 2 4 8,946 5 10	3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 123,896 17 1 56,653 6 10 25,421 19 6 87,737 6 0
Marsden to Maori Creek Marsden to Paroa	2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 120,606 9 9 44,941 18 4 15,395 19 2 28,859 10 7 459,324 19 1 41,240 17 0	2,555 13 1 7,167 16 1 2,220 18 0 49,931 9 7 42,565 4 8 43,772 15 11	3,923 9 5 2,766 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 123,162 2 10 52,109 14 5 17,616 17 2 78,791 0 2 501,890 3 9 85,013 12 11	234 14 3 4,543 12 5 7,805 2 4 8,946 5 10 13,308 19 7 20,381 5 3	3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 123,396 17 1 56,653 6 10 25,421 19 6 87,737 6 0 515,199 3 4 105,394 18 2
Marsden to Maori Creek Marsden to Paroa	2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 120,606 9 9 44,941 18 4 15,395 19 2 28,859 10 7 459,324 19 1 41,240 17 0 2,905 3 7	2,555 13 1 7,167 16 1 2,220 18 0 49,931 9 7 42,565 4 8 43,772 15 11 25,370 12 7	3,923 9 5 2,766 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 123,162 2 10 52,109 14 5 17,616 17 2 78,791 0 2 501,890 3 9 85,013 12 11 28,275 16 2		3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 123,896 17 1 56,653 6 10 25,421 19 6 87,737 6 0 515,199 3 4 105,394 18 2 38,043 12 8
Marsden to Maori Creek Marsden to Paroa	2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 120,606 9 9 44,941 18 4 15,395 19 2 28,859 10 7 459,324 19 1 41,240 17 0 2,905 3 7 90,448 15 11 	2,555 13 1 7,167 16 1 2,220 18 0 49,931 9 7 42,565 4 8 43,772 15 11 25,370 12 7 700 3 10 5,315 2 0	3,923 9 5 2,766 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 123,162 2 10 52,109 14 5 17,616 17 2 78,791 0 2 501,890 3 9 85,013 12 11 28,275 16 2 91,148 19 9 5,315 2 0		3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 123,396 17 1 56,653 6 10 25,421 19 6 87,737 6 0 515,199 3 4 105,394 18 2 38,043 12 8 91,205 18 4 14,681 9 8
Marsden to Maori Creek Marsden to Paroa	2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 120,606 9 9 44,941 18 4 15,395 19 2 28,859 10 7 459,324 19 1 41,240 17 0 2,905 3 7 90,448 15 11 120,606 9 9	2,555 13 1 7,167 16 1 2,220 18 0 49,931 9 7 42,565 4 8 43,772 15 11 25,370 12 7 700 3 10 5,315 2 0 2,555 13 1	3,923 9 5 2,766 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 123,162 2 10 52,109 14 5 17,616 17 2 78,791 0 2 501,890 3 9 85,013 12 11 28,275 16 2 91,148 19 9 5,315 2 0 123,162 2 10		3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 123,396 17 1 56,653 6 10 25,421 19 6 87,737 6 0 515,199 3 4 105,394 18 2 38,043 12 8 91,205 18 4 14,681 9 8 123,396 17 1
Marsden to Maori Creek Marsden to Paroa	2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 120,606 9 9 44,941 18 4 15,395 19 2 28,859 10 7 459,324 19 1 41,240 17 0 2,905 3 7 90,448 15 11 120,606 9 9 44,941 18 4		3,923 9 5 2,766 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 123,162 2 10 52,109 14 5 17,616 17 2 78,791 0 2 501,890 3 9 85,013 12 11 28,275 16 2 91,148 19 9 5,315 2 0 123,162 2 10 52,109 14 5		3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 123,396 17 1 56,653 6 10 25,421 19 6 87,737 6 0 515,199 3 4 105,394 18 2 38,043 12 8 91,205 18 4 14,681 9 8 123,396 17 1 56,653 6 10
Marsden to Maori Creek Marsden to Paroa	2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 120,606 9 9 44,941 18 4 15,395 19 2 28,859 10 7 459,324 19 1 41,240 17 0 2,905 3 7 90,448 15 11 120,606 9 9	2,555 13 1 7,167 16 1 2,220 18 0 49,931 9 7 42,565 4 8 43,772 15 11 25,370 12 7 700 3 10 5,555 13 1 7,167 16 16 2,220 18 0	3,923 9 5 2,766 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 123,162 2 10 52,109 14 5 17,616 17 2 78,791 0 2 501,890 3 9 85,013 12 11 28,275 16 2 91,148 19 9 5,315 2 0 123,162 2 10 52,109 14 5 17,616 17 2		3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 123,396 17 1 56,653 6 10 515,199 3 4 105,394 18 2 38,043 12 8 91,205 18 4 14,681 9 8 123,396 17 1 56,653 6 10 25,421 19 6
Marsden to Maori Creek	2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 120,606 9 9 44,941 18 4 15,395 19 2 28,859 10 7 459,324 19 1 41,240 17 0 2,905 3 7 90,448 15 11 120,606 9 9 44,941 18 4 15,395 19 2 28,859 10 7	2,555 13 1 7,167 16 1 2,220 18 0 49,931 9 7 42,565 4 8 43,772 15 11 25,370 12 7 700 3 10 5,315 2 0 2,555 13 1 7,167 16 1 2,220 18 0 49,931 9 7	3,923 9 5 2,766 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 123,162 2 10 52,109 14 5 17,616 17 2 78,791 0 2 501,890 3 9 85,013 12 11 28,275 16 2 91,148 19 9 5,315 2 0 123,162 2 10 52,109 14 5 17,616 17 2 78,791 0 2		3,923 9 5 2,756 5 6 2,538 3 0 798 8 0 1,869 2 0 1,578 1 0 2,520 3 5 489 15 0 207 12 6 2,613 13 3 123,396 17 1 56,653 6 10 25,421 19 6 87,737 6 0 515,199 3 4 105,394 18 2 38,043 12 8 91,205 18 4 14,681 9 8 123,396 17 1 56,653 6 10

^{*}This amount is not included in the Statement of Liabilities, Appendix B, the vote being under the control of the Survey Department.

TABLE No. 6.
STATEMENT showing the Expenditure on Roads to open up Lands before sale, to 31st March, 1881, and the Liabilities on that date.

	Expenditure to 31st March, 1880.	Expenditure, 1880-81.	Total Expenditure to 31st March, 1881.	Liabilities on 31st March, 1881.	Total Expenditure and Liabilities.
ROADS TO OPEN UP LANDS BEFORE SALE:—					
North Island.	£ s. d.	£ s. d.	£ s. d. 2,660 8 4	£ s. d.	£ s. d.
Takahue to Hera Point	1,426 17 10	17-00	2,660 8 4 700 I 9	44 5 ° 139 18 3	2,704 13 4 840 0 0
Purua and Mangakahia Districts Block II., Tangihua	700 I 9 623 9 0		' ' '	4 14 0	640 0 0
Lake Whangape to Block VII., Awaroa District	237 12 3				828 15 6
Waikato River to Block XVI., Awaroa District	11 14 6		, ,		1,612 12 8
Gisborne and Wairoa, road through Patutahi	386 13 0		386 13 0		386 13 0
Block to Hangaroa Village site	300 23 0			i	v v
Wairoa and Waikaremoana, bridle - track	304 18 6	240 0 0	544 18 6		544 18 6
through the Waiau District, Poverty Bay	.0.4	•			***
Takahue to Manganuiowai!	***	1,560 3 7	1,560 3 7	789 3 3	2,349 6 10
Maunganui Bluff		888 19 10	888 19 10	911 0 2	1,800 0 0
Te Puke		3,222 0 5	3,222 0 5		3,222 0 5
Te Puke	157 10 3	2,190 7 7	2,347 17 10	173 6 0	2,521 3 10
Opotiki to Motu and Ormond	***	462 4 6		537 15 6	1,000 0 0
Mountain road to blocks under survey	***	890 14 0		•••	890 14 0
Opening up Huiroa Block	581 5 0			•••	906 0 9
Huiroa Block, bridge over Manganui River	647 1 3			•••	781 I 3
Opening lands between Manganui and Patea	711 2 0	207 0 3	918 2 3	•••	918 2 3
Rivers					
To complete bush-falling, Stratford	***	34 0 0	9' 4	•••	34 0 0 760 0 6
Cross roads at Stratford	•••	760 9 6			
Through parts of Blocks I., II., V., VI., X.,	4 0 0	2,037 0 10	2,041 0 10	***	2,041 0 10
Ngaire District			***6 0 6	į	1,146 3 6
Through parts of Blocks III., V., X., Ngaire	•••	1,146 3 6	1,146 3 6	•••	1,146 3 6
District		# 4 F X # 0	745 17 0		745 17 0
Block X., Huiroa	***	745 17 0	, , ,	***	158 12 0
Egmont District	1,451 14 1			• • • • • • • • • • • • • • • • • • • •	2,619 16 8
Tahoraiti District, Puketoi Blocks Norsewood District, Ngamoko Block	512 1 8			100 0 0	1,179 7 3
Norsewood District, Ngamoko Block Tukituki to Waipawa, through Makaretu	125 4 7	567 5 7 35 8 6	160 13 1	414 7 0	575 0 1
Reserve	125 4 /	33			010
Waitara Block	781 o 6	i	781 o 6		781 o 6
Woodville District, Ahuaturanga Block	464 7 1	549 8 10	•		1,013 15 11
Blocks V., VI., IX., and XIII., Kairanga	1,505 4 6			1,321 12 9	5,060 0 9
Survey District, Palmerston North	70 0 1		0.70		
Blocks II., III, VI., VII., X., and XI.,	4,545 0 0	1,015 0 0	5,560 0 0		5,560 0 0
Mongaone District, and Blocks XIV. and				ļ	
XV., Mangaho District, Forty-Mile Bush					
Sandon Township, Manawatu District, Ki-	***	1,370 7 9	1,370 7 9	29 12 3	1,400 0 0
witea Block			1		
Blocks IV., X., and XIII., Wellington	581 2 5	2,018 10 5	2,599 12 10	•••	2,599 12 10
Country District					
Pahiatua and Puketoi Blocks		2,000 0 0		•••	2,000 0 0
Tokomaru Block	86 6 8			***	212 3 2 600 0 0
Otamakapua Block	***	600 0 0		1.886 6 11	000 0 0 2,000 0 0
Mungaroa to Waikanae	• • • •	113 13 1	113 13 1	1,000 0 11	2,000 0 0
Middle Island.					
	2250 7 7	2.204 12 1	4,454 13 2	489 9 3	4,944 2 5
Ahaura to Kopara Flat	2,250 I I 1,959 18 8	2,204 12 1 5 3 0	1,454 ¹³ ² 1,965 ¹ 8	409 9 3	1,965 1 8
Reefton to Maruia, Matakitaki, and Buller	7707	3,500 0 0	-// 0	!	3,500 0 0
20 3 4 TT 4 3 3	704 15 0	4,295 5 0	5,000 0 0	1	5,000 0 0
Koad to Upper Ashley Kokatahi River to Hokitika River	704 I5 0 970 0 0	4,295 5	970 0 0		970 0 0
Mount Bonar to Poerua River	900 0 0		900 0 0		900 0 0
Mapourika Lake to Waihou River	1,350 0 0	60 0 0	1,410 0 0		1,410 0 0
Mahitahi River to Haast River	1,350 0 0	3,454 8 I	3,454 8 1	1,180 2 6	4,634 10 7
Wataroa and Waitangi-taona	•••	1,500 0 0	1,500 0 0		1,500 0 0
Otara to Waikawa and bridge over Tokanui	1,000 0 0	-,5	1,000 0 0		1,000 0 0
Creek	,		'		
Benger District, from Minyion Burn Bridge	•••	500 0 0	500 0 0		500 0 0
up graded road-line to land under survey		-			
Arrowtown to Crown Terrace	1,500 0 0		1,500 0 0		1,500 0 0
Waitahuna to Run 52c	600 0 0	600 o o	1,200 0 0	•••	1,200 0 0
Run No. 75 (Boyd's)		3,000 0 0			3,000 0 0
Opening up country between Seaward Forest	1,780 9 0	75 7 0	1,855 16 0	924 13 0	2,780 9 0
and coast-line				ļ	#aa
Orepuki to Waiau	•••	500 0 0	500 0 0	•••	500 0 0
_	28,859 10 7	49,931 9 7	78,791 0 2	8,946 5 10	87,737 6 0
Totals					

TABLE No. 7.

ļ.		erret	Expenditure.				LIABILITIES.	cities.		TOTAL	j.
LOCALITY AND NAME OF COMPANY.	Survey and Construction, 1870-1880.	Subsidies, 1870-80.	Survey and Construction, 1880-81.	Subsidies, 1880-81.	Totals.	Authorities.	Contracts.	Subsidies.	Totals.	EXPENDITURE AND LIABILITIES.	LOCALITY AND NAME OF COMPANY.
NORTH ISLAND.	£ 8. d.	£ s. d.	£ 8. d.	£ s. d.	88. d.	я в. d.	£ 8. d.	£ s. d.	£ 8. d.	£ s. d.	NORTH ISLAND.
Thames	77,208 19 3	:	3,500 0 0	:	80,708 19 3	5 11 6	:	:	\$ 11. 6	80,714 10 9	Thames.
MIDDLE ISLAND. Westland Provincial District:											MIDDLE ISLAND. Westland Provincial District:—
Hibernian Hibernian	3 7 0	1,955 12 1	: :	: :	1,958 19 1	: :	: :	: :	: :	1,958 19 I	Høbonu. Hibernian.
er 10	ດທ	10			3,517			:	1	ıng	
Mikonui £4,849 3 10	144,590 9 4	:	0,775 13 3	:		541 11 5	7,520 4 0	:	8,001 15 11		
ecovery 20 0	10	:	0 6 04,64	:	9,799 12 10	39 5 8	896 19 2	:	936 4 IO	10,735 17 8	
Kanieri Nalson Provincial District:—	5.	10,310 18 4	:	:	10,312 3 10	:	:	:	:	10,312 3 10	Kanieri. Nelson Provincial District:—
Nelson Creek		:	500 14 8	:		461 15 9	:	:	461 15 9	6/	
Charleston Four-Mile	257 10 7 6,833 10 0	: :	117 7 10	::	10 7	1,548 8 8	: :	: ;	1,548 8 8	257 10 7 8,499 6 6	
Orago Provincial Dispusion	:	:	244 9 0	:	0	:	:	:	Ē	244 9 0	Black's Point. Onago Provincial Disprice:—
Mount Ida	62,666 3 8		:	Ė	62,666 3 8	:	:	:	:	es	Mount Ida.
Arrow Beaumont and Tuaneka	: :	612 10 640 0 0	6	: :		: :	: :	: :	: :	644 6 2	Arrow. Beaumont and Tuaneka.
	: ;	13		:	13	:	:	:	:	13	Carrick Range.
Walpori Mount Pisgah	11,263 1 0	200	::	: :	11,263 I O	::	: :	: :	; ;	11,263 1 0 200 0 0	Waipori. Mount Pisgah.
elling, Advertisir	5,501 2 4	:	483 14 0	:	5,984 16 4	0 1 91	÷	:	о 1 91	6,000 17 4	DEPARTMENTAL:
TOTALS	325,243 9 4	28,457 8 5	13,096 13 11	:	366,797 11 8	2,607 2 6	8,417 3 8		11,024 6 2	377,821 17 10	Totals.
SUMMARY. NORTH ISLAND MIDDLE ISLAND	77,208 19 3 325,243 9 4	3 28,457 8 5	3,500 0 0 13,096 13 11	::	80,708 19 3 366,797 11 8	2,607 2 6	8,417 3 8	: :	5 11 6 2 11,024 6 2	80,714 10 9	SUMMARY. North Island. Middes Island.
TOTALS	402,452 8	7 28,457 8 5	16,596 13 11	:	447,506 10 11 2,612 14	0	8,417 3 8	:	11,020,17	458,536 8 7	Totals.

TABLE No. 8.

STATEMENT showing the Expenditure on Miscellaneous Public Works out of Immigration and Public Works Loan, to 31st March, 1881, and the Liabilities on that date.

Service.	Expenditure to 31st March, 1880.	Expenditure during the Year 1880-81.	Total Expenditure to 31st March, 1881.	Liabilities.	Total Expenditure and Liabilities.
1	0 - 1	е	£ s. d.	£ s. d.	£ s. d
NORTH ISLAND.	£ s. d. 3,000 0 0	£ s. d.	£ s. d. 3,000 0 0	£ s. d.	3,000 O O
Road, Whangarei to Port Albert Road, Raglan to Waikato	2,000 0 0	•••	2,000 0 0	***	2,000 0 0
Road, Thames to Ohinemuri	5,000 0 0	***	5,000 0 0	***	5,000 0 0
Road, Tauranga to Opotiki	110 10 0	425 0 0	544 18 0	100 0 0	644 18 (
Road, Taupo to Tauranga	238 12 0	•••	238 12 0	511 8 0	750 0 0
Road, Gisborne to East Cape	1,037 8 0	40 0 0		2 12 0	, ,
Road, Gisborne to Wairoa	1,000 0 0	•••	1,000 0 0	•••	1,000 0 0
Vaipoa River Bridge	4,180 10 2		4,180 10 2	***	4,180 10 2
Oraining Patutahi Block	1,265 18 5	24 19 6			1,290 17 11
Road, Pukekohe to Waiuku	2,748 19 11	21 7 7	2,770 7 6	184 1 6	
Road, Pukekohe to Bombay	980 14 8	60 18 4		6 6 4	1,047 19 4 $250 0 0$
Road, Hape to Karaka Creek	250 0 0	150 0 0	i . 1	•••	150 0 0
Bridge and Road, Karaka to Pukekohe Eas	150 0 0		150 0 0	•••	150 0 0
Vharf at Pollock, Manukau Harbour	1,029 12 4	•••	1,029 12 4	3 5 6	1 .
Road, Papakura to Wairoa	1,020 12 1	•••	1,020 12	~ ~ ~ ~	1,555
Coromandel Public Works,— Road, Thames to Hastings	500 0 0		500 0 0	***	500 0 0
Road to Tokatea Range	1,000 0 0	***	1,000 0 0	***	1,000 0 (
Road, Coromandel to Hastings	1,000 0 0	• • • • • • • • • • • • • • • • • • • •	1,000 0 0	***	1,000 0 0
Road, Mackaytown to Waikato	1,000 0 0	.,,	1,000 0 0	•••	1,000 0 0
ortage Road, Riverhead to Kaipara	250 0 0	•••	250 0 0	***	250 0 0
learing Snags, Waikato	150 0 0	100 0 0		•••	250 0 (
ukekaroro Bridge, destroyed by flood	60 0 0	•••	60 0 0		60 0
ontribution towards Bridge over Waikato		•••	300 O O	***	300 0 0
at the Narrows					
oad, Mangaturoto to Waikiekie	500 0 0	***	500 0 0	•••	500 0 0
pening Road at Ruatangata		•••	150 0 0	***	150 0 0
Vharf at Whangarei Heads	600 0 0	•••	600 0 0		600 0
load at Maungakaramea		•••	500 0 0	7.10 0	500 0 0
ramway at Kamo	1,992 10 0	***	1,992 10 0	7 10 0	1
atakana Wharf	556 10 3	000 4 0	556 10 3 1.870 4 9	129 15 3	
fain Road, Mahurangi to Whangarei	1,038 0 0	832 4 9			,
ridge over Waikato, at Hamilton	3,000 0 0	218 17 2	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		348 12
rainage Lagoon, Mount Eden	348 12 0 109 15 0	***	109 15 0	•••	109 15
learing Snags, Wairoa River	1 .	1,392 14 6	أماست ساما	37 16 0	1
Iangere Bridge, Repairs		•	1,656 8 9		1,656 8 9
amaki Bridge, Repairs	1,656 8 9 357 11 6	•••	357 11 6	•••	357 11 6
traightening Waiuku Channel	1	2,809 11 3	1 11 11 11	961 19 0	1
Bridge over the Waipa, Raglan Main Road		2,009 11 8	2,607 11 0	5,500 0 0	.,
Vaimapu Bridge		250 0 0	250 0 0	750 0 0	
Coad, Ormond, Opotiki	i I	156 16 0		493 4 0	
Goad, Te Awamutu Station to Township		100 10 0	100 10 0	300 0 0	
toad to Buckland Station	` 5709 19 9	5,880 14 9	11,604 7 11	93 17 7	
condige over Anuriri Harbour	85 19 2	226 9 5		1,181 0 0	1,493 8 7
Coad, Wairoa to Waikaremoana	1,500 0 0		1,500 0 0	, ,,,	1,500 0 0
Iountain Road to Taranaki	12,212 16 11	962 4 9	13,175 1 8		13,175 1 8
pening Mountain Road to Patea	4,000 0 0		4,000 0 0	***	4,000 0 0
Iain Road, Stony River to Waitotara	2,585 17 0	414 3 0		•••	3,000 0 0
oan to Waitara Harbour Board	500 0 0	1,000 0 0	1 1	500 0 0	, ,
learing Snags, Waitara River	63 13 2	***	63 13 2	•••	63 13
oad, Wainui to Waipukurau	2,000 0 0	•••	2,000 0 0	•••	2,000 0
oad, Wainui to Inland Settlement	500 0 0	_;,,	500 0 0	•••	500 0
load, Seventy-Mile Bush, Opaki to Kopus	4,926 10 7	73 9 5	5,000 0 0	•••	5,000 0 0
including Manawatu Gorge Road	0.000 0 -	0.180 18	6000		6.000 0
luamahunga Bridge, Opaki Road	2,826 2 1	3,173 17 11		***	1,000 0 0
oad, Rangitumau	715 4 6		1 ' ' 1	•••	8,000 0
oad and Bridge, Mungaroa to Waikanae	3,500 0 0 1,000 0 0	,	8,000 0 0 1,000 0 0	•••	1,000 0
oad, Rangitikei to Murimotu, or Inland Pate		•••	1,000 0 0	•••	1,000 0
oad, Taueru	984 0 0	***	884 0 0	16 0 0	1 12
oad in Manchester Block	1,274 14 10	1,482 1 10		243 3 4	
oad, Foxton to Otaki (inland)	9706 1 7	293 18 5	3,000 0 0		3,000 0
oad, Masterton to Castlepoint	100 0 0	200 0 0	امی مید' ا	***	300 0
oad, Karere, Manawatu	184 6 7		184 6 7	15 13 5	
Ianawatu Bridge Approaches Lefund Expenditure, Manawatu Gorge Roac		227 8 0			665 5 9
lembined Ruidge over Whiching	10, 1, 0	11 2 0	1	1,188 18 0	
lombined Bridge over Waiohine Bridge over Ruamahunga, at Hurinuiorangs	2,429 3 4	570 16 8		-,	3,000 0 0
ontinuation of Kimbolton Road through	1 '	p	1,000 0 0	•••	1,000 0
Sandon Block (Kiwitea)		•••	'		,
runk Roads, County Wanganui	1,500 0 0	***	1,500 0 0	***	1,500 0 (
Vanganui to Taupo Road	500 0 0	•••	500 0 0	***	500 0
Ianawatu Gorge Road	J	256 18 5	256 18 5	153 1 7	410 0 (
oad, Opaki to Manawatu				2,000 0 0	2,000 0 0
own, opinit to animation	"	•••			
MIDDLE ISLAND.			l l		
load, Oronoko to Stanley Brook	327 0 0	673 0 0		•••	1,000 0 0
oad, Takaka to Motueka, and Approache		•••	1,178 14 0	21 6 0	1,200 0 0
	1				
to whari, waitabu			. !		
to Wharf, Waitapu			120,643 16 1		135,325 16

TABLE No. 8—continued.

STATEMENT showing the Expenditure on Miscellaneous Public Works, out of Immigration and Public Works Loan, to 31st March, 1881, and the Liabilities on that date—continued.

Service.	Expenditure to 31st March, 1880.	Expenditure during the year 1880-81.	Total Expenditure to 31st March, 1881.	Liabilities.	Total Expenditure and Liabilities.
MIDDLE ISLAND—continued. Brought forward Takaka Tramway	£ s. d. 93,930 6 11	£ s. d. 26,713 9 2		£ s. d. 14,682 0 4 2,000 0 0	135,325 16 5
Bridge over Wairoa and Waimea District Wakamarina Road, County Marlborough	3,451 11 5 306 1 6	192 7 10 300 0 0		55 14 6	
Road, Takaka to Motueka Track, Motueka to Karamea		700 0 0 1,000 0 0	1,000 0 0	•••	700 0 0 1,000 0 0
Road, Nelson to Havelock Rai Road, County Marlborough Rai Road, County Waimea	300 0 0 400 0 0 250 0 0		300 0 0 400 0 0 500 0 0	*** * ***	300 0 0 400 0 0 500 0 0
Kaikoura Jetty Bridge over Clarence River	20 0 0	1,012 8 5	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	340 9 11 5,000 0 0	1,352 18 4 5,020 0 0
Bridge over Arnold River Road, Nelson to Tophouse and Tarndale Bridge over Inangahua	1,500 0 0 1,383 7 5		, , , , , ,	530 11 9 2,244 6 10	
Bridge over Manganua Bridge over Ahaura River Bridge over Nelson Creek	10,248 7 3 4,078 8 0	57 3 0	10,305 10 3		10,30 5 10 3 4,978 8 0
Road, Westport to Lyell, including Bridge over Ohiki River	4,555 17 10 9,815 2 10	***	4,555 17 10 9,815 2 10	•••	4,555 17 10 9,815 2 10
Road, Nelson to Westport and Greymouth Road, Motupiko to the Lyell by the Hope Hokitika Harbour Improvement	17,000 0 0	8,000 0 0		***	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Hokitika Harbour Works Bridge over Teremakau, Kumara	8,327 13 9	$\begin{bmatrix} 3,000 & 0 & 0 \\ 7 & 5 & 3 \\ 1 & 0 & 0 \end{bmatrix}$	8,334 19 0	1,115 19 0	-,
Bridge over Hokitika at Kanieri Road by Coast from Hokitika to Haast Pass Main Road near Longford	7,906 11 6 2,985 2 6 2,000 0 0			183 10 5	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Buller Valley, Completion to Orawaiti Bridge over Buller River on Nelson to Reef- ton Road	2,000 0 0 4,000 0 0	 	2,000 0 0 4,000 0 0	•••	2,000 0 0 4,000 0 0
Removal of Rock, &c., Martin's Bay, &c Compensation to A. Stitt, Buller Road Con- tract	5 0 0 620 0 0	•••	5 0 0 620 0 0	•••	5 0 0 620 0 0
Jetty at Port Levy Road, Port Levy to Pigeon Bay	250 0 0 500 0 0	***	250 0 0 500 0 0	•••	250 0 0 500 0 0
Road, Purau to Port Levy Main Road through Pelorus District Ashley Bridge Approaches	500 0 0 208 13 6	6,097 3 6 500 0 0		5 ,364 9 5	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Upper Waitaki Bridge Kawaran Bridge at Junction, Arrow River	2,500 0 0 6,155 9 0		5,000 0 0	 25 0 0	5,000 0 0
Frankton Jetty Portobello Road Anderson's Bay Road	432 10 6	 171 9 9	432 10 6 171 9 9	67 9 6 78 10 3	
Hurunui to Greta Bridge Purchase of Beaumont Bridge	2,898 4 7 3,000 0 0	17 10 0	2,898 4 7 3,017 10 0	1,982 10 0	2,898 4 7 5,000 0 0
Purchase of Bridge over Clutha at Clyde Subsidy to complete Clutha Bridge Purchase of Victoria Bridge over Kawarau	5,000 0 0 4,000 0 0		5,000 0 0 4,000 0 0	2,500 0 0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Jetty at Toitois Road, Toitois (inland)	1,000 0 0 1,000 0 0	•••	1,000 0 0 1,000 0 0	•••	1,000 0 0 1,000 0 0
Road, Wyndham to Toitois Road, Gore to Switzers Road, Lawrence to Roxburgh	1,500 0 0 4,000 0 0 5,000 0 0		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	•••	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Road, Roxburgh to Clyde Road, Waipori to Lawrence viá Bungtown	2,500 0 0 400 0 0		2,500 0 0 400 0 0	•••	2,500 0 0 400 0 0
Road, Fitzgerald to Dalhousie Duthie's to Tuapeka Mouth vid Tuapeka River	500 0 0 500 0 0	•••	500 0 0 500 0 0	•••	500 0 0 500 0 0
Main i oad, Otago, Palmerston to Houndburn Jetty at Balclutha Manuherikia Bridge, St. Bathans	2,500 0 0 250 0 0 500 0 0		2,500 0 0 250 0 0 500 0 0	***	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Maerewhenua Railway Bridge Main Road, Glenomaru to Catlin's River	2,138 5 5 1,000 0 0		2,138 5 5 1,000 0 0	•••	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Removal of Rocks, Catlin's River Erection of Jetty and Shed, Catlin's River Read Many Fails to Toines Hand Linkshope	153 10 5 465 7 6	•••	465 7 6	548 13 11 3 12 6	1
Road, Maori Kaika to Taiaroa Head Lighthouse Bridge over Oreti at Elbow Protective Works, Dipton	482 5 2 5,834 1 6 500 0 0	94 5 6	1	151 10 7 71 13 0	, , , , , , , ,
Completion of Road, Waikari to Waitati Gore Bridge (liability)	1 1 6 1,254 16 7	3,006 10 0	3,007 11 6 1,254 16 7		3,007 11 6 1,254 16 7
Hungerford Bridge Beacon at Queenstown Jetty at Queenstown	35 0 0	2,000 0 0	35 0 0	 302 12 0	2,000 0 0 35 0 0 600 0 0
Jetty at Jackson's Bay Bannockburn Bridge	2,500 0 0	32 6 4		•••	32 6 4 2,500 0 0
Bridge over Kaikorai Stream Sundry compensations, &c Harbour Defences	1,736 10 10 34,513 13 9		1,736 10 10 35,417 19 11	400 0 0 942 14 11	400 0 0 1,736 10 10 36,360 14 10
Carried forward	270,793 1 2				376,165 13 10

TABLE No. 8-continued.

STATEMENT showing the Expenditure on Miscellaneous Public Works, out of Immigration and Public Works Loan, to 31st March, 1881, and the Liabilities on that date—continued.

Service.	Expendit 31st Marc			Expend during t	he y		Tot Expendi 31st Marc	ture		Liabilit	ies.		Tot Expendit Liabili	ure:	
MIDDLE ISLAND—continued.	£	8.	d.	£	8.	d.	£	s.	d.	£	s.	d.	£	8.	d.
Brought forward	270,793						337,574		0	38,591	8			13	10
Roads in Deferred-payment Blocks disposed			0	•			9,970		0	•••			9,970		0
of prior to 1st January, 1878 Loans to Local Bodies to repair damages	48,235	0	0				48,235	0	0				48,235	0	0
caused by floods Railway Material, Gisborne to Ormond Amounts payable to Counties in respect of	4,975	1	7	••	•		4,975	1	7				4,975	1	7
Stoppages of Land Revenue—			1												
Canterbury	91,591		10			2	100,000		0				100,000	0	0
Otago	49,364	1	0	$5,\!427$	12	4	54,791	13	4			-	54,791	13	4,
Railway Commission			- 1	2,732	0	3	2,732	0	3			ĺ	2,732	0	3
Clutha, &c., Commission]	567	14	8	567	14	8			- 1	567	14	8
Allowance to Widow of D. Marchbanks				164	7	9	164	7	9			- {	164	7	9
Contingencies			- 1	9	6	0	9	6	0			١	9	6	0
Totals	474,928	5	7	84,091	3	0	559,019	8	7	38,591	8 1	ιo	597,610	17	5

TABLE No. 9.

STATEMENT showing the Expenditure on Telegraphs, out of Immigration and Public Works Loan, to 31st March, 1881, and the Liabilities on that Date.

	Mil	les of	Expenditure to 31st March, 1880,	Deduct Amounts recovered since 31st March, 1880,	Net Expenditure
	Poles.	Wire.	as per Table No. 9 of last Year.	but for Services prior to that Date.	and Liabilities.
The state of the March 1999			£ s. d.	£ s. d.	£ s. d.
Expenditure, &c., to 31st March, 1880	. 2,391	6,724	368,763 11 9	1,498 2 10	367,265 8 11
Riverton to Otautau	. 13	18			300 11 11
penditure			•••		341 19 7
Motueka to Collingwood	. 48	48	***		3,428 17 0
Oamaru to Timaru, railway wire		52			137 13 11
Reefton to Lyell, reconstruction					1,826 2 3
Port Chalmers to Seacliff		32			538 12 5
Feilding to Halcombe	. 18	18	•••		953 8 6
Third wire, Wanganui to Hawera		- 58			1,082 4 0
New Plymouth to Stoney River, reconstruction, and	1				
new line Stoney River to Opunake	. 28	28			1,850 10 6
Wellington to Featherston, reconstruction	•	• • • • • • • • • • • • • • • • • • • •			553 16 1
No. 3 Cable		•••			22,232 2 4
New stations; expenditure on lines in course of con					
struction not yet brought to charge; also sundry material lying in stock	1				
material lying in stock		• • • • • • • • • • • • • • • • • • • •	•••	•••	12,035 9 10
	2,511	6,978			
Total expenditure to 31st March, 1881		0,970			412,546 17 3
Liabilities on 31st March, 1881	i i	1	···		1,500 0 0
,		"			-,,,
Total expenditure and liabilities to 31st	t				
March, 1881					414,046 17 3

TABLE No. 10.

STATEMENT showing the Expenditure on Public Buildings, out of Immigration and Public Works Loan, to 31st March, 1881, and the Liabilities on that date.

	Expenditure to 31st March, 18		Expenditure for Year ended 31st March, 1881.	Total Expenditure to 31st March, 1881.	Liabilities on 31st March, 1881.	Total Expenditure and Liabilities to 31st March, 1881.
Judicial	78,944 8 1,968 13 144,928 6 45,052 0 278,518 13 14,303 14 9,805 2	d. 5 4 9 8 1 8 4 4	£ s. d. 55,401 17 7 9,335 8 0 39,604 5 6 99,172 18 8 2,219 4 8 205,733 14 5	£ s. d. 133,900 9 0 88,279 16 4 1,968 13 9 144,928 6 8 84,656 5 7 377,691 12 4 16,522 19 0 9,805 2 4	£ s. d. 3,950 19 7 687 10 0 24,911 8 10 3,700 0 0 33,249 18 5	£ s. d. 137,851 8 7 88,967 6 4 1,968 13 9 144,928 6 8 109,567 14 5 381,391 12 4 16,522 19 0 9,805 2 4 891,003 3 5

TABLE No. 11.
Statement showing Expenditure on Lighthouses, out of Immigration and Public Works Loan, to 31st March, 1881, and Liabilities on that date.

	Expenditure to 31st March, 1880.	Expenditure during the 12 Months ended 31st March, 1881.	Liabilities.	Total Expenditure and Liabilities on 31st March, 1881.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Expenditure on sundry works prior to 31st March, 1880 Expenditure on the following works during 1880-81. viz.:—	85,203 3 9		•••	85,203 3 9
Cape Saunders Lighthouse		40 18 6	•••	40 18 6
Marine Store		73 16 3	***	73 16 3
Tory Channel lights		50 0 0	•••	50 0 0
Hokitika Lighthouse		51 19 6	***	51 19 6
Cape Egmont Lighthouse		2,419 1 0	100 0 0	2,519 1 0
Totals	85,203 3 9	2,635 15 3	100 0 0	87,938 19 0

TABLE No. 12.

STATEMENT showing the Expenditure for Repairs and Maintenance of Roads, out of Consolidated Fund, 1st July, 1875, to 31st March, 1881, and the Liabilities on latter date.

Dist	ricts.			Expend 31st Mar out of V 1875	ch, 1	880,	Expend durin 12 Month 31st Marc	g the is en	ded	Total Li on Auth and Cor 31st Mar	orit itrac	ies ets,	Total Exp and Lia to 31st Ma	bilit	ies
Expenditure, 1st July,	18 7 5, to	31st	March,	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
Bay of Islands				1,456	13	6	1,133	2	8	1,970	0	0	4,559	16	2
Thames		•••		2,161		3	40	0	ŏ	•		•	2,201		3
Waikato	***			14,665		ī		11	11	501	5	7	17,126		7
Bay of Plenty				11,234		8	3,384		8	4,783	7	1	19,402		5
Poverty Bay			•••	2,038		11		10	0	40	0	0	2,081		11
Napier				2,761		9	78	17	10	1,255	17	6	4,096	12	1
Taupo				249		2	Ι.			· ·			249	12	2
Manawatu				2,358	6	0	1.		1				2,358	6	0
Opaki			.,.	1,184	14	5	١.		1				1,184	14	5
Patea-Wai-iti	•••			3,688	2	3	١.			300	0	0	3,988	2	3
Wanganui				1,638	7	2	4,000	0	0				5,638	7	2
Mangere Bridge				63	0	9			ļ				63	0	9
Wairoa			•••	58	11	9	! .						58	11	9
Seventy-Mile Bush,	Hawke's	Bay		780	- 3	0							780	3	0
Stewart Island			•••	100	0	0							100	0	0
Marlborough	•••	•••	•••		•••		11	9	5		•••		11	9	5
				44,440	11	8	10,610	9	6	8,850	10	2	63,901	11	4
Great South Road	•••		***	4,837	17	7	1,862	8	9	288	8	8	6,988	15	0
Totals	***		***	49,278	9	3	12,472	18	3	9,138	18	10	70,890	6	4

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APPENDICES TO THE PUBLIC WORKS STATEMENT, 1881.

APPENDIX A.

AUDITED STATEMENT OF EXPENDITURE ON PUBLIC WORKS OUT OF THE IMMIGRATION AND PUBLIC WORKS LOAN FOR THE YEAR 1880-81.

Prepared in compliance with Section 9 of "The Public Works Act, 1876."

Public Works Department, Wellington, 2nd June, 1881.

In compliance with the 9th section of "The Public Works Act, 1876," I enclose a statement of the expenditure during the preceding financial year upon all Government works authorized by Parliament under "The Immigration and Public Works Appropriation Act, 1880."

I have, &c., John Hall,

For Minister for Public Works.

The Comptroller and Auditor-General, Wellington.

STATEMENT OF NET EXPENDITURE ON GOVERNMENT WORKS for the Year 1880-81, out of Immigration and Public Works Loan, to be forwarded to the Audit in compliance with Section 9 of "The Public Works Act, 1876."

CLASS.		S	UMMARY.				NE Expendi		₹E.
III.	RAILWAYS		.,	 			£ 969,165		d. 6
IV.	Surveys			 ,,		• • •	7,769		6
V.	Roads			 			179,599		9
VI.	LAND PURCHASES		••	 			57,837		
\mathbf{VII} .	Waterworks on Gold F1	ELDS .	••	 • •••			16,596	13	11
$\mathbf{VIII}.$	TELEGRAPH EXTENSION	•••		 			45,281	8	4
IX.	Public Buildings			 • • • •	•••		205,733	14	5
\mathbf{X} .	Lighthouses			 			2,635	15	3
XI.	Miscellaneous Public W	ORKS .		 	•••		84,091	3	0
	Total Net Exe Works Lo		ON WORK		AND I		£1,568,710	8	3

W. A THOMAS, Accountant, Public Works.

Public Works Department, 2nd June, 1881.

Examined and found correct with corrections as made. (See next page.)

James Edward Fitzgerald,
Controller and Auditor-General.

22nd June, 1881.

Enclosure in Appendix E.

Public Works Net Expenditure, 1880-81.

•		Particulars.	Appropriation.	Expended out of	Expenditure in Excess of	Total Expenditure,
Vote.	Item.			Appropriation.	Appropriation.	Expenditure.
74 75		CLASS III.—RAILWAYS. Kawakawa Coal-mine to shipping-place Whangarei-Kamo—Kamo Coal-mine to shipping-	£ s. d. 47,000 0 0 49,000 0 0	£ s. d. 14,284 8 1 29,488 17 6	•••	£ s. d. 14,284 8 1 29,488 17 6
76		place Kaipara-Waikato-Helensville to Te Awamutu	131,000 0 0	67,396 15 10		67,396 15 10
77		Waikato-Thames, Hamilton to Te Aroha Grahamstown to Kauaeranga	69,000 0 0 30,000 0 0	46,296 13 5 22,269 18 11	***	46,296 13 5 22,269 18 11
78		Wellington-Napier,— Napier to Makatoko	37,000 0 0 85,000 0 0	2 3,532 13 6 61,198 17 6	}	23,532 13 6 61,198 17 6
7 9		Wellington-Foxton, Wellington to Johnsonville	18,000 0 0	7,077 19 4 10,557 1 3	•••	7,077 19 4 10,557 1 3
80		Johnsonville to Wellington Foxton-New Plymouth,— Foxton to Carlyle	18,000 0 0 117,000 0 0	77,029 2 3	•••	77,029 2 3
81		Carlyle to Waitara Nelson-Greymouth,— Port of Nelson to Roundell	82,000 0 0 13,500 0 0	56,753 12 11 8,884 0 10		56,753 12 11 8,884 0 10
		Greymouth to Nelson Creek	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	14,081 18 0	•••	14,081 18 0 20,517 19 1
82		Greymouth Harbour Works } Greymouth-Hokitika—Greymouth to Hokitika }	*28,910 0 0 -7,000 0 0	•		7,412 18 7
83	,	Westport-Ngakawau—Westport to Ngakawau	*8,500 0 0 7,000 0 0	7,000 0 0 2,349 0 1	412-18-7	2,34 9 0 1
84		Picton-Hurunui,— Picton to Blenheim	10,000 0 0		1	16,946 2 6
85		Blenheim to Awatere Hurunui-Waitaki,— Waikari to Waitaki, with Oxford, Eyreton,	 148,000 0 0	100,982 19 8	•••	100,982 19 8
		Lyttelton, Southbridge, Springfield, White- cliffs, Opawa, and Waimate Branches, and Rakaia Protective Works	4000			0.041 0 0
		Main Line to Upper Ashburton Southbridge Branch to Little River Washdyke to Fairlie Creek	4,000 0 0 16,000 0 0 17,000 0 0	2,241 0 9 11,006 14 10 7,823 14 0	•••	2,241 0 9 11,006 14 10 7,823 14 0
86		Canterbury Interior Main Line,— Oxford to Malvern Whitecliffs Branch to Rakaia	14,000 0 0	9,865 16 5	***	9,865 16 5
87		Temuka to Rangitata Waitaki-Bluff,—	2,500 0 0	1,581 5 10	•••	1,581 5 10
		Waitaki to Bluff, with Duntroon, Ngapara, Port Chalmers, Brighton Road, Outram, and Lawrence Branches	265,000 0 0	140,417 15 1	•••	140,417 15 1
]	Ngapara Branch towards Livingstone	12,000 0 0		2,385 0 7	14,385 0 7 2,582 3 4
		Palmerston to Waihemo Main Line towards Catlin's River	3,000 0 0 4,000 0 0	2,582 3 4 $3,151$ 15 1		2,582 3 4 3,151 15 1
		Waipahi to Heriotburn	68,000 0 0	63,958 9 5	•••	63 ,958 9 5
	1	Edendale to Toitois	4,000 0 0	2,781 7 10		2,781 7 10
88 89		Otago Central—Chain Hills to Taieri Lake Invercargill-Kingston,— Invercargill to Kingston	4,000 0 0	53,849 1 5 1,444 16 0		53,849 1 5 1,444 16 0
90		Lumsden to Mararoa Western Railways,—	7,500 0 0	7,500 0 0	74 0 6	7,574 0 6
	1	Makarewa to Riverton Riverton Branch to Otautau	37,000 0 0	23,171 2 4		23,171 2 4
		Otautau to Nightcaps	12,000 0 0	6,665 10 2		6,665 10 2
		Riverton to Orepuki	15,000 0 0 22,000 0 0	. ,	•••	7,604 15 8 22,000 0 0
91		Purchase of wagons Total Appropriation and Expenditure, Class III.		959,347 6 4	•••	969,165 8 6
		CLASS IV.—SURVEYS OF NEW LINES OF	And the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s			
93 94		RAILWAY. Surveys—North Island Surveys—Middle Island	3 ,000 0 0 6,550 0 0	1,664 1 6 6,105 2 0		1,664 1 6 6,105 2 0
949		Total Appropriation and Expenditure, Class IV.	9,550 0 0	7,769 3 6		7,769 3 6
		CLASS V.—ROADS.				
95		North Island	59,500 0 0			4 2,565 4 8
96	1	North of Auckland	66,650 0 0 48,816 18 9		•••	43,772 15 11 25,370 12 7
97		Patea and Taranaki	48,816 18 9 1,650 0 0	25,370 12 7 $700 3 10$		700 3 10
98 99		Nelson to Greymouth and Westport	15,000 0 0	5,31.5 2 0	1 1	5,315 2 0
100		Westland	5,000 0 0	2,555 13 1		2,555 13 1
101		Hokitika to Christchurch	15,427 19 5	7,167 16 1		7,167 16 1
$\begin{array}{c} 102 \\ 103 \end{array}$		Through lands recently purchased To open up lands before sale	10,104 0 10 65,599 9 1	2,220 18 0 49,931 9 7		2,220 18 0 49,931 9 7
		Total Appropriation and Expenditure, Class V.	287,748 8 1	179,599 15 9		179,599 15 9
	! 	1700 to Sand he Order in Council under section 5	O of the Dublic 1	Paranuag Aut (rom Vote 81	to Vote 82

^{* £1,500} transferred by Order in Council, under section 38, of the Public Revenues Act, from Vote 81 to Vote 82.

Public Works Net Expenditure, 1880-81—continued.

Trom	TAGE.	Particulars,	Appropriation.	Expended out of Appropriation.	Expenditure in Excess of Appropriation.	Total Expenditure.
		CLASS VI.—LAND PURCHASES. Land Purchases, North Island	£ s. d. 122,147 3 9	£ s. d. 57,837 5 7	£ s. d.	£ s. 6 57,837 5
		CLASS VII.—WATERWORKS ON GOLD FIELDS. Water-races, North Island Water-races, Middle Island	3,505 11 6 23,210 13 1	3,500 0 0 13,096 13 11		3,500 0 13,096 13 1
		Total Appropriation and Expenditure, Class VII.	26,716 4 7	16,596 13 11	•••	16,596 13 1
		CLASS VIII.—TELEGRAPH EXTENSION. Telegraph extension	43,577 10 0	43,577 10 0	1,703 18 4	45,281 8
		CLASS IX.—PUBLIC BUILDINGS. Judicial	63,429 0 0	55,401 17 7	•••	55,401 17
		Postal and Telegraph	10,475 0 0	9,335 8 0	•••	9,335 8
		Lunatic Asylums Hospitals	55,500 0 0 4,000 0 0	39,604 5 6		39,604 5 2,219 4
		School Buildings	106,031 17 10			99,172 18
	1	Total Appropriation and Expenditure, Class IX.	240,335 17 10	205,733 14 5	.•••	205,733 14
		CLASS X.—LIGHTHOUSES. Lighthouses	4,550 0 0	2,635 15 3	***	2,635 15
		CLASS XIMISCELLANEOUS PUBLIC WORKS.				
	1	North Island,— Bridge over Waipa, on Raglan Main Road	4,000 0 0	2,809 11 3		2,809 11
1	2 3	Road, Tauranga to Opotiki Road, Taupo to Tauranga	1,450 0 0 1,261 8 0	4 25 0 0	•••	425 0
	4	Waimapu Bridge Road, Gisborne to East Cape	5,500 0 0 42 12 0			40 0
} ,	6	Road, Ormond to Opotiki	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	250 0 0	1.1	250 0
	8	Waipaoa River Bridge and approaches Draining Patutahi Block	2 5 0 0	24 19 6	•••	24 19
1	9	Road from Pukekohe Railway Station to Waiuku Road from Pukekohe Railway Station through	205 9 1 45 16 2	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	15 2 2	21 7 60 18
1	1	East Pukekohe District to Bombay Road, Te Awamutu Station to township	650 0 0	156 16 0	•••	156 16
1		Road to Buckland Station Bridge on Road, Karaka to Pukekohe East	300 0 0 150 0 0	150 0 0	•••	150 0
1		Road from Papakura Railway Station to Wai- roa, improvement of	3 5 6	•…	•••	•••
1		Clearing snags, Waikato	100 0 0	100 0 0	•••	100 0
1	6	Tramway at Kamo	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	832 4 9		832 4
	8	Bridge over Waikato at Hamilton, contribution Mangere Bridge, repairs	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	218 17 2 1,392 14 6	•••	218 17 1,392 14
- 1	ő	Alexandra Bridge	300 0 0	1,552 14 0	•••	1,002 14
	1	Wharf, Marsden Point contribution	300 0 0	996 0 5	t • •	226 9
	3	Road, Napier to Taupo Bridge over Ahuriri Harbour	1,414 0 10 6,276 6 10	226 9 5 5,880 14 9	•••	226 9 5,880 14
	4	Mountain Road, Taranaki Main Road, Stoney River to Waitotara (within	962 4 9 414 3 0	962 4 9	***	962 4 41 4 3
	6	the Patea County) Loan to Waitara Harbour Board	1,500 0 0	1,000 0 0	•	1,000 0
2	7	Clearing snags, Waitara River Road, Seventy-Mile Bush, Opaki to Kopua, in-	5 14 7 73 9 5	73 9 5	•••	73 9
	- 1	cluding Manawatu Gorge Road			•••	
	9	Ruamahunga Bridge, Opaki Road Road, Rangitumau	3,173 17 11 284 15 6	3,173 17 11 284 15 6	•••	3,173 17 3 284 15
3	1	Road and bridge, Mungaroa to Waikanae	4,500 0 0	4,500 0 0	***	4,500 0
	3	Road in Manchester Block	16 0 0	1 400 1 10	•••	1 409 1
	4	Road, Foxton to Otaki inland Road, Masterton to Castlepoint	1,725 5 2 293 18 5		•••	1,482 1 3 293 18
	5	Road, Karere, Manawatu	200 0 0	200 0 0	•••	200 0
	6	Manawatu Bridge approaches Refund expenditure on Manawatu Gorge Road	15 13 5 806 0 0	22 7 8 0	•••	227 8
	8	Manawatu Gorge Road	550 O O	256 18 5	•••	256 18
3 -	9	Combined bridge over Waiohine	1,200 0 0	11 2 0		11 2
	$\begin{bmatrix} 0 \\ 1 \end{bmatrix}$	Bridge over the Ruamahunga at Hurunuioranga Road, Opaki, Manawatu	570 16 8 2,000 0 0		. ,	570 16
		Middle Island,—	•		""	
	3	Road, Oronoko to Stanley Brook Road, Takaka (within Takaka Road District)	673 0 0 21 6 0		•••	673 0
		to Motueka, over Mount Arthur Range, and completion of approach to wharf, Waitapu	0		•••	
		Total Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Tarana and Taran				

Public Works Net Expenditure, 1880-81—continued.

Particulars.		,	PUBLIC WORKS NET EXPEN	DITURE, 1000-	OI CONTINUE		
Class XI.—Miscellansors Public Works-contisued.	Vote.	Item.	Particulars.	Appropriation.	out of	in Excess of	
Class XI.—Misceplannous Public Works—continued. Middle Island—continued. Takaka Tramway			•				
Middle Island—continued.			Brought forward	44,124 19 6	26,698 7 0	•••	26,713 9 2
Takska Tranway	!						
45 Road, Takaka to Motueka			${\bf Middle\ Island} continued.$				
46	1				700 0 0	i i	700 0 0
Bridge over Wairon, in Waimen District S48 8 7 192 7 10 192 7 10						1	
48							192 7 10
Bridge over Juangahun			Rai Road, County Waimea				
Still 2 9						1	
Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Sect							
Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample Sample S						1	
54			Wakamarina Road, County Marlborough				
56			Main road through Pelorus District		6,097 3 6	•••	6,097 3 6
Typer Waitaki Bridge Strings S					500 0 0		500 0 0
10						' /	
Big					-,		8,000 0 0
60 Bridge over Teremakan, Kumara				3,000 0 0	3,000 0 0		3,000 0 0
Bridge over Hokitika, at Kanieri				1 1 to 0 0	7 E 0		7 5 9
Road by coast from Hokitika to Haast Pass 2,018 1 0 1,679 2 7 1,679 2 7 17 10 0 17 10 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,819 11 0 3,8							
Purchase of Beaumont Bridge							
Kawarau Bridge, at Junction of Arrow River Portobello Road			Purchase of Beaumont Bridge	-/			17 10 0
Anderson's Bay Road			Kawarau Bridge, at Junction of Arrow River		3,819 11 0	•••	3,819 11 0
Subsidy to complete Clutha Bridge Erection of jetty and shed at Catlin's River 34 12 6 6					171 0 0		171 9 9
Erection of jetty and shed at Cattin's River 34 12 6			Anderson's Bay Road			1	
Completion of road from Maori Kaika to Taiar roa Head Lighthouse Stridge over Oreti, at Elbow			Erection of jetty and shed at Catlin's River			1	•••
Completion of road, Waikari to Waitati		6 9	Completion of road from Maori Kaika to Taia-	615 1 4			
Total Completed Stridge, in lieu of advance out of 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,000 0 2,0			Bridge over Oreti, at Elbow				
Bridge over Kaikorai Stream			Hungerford Bridge, in lieu of advance out of			1	
Allowance to widow of David Marchbanks, Inspector of Public Works Roads in deferred-payment blocks disposed of prior to 1st January, 1880 For loans to local governing bodies to enable them to repair damages caused by recent floods Contingencies to be recovered from local bodies Railway Commission Clutha and other Commissions Kaikoura Jetty Removal of rocks, Catlin's River Amounts payable to Counties in respect of Stoppages from Surplus Land Revenue,— Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Canterbury Cant	i	73					20.5
This property of Public Works Roads in deferred-payment blocks disposed of prior to 1st January, 1880 To loans to local governing bodies to enable them to repair damages caused by recent floods To loans to local governing bodies to enable them to repair damages caused by recent floods To loans to local governing bodies to enable them to repair damages caused by recent floods To loans to local governing bodies enable To loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to loans to lo			Queenstown Jetty			· 1	
Prior to 1st January, 1880 For loans to local governing bodies to enable them to repair damages caused by recent floods 200 0 0 9 6 0 9 6 0		75	Inspector of Public Works			•••	10s. 1 5
For loans to local governing bodies to enable them to repair damages caused by recent floods Contingencies to be recovered from local bodies Railway Commission		76		30 0 0		•••	***
78 Contingencies to be recovered from local bodies 79 Railway Commission		77	For loans to local governing bodies to enable them to repair damages caused by recent	1,565 0 0	***	144	***
Railway Commission		78	Contingencies to be recovered from local bodies	200 0 0	960		
80 Clutha and other Commissions 750 0 0 567 14 8 1,012 8 1,012 8 5 1,012 8 5 1,012 8 5 1,012 8 5 1,012 8 5 1,012 8 5 1,012 8 5 1,012 8 5 1,012 8 5 1,012 8 5 1,012 8 5 1,012 8 5 1,012 8 7 124 8 7 124 8 7 124 8 7 124 8 7 124 8 7 124 8 7 124 8 7 124 8 7 8 408 18 2 8 408 18 2 8 408 18 2			Railway Commission	2,850 0 0			
S2 Jackson's Bay Jetty 10 0 0 10 0 0 22 6 4 32 6 4 124 8 7		80	Clutha and other Commissions				
Removal of rocks, Catlin's River 1,000 9 7 124 8 7 124 8 7 124 8 7 Amounts payable to Counties in respect of Stoppages from Surplus Land Revenue,— 84 Canterbury 8,408 18 2 8,408 18 2 8,408 18 2 8,408 18 2 5,427 12 4 5,427 12 4 5,427 12 4 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2 904 6 2			Kaikoura Jetty	_, _,			
Amounts payable to Counties in respect of Stoppages from Surplus Land Revenue,— 84			Removal of rocks. Cathin's River				
84 Canterbury 8,408 18 2 8,408 18 2 8,408 18 2 86 Harbour Defences 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 18,408 18 2 .		60	Amounts payable to Counties in respect of Stop-	2,000			
85 Otago 5,427 12 4 5,427 12 4 5,427 12 4 904 6 2 5,427 12 4		84		8,408 18 2	8,408 18 2		8,408 18 2
86 Harbour Defences 9,486 6 3 904 6 2 904 6 2				5,427 12 4	5,427 12 4		
Total Appropriation and Expenditure, Class XI. 137,678 9 9 84,046 3 0 84,091 3 0				9,486 6 3	904 6 2	•••	904 6 2
			Total Appropriation and Expenditure, Class XI.	137,678 9 9	84,046 3 0	•••	84,091 3 0
					J		

APPENDIX B.

STATEMENT of all Liabilities in respect of the Services of the Public Works Department outstanding at the close of the Financial Period ended 31st March, 1881, prepared in terms of Section 3 of "The Public Revenues Act, 1880," and forwarded, as therein provided, to the Audit Office.

SUMMARY.

Class.	Votes.	Particulars of Service	e.		Amount.	Total	i.	
II. III. IV. V. VII. XI.	71–73 74–92 93–94 95–102 105–106	Immigration and Public V Departmental Railways Surveys of new lines Roads Waterworks Miscellaneous public works	Works Lo	OAN	£ s. d. 647 18 3 428,687 1 8 406 6 8 65,464 16 7 11,029 17 8 38,591 8 10	£	s.	d.
		Liabilities of the Public Works Immigration and Public Work Consolidated Fu	ks Loan nd.	•••		£544,827	9	8
		Liabilities Vote I., item 48, and Services, Class XI., Vote 62	•••	aneous	17,570 17 5	£17,570	17	5
		Accountant, 30th April, 1881.	THOMAS, Public W	orks.				
11.	71	DEPARTMENTAL PUBLIC Departmental Head Office,— (Nil)						
	72	Head Office, North Island,— Contingencies			152 18 5	- 152	18	5
	73	Head Office, Middle Island,— Contingencies			494 19 10	- 494	19	10
		Total Class II.	•••		•••	£647	18	3
III.	74	RAILWAYS. Kawakawa,— Contingencies Contracts Material ordered from Engle	 and	 	363 19 2 23,732 9 10 1,065 13 7	05 160	0	7
	7 5	Whangarei-Kamo,— Contingencies Contracts Material ordered from Engle	 and		1,702 7 7 3,239 5 11 2,140 15 9	- 25,162 - 7,082	9	7 3
	76	Kaipara-Waikato,— Salaries Contingencies Contracts Land compensation Material ordered from Engle	 and	•••	104 2 8 22,708 7 9 33,226 4 1 73 11 10 4,404 10 4			
		Carrried forward		•••	**************************************	92,761	8	6

STATEMENT of all LIABILITIES, Public Works Department—continued.

lass.	Votes.	Particulars of Service.			Amount.		Tota	1.	
					£ s	d.	£	s.	. (
		Brought forward .	••	•••	•••		92,761	8	•
[1.		RAILWAYS—continued.							
	77	Waikato-Thames,-							
		Contingencies .	••	•••	1,033 11	- 1			
		Contracts Material ordered from England	••	•••	4,065 16 14,485 3	8 9			
				-	11,100		19,584	12	
	7 8	Wellington-Napier,— Salaries			C 11	9			
		Contingencies .	••	•••	6 11 10,091 6	$\frac{3}{8}$			
-		Contracts	••	•••	4,646 9	4			
		Land compensation	••		18 11				
		Material ordered from England			10,340 17	11	OF 100	4	
	79	Wellington-Foxton,—		-			2 5,103	17	1
		Contingencies .	••		808 6	8			
		Contracts .			5,967 1	6			
		Material ordered from England		•••	5 8 3	6	0.000		
	80	Foxton-New Plymouth,-					6,833	TT	
	•	Salaries .			52 0	4			
		Contingencies .			14,658 19	7			
		Contracts .	••	.,.	38,234 3	6			
		Land compensation Material ordered from England	••	•••	255 0	0			
		Material ordered from England		_	11,061 5	5	64,261	8	1
	81	Nelson-Greymouth,—					· -,	•	
			••		45 0	0			
		Contingencies .	••	•••	4,617 15	8			
		T and common action	••		5,766 3 88 1	4 0			
			• • • • • • • • • • • • • • • • • • • •	-			10,517	0	
	82	Greymouth-Hokitika,—		-	000 10	•			
		Contingencies . Contracts .	• •	•••	$ \begin{array}{ccc} 260 & 13 \\ 42 & 0 \end{array} $	0			
		Land compensation .	••		$\begin{array}{ccc} 42 & 0 \\ 152 & 1 \end{array}$	ŏ			
-		-					454	14	1
	83	Westport-Ngakawau,— Contingencies			2,506 19	1			
ĺ		Contingencies .	••		2,500 15		2,506	19	
	84	Picton-Hurunui,—					,		
		1 _ 0	• •	•••	77 13				
		Contracts .	••		78 14	10	156	8	
	85	Hurunui-Waitaki,					100	0	
		Contingencies .			30,694 0	8			
		Contracts .	••	•••	15,802 17	7			
		Land compensation Material ordered from England	••	•••	130 1 8,401 11	44			
		Material ordered from England		_	0,401 11		55,028	10	1
	86	Canterbury Interior Main Line,-				Ì	,		_
		Contingencies .	••	•••	2,075 7	1	0.075	,,	
1	87	Waitaki-Bluff,					2,075	7	
	0,	Contingencies .			54,084 16	7			
		Contracts .	••		40,925 16				
İ			••	•••	1,942 5	4			
		Material ordered from England		•••	9,899 7	1	106,852	5	1
	88	Otago Central,—					100,002	J	T
		Contingencies .	••			10			
		Contracts .	••		18,373 0	9			
		Land compensation .	••	•••	12 10	4	00.070	1 P	
				-	· · · · · · · · · · · · · · · · · · ·		20,076	т9	1
1		Carried forward .			•••	ĺ	406,213	0	
- 1							,		

STATEMENT of all LIABILITIES, Public Works Department—continued.

Class.	Votes.	Particulars of Service	•		Amount.		Total	l .	
		Brought forward	•••		£ s.	d,	£ 406,213	s. 0	d. 2
III.		Railways—continue	d.						
	89	Invercargill-Kingston,— Contingencies Contracts			1,570 7 478 14	6 7			
	90	Western Railways,— Contingencies Contracts	•••	200	9,968 14	$\frac{2}{10}$	2,049	2	1
		Land compensation Material ordered from Englan	nd		7 10 8,605 0	0 5	90.494	10	5
	91	Purchase of wagons (nil)	•••	•••			20,424	19	5
	92	Works for unemployed	* * *		4 4 9				
-		Total Class III.—R	ailways	• •,	•••		£428,6 8 7	1	8
									_
IV.	93	SURVEYS OF NEW LINES OF Surveys, North Island,— Contingencies (nil)	RAILWA	У.	···				
	94	Surveys, Middle Island,— Contingencies	•••		406 6	8,	406	6	8
		Total Class IV.—Su	rveys	•••	•••		£406	6	8
v.	95	Roads. North Island,—							
		Salaries Contingencies Contracts Grants to local bodies	•••		17 8 $7,223 10$ $4,064 19$ $2,003 1$	9 6 3 1	19.000	10	jag.
	96	Roads North of Auckland,— Contingencies Contracts Grants to local bodies			14,096 15 4,597 3 1,687 6	4 5 6	13,308	19	7
	97	Roads and Bridges in Unsettled and Taranaki,—	Districts,	Patea -			20,381	5	3
		Contingencies Contracts	•••		6,025 8 3,742 8	$\frac{5}{1}$	9,767	16	6
	98	Nelson South-West Gold Fields, Contingencies	_		56 18	7		18	7
	99	Roads, Nelson to Greymouth and Contingencies Contracts	ł Westpo 	rt,— 	5,674 10 3,691 17	8	9, 366	7	8
	100	Westland,— Contingencies			234 14	3			
	101	Hokitika-Christchurch, Contingencies Contracts	***		3,356 12 1,187 0	5 0	234		
		~					4,543		
		Carried forward	•••	•••	•••		57,659	1 14	1

STATEMENT of all LIABILITIES, Public Works Department—continued.

Class.	Votes.	Particulars of Service		Amount.	Total.
		Brought forward		£ s. d.	£ s. d. 57,659 14 3
v.		ROADS—continued	•		
	102	Opening up Roads through Land chased,—	ls recently pur-		
		Contingencies		5,036 1 0	
1		Contracts		1,269 1 4	
1		Grants to local bodies		1,500 0 0	
		W 4 1 01 77 70	,		7,805 2 4
		Total Class V.—Roa	ids		605 101 10 5
					£65,464 16 7
VII.		WATERWORKS ON GOLD	FIELDS.		
	105	Water-races, North Island,—			
		Land		5 11 6	
1					5 11 6
	106	Water-races, Middle Island,—		0.00 0.0	
		Contingencies Contracts	•••	$\begin{bmatrix} 2,607 & 2 & 6 \\ 8.417 & 3 & 8 \end{bmatrix}$	
1		Contracts		8,417 3 8	11 004 6 0
ľ		Total Class VII.—	Waterworks on		11,024 6 2
		Gold Fields	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		£11,029 17 8
VI	11~	7/	W		
XI.	115	MISCELLANEOUS PUBLIC		7.192 1 10	
		Contingencies Contracts	•••	7,192 1 10 8,998 7 10	
		Grants to local bodies, balance	e of amount	22,400 19 2	
1		Giants to focus boutes, butter	Of amount	22,100 10 2	38,591 8 10
			-Miscellaneous		
		Public Works			£38,591 8 10
1					
XI.		Consolidated Fun	ъ		
Δ1.		Liabilities of 1879–80, Vote I	item 48 and		
-		Class XI., Miscellaneous	Services		
		Contingencies		9,007 15 6	
-		Contracts		3,835 0 8	
		Land	•••	1,561 16 0	
		Grants to local bodies		. 3,166 5 3	
1			7.5. 37		17,570 17 5
1		1 01 1 01 371	n a " 11	I .	l .
		Total Class XI	-Miscellaneous	1	£17,570 17 5

APPENDIX C.

ANNUAL REPORT ON RAILWAYS IN THE NORTH ISLAND BY THE ENGINEER IN CHARGE.

The Engineer in Charge, North Island, to the Hon. the Minister for Public Works. Sir,—

Public Works Office, Wellington, 31st March, 1881.

I have the honor to forward the annual report on railway works executed and in progress during the year ending 31st March, 1881.

The expenditure on railways in the North Island up to that date, exclusive of preliminary surveys, was 3,560,989 14 7

The amount of contracts let and other liabilities 208,544 18 4

Total expenditure and liabilities £3,769,534 12 11

Below is a table showing lengths of lines and miles opened for traffic in the North Island, with expenditure and liabilities on each; and at the end of this report is another table, giving list of railways and contracts completed or in progress, times of completion, &c.

During the year a length of 69 miles has been opened for traffic.

NAME	OF RAILWA	AY.		Expend to 31st March		81.	Liabilities on 31st March, 1881.	Length.	Open for Traffic.
Kawakawa		D	 	£ 42,695 32,923 1,081,646 95,890 1,228,940 43,364 1,035,528	10 16	d. 2 1 4 9 0 8	£ s. d. 25,162 2 7 7,082 9 3 60,516 16 8 19,584 12 4 25,103 17 0 6,833 11 8 64,261 8 10	M. ch. 7 79 6 52 146 45 62 1 221 39 71 15 217 68	M. ch. 2 68 4 50 130 31 1 1 138 57 157 13

AUCKLAND DISTRICT.

KAWAKAWA RAILWAY.

Taumarere Contract (1 mile).—This is now nearly completed. The contract time expired on 2nd

instant, but it will probably be the middle of May before all the work will be finished.

Kawakawa Contract, No. 3 (4 miles 5 chains).—This includes the remainder of the formation, the terminal wharf in deep water (21 feet at low-water springs), and the plate-laying complete. The whole has been let by contract, to be completed by the 6th June, 1882. The contractor is making satisfactory progress.

WHANGAREI-KAMO RAILWAY.

The Kamo Contract (2 miles 55 chains) and the Whangarei Contract (5 miles 25 chains), described last year, have both been finished, as has also a temporary branch (40 chains long) to the town wharf. This was laid to give present facilities for shipping coal, pending the completion of the line to a permanent wharf in deeper water. It was opened for coal traffic 28th October, 1880, and for passenger traffic on the 3rd March, 1881.

The site for the terminal wharf has been surveyed and decided on. It is situated in the long reach about 1 mile 60 chains below Limeburners' Creek, reckoning by the river. There will be about 9 feet alongside at low water, and about 15 feet at high water.

The wharf and the remainder of the line is now advertised for public tender (5 miles 25 chains to

6 miles 40 chains).

KAIPARA-WAIKATO RAILWAY.

Waitakerei Contract (12 miles 64 chains; between 10 miles 0 chains and 22 miles 69 chains at the Kumeu Junction).—This should have been finished 11th September, 1880, but much time was lost in beginning the tunnel and in other ways. It is expected that it will be ready for traffic about July next, and the line will then be opened through from Auckland to the Kaipara (Helensville). A portion of this contract was opened for public traffic on 21st December, 1880—viz., from 10 miles to 11 miles 5 chains (Henderson's Mill).

Newmarket Junction Station Contract (58 chains).—This has been satisfactorily completed, and a commodious and roomy station-ground is the result. The work was finished and opened for traffic on

11th December, 1880.

Newmarket Workshops Site.—This work was completed satisfactorily on 25th November, 1880.

Reclamation Contract, Auckland Harbour.—This work is now being carried on under a second contract, the first having been determined. The contractor is making good progress, the front retainingwall being the principal and important part of the work.

The main sewers, which according to the first design discharged into the space between the Queen's Wharf and Railway Wharf, will now discharge to the east of the Railway Wharf. This is under a special arrangement with the city authorities, at whose desire the change was made.

Ohaupo Contract (6 miles 20 chains).—This work has been completed, and the line was opened for

traffic on the 1st July, 1880, completing the entire length of railway southwards in the Waikato to Te Awamutu, within two or three miles of the confiscated boundary.

WAIKATO-THAMES RAILWAY.

The several formation contracts described last year have all been completed; and, with a view of extending the formation from Hamilton towards the Thames, the line has been resurveyed from the end of the "Waikato contract," 14 miles, to Morrinsville, about 18 miles, and tenders will shortly be called for this work.

A similar survey has been made in the Thames Valley, with the view of extending the formation

to Kopu, where there is a wharf.

Hamilton Railway Bridge.—Advices have been received from England as to the near completion of the piers and superstructure for this bridge, and of the shipment of a large proportion of the materials. Tenders will shortly be called for for the erection of the bridge.

MISCELLANEOUS WORKS.

Mangere Bridge Repairs.—This contract has been completed.

SURVEYS.

From Auckland Northwards.—This was described as being in progress last year, and a report furnished. The survey has since been completed to Whangarei, and attached to this is the remainder of the report, with map in explanation.

Hamilton-Cambridge.—A careful resurvey of this line will be made, and plans and sections will

probably be ready by June.

HAWKE'S BAY DISTRICT.

NAPIER-WOODVILLE.

Makatoko Permanent-way Contract (65 miles 57 chains to 69 miles 70 chains).—This contract has been completed, and the line was opened for traffic to Makatoko on the 9th August, 1880.

Matamau Section (4 miles 20 chains).—With the view of affording work to the unemployed settlers in the Seventy-Mile Bush, the works on this length of railway were begun in December, 1880. Employment was offered to married men at the rate of 4s. per day of eight hours (or piecework corresponding to that rate), and about 22 responded to the offer. The numbers have since gradually increased to about 40 to 45. It was found that the character of the work was not favourable to piecework, and the men generally were not inclined to work together as partners, so that the work, as a rule, has been done by day-labour.

SURVEYS.

The suggested survey of the alternative line mentioned in last year's report (76 miles to 85 miles) has been completed as far as the field work is concerned, and the line is now being plotted: it would appear that this line is an improvement on that first surveyed, although it involves the construction of one more large viaduct, and the purchase of freehold land through which it would pass.

The line has been definitely pegged off from 69 miles 70 chains to 93 miles 20 chains, or within 3½ miles of Woodville Township, and there joined on to the old trial line.

MISCELLANEOUS WORKS.

Port Ahuriri Bridge, at Spit, Napier.—The contract for this work was satisfactorily completed on contract date, 13th August, 1880, and the bridge was opened on the 16th of the same month for

public traffic.

Training-wall at Eastern Approach of Spit Bridge.—The object of this work is to cause a current along the face of the breastwork, where the shipping lies, and so remove, or partially so, the mud and silt which had gradually accumulated there. The supply and delivery of the stone for this work was let by contract, and the placing of stones has been done by day-labour. About 4 chains of the work have been completed, and the whole (about 82 chains) will probably be done by the end of May.

MANAWATU DISTRICT.

Foxton Station Contract.—This includes new wharf, which, with the old portion, gives 500 feet of frontage for vessels; new railway-station yard, $3\frac{1}{2}$ acres; also, 1 mile 31 chains of new railway deviation, passenger-station buildings, goods-shed, engine-shed, cattle-pens, and other conveniences. The work is progressing satisfactorily, and the contract time expires on the 18th August, 1881.

Wanganui Wharf and Reclamation Contract.—This has been satisfactorily completed since last report. The wharf has been in use for some time; but the railway traffic has not yet been brought into the new station, as some additions to the buildings and other accommodation have been found necessary, and must be completed before the station can be used beneficially.

Workshops Contracts.—All completed, and the machinery erected and set to work.

Waitotara Contract (13 miles 5 chains).—This contract, after great delay, has been completed, and the section was opened for public traffic on the 20th September, 1880.

Waverley Contract (6 miles 70 chains).—This work has also been completed, and the section was opened for public traffic on the 23rd March, 1881.

Surveys.

Waverley to Carlyle.—The survey for this section of railway is in hand. Two lines will be submitted for approval: one closely adhering to the original trial line, inland; the other taking a direction from Waverley towards the coast, then rounding the cliffs and entering the Patea Valley near the sea, and joining the new station now being constructed at Carlyle. It may be found that it will be better to adhere to the inland line, as being shorter, and lying within settled and improved lands, likely to give

a much larger amount of traffic to the railway than the coast-line.

Bunnythorpe-Woodville.—The survey of this trial line has been completed through the Manawatu Gorge from 8 miles to 12 miles 30 chains, and the plotting is now in hand. It crosses the Pohangina River, a branch of the Manawatu, and then follows the north bank of the Manawatu, thus avoiding

the crossing of that river.

Land Plans, Waitotara to Waverley.—These have been completed.

Palmerston to Horowhenua (25 miles 466 chains).—This trial survey has been completed, and plans and sections plotted. It is thought that some portion of this line may be revised with advantage to avoid flooded lands, and this work will be undertaken at a favourable time.

Foxton to Horowhenua.—A deviation to avoid a large extent of flooded land has been surveyed

(5 miles 1961 chains), and will be a great improvement.

The distances on these trial lines are,-

Foxton Station to Horowhenua Junction, by first survey, 11 miles 20 chains; by deviation, 13 miles 5 chains.

From Palmerston (making use of 4 miles 5 chains of the opened line towards Foxton) to Horowhenua Junction, 29 miles 9.66 chains.

From Palmerston vid Foxton to Horowhenua Junction, by first trial line, 34 miles 50 chains; the same by the deviation above described, 36 miles 35 chains.

Foxton to Palmerston, by opened line, 23 miles 30 chains.

PATEA-NEW PLYMOUTH RAILWAY.

(SOUTHERN SECTION.)

Carlyle Station Contract.—This includes about one mile of railway formation and plate-laying, with bridge over the Patea River, the construction of a wharf or breastwork of 540 feet frontage, and the reclamation of sufficient ground for a railway-station: the latter will be on the south side of the Patea River, immediately below the bridge on the main line of road. The work was let on 29th September, 1880, and is rather more than half finished: the date of completion is 29th September, 1881.

Works Executed by Parties of Unemployed.—Several parties of these were sent from Wellington, The work was let on 29th Sep-

commencing in July, 1880: these were divided into three camps, and set to work between Carlyle and Manutahi (a distance of about 8 miles), and were working up to the end of December. During this time they completed about two miles of formation, representing about 49,000 cubic yards of earthwork. Including wages, hire of drays, and all incidental expenses, the average cost of this was about 1s. 6d. per cubic yard, which, under the circumstances, may be considered a good result, the work being begun in midwinter, the men for the most part being unused to such work, and the average lead exceeding 15 chains.

Earthwork Contracts.—No. 1, 47 chains, and No. 2, 45 chains, are completed; No. 3, 6 chains, No. 4, 36 chains, and No. 5, in two pieces of 31 chains and 57 chains respectively, are in hand; three other contracts for bridges and large culverts are completed; and Earthwork Contracts Nos. 6 and 7 are now being advertised. These works, together with that done by Public Works labour (unemployed), will complete about 5 miles of formation, exclusive of 1 mile in the Carlyle Station contract. The earthwork under the "petty contracts" has cost about 1s. 1d. per cubic yard, the leads as a rule being

long.

Beyond the above only one more culvert, 3-feet diameter and 230 feet long, will be required between

Carlyle and Manutahi; and no other bridges beyond those already let or finished.

It is proposed shortly to prepare and advertise for public tender a contract for permanent way, stations, and other works necessary to complete this section (Carlyle-Manutahi, about 6 miles) for public traffic.

PATEA-NEW PLYMOUTH RAILWAY.

(NORTHERN SECTION.)

Mangawhero Contract (22 miles 20 chains to 29 miles).—About 31 miles of this was opened for traffic on the 27th September, 1880, and the remainder was completed on 30th November, the portion extending to 28 miles 20 chains (Eltham) being opened for traffic on 7th February, 1881. A road was opened through the bush from Eltham Station to the Mountain Road, about 40 chains, to render this station accessible.

Waingongoro Contract (29 miles to 33 miles 34 chains), Formation and Permanent Way.—This contract should have been completed by 31st March, but it will be some time longer; it is expected, however, that the line will be linked in and finished sufficiently in a week or two to allow of the passage of permanent-way materials for the extension of the line to Hawera, intended to be opened for traffic by the end of June.

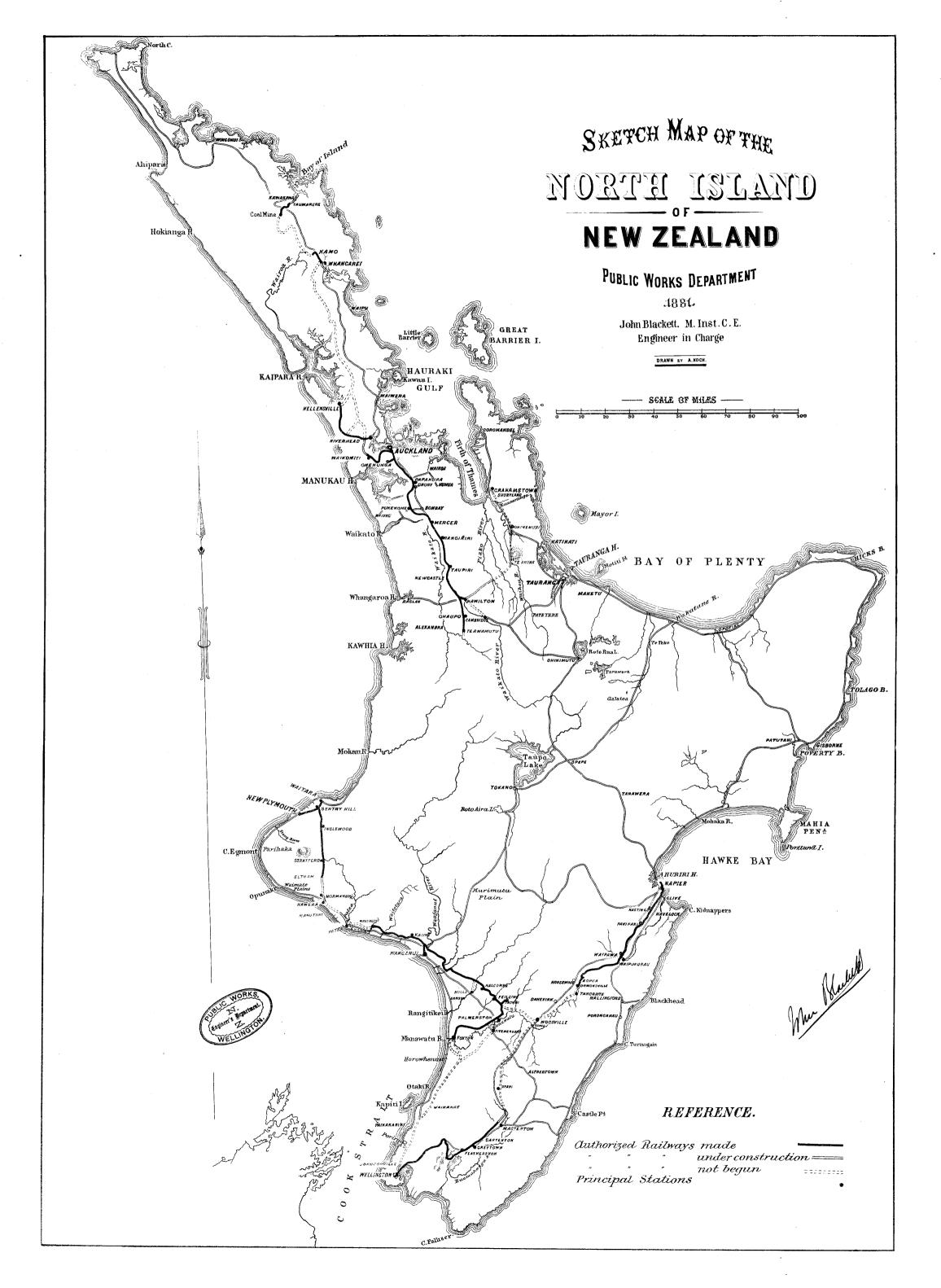
The earthworks on the Waingongoro contract are the heaviest on this line, and demanded the most vigorous exertions on the part of the contractors to complete them within the required time.

Normanby Section (33 miles 34 chains to 37 miles 34 chains).—The formation of this portion of

the line is completed.

Hawera Formation Contract (37 miles 34 chains to 40 miles 68 chains).—This should have been completed by 31st March, but some work still remains to be done.

Hawera-Normanby, Permanent-Way Contract.—This extends over the two last-named formation contracts. Its provisions are that the line shall be ready for traffic as far southwards as Normanby on



the 30th May, and to Hawera one month later. These dates will however be later by some weeks, as the delivery of the permanent-way to the contractors did not commence at the stipulated time.

Workshops, Sentry Hill.—The machinery in these has been erected and set to work, and the formations and rail-laying in the workshops yard have been completed.

Rolling-stock.—Two 6-wheel composite and one 6-wheel second-class carriages have been erected and handed over to the Railway Department. Two cattle-vans have been altered to carry horses. One second-hand Class D locomotive engine has been added to the stock; as also two new engines of the same class. Ten low-side wagons and six timber trucks are being erected.

WELLINGTON DISTRICT.

Carterton Contract (20 miles 41 chains).—This work has been satisfactorily completed, and the line throughout to Masterton was opened for public traffic on the 1st November, 1880, and is now in good working order.

Opaki Section.—This lies immediately beyond Masterton. A small number of "unemployed" were sent from Wellington in March, 1880, and were kept at work on it until the end of December, 1880.

No other work has been done since.

Wellington Railway-station.—The works under contract were sufficiently advanced to allow of the line and the passenger-stations being used by the 1st November-on the occasion of the line being opened to Masterton—and the remainder of the necessary works have since then been pushed on as rapidly as possible, including a goods-shed, 150 feet long, and the platelaying in numerous sidings, which is still being proceeded with.

Station Buildings, Fencing, &c.—Numerous small contracts have been let and completed for

such works along the line, and some are still in hand.

SURVEYS.

Wellington-Foxton Railway.—These have been carried on beyond Paikakariki to beyond Otaki, and it is expected that by the middle of May the surveyors will have reached the junction with the other lines already surveyed southwards from Foxton and Palmerston, at Horowhenua.

Land Plans.—These have been prepared for the extension of the line beyond Masterton to Opaki; Clareville Station; Wellington Station and reclaimed land; and on the Wellington-Foxton Railway for

the section from Kaiwarra to Johnsonville.

MAPS.

One outline map of the North Island, showing railway line, &c., is attached to this report; also one map in illustration of exploration survey north of Auckland.

The Hon. the Minister for Public Works.

I have, &c., JOHN BLACKETT, Engineer in Charge North Island.

Enclosure 1 in Appendix C.

TABLE of Lengths of Government Lines Authorized, Constructed, and Survexed, up to 31st March, 1881. NORTH ISLAND.

												702	State of Line.	ine.						
Appropriation.	Subdivision.	 leage.	Subdivision.	Main Line.	lings.	Total.		Under	Under					dO	Opened.					8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		!WI			PIS		Ming		riace- laying.	Date.	187	1873-4 1874-5		1875-6 1876-7		1877-8 18	1878-9 1879-80 1880-1	79–80 1		Total.
Kawakawa	Kawakawa	M. chs.	Kawakawa	M. chs.	M. chs.	M. chs.	M. chs.		M. chs.	22 Feb., 18	1877 M.	M. chs. M	M. chs. M	M. chs. M	M. chs. M	M. chs. M	M. chs. M	M. chs.]	M. chs.	M. chs.
		•	Taumarere				:	1 0				 : :			· ·	 : :	 : :	 : :	: :	} •
Whancarei-Kamo	Whangarei-Kamo	7 10	Contract No. 3 Kamo	4 2 2 2 2 2 11	0 20	4 2 2 2 2 2 1 2	: :	; ;			880	: :	: :	:	: :	:	: :	:	25.55	:
and and and and and and and and and and					~ 1 40		: :	: :		28 Oct., 10	1880	 : :	 : :	: :	 : :	: :	: :	: :	1 75 (7.0 00
			Town Wharf "	0 98	8 0		::	::		28 Oct., 13	1880		::	::	::	: :	: :	: :	98 0	
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Kaipara-Waikato	Kaipara-Auckland	41 36	Kaukapakapa-Helens-	24-04-04-04-04-04-04-04-04-04-04-04-04-04	:		Esti-	:	:	:		:	:	:	 :	:	:	:	:	:
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TABLE of LENGTHS of GOVERNMENT LINES AUTHORIZED, CONSTRUCTED, and SURVETED up to 31st March, 1881-continued. Enclosure 1 in Appendix C-continued.

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Enclosure 2 in Appendix C.

FURTHER REPORT ON EXPLORATION for a RAILWAY LINE from HELENSVILLE to WHANGAREL. Mr. C. B. KNORPP, Inspecting Engineer, to the Engineer in Charge, North Island.

Public Works Office, Wellington, 31st March, 1881.

The tunnel, $6\frac{1}{2}$ chains long, mentioned in last year's report, is the summit between the Waitepoko and a branch of the Kikowhiti, which flows into the Mangonui. From this tunnel the line follows the valley of this stream and then of the Kikowhiti in a rather circuitous course, with moderate grades and work; then passes through the first Mareretu Gum Field, across the Taipo Stream, near the road-bridge; through the second Mareretu Gum Field, across the Mangonui River, a short distance below the road-bridge; along the right bank of that river, through the Waikiki Gum Field, through three short deep cuttings to the watershed between the Mangonui and Tauraroa, where there will be heavy earthwork and a viaduct of considerable size near it. From this watershed easy grades with light work can be obtained by following the left bank of the Homaiwhare, a tributary of the Tauraroa, up to the road from Mangapai to Tangahua, crossing this stream, and then along the foot of the spurs, crossing and recrossing the Tauraroa, and running along the latter and a small tributary to it past Mr. James's homestead, through the watershed between the Tauraroa and the Otaika. The line would then follow the valley of the Puera, a tributary of the Otaika, to its junction with the latter; then the right bank of the Otaika to a little below the road-bridge, cross that stream, cut through a low ridge between it and Limeburners Creek, run along the right bank of Limeburners Creek, cross this creek, and join the Whangarei-Kamo Railway about half a mile north of Limeburners Creek.

From the tunnel to the junction with the Kamo Railway grades of 1 in 50 can be obtained, with the exception of the grade into the valley of the Tuera, where a landslip of considerable extent will

probably force the line to be taken below that slip, necessitating a grade of 1 in 40.

Except in two places the earthwork and bridging will be below the average of North Island

railways.

The country all round the northern side of the Wairau basin has been examined, but no point lower than 450 feet above sea-level and suitable for a tunnel could be found. About 2 miles is the greatest length that can be obtained from sea-level to any of these places. It is therefore impossible with ordinary grades to get through the ranges on the north-east side towards Waipu and the East Coast.

At the request of Port Albert settlers a cursory inspection has been made of a route starting from above the junction of the Mainene and Tepuna Creeks. It is proposed to cross the Mainene a little above Mr. Nicholson's saw-mill, and run along the east bank of the Tepuna to join the line to the north. The Mainene is here about 400 feet wide at high water: the Kaipara Steam Navigation Company's steamers run up to the mill, and smaller craft go above it. The nature and size of the bridge will depend on the question whether the navigation above it can be stopped for all but small boats. To the south the proposed line would skirt along the western slope of a tidal creek till it reached the swamp at the foot of Mount Brane. This swamp is about 80 feet above high water, and there is ample length for an easy grade. There will probably be some short high banks and sharp curves on this piece. From the swamp it would run up a valley to Hexam's Saddle, to Moore's Saddle, along the right bank of the Te Kakaho Creek, cross this creek near Markroft's road-bridge, and then run down to Mr. Newcome's store. To this point grades of 1 in 50 could be obtained, and, except near the Te Kakaho, the work would not be heavy. From the store the line could be brought along the coast to the Te Pane River. From this river inland, viā Mr. Newcome's homestead to the Oteo River, the heights are too great and the distances too short to allow workable grades; and keeping along the coast does not promise better here. A short tunnel near the left bank of the Oteo would lead into country where a good line with moderate grades and work could be obtained to a short distance south of the Areparera River. Thence the country to the Makarau River becomes very broken, and workable grades cannot be obtained unless the line be taken along the coast, which, from the configuration of the country, does not appear advisable.

At the request of Waiwera settlers the following route has also been explored: This route would start from the junction of the Helensville-Riverhead and Newmarket Railways at the Kumeu, and run along the right bank of the Waitemata Stream, past Mr. Lamb's dam, to a saddle which is about 200 feet above the Kumeu Valley. There is, I believe, sufficient length between the junction and the saddle to allow of a grade of I in 50, but there will be some sharp curves on this piece and a deep gully to cross near the saddle. From the saddle the line would run down a branch of the Ararimu Stream, which it would cross above the road-bridge at a level of about 250 feet below the saddle; a grade of about 1 in 50 could probably also be obtained here, and no very heavy earthworks would have to be constructed. From the Ararimu crossing the line would again rise with a grade of about 1 in 50, skirting the south-eastern side of a steep spur, locally called the "Peak," to a second saddle, which is about 260 feet above the Ararimu road-bridge; near this saddle also a deep gully would have to be crossed. The rest of the earthwork need not be very heavy. A great many small streams will have to be crossed both going down into and rising from the Ararimu Valley. From the second saddle the line would run down in the valley of a branch of the Waipuakakaho to near its junction with the Waipapakauri, descending a height of about 230 feet, with probably a grade of 1 in 50, and moderate earthwork. After crossing the Waipapakauri the line would run for some distance in easy ground along the left bank of the Kaukapakapa Stream, and then cross the Waitoki and run along its right bank to a saddle east of the Flat Top Mountain. This saddle my aneroid readings make 345 feet above high water. There appears to be length enough to allow a grade of about 1 in 50, but for about 3 miles south of this saddle the ground is very much broken up by gullies, and only further instrumental investigation can lead to the adoption of the best ground available. Thi

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of the rcd line from this point to its junction with the Helensville-Newmarket Railway at Kumeu will be about 18 miles, all of which will have yet to be constructed. There will be one rise of 200 feet, one of 260 feet, and one of 280 feet to be got over, but there will be no tunnel on it. The earthwork on the 3 miles south of the last saddle will be heavy, on the rest moderate. The cost of the bridges over the Kumeu, Ararimu, Waipapakauri, and Waitoki will not much exceed the cost of the bridge over the Kaukapakapa on my first line blue. The drop of about 100 feet on the blue line in the "First Ti-tree Flat" will also be avoided. The height of haulage over the watershed between the Kaukapakapa and the Makarau will be 275 feet above high water on the blue line, and about 325 feet on the red line. The country from the Kumeu to near the Kaukapakapa River on the red line is perhaps the most sterile gum-field country north of Auckland. To the north of the Waipapakauri the country improves rapidly, and includes the Wainui Settlement. The first saddle north of the Kumeu can be avoided by following the yellow line, which would run in the valley of the Ararimu and Waikookoo, and join the Helensville and Newmarket Railway at the Waimaukau Station. This line would probably be about 2 miles shorter, but all traffic would have to be hauled the distance (3 miles 40 chains) between the Waimaukau Station and the Kumeu Junction. The Waimaukau Station is very inconvenient for a junction. On my first (blue) line, the length of new line to be constructed will be about 11 miles 40 chains from Helensylle What to junction with the red line, through country described in a former report (November and December, 1879), but on which, I beg to remind you, there will be a tunnel of at least 12 chains in length. In addition to this 11 miles 40 chains, all traffic will have to be hauled 12 miles 60 chains, the distance between Helensville and Kumeu Junction, or a total of 24 miles 20 chains.

I have also examined the country from the Waipapakauri to the road-bridge over the Kaukapakapa near that village, and find that, by keeping on the left bank of the Kaukapakapa Stream, as shown roughly by brown line, an easy and nearly level line can be obtained. This line would do away with the railway-bridge over the Kaukapakapa and the tunnel on the blue line, but would increase the

distance by about 3 miles.

The above gives the following results with respect to lengths of new line to be constructed and lengths of haulage on each line to Kumeu Junction.

Blue line.—New line to be constructed, 11 miles 40 chains, haulage 24 miles 20 chains.

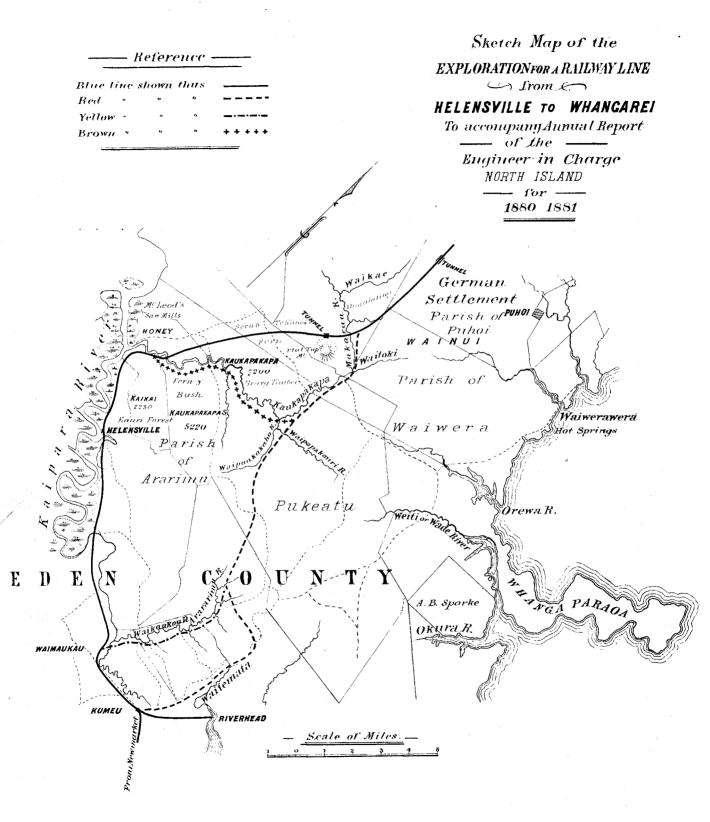
Blue line to Kaukapakapa, then brown line, then red line.—New line to be constructed, 14 miles 40 chains, haulage 27 miles 20 chains.

Yellow line to Ararimu, then red line.—New line to be constructed, 16 miles, haulage 19 miles 40 chains;

-New line to be constructed, 18 miles, haulage 18 miles.

If the red line or the yellow and red line is adopted, then the piece from Kumeu Junction or from Waimaukau respectively to Helensville will become a branch line. It will thus be seen that each line has its pronounced advantages and disadvantages, and these are so diametrically opposed to each other in each line, that it will require considerable judgment to finally determine on the best line to be adopted, with due regard to engineering, cost of construction, local and through traffic, &c.; and I can at present only recommend that instrumental surveys of all these lines be made before the final decision is arrived at.

C. B. KNORPP, Inspecting Engineer.



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APPENDIX D.

ANNUAL REPORT ON ROADS IN THE NORTH ISLAND, INCLUDING OTHER MISCELLANEOUS WORKS, BY THE ENGINEER IN CHARGE.

The Engineer in Charge, North Island, to the Hon. the Minister for Public Works.

Sir,-Public Works Office, Wellington, 31st March, 1881. I have the honor to forward annual report on roads and other miscellaneous works for the year ending 31st March, 1881.

AUCKLAND.

Great South Road.—This has been kept in repair during the year.

Cambridge-Rotorua Road (55 miles).—Several contracts for formation and bridges have been let, and are finished or in progress through the open land, about 19 miles in all; and the line through the bush at the Rotorua end, about $12\frac{1}{2}$ miles, has been felled and cleared by Native labour, so as to The road has been used by horsemen throughout for some time. After this form a bridle-track. track had been opened, an endeavour was made to have the bush felled at least 1 chain wide, and a wide track cleared by the Natives, under contract or piece work, but they declined to work except on daily pay of 6s., which was not acceded to, and the work remains in abeyance.

Te Avamutu Railway-station Road (66 chains long).—About one-half of this was metalled last year; the remainder, it is expected, will be finished in May or June next.

Whatawhata Road Bridge (over the Waipa River, on the Hamilton-Raglan Line of Road).—This work, which consists of two spans of 80 feet, seven spans of 40 feet, and four of 20 feet (520 feet total), has been satisfactorily completed under contract, and was opened for traffic on the 20th April last.

Te Rore Road Bridge (over the Waipa River, about 2½ miles north of Alexandra.—This bridge

is now being erected under contract, and is progressing in a satisfactory manner. It consists of one span of 80 feet, four spans of 40 feet, and eight of 20 feet (402 feet total), with a long and high embanked approach on the eastern bank.

Pokeno-Miranda Road.—The contract for the formation of about one mile of this was completed satisfactorily on the 12th instant, and the portions of the road requiring it have been covered with

river gravel.

Cox's Creek Bridge.—Tenders were invited for the execution of this work, but after they were received objections were made by a number of persons to the erection of the bridge, on the ground that

it would interfere with navigation, and the matter still remains undecided.

Te Aroha Block, Drainage.—Contract No. 1, 3 miles 76 chains of drain, was satisfactorily completed on 10th September, 1880, and Contract No. 2 on 12th instant, making with No. 1 contract a total of 11 miles $78\frac{1}{2}$ chains of drains.

BAY OF PLENTY.

Tauranga, East Cape.—For convenience of description this has been divided into sections as below. On the Te Kaka and Raukokou section about 4 miles has been formed 4 feet wide by the Whakatane County Council on a line surveyed and laid off by the Public Works Department. The road is not at present in a good state for horse traffic; about 8 miles require forming, and the portion formed by the County Council requires to be made wider. Between Raukokou and Kawakawa (East Cape) is barely passable for horsemen. It is only a Native track, and a proper line has not yet been surveyed.

On the same line of road the portion between Maraenui and Omaio has been maintained by a Native contractor, and at present is in a good state for horse traffic; length about 6 miles, of which 4

are in bush, the remainder in open fern and manuka scrub: it is formed 8 feet wide.

The section between Maraenui and Hawai, about 51 miles in bush, and sideling, has been laid off, Its formation would be a very great boon to travellers, as the present track is along but not formed. a stony beach under perpendicular cliffs, and is often impassable.

Another section, Opape-Torere, 7 miles, and formed 8 feet, is in good order, having been maintained

by a Native contractor: about 2 miles in bush, the rest in broken fern country.

The section between Whakatane and Ohiwa has been surveyed and laid off, 8 miles over very rough and broken country, 2½ miles in bush, the remainder through manuka scrub and fern. When formed

this will be an outlet for produce from Whakatane District to Ohiwa Harbour.

Whakatane-Ohope.—This section was put in thorough repair last April, and has since been maintained in a good state for horse traffic; length, $3\frac{1}{2}$ miles; formation, 8 feet wide, through very

rough and broken fern country.

On the same line of road, between Matata and Maketu, $8\frac{1}{2}$ miles have been laid off and formed 12 feet wide, $6\frac{1}{2}$ miles by Native contractors. This section consists of light side-cutting, swamp, and fern country. The work is not yet complete, only a portion being as yet fit for traffic.

Matatu-Te Teko.—This road has been partially repaired during the year for horse traffic; it still requires a good deal of work to fit it for cart traffic. Its length is 15 miles, formed 14 feet; it lies through open, flat, and undulating fern country, its direction being inland from Matata on the coast.

Te Teko and Galatea (33 miles through open and broken fern country).—Four bridges have been erected on this road during the year, one 30-feet truss, one 22-feet plain, two 20-feet plain. This road is not in a good state of repair for cart traffic, having been only partly formed by the Armed Constabulary Force stationed at Te Teko and Galatea; some cuttings are yet required to make it fit for cart traffic.

Whakatane-Te Teko Swamp Road (13 $\frac{1}{2}$ miles through swamp and open flat and undulating country).—Fifteen small bridges and five large culverts have been erected during the year, and $44\frac{1}{2}$ chains of the old swamp formation have been fascined and covered with earth. It is not yet fit for cart traffic, but a tender has been accepted for fascining, &c., 150 chains of swamp, which will make it available.

Opotiki-Ormond Road.—Eleven miles of this road have been surveyed and laid off by the Public Works Department on a new line, at proper gradients, not exceeding 1 in 15; and $5\frac{1}{2}$ miles of this have been formed by the Whakatane County Council, 12 feet wide, and cleared in bush 20 feet wide: 41/2 miles are in undulating fern, and the rest in light flat bush. About 18 miles yet remain to be surveyed and laid off properly. The country is very mountainous and broken, and one through which it will be impossible to form a really good line of road. The present track is in a bad state, and almost impassable for horse traffic.

Tauranga-Taupo Road.—The work done on this road during the year consists of general repairs and maintenance. New bridges, however, have been rebuilt over the Te Reringa and Mangapouri Rivers, as the old ones were in such general bad repair; and the Waititi, Ngongotaha, Waikorowhiti, Tokomango, Te Auo-o-te-Hapi, and four other smaller bridges have been put in substantial repair. The traffic on this road is steadily increasing, about nine horse-teams, six bullock-teams, and a number of coaches and buggies trading regularly. The road is in good repair throughout.

Rotorua and Turawera Road.—This has been regularly maintained in good order, and traffic on it

is increasing.

TAUPO-ATIAMURI-NAPIER-TAUPO.

Kaiwhaka-Stony Creek (31 miles).—This has been kept in good order during the summer months, and, although soft and muddy in places, it is passable for light loads during the winter. An average

number of five men have been employed in maintaining this section.

Stony Creek-Atianuri (69 miles).—The first 14 miles of this road, to Runanga, have been maintained by the Armed Constabulary; the next 22 miles, to Opepe, by day-labour; and the remainder by parties of Armed Constabulary. The whole is in a good state of repair. Preparations are being made to rebuild the Lower Waipunga Bridge, a work which is now really necessary.

Taupo to Hot Springs (3 miles).—This is in good repair.

EAST COAST.

The only roadwork done during the year in this district has been the metalling of the Makatoko branch road, $3\frac{1}{2}$ miles: this was completed in July last. This road joins the Makatoko Railwaystation with the main road in Seventy-Mile Bush.

MANAWATU DISTRICT.

Manawatu Gorge Road.—This has been maintained in good order for traffic.

Kairanga Block (Roads, &c., to open up Lands for Sale).—The following works have been executed or are now in progress: Outlet drain cut, 2 miles 17 chains; roads cleared of bush, formed, and drained, 8 miles; roads felled and cleared of bush, 4 miles 79 chains; roads cleared, forming and draining in progress, 4 miles 18 chains; outlet drain in progress, 1 mile 27 chains.

This block of land would have been difficult to settle without these works, lying low, with no easy

natural outlet for drainage: the value of it for sale is consequently much enhanced.

Motoa Swamp Drain, near Foxton (total length, 1 mile 60 chains).—Seventy-four chains are complete, 50 chains in progress, 16 chains not yet begun. The work was greatly delayed by last season's

TARANAKI DISTRICT.

Manganui Cart-bridge.—This was completed last year, but it has been found necessary to construct some protective works for the western pier, in the shape of a dry rubble masonry groin. The work will probably be finished in May.

Mountain Road.—It was found necessary to make a deviation of this road through the southern part of the Township of Stratford, County Patea, owing to the County Council having cleared and formed the road on a wrong line. The length of deviation was 67 chains. It was completed in May.

Gravelling Contracts, Mountain Road, County Taranaki.—Six gravelling contracts have been satisfactorily completed, making up a total distance of 10 miles 24 84 chains, over which there is now a

first-class gravelled road between Inglewood and Stratford.

Gravelling Contracts, Mountain Road, County Patea. - Five contracts for this work were let and satisfactorily completed during the year, making a total of 7 miles 30 chains, extending from Patea River (Stratford) southwards to Mangawhero River.

Urenui Road.—Two contracts for road formation in connection with the Urenui Bridge have been

let—one 54.58 chains, one 46.42 chains—to be completed by 4th June.

Urenui Bridge.—A contract for this work was let on 26th October, 1880, to be completed by 25th August, 1881. It consists of one span of 70 feet, two spans of 20 feet, and two spans of 15 feet (140 feet total). It is expected to be easily completed within contract time.

Eltham Village.—About 25 chains of a district road, which had been cleared by the Waste Lands Board, has been made available for coach traffic between the Mountain Road and railway-line to enable

the coach to meet railway trains; but the coach has not yet used this road.

Waitara Road Bridge.—A survey of this bridge (reported to be much out of repair) has been

made, and plans and report furnished as to the best means of dealing with it. Copies of these have been sent to the Waitara Harbour Board for their information, and to assist in carrying out repairs. Approaches to District Roads from Mountain Road.—Seven of these have been duly formed.

WAIMATE PLAINS AND ADJOINING DISTRICTS.

Main Road.—For convenience of description this has been divided into two sections, Stony River

to Opunake and Opunake to Waingongoro.

Stony River-Opunake (length 22 miles).—Fifteen and a half miles have been cleared one chain wide. Of this about one mile is through bush, the remainder through fern, flax, and scrub. Fourteen miles have been graded and formed, including nine passable fords to the larger streams; seven dry rubble culverts with timber roadways, varying from 5 feet to 7 feet wide; five dry rubble culverts from 2 feet to 4 feet wide; and sixty-nine sets of stoneware drain-pipes; also two temporary bridges of 20-feet span and one of 15-feet span, where fords could not conveniently be made; also 8 miles of single sidedrains of standard size. Six and a half miles have been gravelled, of which 54 chains are on the old road between Stony River and Werekino, and the remainder between Werekino and Pungarehu.

This completes the road from Stony River to Pungarehu, except at the river crossings, where the

permanent grades cannot be completed until the bridges are erected. This section of road traverses

generally level country, involving no very heavy works.

From Stony River to Pungarehu, $8\frac{1}{4}$ miles, the road is in first-rate order for any kind of traffic. From Pungarehu to Umuroa, 103 miles, the road is open for coach and dray traffic, but in places is rather rough for light vehicles, and being ungravelled will in wet weather be muddy, but not impassable.

Two miles near Opunake have been put in good repair, and two bridges repaired and refloored.

This length is part of the old road, 3 miles, between Umuroa and Opunake.

Sixteen and a half miles, the length of the new part of this road (Stony River-Opunake), have

been surveyed with compass bearings and a longitudinal section taken.

Opunake-Waingongoro (length, 22 miles).—This section of road had, some years back, been all cleared, formed, and bridges and culverts built. General repairs have been executed both to formation and bridges, eight of which have been refloored. The approaches to bridges have, as a rule, been improved by flattening them to 1 in 15.

Seven miles have been gravelled, in continuation of the same work done last year, making a total continuous length of $9\frac{3}{4}$ miles from the Waingongoro River to the Otakeho Village site. Another mile has been gravelled at Oeo, making 3 miles in all, or 12 miles on each side of village. The whole of this length is now in good order for all kinds of traffic; but where not gravelled it becomes muddy in winter.

Normanby Road (length, 6 miles).—The part of this road under construction lies between the Manaia Road and the Waingongoro River; 2\frac{3}{4} miles are completed as to forming, draining, cuttings, and banks, including about a mile of side-cutting. It is all cleared.

The bridges over the Waingongoro and Waiokura Rivers have been let by contract: the work of ting them has only begun. The road can now be used by horsemen.

erecting them has only begun.

Manaia Road (leading northwards from the township to edge of forest).—Two miles of this road

have been formed, and it is now in good order for traffic.

Cape Egmont Lighthouse Road (length, 3 miles).—This lies in a direct east-and-west line, between the main south road, near Pungarehu, and the site of the lighthouse, on the coast: it has been cleared and roughly formed, with temporary culverts at stream-crossings, and is now used by drays, but will require a good deal of work to finish it.

Stratford-Opunake (24 miles in length).—This is a pack-track, lying in a nearly straight line between these two places, and, with the exception of about $1\frac{1}{2}$ miles at the Opunake end, entirely through dense bush. The work was completed so far as to make it available for horse traffic in February. It crosses ninety-five watercourses, varying in width from 1 chain to 2 or 3 feet; none of these are deep, and the larger ones have hard boulder bottoms. Where practicable, fords have been made, in other places rough bridges and culverts of round timber and "pongas." Where the ground was boggy the track was "corduroyed:" about $2\frac{1}{2}$ miles are thus treated. Single side-drains to the extent of 1½ miles have also been cut. Twenty-one miles of this road were roughly surveyed and the

lines cut during the year.

Roads North of Auckland.—These are under the supervision of the Chief Surveyor, Auckland, Mr. Percy Smith, who has supplied the following information, viz.:—Great North Road: The line is now open as a carriage-road from North Shore to Wellsford, a distance of $55\frac{1}{4}$ miles. The works for the past season on this section consist in filling up gaps and widening out the former bridle-road, involving the building of three large bridges of a total span of 740 feet. From Wellsford to Waipu: Part of the road through the Gorge has been widened out to a carriage-road through heavy rock-cutting, and two contracts are still in progress on a new portion of the road, the completion of which will open it as a good bridle-road from Auckland. From Waipu to Whangarei two contracts are in progress, which will open that section as a bridle-road. Whangarei to Kawakawa: Works consist in widening old road and constructing an entirely new line on good grades. Two contracts in progress, and two more ready to let. Kawakawa to Whangaroa: Two bridges have been built, and a survey of some deviation, ready for contract, completed. Whangaroa to Mongonui: Two bridges in course of construction. Mongonui to Awanui: One contract of $2\frac{1}{4}$ miles, and one bridge over Takuhe, completed, whilst five contracts are in progress for $15\frac{1}{2}$ miles, which will make a carriage-road from Mongonui to Awanui. Altogether, $40\frac{1}{4}$ miles of road have been completed, or are nearly so, of which $5\frac{1}{2}$ miles have been metalled, 57 miles engineering survey made, and 37 miles permanent survey. The cost up to the 30th June, including inspection, surveys, compensation, and office expenses, is £19,564 8s.

The works proposed for the ensuing season are principally in filling up gaps in old road and widening out bridle-roads to cart-roads. On their completion a first-rate bridle-road will exist from Auckland to Awanui, a considerable portion of which will be available for cart-traffic. A good many

delays have arisen through Native opposition.

ARCHITECT'S BRANCH.

The annual report of the Architect on all works executed or in progress during the year is I have, &c., attached to this report.

The Hon. the Minister for Public Works.

JOHN BLACKETT, Engineer in Charge North Island.

Enclosure in Appendix D.

ANNUAL REPORT ON PUBLIC BUILDINGS AND WORKS, NORTH ISLAND,

FOR YEAR ENDING 31st MARCH, 1881.

The Architect to the Engineer in Charge, North Island.

Public Works Office, Architect's Branch, 5th July, 1881. SIR,--I have the honor to report upon the various buildings designed, added to, or altered, together with contracts let, in progress, or completed, from 1st April, 1880, to 31st March, 1881, in connection with the Architect's Branch of the Public Works Service.

During the year designs have been prepared for the following new buildings—namely, Resident Magistrate's Court, Warkworth, as an addition to police station; post office and telegraph stations at Kamo and Otaki; lock-ups at Newton (Auckland), Otaki, and Mercury Bay; and a police station at Tinui. Drawings have also been made for alterations and additions to post offices and telegraph stations at Hokianga, Grahamstown, Gisborne, New Plymouth, and Cambridge; and for additions to the railway stations at Feilding, Palmerston North, and Carterton, for the accommodation of the postal and telegraphic departments; alterations to the Government Printing Office, Wellington; and for two storage reservoirs—one for Her Majesty's Gaol and the other for the Mount View Lunatic Asylum, Wellington.

Contracts for the following works have been completed: New Supreme Court and offices, Wellington; police stations at Wellington, Warkworth, Tauranga, Katikati, Hamilton, Tologa Bay, Opotiki, Maketu, Whakatane, Ohinemutu, Waitara, Waitotara, Inglewood, Normanby, Manutahi, and Carlyle; lock-ups at Newton (Auckland), Awanui, and Otaki; post offices and telegraph stations at

Dargaville, Te Kopuru, Otaki, and Kamo.

Alterations and additions or repairs have been completed to the following buildings: Post offices and telegraph stations at Wanganui, Lower Hutt, Cambridge, Grahamstown, and Auckland; as also to the railway stations at Feilding and Palmerston North. The old Wesleyan Chapel, High Street, Auckland, and the Gymnasium at Cambridge, have been converted into Resident Magistrates' Courts and offices; and alterations and additions have been completed to the gaols at Wellington and Extensive alterations and additions have been completed to the lunatic asylums at Auckland and Wellington.

Works in Progress.—Alterations to Courthouse at Palmerston North; new police station at Tinui; additions to railway station at Carterton, for post and telegraph station; and a new laundry at

the Whau Lunatic Asylum, Auckland.

Miscellaneous Works completed.—Repairs to immigration barracks, Wellington; alteration to Government Printing Office; the construction of storage-reservoirs at Mount View Lunatic Asylum and Her Majesty's Gaol, Wellington: besides various other works of a minor character, such as small alterations to post offices at Taranaki, Gisborne, Foxton, and Coromandel; repairs to Customhouse at Napier, Government House at Auckland, &c.

The total expenditure in the Architect's Branch during the year has been,—

					£	s.	d.
Judicial			•••	 •••	37,975	4	2
Postal and Telegraphic				 	3,640	10	7
Lunatic Asylums				 	13,926	11	8
Miscellaneous				 	872	19	4
Sundry repairs, alterati	ons, fitti	ings, furni	iture, &c.	 	18,665	4	11
•		_					
					£75,080	10	8

I have, &c.,

P. F. M. Burrows, Architect.

The Eugineer in Charge, North Island, Wellington.

APPENDIX E.

ANNUAL REPORT ON THE PUBLIC WORKS OF THE MIDDLE ISLAND.

The Engineer in Charge, Middle Island, to the Hon. the Minister for Public Works.

Sir,—

Public Works Office, Dunedin, 31st March, 1881.

I have the honor to submit the following report on the various works completed and in pro-

gress in the Middle Island during the financial year just ended.

Adhering generally to the arrangement adopted in previous years, the report will be divided into the following heads: 1st. Railways; 2nd. Roads and Bridges; 3rd. Water-races; 4th. Miscellaneous Works; 5th. Buildings; 6th. Surveys; and 7th. General Remarks.

RAILWAYS.

GENERAL.

The following statement shows the expenditure and liabilities on railways in the Middle Island up to the 31st March, 1881, including surveys and the valuation of the Provincial lines:—

Total expenditure out of loan Valuation of Provincial lines	•••	•••	•••	•••	5,863,700 $1,104,281$	4	a. 3 5
. Total exper Liabilities on 31st March, 188		ip to 31st	March, 1 	1881	$\begin{array}{r} 6,967,981 \\ 220,548 \end{array}$		
Total exper	nditure a	and liabilit	ies	•••	£7,188,529	16	8

The details of the above, together with the lengths of railways authorized and open are given in the following table, the lines taken over from the Provincial Governments of Canterbury and Otago, and the expenditure on preliminary surveys, being included:—

Name o	of Railway.				Total I on w Expen Autho	hich diture	Op fo Tra	r	Exper	to			Liabili on 31st March		81.
AUTHORIZED BY "THE IMM APPROPRIATION				Works	M.	chs.	М.	chs.	£		8.	d.	£	8	. d.
Nelson to Greymouth					70	0	27	52	389,91	9 1	2	1	10,517	٥	0
Greymouth to Hokitika					24	ŏ			22,00			10	454		
Westport to Ngakawau			•••		19	19		19	211,70		5	5	2,506		
Picton to Hurunui				***		32		11	189,77		7	6	156		
Hurunui to Waitaki			•••	***	406	0	334	38	1,845,25		5	9	55,028		
Canterbury Interior Mai					41	0			17,51			0	2,075		
Waitaki to Bluff					398	53	336		2,633,50	8 1	2	10	106,852		10
Otago Central			•••		65	0			104,16			6	20,076		
Invercargill to Kingston					107	16	86	84	250,47	9 1	6	11	2,049	2	1
Western Railways					64	0	29	13	130,17	0 1	8	7	20,424		5
Preliminary surveys		• • •			٠.	.			47,19	3	5	10	406	6	8
Total					1,226	40	852	24	5,841,70	0	4	3	220,548	10	0
Purchase of wagons	•••	•••	•••	•••		- 1			22,00		0	0	***		•
Provincial Government I	INES :											.]			
Canterbury (lengths incl		ve)				.			731,75	9	0	0			
Otago "	,,	,	•••			1			372,52		2	5	•••		
GENERAL	Totals			•••	1,226	40	852	24	6,967,98	1	6	8	220,548	10	0

The following statement shows the rate at which the several railways in the Middle Island have been completed during each financial year, further details being given in the table hereto appended (Enclosure No. 1):—

LENGTHS of RAILWAY OPENED in MIDDLE ISLAND during Financial Year.

Up to June 30, 1872.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1877-78.	1878-79.	1879-80.	1880-81.	Total.
M. chs.	M. chs.	M. chs.	M. chs.	M. chs.	M. chs.	M. chs.	M. chs.	M. chs.	M. chs.	M. chs.
76 36	27 62	11 21	127 03	249 44	154 12	93 41	58 33	18 56	35 36	852 24

NELSON TO GREYMOUTH RAILWAY.

Section, Port of Nelson to Roundell.—The only construction works of importance that have been in progress during the year on this section are the completion of the line from Nelson to the Port, and the Bellgrove Sub-section, an extension inland of the present railway for three miles.

The Port line was finished and opened for traffic in May, 1880, and the formation of the Bellgrove Sub-section was completed in June, 1880. Contracts for plate-laying and stations on the Bellgrove Sub-section have been entered into, and the works are progressing favourably.

The permanent survey of the continuation of this railway to the head of the Blue Glen—194 miles from Bellgrove—is completed; and, as previously reported, a trial survey has been made right across the range into the Buller watershed, near Roundell.

Section, Greymouth to Nelson Creek.—The principal works in progress during the year have been

the formation of the Stillwater Sub-section-63 chains-and the enlargement and improvement of the Brunnerton Station-yard.

The Stillwater Contract has just been completed, and the works, which are very heavy, have been carried out in a satisfactory manner. No provision has yet been made for laying the permanent way

on this sub-section, for it cannot conveniently be worked till another length is made.

The improvements at the Brunnerton Station, which were much wanted, are calculated to meet

the requirements of the traffic for some time to come.

The working survey of the continuation of the line from Stillwater to Nelson Creek has been completed during the year. It shows the length to make to be $7\frac{1}{2}$ miles, and that a good line is obtainable at a moderate cost. The earthworks will be rather heavy, it being necessary to keep clear of the Grey floods, which are very high at this place: the other works are, however, comparatively

Greymouth Harbour Works.—The work done on the Greymouth Harbour Works during the past year consists of the extension seaward of the south training-wall for a distance of 944 feet, the construction of a bridge over the Erua Moana Lagoon, dredging the river-bed and lagoon entrance, and depositing the materials in the reclamation inside the wall. A new dredge has also been built in

Dunedin for the works.

The quantity of materials deposited in the wall and reclamation works during the year is as follows: Rock, 28,700 tons; quarry rubbish, 7,000 tons; and shingle from the dredges, 117,200 tons. The average cost per ton has been—rock, 3s. 1d.; quarry rubbish, 1s. $9\frac{1}{2}$ d.; and shingle, $11\frac{3}{4}$ d. The above figures show the average cost of the quarried materials to be 2s. 10d. per ton as against 3s. 2d. the previous year. On the other hand the dredging is a little dearer, the price for 1879-80 being only 11d: this increase is attributable to the work being now somewhat more difficult.

The training-wall is out to a length of 14 chains, and, although subjected to heavy seas and floods, it is standing admirably. The wall is already credited with having beneficially affected the channel and bar. Although not impossible, I think it is premature to come to this conclusion; but I have no doubt a sensible effect will result from every advance that is made in future, and that a permanent improvement will be effected so soon as the wall reaches the line of the beach—about 10 chains distant.

The Greymouth harbour works are in very good working order, the various operations are carried on in a systematic manner, and the work is done very cheaply. A suitable face having been got on the quarry, hand-drilling and small blasts have been superseded by drives and large blasts. these have been fired during the year; the first took down about 11,000 tons; the second is not yet worked out. The large blasts not only reduce the cost of quarrying, but they furnish heavier stone for the sea-wall—a most important consideration.

The rate at which the sea-wall progresses and its cost depend almost entirely on the depth of water at the tip-head, which varies occasionally to an extent of 10 or 12 feet, according to the set of the river. This variation in the depth affects the cost to an extent of from £150 to £250 per chain of wall. These facts lead to the conclusion that it would be desirable to push on the work with all possible speed when the water is shallow, and go slowly when it is deep.

The bridge over the lagoon above referred to, which is in accordance with Sir John Coode's plans, gives access to the sea-wall from the shore without interfering with the tidal flow in the lagoon.

The large dredge manufactured in Dunedin by Messrs. Kincaid, McQueen and Co., and put together by them in Greymouth, is all but finished. She is expected to be ready for work in a week

The following table shows the depths of water on the Grey bar at each high water of spring and neap tides every month from June, 1879, to March, 1881, inclusive. The table is compiled from information kindly supplied by the Harbourmaster at Greymouth:-

		1879	-80.	18	80-81.
Mon	rn.	Spring-tides: Height on Bar, in feet.	Neap-tides: Height on Bar, in feet.	Spring-tides: Height on Bar, in feet	Neap-tides : Height on Bar, in feet.
April May June July August September October November December January February March		 12 and 11 10 and 7 9 and 10 9, 10, and 11 10 and 10 10 and 11 11 and 12 13 and 10 10 and 10 12 and 11	8 and 6 8 and 10 10 and 11 10 and 7 11 and 11 8 and 10 9 and 7 9 and 9	12 and 13 12 and 12 6 and 11 10 and 10 10 and 10 10 and 10 12 and $8\frac{1}{2}$ 10 and 10 12 and 12 11 and $11\frac{1}{2}$ 10 and 10 11\frac{1}{2} and 12	$\begin{array}{c} 9\frac{1}{2} \text{ and } 12 \\ 11\frac{1}{2} \text{ and } 9\frac{1}{2} \\ 9 \text{ and } 9 \\ 9 \text{ and } 8\frac{1}{2} \\ 7\frac{1}{2} \text{ and } 9 \\ 9, 10, \text{ and } 9 \\ 10\frac{1}{2} \text{ and } 9 \\ 9\frac{1}{2} \text{ and } 8 \\ 11 \text{ and } 11\frac{1}{2} \\ 9\frac{1}{2} \text{ and } 9 \\ 8 \text{ and } 9 \\ 9\frac{1}{2} \text{ and } 10 \\ \end{array}$

PICTON TO HURUNUI RAILWAY.

Section, Picton to Awatere.—The formation and permanent way of the extension of this line from Opawa to Blenheim was completed and opened in May, 1880, but the Blenheim Station-buildings were not finished till November. The only work now remaining unfinished between Picton and Blenheim is the protection of the northern bank of the Opawa River, above the railway-bridge.

A contract survey has been made for a short section of the extension of the line southwards from Blenheim, and a trial survey run to the Dashwood Pass, the water-shed between the Wairau and Awatere Valleys. The trial survey shows a good line to be obtainable at a moderate cost.

WESTPORT TO NGAKAWAU RAILWAY.

The only construction-work of any importance done on this line during the year is the extension of the Waimangaroa Bridge for 171 feet. The extension was necessitated by an encroachment of the river on its banks

The Buller Relief Channel, cut in 1879, continues to act satisfactorily: it has undoubtedly been the means of relieving the railway and the adjoining country from the heavy floods which periodically caused great damage and threatened to cut a fresh channel for the Buller between Westport and the hills. The original width of the channel at the bottom was only 6 feet, but it has been widened by successive floods to an average of about 200 feet.

The survey for the land plans of the Westport-Ngakawau Railway has been completed during

the year.

The following table, compiled from information kindly furnished by the Harbourmaster, shows the depth of water on the Buller bar at each high water of spring- and neap-tides from June, 1879, to March, 1881, inclusive:

			1879	9-80.	188	30-81.
Мо	ONTH.		Spring-tides: Height on Bar, in feet.	Neap-tides : Height on Bar, in feet.	Spring-tides : Height on Bar, in feet	Neap-tides: Height on Bar, in feet
					10 7.10	
April		•••		•••	13 and 13	11 and 10
May					$12\frac{1}{2}$ and 14	10, 11, and 12
June			$14\frac{1}{2}$ and 14	$12 \text{ and } 12\frac{1}{4}$	12 and 14	12 and 12
July			$13\frac{1}{4}$ and $12\frac{1}{4}$	$11\frac{1}{2}$ and $10\frac{3}{4}$	12 and 14	11 and 12
August			12 and $13\frac{1}{3}$	$11 \text{ and } 11\frac{3}{4}$	12 and 13	11 and 12
September			13 and 12	11 and $11\frac{1}{4}$	13 and 14	$11 \text{ and } 11\frac{1}{2}$
October			$12\frac{1}{4}$, $13\frac{3}{4}$ and 13	10 and $11\frac{1}{4}$	14 and 14	12 and 12
November	•••		$13\frac{1}{2}$ and 12	$10\frac{1}{4}$ and $10\frac{3}{4}$	$15 \text{ and } 13\frac{1}{2}$	$13 \text{ and } 11\frac{1}{2}$
December			$12\frac{1}{2}$ and $11\frac{1}{2}$	$11\frac{1}{3}$ and $11\frac{3}{4}$	14 and 13	$12\frac{1}{9} \text{ and } 11$
January	•••	•••	$12\frac{1}{4}$ and $12\frac{1}{4}$	$10\frac{1}{4} \text{ and } 9\frac{3}{4}$	15, 14, and 14	12 and 13
February	•••	•••	$12\frac{3}{4}$ and $12\frac{1}{5}$	$11\frac{1}{4}$ and 10	13 and 15	$10\frac{1}{3}$ and $11\frac{1}{3}$
March	•••	•••	$12\frac{1}{4}$ and $12\frac{1}{2}$	$11\frac{1}{4}$ and 10	15 and 14	$10^{\frac{1}{2}}$ and $11^{\frac{1}{2}}$
March	•••	•••	144 and 193	114 and 10	10 and 14	11. and 10

HORITIKA TO GREYMOUTH RAILWAY.

The last of the small piecework contracts in progress at the date of the last annual report was finished in July, and no new works nor surveys have been undertaken since.

HURUNUI-WAITAKI RAILWAY, WITH BRANCHES.

Main Line.—The new sections in progress during the year comprise the Waipara contract and Weka Pass section—an extension of the line from Amberley to the Waipara River and across the intervening range to the Waikari Plain.

The Waipara section was completed and open for traffic in October, the works having been carried

out in a satisfactory manner.

The Weka Pass section, originally reserved for the "unemployed" of Christchurch, was carried on by them till December last, when the works were stopped altogether and the men paid off. The total expenditure on the Weka Pass section during the year was about £13,800. The average cost of the work has been, for labour only: earthwork, 8d. per cubic yard; loose rock, 1s. 6d.; and solid rock, 2s. 10d. The average number of men employed was 160.

With the exception of the completion of large cuttings at Pigeon Rock and the Summit, and the construction of a viaduct over the main gully, the formation is practically finished. It is now proposed to let these larger works by regular contract, and finish up the formation at other places by piece-

work or day labour.

A stationmaster's house has been erected at Waikari, it being, in the meantime, occupied by the

officers of this department in charge of the works.

The land survey and plans for the Weka Pass section are completed, and the survey of the extension of the line to the Hurunui has been ordered. The proper location of this section is of considerable importance; for, although there is no difficulty, so far as the section is in itself concerned, it involves the question of the future extension and ultimate destination of the railway. I have, on several occasions, inspected the country and otherwise given the matter some personal attention, so I hope to be able to make a definite recommendation when I get the results of certain surveys now ordered.

The principal works that have been in progress on the open portions of the main line during the year are: the extension of the Rakaia Bridge, the erection of a locomotive-erecting shop, boilerhouse,

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and other buildings at Addington, protective works at the Rangitata and Timaru, and minor additions to stations

The Rakaia Bridge is being lengthened at its southern end for 1,460 feet, in accordance with the recommendations of the Commission appointed to inquire into the question of the river encroachments.

The contract was only entered into this month, so the work is just beginning.

The erection of the new buildings at Addington, and the removal of others, has enabled the workshops to be transferred entirely from Christchurch. With the exception of a few minor works and appliances, the Addington shops are now very complete, and they are capable of doing a great amount of work.

The protective works at Timaru, rendered necessary by the encroachment of the sea on the railway,

have cost about £1,200 during the year.

The other works done on the open lines are, generally, additions to station buildings and sidings,

and the erection of signals and other appliances required by the increasing traffic.

Preparatory to its being remodelled and extended, a complete survey and plan has been made of the Timaru Station. It is now proposed to utilize, as far as possible, the reclamation made by the sea on the south side of the breakwater for the new station; this will give more room clear of the street

traffic, and save the purchase of a considerable amount of private property.

Little River-Akaroa Branch.—The formation of the Ellesmere section, 17 miles, was finished at the beginning of the year, and since then two contracts for plate-laying have been let; the first was completed in December and the second is well advanced. After the present contract is finished the only works of importance required to complete the line to the seventeenth mile, are the plate-laying and ballasting on 1½ miles; ballasting alone on 8 miles; a small quantity of rock-facing on the slopes of embankments along Lake Ellesmere, and the necessary station accommodation, which is comparatively small.

The working survey of the continuation of the line to Little River, a distance of about 6 miles,

has been completed.

Ashburton Branch.—The Ashburton section, $10\frac{3}{4}$ miles, was finished and opened for traffic in April. A contract for the formation on another section of $8\frac{1}{2}$ miles was let in November, and the works are now nearly completed. A contract for laying the permanent way on a sub-section of the latter length is now in preparation. As previously reported, the works on the whole of the Ashburton branch are

particularly light.

Opawa Branch.—The Albury contract, which comprised the construction of a bridge over the Opawa River, with approaches thereto, was completed early in the year. The Albury Downs section, originally reserved for the "unemployed" and closed during the autumn of 1880, was re-opened for them in July and kept open till December. About £6,300 was expended on the work, the average number of men employed was 83, and the average cost of earthwork, for labour only, has been 9d. per cubic yard. A contract for bridging the two main channels of the Tengawai River was let in January, and the work is now in progress. The bridging consists of 26 spans of 40 feet and 8 spans of 11 feet, of the usual type of timber bridge.

CANTERBURY INTERIOR MAIN LINE.

The only works in progress on this line during the year are on the Oxford-Malvern section. They consist of the Eyre Bridge and the Waimakariri Gorge section. The Eyre Bridge alluded to in my last annual report was satisfactorily completed early in the year. The Waimakariri Gorge section was opened to the unemployed in July last and kept open till December, about £5,900 being expended. The average number of men employed was 108, and the average cost of the cuttings, labour only, about 1s. 1d. per cubic yard.

WAITAKI-BLUFF RAILWAY WITH BRANCHES.

Main Line.—The principal works in progress on the main line during the year are as follows: Reclamation for new station and enlargement of workshops at Dunedin; increased wharfage and station accommodation at Port Chalmers; protective works at Balclutha; and additions to wayside stations.

In consequence of objections raised by the adjoining boroughs to the removal of material from the sandhills, at all, and a misunderstanding with the contractors about the exact place where the material was to be taken from, the work of reclamation has not progressed so rapidly as it ought to have done. The first block, extending from Rattray Street to the line of Jetty Street, is, however, practically completed, so that an instalment of the goods-station can now be gone on with.

Extensive additions have been made to the Dunedin Railway Workshops during the year, and an extra piece of land has been acquired for still further extensions when necessary. All the buildings have been added to. The engine-repairing shop has been almost doubled, the carriage-repairing shop doubled, and the carriage-painting shop trebled in size. The machinery is now in course of erection. When this is done, and a few minor wants supplied, the shops will be able to execute any work required

of them.

The new steamer wharf at Port Chalmers has been completed in a very satisfactory manner, and authorities in shipping matters consider it well adapted for the requirements of the trade and port. It is necessary to deepen the berths alongside the new wharf, and the channel leading to it, by dredging. Arrangements are now being made to have the work done, but in the meantime the wharf can be used by a great majority of the vessels frequenting the port. The completion of the new station-yard, and the laying of sidings to the steamer wharf, are in progress.

The protective works at Balclutha, referred to at length in the report of the Commission appointed to investigate the question, and in my last annual report, are now approaching completion. The stone facing, the flood-bank, and a large groin are finished, and two smaller groins are in progress. These constitute all the works recommended by the Commission as necessary for the protection of Balclutha and the railway, except some openings in the railway itself. It is proposed to have the openings made during

the ensuing year. So far as can be judged from the small floods that have occurred since their construction, these works will afford protection to the town and railway from the serious damage that is done by great floods; and they have had the immediate effect of stopping the encroachment of the river on its bank, which threatened to carry away, piecemeal, the peninsula occupied by Balclutha and the railway.

In addition to ordinary extensions of a minor character, the following larger station works have been carried out: Refreshment-rooms and extension of passenger-station at Oamaru; and goods-sheds at Lovell's Flat, Waiwera, and East Gore. Preparations are also being made for enlarging the engine-

sheds at Oamaru, Palmerston, and Balclutha, and building a new one at Invercargill.

Duntroon Branch.—After a considerable delay, satisfactory arrangements have just been made for acquiring the land on the extension of this line across the Maerewhenua River. Instructions have therefore been given to finish the works as soon as possible. It is expected that they will be completed to admit of the line being opened early in June. The Duntroon and Hakateramea Railway is a continuation inland of the Duntroon Branch; so the completion of the link across the Maerewhenua River opens up railway communication between Oamaru and the Waitaki Valley as far as the Hakateramea junction.

Ngapara-Livingstone Branch.—The works on this line, originally opened for the "unemployed" in July, 1879, and stopped in January, 1880, were re-opened in April, 1880, and finally closed in December last. During last year the number of men employed ranged from 75 to 175. The total expenditure to date—including the year 1879-80—is about £34,600, and the total quantities executed of the principal works are: Earthwork, 325,500 cubic yards; rock-cutting, 51,700 cubic yards; and masonry, 4,200 cubic yards. The average cost has been: Earthwork, 11\frac{1}{2}d. per cubic yard for labour only; rock-cutting, 1s. 5d. for labour and blasting-powder; and masonry, 30s. per cubic yard for labour and

With the exception of the tunnels and approaches, which are not yet begun, the formation on the

first twelve miles of the Ngapara-Livingstone Branch is nearly finished.

Palmerston-Waihemo Branch.—With the view of dispersing them through the country, about 50 of the men on the Livingstone line were transferred to the Palmerston-Waihemo Branch in October. They were kept on till December and then paid off, other work being plentiful. A small quantity of excavation taken out by them is the only work done on this line during the past year.

Catlin's River Branch.—The Invertiel contract, which was in progress at the end of last year, was satisfactorily completed a short time afterwards. As in the case of the Palmerston-Waihemo Branch, a lot of the "unemployed" were transferred from the Otago Central to this line during summer, and shortly afterwards discharged: the quantity of work done by them was very small. The detailed survey of the remainder of this branch from the seventh mile to the terminus at Catlin's River is in progress.

Waipahi-Heriot Burn Branch.—The Tapanui section, comprising the first 15½ miles of this branch, and extending from the main line to Kelso, was opened for traffic on the 1st December last. Some minor station works, which were then incomplete, have since been provided, so the line is in good

working order and well equipped.

Edendale-Toitois Branch.—The Wyndham contract—the first section on this line—was finished satisfactorily in June, 1880. A gang of the "unemployed" was sent from Hindon in November, and kept on this line for a month and then discharged. The small quantity of excavation done by them is

the only new work undertaken during the year.

The detailed survey of another section of this branch from Wyndham towards Toitois is in progress. The line adopted is the one known as the inland route. It leaves the Mataura Valley at the crossing of the Wyndham River, and runs up the small lateral valley at Brand's Homestead and the Kuriwao Valley to near the Glenham Station; then follows the low undulating ground to near the Pine Bush Hotel, and from thence into the Waimahaka Valley.

OTAGO CENTRAL RAILWAY.

General.—The working survey of this line is finished from its commencement to near Hyde, and again from the Rough Ridge to the Hawea Lake; but the preliminary survey is only made of the intervening length from Hyde to Rough Ridge. The party that was engaged in making the working survey on the latter section was recalled in August last.

Wingatui Contract.—The formation is practically completed, with the exception of the tunnels and approaches, on which little has yet been done. The works are being carried out in a very satisfactory

manner, and there has hitherto been no serious difficulty from slips or similar mishaps.

Hindon Section.—This is the section on which the great majority of the "unemployed" in Otago were set to work. At the end of last financial year the number of men on the works was about 400. They increased during April to 500, and the maximum was reached in August, when there were 700 at work. The wages of single men being then reduced to 18s. a week, about 120 left of their own accord. After this, gangs were sent to Port Chalmers, Catlin's River, Edendale, and Orepuki, and gradually discharged; so in December none remained on the works except about 115, who had contracts for the whole of their cuttings. A number of these contracts have since been worked out, and there are now only about 60 men on the works. These also will leave piecemeal within the next few months, as their contracts get finished.

The total expenditure to date on the Hindon section, including the year 1879-80, is about £64,900; and the total quantities of the principal works executed are: Earthwork, 450,900 cubic yards; rock-cutting, 291,700 cubic yards; and masonry, 4,700 cubic yards. The average cost has been: Earthwork, $10\frac{3}{2}$ d. per cubic yard for labour only; rock-cutting, 1s. $5\frac{1}{2}$ d. per cubic yard for labour and blasting-powder; and masonry, 30s. per cubic yard for labour and materials.

powder; and masonry, 30s. per cubic yard for labour and materials.

With the exception of the small tunnels—which are untouched—nearly all the formation on the Hindon section will be finished to the Deep Stream, when the small contracts above referred to run

out. The Deep Stream is 20 miles from the commencement of the railway at the Chain Hills.

INVERCARGILL-KINGSTON RAILWAY, WITH BRANCH.

Main Line.—The only construction works in progress on the main line were a few unimportant additions to stations, which do not call for special comment.

Lumsden-Mararoa Branch.—The formation of the first 6 miles of this line—known as the Lumsden contract—was completed in August, and the Oreti Bridge was finished in January, both works having been done in a satisfactory manner. A contract for the platelaying of the first $2\frac{1}{4}$ miles, across the river to the Elbow Township, was also finished in February. It is proposed to work this as a goods siding only.

WESTERN RAILWAYS.

Riverton and Otautau Lines.—During the year additions have been made to eight stations: they comprise one goods-shed, three platforms and shelter-sheds, a telegraph office, and various smaller improvements.

Otautau-Nightcaps Line.—The formation on the Opio section was finished in June, 1880. The Waicola formation section (7½ miles), contracted for in April, 1880, is now so far advanced as to admit of the permanent way being commenced on a portion of it. Tenders are therefore called for the platelaying on 8 miles—the 3 miles of the Opio section and 5 miles of the Waicola section. The railway ought to be ready for opening to the Nightcaps Coal Field during the ensuing year.

Riverton-Orepuki Line.—The Riverton contract (6 miles in length), which includes formation and permanent way, is fast approaching completion; little now remains to be done but the ballasting. The whole section is expected to be finished at the beginning of June.

About 50 of the "unemployed" were sent from Hindon to commence a further section of the Orepuki line. They were kept on for about two months, during which time they did about 1½ miles of bush-felling and a small quantity of earthwork.

ROADS AND BRIDGES.

NELSON DISTRICT.

Tophouse and Tarndale Road.—The section of the road between Tophouse and the Woolshed Flat, about 5 miles, has been finished this year, so drays can get as far as the Rainbow without difficulty. A contract has also been let for a short section through the Wairau Gorge. This will make it possible for drays to go all the way to Tarndale, and is, in fact, the last link in the communication for vehicles between the two ends of the Middle Island. The communication will, however, be of a very indifferent character till the road is formed through the whole length of the Gorge, and at other bad places in the Wairau watershed. The road is already open for vehicles all the way from Tarndale to Canterbury, and nothing is required to make it passable at all seasons but the bridging of the Waiau and Upper Clarence, and the cutting of some spurs to avoid the crossing of the Acheron. If the works above referred to were carried out, the journey from Christchurch to Nelson could be performed in two days.

Pelorus Valley Roads.—The Wakamarina and Kaituna Bridges are completed, and a small one over Cooper's Creek is in progress. Six miles of the road are finished, and further sections of the aggregate length of $9\frac{1}{4}$ miles are in hand, making a total of $15\frac{1}{4}$ miles. Of this length, 3 miles are in the Wakamarina Valley, but the remainder is on the main line of road between Blenheim and Nelson. The length of road to make between the present terminus and Nelson $vi\hat{a}$ the Rai Valley would be about 20 miles.

Nelson to Buller Valley Road.—Two contracts have been let on this road during the year—one for re-forming and gravelling 19 miles of the section between the Motreka Valley and the Hope junction, and the other for forming and gravelling $1\frac{1}{2}$ miles in the Buller Valley below the Matiri. The works are in both cases well advanced. The first calls for no special remark: the contract consists simply of the re-forming and gravelling of a road that was previously in existence. The other contract is for forming the last section of the road: it removes the only obstacle to wheel traffic between Nelson and the West Coast. The work is expected to be finished in July. Although it will after this be quite passable for ordinary traffic, a great deal remains to be done to make it anything like a first-class road. The Owen and Matiri Rivers, and Granity Creek, require bridging, and the road wants widening in many places.

Aorere Valley Road.—Six miles of the pack-track made last year have been converted into a dray-road, and a dray-bridge, 70 feet long, built over the Silverstream.

WESTLAND DISTRICT.

Westport-Reefton Road.—There have been no works in progress by the Government on this road during the year. Contracts have, however, been prepared, and tenders are now advertised, for bridges over Coal Creek, Orawaiti Overflow, and Nine-Mile Creek. The bridges are all small, and of the usual construction.

Reefton-Greymouth Road.—The only work in progress on this road during the past year is the bridge over the Inangahua River, at Reefton, which is fast approaching completion. It has 5 spans of 60 feet, and 4 spans of 15 feet. The work, which was somewhat difficult, has been carried out in a satisfactory manner.

Greymouth-Okarito Road.—A few minor works, such as the horse bridge over Okarito River, deviation of road at the Teremakau, and foot bridge over Duffer's Creek, have been in hand during the year. They call for no special remark.

Haast Pass Track.—The bridge over the Wills River was finished early in the year, and the track has been improved throughout. Communication is therefore established between the Wanaka District and the West Coast. The track wants still further improvement in places to make it passable in all seasons, but the cost of doing so would be comparatively small.

General.—Hereto is appended a statement (Enclosure No. 2) prepared by the Resident Engineer, showing the works executed on roads in Westland to 31st March, 1881. The works still required

to complete the communication between Nelson and all parts of the West Coast are the three bridges in the Buller Valley already referred to; and bridges over the Inangahua near its junction with the Buller; Larry's Creek, Waituhu, or left branch of Inangahua; and Little Grey, at Devery's Terrace. The latter is the only river unbridged between Greymouth and Reefton. Some of the residents are advocating the bridging of the Buller itself. I do not consider this of so much importance as the bridging of what may be termed the secondary rivers. With proper ferries the Buller can always be crossed, except in extreme floods; but the least rise interrupts the traffic at the smaller rivers.

CHRISTCHURCH-HOKITIKA ROAD.

The weather on the West Coast during the past year was exceptionally fine; consequently the maintenance of the road was comparatively light. A few slips occurred on the eastern side, where the weather was not so favourable, but they were not of a serious character.

A deviation of the road in the Otira Valley for a distance of 3½ miles has been made to clear the encroachment of the river on its banks. Wire bridges for the convenience of foot-passengers are also

in course of construction over the Porter and Broken Rivers.

If it is intended to uphold this, the main line of communication between the East and West Coasts in anything like an efficient manner, it will be necessary to consider the question of bridging some of The Taipo and some of the other the rivers which so frequently and quickly interrupt the traffic. rivers on the west side of the range are particularly bad in this respect.

CANTERBURY DISTRICT.

Rakaia Gorge Bridge.—At the date of my last annual report it was intended to erect the bridge by day-labour, no practical result having followed the calling for tenders on two different occasions. Subsequently it was represented to the department that the depression in business would cause more competition if tenders were again called for. This was done. Ten tenders came in, and the contract was given to the lowest tenderer. The work is not progressing rapidly. The excavations for the anchorshafts, and foundations for abutments are nearly finished, and a quantity of cement has been brought on the ground, but nothing has yet been done to the actual work of erection.

OTAGO DISTRICT.

Waikari to Waitati Road.—About 3½ miles of this road has been cleared and formed; this brings it about two miles past the Saddle, on the Blueskin side. The work was done by the "unemployed," on the same terms as the railway works.

Maori Kaika Road.—The whole of the vote for this work has been expended, and a good road formed round the beach, from the Kaika towards Taiaroa Heads. The resident Natives have, so far as possible, been employed on the work, and they have carried it out in an economical and workmanlike manner.

WATER-RACES.

In accordance with the usual practice, I enclose the Resident Engineer's report on the Westland water-races in full (Enclosure No. 3).

As will be seen from the report, the only new works of importance that were in hand during the year are the Kumara Sludge-channel and the Mikonui Water-race, both of which have proceeded as

rapidly as the available funds would permit.

The Gold Fields Department will be dealing at length with the question of the working of the Government races and the yield from them; so I will not, as in former years, enter into it more than to remark that this year shows a falling-off not only in the revenue, the yield, and the number of men employed, but also in the average earnings of the miners.

MISCELLANEOUS WORKS.

The miscellaneous works executed and in progress during the year are of little importance. only ones worth mentioning are—the extension of the jetty at Queenstown; the building of the dredge for Greymouth, already referred to; making coal-boxes for Auckland; and the manufacture of sundry articles of railway plant at the various centres.

A contract is also in preparation for the Forest Hill Tramway, in Southland. It is intended to connect the Crown lands and settlement at Forest Hill with the Township of Winton, the distance

being about 6 miles.

BUILDINGS.

The total expenditure on public buildings in the Middle Island during the past financial year is as follows:-

						at s	. d.
Judicial	•••					10,291	8
Postal and Telegraph		•••	• • •			3,547 18	3 2
Offices for Public Depa	rtments			•••	•••	3,232 17	6
Lunatic Asylums		•••				24,211 10	3
${f M}$ iscellaneous			•••		•	16,816 16	7
					•		
Total				•••		£58,100 12	2
						,	

I append hereto a table (Enclosure No. 4) giving a summary of what has been done during the year, and showing the state of the work on each building. This table shows that forty buildings have been in course of erection, or altered or repaired; they comprise twenty judicial, ten post and telegraph, five buildings for public offices, two lunatic asylums, and three miscellaneous. Of this number, the following are entirely new buildings: six judicial, four post and telegraph, two buildings

for public offices, two lunatic asylums, and one miscellaneous.

The most important public buildings in progress during the past year are the extensions to the Lyttelton and Addington Gaols; Lyttelton Police Office; Courthouses at Christchurch, Ashburton, and Invercargill; public offices at Timaru; and lunatic asylums at Sunnyside and Seacliff. The works do not, however, call for special comment. They are all either satisfactorily finished or progressing favourably.

SURVEYS.

General.—Any surveys made on railways portions of which are under construction have been referred to under their respective heads. Those now to be considered are surveys of lines that are as

vet only proposed

Rast and West Coast Railway.—In compliance with representations made by the residents of Hokitika a reconnaissance survey has been made of the passes in the main range near the head waters of the Rakaia and Hokitika Rivers. Two saddles occur in this locality: the Whitcombe Pass, 4,180 feet high, and the Mathias Pass, 4,230 feet high. Neither of them offers any facilities for railway construction not possessed by the routes farther north, and in the matter of height and distance the advantages are all in favour of the latter. The altitudes of the saddles on the principal routes farther north are as follow: Arthur's Pass, 3,014 feet; Hurunui, 3,150 feet; Hope, 3,230; and Lewis, 2,870 feet. The distance between Brunnerton and Christchurch is 184 miles by the Whitcombe and Mathias routes, as against 142 by Arthur's Pass, 151 by the Hurunui, and 150 by the Hope.

A private company, which is now being floated in Christchurch to make a railway between the East and West Coasts, advocates the Ada Pass saddle as the best route across the main range. This is a mere local deviation of the Lewis or Cannibal Gorge route, referred to at length in my report of 1879. Mr. O'Connor has made a reconnaissance survey of the Ada Pass saddle, and he is preparing a special report on the subject. The result of his investigation is that the route does not present any advantages to counterbalance its extra length and the extra height of the range at the crossing-place. With lines of the same character the Ada route would be 13 miles longer than the Lewis one, and the saddle in the latter case is 2,870 feet as against 3,300, the height of the Ada Pass. It will be seen from my report of 1879 that the chief objection to the Lewis route was its excessive length. The distance from Brunnerton to Christchurch is 76 miles longer by the Ada Pass than by Arthur's Pass, and 106 miles longer to Rolleston and all places south of the Malvern branch.

It may be set down as a general conclusion that a workable gradient cannot be got on the western side of the range on any of the routes without unduly increasing the length of the railway. Therefore, if such gradients are a sine qua non, it is better to get them by making zigzags on a direct route,

than by making a long detour through an unproductive country.

A detailed preliminary survey has been made for the Department by Mr. G. P. Williams, C.E., of that portion of the Arthur's Pass route between the Waimakariri Gorge Bridge and the Bealey River. The survey shows the line to be exceedingly rough, particularly for the 11 miles from Camping Gully to Avoca. The earthworks are not extravagantly heavy, but the bridging is altogether beyond bounds and there is a large amount of tunnelling. The survey has been made to 7½-chain curves, and 1 in 50 gradients. A very large saving could of course be effected by adopting a lower standard, and this is quite permissible, for the steep gradients would be in favour of the heavy traffic. It is possible that a better line could be got, by keeping on the southern side of the Waimakariri all the way from Springfield to the Broken River. This country also seems very rough; but a correct idea cannot be formed of its suitability for a railway till a detailed survey is made.

If a good line is not got down the Waimakariri River, the Arthur's Pass line can be brought to the Canterbury Plains by way of the Rakaia valley. It would leave the Waimakariri Valley at Lake Pearson, and go by Cragieburn Saddle, Blackball Creek, and the Porter River to Lake Lyndon; thence down the Acheron, and along the slopes of Big Ben Range to the Rakaia. A general inspection of this route shows it to be free from the serious engineering difficulties which were met with in the Waimakariri Gorge. A good line can apparently be got at a moderate cost. There is, however, a great objection to it in its excessive length; it adds 15 or 20 miles to the distance between Brunnerton and Christchurch, without materially lessening the distance to the southern districts of Canterbury.

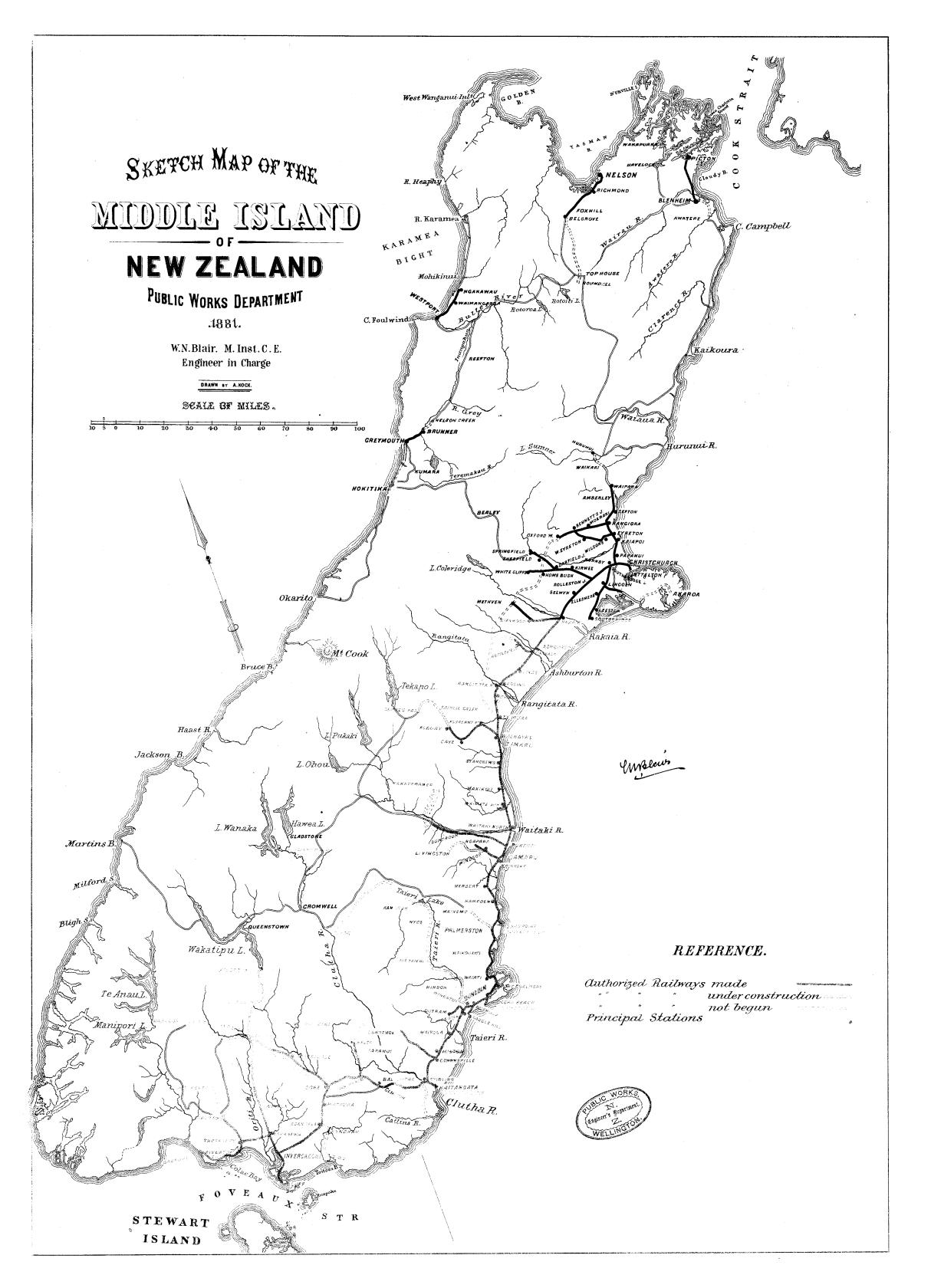
and Christchurch, without materially lessening the distance to the southern districts of Canterbury.

Tapanui-Waikaka Railway.—The survey of the two lines described in my last annual report, has been made by Mr. H. P. Higginson, C.E., for this department. It shows that a good line can be got on either route at a moderate cost. The inland line is a mile longer, and, on account of having to cross the Mataura, it will cost £10,000 more than the one running down the Waikaka Valley. It is, however, decidedly preferable, inasmuch as it opens up entirely new country remote from railway communication.

Waimea-Switzers Branch.—A detailed survey has been made of this line. As the country is so easy, the permanent survey was made at once. The length of the branch, from the Gore-Elbow Railway at Riversdale to the Township of Switzers, is $13\frac{\pi}{3}$ miles; and its estimated cost, including a bridge over the Mataura but exclusive of rolling-stock, is £46,000. The minimum curve on the line is 12-chains radius, and the steepest gradient, 1 in 132.

GENERAL REMARKS.

Number of Men on Works.—The average number of men directly employed on public works in the various districts of the Middle Island since June, 1879, is as follows. The averages for 1880-81 is only for the nine months ended this date; the return for the previous year being made up to 30th June:—



			, ***

	Dis	STRICT.			yed by actors.	Government including	nt Labour, Surveys.	То	tal.
				1879-80.	1880-81.	1879–80.	1880-81.	1879-80.	1880-81.
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These numbers do not include contractors' men employed off the works, nor men employed by the Working Railways Department on works chargeable to construction. There has also been an average

of 87 men employed on public buildings during the year.

As shown otherwise by this report, the "unemployed" in the Middle Island were discharged altogether during the harvest months, and they have not again been taken on. In consequence of the general revival of trade, the question of providing employment for the surplus labour in the colony did not assume the large proportions that was anticipated, and the vote taken for the "unemployed" not touched.

Map.—A map of the Middle Island, showing the authorized railways made, under construction,

and not begun, is appended hereto (Enclosure No. 5).

Enclosures.—The following enclosures accompany this report:—

No. 1. Lengths of Railways Authorized, Constructed, and Surveyed, &c., Middle Island.

" 2. Statement of Works executed on Roads in Westland.

3. Annual Report on Water-races.
4. Statement of Works executed on Public Buildings.

" 5. Map of Middle Island.

I have, &c., W. N. Blair, Engineer in Charge, Middle Island.

Enclosure 1 in Appendix E.

TABLE of LENGTHS of GOVERNMENT LINES AUTHORISED, CONSTRUCTED, and SURVEYED up to 31st March, 1881.

MIDDLE ISLAND.

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Waitaki ~ Bluff and Branches

TABLE of LENGTHS of GOVERNMENT LINES AUTHORISED, CONSTRUCTED, and SURVEYED up to 31st March, 1881-continued.

MIDDLE ISLAND-continued.

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			Otago Central 181		,		Invercargill-Kingston Invercargill-Kingston 86 74)						Kingston Wharf				Wallacetown Branch	Otantan Branch	המתממת אבומונה	Otautau-Nightcaps		Orepuki Branch			Totals opened for Traffic
			Otago Central Rail-	тау			Invercargill-Kingston	and Branch, Lums-	den-Mararoa									Western Railways							-	

Enclosure 2 in Appendix E.

ROADS in the Westland District.—Statement of Work Done on each Road under Public Works Acts to 31st March, 1881.

	L.)G	•									
sist March, 1881.	Remarks,	Very difficult river to bridge; rise of water in floods, 39 ft.		River very undefined: bad site for bridge.	Difficult river to bridge: mountain torrent: hard reef	close below river-bed. Traffic went across open plains before road was made. Easy stream to bridge; formation of approaches moderate.					About 1½ miles very heavy work; remainder about	average. Very heavy timber; steep sidling cuttings, partly rock, and high embankments in places at crossings of deen	ravines. Work consisted of reconstructing and widening old	road, with new culverts. Heavy embankment approaching Arnold River.	7 m. 31 ch. of new road along very difficult country, and reconstructing and widening old road for 1 m.	22 ch.; all new formed, 17 ft. wide, with 12 ft. width of metal, 12 in. thick.	Average bush-felling. Average bush-clearing; very steep sidling ground throughout, necessitating heavy earthwork.
s Acts to S	State of Roads for Traffic.	Good	Not quita	finished Good	Good		Good	Just passable		Good	Good	Good	Good	Good	Аз въоте		Fair Good
of the Lore of each road under rubile works Acts to 31st March, 1881.	Principal Bridge Works Executed on each.	Westport-Referon Road. 1 bridge, total length 200 ft., consisting of 3 60-ft. spans, trussed, and 1 18-ft. span, trussed	Greymouth-Referon Road. 1 bridge, 365 ft. long, consisting of 5 60-ft. snans, trussed, and	4 15-ft. spans, plain 1 bridge, 785 ft. long, consisting of 6 55-ft. spans, trussed,	1 47-ft. span, trussed, and 27 15-ft. spans, plain 1 bridge, 760 ft. long, consisting of 11 55-ft. spans, trussed, and	10 15-ft. spans, plain 30 lin. ft. culvert covering; no bridges 1 bridge, 260 ft. long, over Nelson Creek	3 bridges, total length 2,170 ft	4 bridges, total length 79 ft.; and 187 lin. ft. culvert covering		GREYMOUTH-ARNOLD ROAD. 124 lin. ft. culvert covering, retaining walls, and 20,400 cub.	yds, rocky cutting 8 bridges, total length, 206 ft.; and 233 lin. ft. culvert	covering; also 10,000 cub, yds, rocky cutting 13 lin. ft. culvert covering	93 lin. ft. culvert covering	1 bridge, 25 ft. long, and 50 lin. ft. culvert covering	9 bridges, total length 231 ft.; 513 lin. ft. culvert covering, and 30,400 cub. yds. rocky cutting		GREYMOUTH-OKABITO ROAD. 13 bridges, total length 848 ft.; and 560 lin. ft. culvert covering 6 bridges, total length 441 ft., four of them being lattice trusses, with spans 50 ft. and over; and 246 lin. ft. culvert covering
1	Thickness of Metal,	In. 12	12	12	12	12	12			12	12	12	12	12	12		12
	Width of Metal.	Ht.	12	12	12	12	12	70		12	12	12	12	12	12		12
	Width of Formation.	Et.	17	17	17	17	17	93		17	17	17	17	17	11		17
**************************************	Position.	At Ohika River	At Inangahua River	At Grey River Junction	At Ahaura	On Ahaura Plains At Nelson Creek	Greymouth to Reefton	STILLWATER_TO MAORI GULLY		Greymouth to Omotumotu	Omotumotu to Brunnerton	Omotumotu to Brunnerton (deviation at Wallsend)	Brunnerton to Stillwater	Stillwater to Arnold	Greymouth to Arnold River		Greymouth to Mareden Mareden to Hohonu
	Length Metalled.	M. ch. 0 19	0 15	0 39	0 29	2 18	6 30	6 15		2 11	3 78	0 34	1 22	89 0	8 53		10 2 7 17
	Length Formed.	M. ch. 0 19	0 15	0 39	0 29	2 18 3 9	08 9	6 15	<u>_</u>	2 11	3 78	0 s4	:	89 0	7 31		10 2 7 17
	Length Oleared,	M. ch.]	:	0 39	0 29	e	3 77	5 71		2 11	3 78	0 34	:	89 0	7 31		9 41 7 17
	Length of Road Burveyed,	M. ch.	0 20	0 20	0 41	2 18 3 9	6 58	6 15		2 11	3 78	0 34	1 22	89 0	8 53		10 2 7 17

										51					•
River liable to heavy floods, and carrying large masses	of timber. Average bush, average earthwork. Average class of work. River liable to heavy floods, and carrying large masses	of timber. Average class of work.	Average clearing and forming.	Average clearing and forming.	Average clearing and forming.	Heavy earthwork, moderate clearing.	Heavy bush-clearing and grubbing, and moderate earthwork; of the total distances metalled, 89 m.	8 ch. is 12 ft. wide, 4 m. 78 ch. is 8 ft. wide, and 53 m. 67 ch. is 5 ft. wide; two of the bridges are long and difficult	Very heavy timber; average earthwork. Constructed on site of old track, which was partly	cleared and formed. Average country. Basy country, average timber.	r ram Druge. Easy country. Average country.	Plain bridge. Average earthwork, heavy timber.	Average country. Cattle track round steep bluffs. Average country, heavy clearing.	Practivitate country mountain towards some lighly to	slips and inundations. Moderate clearing and forming, mostly sidling.
;	: : :	:	:		:	:	оте		: :	: :	: : :	: : :	əld	•	: :
Good	Good Good Good	Good	Good	Fair	Fair	Good	Аѕ аботе		Good Fair	Fair Fair	Good Good	Good	Good Passable Fair	: :	Fair
	o 15-ff. spans, plann 1 lattice bridge, 45-ff. span, and 251 lin. ff. culvert covering 1 bridge, 45-ff. span, and 101 lin. ff. culvert covering 1 bridge, 810 ft. long, consisting of 13 55-ff. spans, trussed, and		length 295 ft.; also 468 lin. ft. culvert covering 1 bridge, 45 ft. long, and 400 lin. ft. culvert covering	ring; a	223 lin. ft. 4-ft. culverts, under banks 130 lin. ft. culvert covering; also 1 bridge, 52 ft. long	4 bridges, total length 139 ft., and 55 lin. ft. culvert covering	37 bridges, total length 3,352 ft., and 3,094 lin. ft. culvert covering; also 223 lin. ft. 4-ft. culverts, under banks	ı	47 lin. ft. culvert covering 52 lin. ft. culvert covering	176 lin. ft. culvert covering 74 lin. ft. culvert covering			1 orige, 20-11. span, and 39 III. ft. culvert covering 1 bridge, 1 span 97 ft., trussed; width 6 ft 259 lin. ft. culvert covering	HOKITIKA-CHRISTCHUROH ROAD. Maintenance only	
12	222	12				80	s above		12 8	821 ::	∞ ∞	:23°	ο φο 	4 to 12	12
12	1221	12	 	10		o o	Vari ous as		9 8	12 0	00 kG	:20		16	12
11	17	. 17	, 10	10	10	, 12	<u> </u>	<u> </u>	11 12	17 17 8				18	. 17
At Kumara	Stafford to Arahura Hokitika to Kanieri At Kanieri	Kanieri to Ross	Bowen to Waitaha (Sections 1, 2, and 3,	West end) Waitaha to Wataroa (Sections 4 to 12	Wataroa to Okarito Forks (Sections 6	Okarito Forks to Okarito (Sections 1, 2, and 7, south-east)	Greymouth to Okarito		MARSDEN TO PAROA ROAD MARSDEN TO MAORI CREEK	POUNAMU TO LAKE BRUNNER JUNCTION TO CHRISTOHURCH ROAD WAIMEA, RIGHT-HAND BRANCH		SOUTH CREEK—BRANCH TO MAIN LINE ORARITO FORKS TO LAKE MADDINE	OKARITO TO HAAST PASS AHAURA TO KOPARA FLATS	Rangiriri to Arthur's Pass	Kelly's Creek to 48 mile-post
0 17	3 35 1 67 0 12	16 18	13 15	30 12	10 34	70 44	97 73		5 20	∞ 4₁	444	0 37 3 76	0 69 5	only	3 14
0 17	3 35 1 67 0 12	16 18	13 15	30 12	10 34	73 44	97 73		0 77 5 50	8 4 4 65 ridge on ly	446	65 7	3 60 5 66	31 miles, main tenance only	3 14
0 17	3 31 1 67 0 12	16 19	13 15	30 33	10 34	70 44	97 50		0 77 5 50	25 25 E	52.	9 37 3 76		, main t	3 14
1 22	3 63 1 67 0 25	16 21	13 15	30 33	10 34 1	љ 4	99 43		0 77 5 50		440	W. 7.	6 11 12 22	31 mil es	3 14

Enclosure 3 in Appendix E.

WESTLAND DISTRICT.—ANNUAL REPORT ON WATER-RACES.

Public Works Office, Greymouth, 31st March, 1881. SIR.

I have the honor to report as follows upon the water-races in the Westland District for the financial year 1880-81. The water-races in question are—

Nelson South-West Gold Fields-

Four-Mile Water-race, Charleston District. Nelson Creek Water-race, Grey Valley District. Westland Gold Fields-

New River Water-race, Marsden District. Hibernian Water-race, Marsden District. Hohonu Water-race, Greenstone District. Waimea Water-race, Waimea District. Waimea Extension to Kumara, Kumara District. Kanieri Lake Water-race, Hokitika District.

Mikonui Water-race, Totara District.

Four-Mile Water-race.—No works have been done on this race during the year, excepting the ordinary maintenance of the Argyle Race. The maintenance cost £461. Portions of the race are, however, now very dilapidated, and are badly in need of renewal. Plans were prepared, and tenders called for a deviation near the head of the Argyle Race, which would have the effect of avoiding a very insecure portion of it, besides reducing the length of the race very materially. The lowest tender received amounted to £2,206 6s., but was not accepted. In my last annual report, I explained the various works proposed in connection with this race, and, as the conditions of the case have not altered since (or any new proposals been made so far as I am aware), it will not be necessary for me to further report upon this matter at present, except to say that it will probably be necessary for me to further report upon this matter at present, except to say that it will probably be necessary to execute very extensive repairs on the Argyle Race during next year in order to keep it open.

Nelson Creek Water-race.—Length, 16 miles 24 chains; capacity, 60 statute-heads. No construction-works have been done on this race during the year. The maintenance is entirely under the control of the Gold Fields Department. Its maintenance during last year cost £1,467.

New River, Hibernian, and Hohonu Water-races.—These water-races were subsidized by the

Government many years ago, but the works have now been abandoned by the promoters, and there

appears to be no present probability of their resuming occupation of them.

Waimea Water-race.—Length of main race, 16 miles 4 chains; capacity, 40 statute heads. Length of branch race near Goldsborough, 59 chains; capacity, 30 statute-heads. No construction-works have been done on this race during the year, but the maintenance of the race has been carried out. It has cost £758, which is defrayed by the Gold Fields Department.

A survey for a drainage tunnel from Kelly's Terrace, near Stafford Town, has been made during the year. Its purpose is to drain ground said to be auriferous, and which is commanded by the Waimea Race. The length of the proposed drainage tunnel would be about 103 chains, and its probable cost about £5,000. By the route set out a clear outfall on to the sea-beach would be obtained, and the fall in this direction is ample to drain the desired area. Other and shorter lines have been proposed, which would be also less costly; but they possess the disadvantage of not admitting of ample fall being given, and of the outfalls being into a creek the bed of which is continually filling up with tailings, which would very probably choke any outfall there. One other and principal reason for the selection of the line I recommend is, that it will, in the opinion of the miners conversant with the place, follow approximately the run of the gold; and it will follow from this that the lengths of the branch tunnels

required to drain the claims will be reduced nearly to a minimum.

Waimea Water-race (continued): Extension to Kumara.—Length of main distribution race, 3 miles 1 chain; capacity, 20 statute-heads. Total length of branch distribution races, 4 miles 4 chains; capacities varying from 5 to 50 statute-heads. Supply race from Kawhaka Creek: length, 4 miles 60 chains; capacity, 30 statute-heads. The above races have now been opened for over three years. Their maintenance during last year cost £2,451, which is defrayed by the Gold Fields Department. The first section, 46 chains in length, of the sludge-channel at Kumara is now practically complete. It has been satisfactorily executed throughout. A most deplorable accident on the 5th July last, by which three men lost their lives in consequence of a fall of earth, is the only circumstance of consequence to mention in connection with it. The second section of the sludge-channel is 39 chains in length, and was let on the 15th November last to Mr. E. J. T. Price for £5,590. The tunnel along this portion of the channel is smaller than in the first section, owing to the traffic on the tramway being anticipated to be less. The work done up to end of year has been principally of a preparatory nature, consisting of sinking shafts and erecting winding machinery; only a short length of the tunnel itself having been driven. Matters are in train, however, for a rapid rate of progress from this forward.

The total cost of the sludge-channel up to its completion will probably be about £16,000.

The dam in Kapitea Valley alluded to in last year's report has not yet been proceeded with.

Kanieri Lake Water-race.—This water-race, like the New River and other races before mentioned, was subsidized by the Government many years ago, and it has similarly been abandoned by its pro-

moters with no present prospect of their resuming its use.

Mikonui Water-race.—Length of main race, 14 miles 40 chains; capacity, 40 statute-heads. Branch race and supply pipe to Ross: length, 60 chains; capacity, 20 statute-heads. The two contracts in operation at end of last year have since heen completed, and a further batch of eleven sections were advertised for tender early in year; of which, tenders for nine sections were accepted. Of these nine sections, six have since been completed, and three are still in progress. These sections have consisted altogether of tunnelling; no other class of work having yet been put in hand. Some of the tunnels have been through hard rock, which has rendered their progress very tardy. The total length of tunnelling completed and under contract on this race is 1 mile 38 chains; the whole of which is situated between the lower end of the long tunnel and the termination of the main race. It will probably be

considered advisable to commence the construction of the long tunnel before any other works are undertaken on this race, as there does not appear to be any probability of a water-supply being obtainable until that portion of the work is carried out, and it will take some considerable time to complete it.

The collateral advantages derived from the water-races worked by the Government during the

financial year have been approximately as follows:-

Race.			Number of Men employed.	Number of Ounces of Gold obtained.
Argyle Race Waimea-Kumara Races	•	•••	$\begin{array}{c} 24 \\ 502 \end{array}$	1,303
Valmea-Kumara Races Velson Creek Race	,		68	18,947 3,959
Total	•••		594	24,209

The average annual income of each of the men so engaged would be £143. The net revenue over and above working expenses has been as follows:-

Argyle Race £256 , ... Waimea-Kumara Races ... 1,255 Nelson Creek Race 596... Total £,2107

I have, &c., F. W. MARTIN,

The Engineer in Charge, Middle Island, Dunedin.

Drainage, Burnham Industrial School

Class-rooms for Burnham Industrial School

Resident Engineer.

Finished.

Finished.

Enclosure 4 in Appendix E.

PUBLIC BUILDINGS IN MIDDLE ISLAND, STATEMENT OF WORKS EXECUTED DURING YEAR 1880-81.

NELSON DISTRICT. JUDICIAL,-Repairs, Picton Gaol Finished. Repairs, Blenheim Gaol ... Finished. POSTAL AND TELEGRAPH,-Alterations to Post and Telegraph Office, Nelson Finished. Painting Telegraph Station, Cable Bay Painting Telegraph Station, Motueka In progress. In progress. Additions to Telegraph Station, Takaka In progress. OFFICES FOR PUBLIC DEPARTMENTS,-Combined Courthouse and Post and Telegraph Office at Collingwood Tenders called for. Ceiling Contract, Government Buildings, Blenheim ... Tenders called for. WESTLAND DISTRICT. JUDICIAL,-Additions and alterations to Warden's Residence, Reefton Finished. Repairs and additions to quarters for Clerk to Magistrate, Maori Gully ... Finished. Repairs and fittings for Courthouse, Staffordtown ... Finished. Outbuildings, fencing, and repairs to Resident Magistrate's House, Greymouth Finished. .., POSTAL AND TELEGRAPH,-Post and Telegraph Office, Westport Finished. Post and Telegraph Station, Ahaura Finished. New roof to Post and Telegraph Station, Lyell Finished. CANTERBURY DISTRICT. JUDICIAL,-Additions to Lyttelton Gaol In progress. Additions to Addington Gaol Completed. ٠.. ... Lyttelton Police Station ... In progress. Lock-up at Bingsland ... Finished. Lock-up at Papanui ... ٠., Finished. Additions and fittings for Courthouse, Christchurch Finished. Courthouse, Ashburton Finished. Fittings, fencing, and outbuildings for Courthouse, Ashburton... Finished. ... Courthouse, Temuka Plans being prepared. ••• ...

Miscellaneous,— Drainage, Lyttelton Orphanage		•••				Finished.
Postal AND Telegraph,— Post and Telegraph Office, Syden Post and Telegraph Office, Akaro		· · · · · · · · · · · · · · · · · · ·				Finished. Finished.
Offices for Public Departments,- Fittings for Deeds Office, Christo Government Buildings, Timaru Gas and other fittings for Govern	hurch	 ildings, T	 imaru	•••		Finished. Finished. Finished.
LUNATIC ASYLUMS,— Sunnyside, Christchurch (contrac Sunnyside, Christchurch (contrac Sunnyside, Christchurch, repairs	t No. 2)	•••	 j.House			Finished. Nearly finished. Finished.
Judicial,	OTAG	O DISTR	ICT.			
Additions to Police Barracks, Taj	panui	•••		•••		Finished.
POSTAL AND TELEGRAPH,— Removal of Post Office from Wai	tahuna to	Balcluth	a	•••		Finished.
LUNATIC ASYLUM,— Seacliff		•••	•••	•••		In progress.
OFFICES FOR PUBLIC DEPARTMENTS,- Repairs to Government Buildings		n	•••			In progress.
	SOUTHI	AND DIS	TRICT.			
Courthouse at Invercargill Additions to Invercargill Gaol New roof to Police Camp, Bluff Repairs to Courthouse, Riverton			•••	•••		Finished. Finished. Finished. Finished.
Miscellaneous,— House for Natives, at the Bluff Repairs to Quarantine Barracks	•••	•••			•••	Finished. Finished.

APPENDIX F.

SCHEDULE of RAILWAY CONTRACTS CURBENT on the 1st April, 1880, and Contracts Entered into by the Public Works Department during the Financial Year ended 31st March, 1881.

10				NORTH	H ISLA	ND.				
Date of Contract.	Lines of Railway and Branches.	Name of Contract.	Particulars.	Length of Contract.	Length of Sidings in Contract.	Name of Contractor.	Contract to be Completed.	Date Contract was Completed.	Amount of Contract.	Remarks.
Mar. 1, 1880 Mar. 9, ", Dec. 10, ",	Камакама	I 3-fon Steam-orane Taumarere Kawakawa, No. 3	Formation F.,P.L.,and	M. ch. lk, 1 0 0 4 11 0	M. ch. lk.	Fraser and Tinne William Sims Larkins and O'Brien	Dec. 27, 1880 Mar. 2, 1881 June 6, 1882	Dec. 27, 1880	£ s. d. 496 13 4 9,274 9 10 23,957 0 0	Part of contract for 3 cranes.
Mar. 10, 1879	Whangarei to Kamo	Като	Formation	0 0/ 1	Ē.	Thomas Jones	Oct. 31, 1879	July 3, 1880	2,257 9 11	Part of contract; balance, viz., £1,678 148. 7d. charged
_		Conveyance of Rails and Sleepers	:	:	:	M. Niccol	Mar. 23, 1880	30,	ŧ	Lisc ic W dule
Mar. 1, ,, Mar. 3, ,,	R R R		F., P.L.,	2 2 : ::	1 +0+ 	è		Mar. 12, 1881	496 13 4 12,054 0 0	Part of contract for 3 cranes.
Nov. 9, 1878 Mar. 21, 1879	Kaipara to Waikato	Freight on Locomotive Ohaupo Waitakerei	and Bags. F. and P.L. F. P.L.,	6 21 0 12 64 0	0 60 0 1 45 0	D. Gouk Daniel Fallon Taylor and Danaher	Feb. 5, 1880 Sept. 11, ",	July 31, 1880 July 1, ,,	44 0 0 25,972 5 6 36,601 5 2	
112 (1)			and Dugs.	::	::	William Blewden	Sept.		2,099 0 0	
H	2 2 2	1 3-ton Steam-crane Te Awamutu Station Road No. 17, Station Buildings	: :	::	::	Fraser and Tinne Bearsley and McConkey Scott and Coombas	April 27,	27, 53,	496 13 . 4 171 14 6	Part of contract for 3 cranes.
Mar. 30, ", July 13, ", Oct. 16, ",			: : : :	: : : :	: : : :	James Gibson Daniel Fallon Peter Birley	-in	June 10, ,,		The amount of this contract was re-
Nov. 4, ,, July 10, ,,		No. 19, Station Buildings 60 Coal-boxes	: :	::	::	ud Co.		Dec. 22, 1880 Feb. 15, 1881	155 0 0 909 0 0	duced by $£31.787$ before any work was commenced,
			: 1	Ξ,	:	Scott and Coombe				and afterwards by £4,500; work for latter sum being
Jan. 22, 1880 Feb. 1, 1881 Feb. 1, ,,	Grahamstown to Kauae-	Wankato I to Low-side and 35 Cattle- wagons	i :	12 64 0	: :	Hunt and White James Campbell	Jan. 19, " Depends when material handed to contractor	Oct. 21, 1880	9,930 8 2 585 0 0 585 0 0	done by Auckland Borough Council.
Jan. 3 ¹ , " Jan. 3 ¹ , " April 5, 1879	田也	60 Coal-wagons Shortland	F. and Re-	0 73. 0	: :	H. P. Kavanagh J. J. O'Brien		 Sept. 6, 1880	{ 569 5 0 569 5 0 8,393 1 4	
Oct. 1, ,,	ranga ,, ,,	Kauaeranga Bridge	clamation 	:	:	Alexander Watson	Feb. 24, 1880	April 15, "	763 7 6	

10—D. 1.

SCHEDULE of RAILWAY CONTRACTS CURRENT, &c.—continued. NORTH ISLAND—continued.

Remarks.		Contraction of	Was killed during progress of works. Contract was completed by the department.				
Amount of Contract.	0 0 1 0 0 m	0 0 0 0	0 0 0 0 0 0 0	308 10 0 620 0 0 630 15 0	1,183 14 10 500 0 0 105 8 0	15,164 16 0 141 11 8 135 19 6 158 0 6	39,791 14 3 23,514 8 3 12,429 4 0 1,780 16 3 420 0 0 37,3 11 6
Date Contract was Completed.	July 10, 1880 June 23, ", June 22, ",	i i	April 15, 1880 April 15, 1880 July 16, " Dec. 18, " Dec. 28, "	Dec. 6, ,,	May 12, 1880 June 12, "	 Dec. 16, 1880 Nov. 18, "	Sept. 17, " June 19, " Mar. 21, 1881 June 15, 1880 April 7, " July 3, "
Contract to be Completed.	April 30, 1880 June 30, 4 weeks from re- ceipt of material	6 weeks ditto Oct. 11, 1880 6 weeks from receipt of material Feb. 8, 1881	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	Dec. 6, ". Feb. 16, 1881 Depends when ironw'k handed	to contractor April 19, 1880 May 23, ", May 18, 1881	Aug. 18, " Nov. 18, 1880 Nov. 18, " Nov. 18, "	Dec. 5, 1879 April 16, 1880 Jan. 31, 1881 May 1, 1880 May 5, " April 18, " 6 weeks from receipt of material
Name of Contractor.	Angus Mackay Wilkie and Crawford MeIntyre and Co	James Campbell Thomson and McLean D. Williamson A. Ramsden	James Lockie R. W. Watson William Strachan Bishop and Hawkins J. A. Petherick	Henry Walker Andrew Compton James Russell	Ebenezer Gray H. Stewart T. Power	J. Saunders J. Farrell Hilliard and Co	E. W. Mills J. Saunders David Wilkie Robert McLean Thomson and McLean Robert McLean McIntyre and Co
Length of Sidings in Contract.	M. ch. lk.	:::::		: ::	: ::		0 0
Length of Contract.	M. ch. lk.		.	: ::	: : :	1 32 0 1 30 0 1 31 0 1 49 0	6 70 0
Particulars.	P.L.	E D		: ::	I . I I	F., P.L., and Bdgs. 	F. and P. L. F. and P. L
Name of Contract.	No. 1. Station Buildings Makatoko Freight on Railway Carriage 2 Carriages	ps res	Wharf iks, Petone Worksho a Station Buildings n Railway-station ster's House, Mast	ton Fencing, Wellington Railway- station Goods-shed, Wellington Station 15 Sheep-vans	Greytown Branch Station Buildings Greytown Branch, Fencing Fencing at Pakuratahi	Foxton Station No. 1, Fencing No. 2, No. 3,	Waitotara Wanganui Wharf and Reclamation Warerley Waitotare Station Buildings No. 2, Wanganui Workshops Stationmaster's House, Warerley Freight on 2 Railway-carriages
Lines of Railway and Branches.	Wellington to Napier. Napier to Makatoko ,, ,, ,, ,,	""""""""""""""""""""""""""""""""""""""			Greytown Branch "" Wellington to Foxton.		Foxton to Carlyle """""""""""""""""""""""""""""""""
Date of Contract.	Feb. 14, 1880 Jan. 5, " April 1, " June 15, "	Nov. 1, Sept. 21, Jan. 15, 1881 April 6, 1878		Oct. 13, ", Nov. 17, ", Dec. 20, ",		May 19, 1880 Sept. 8, ,, Sept. 8, ,, Sept. 8, ,,	June 7, 1878 April 17, 1879 Jan. 5, 1880 Jan. 15, ", Feb. 21, ", April 1, ",

Petty contract.	½ each, Foxton to Carlyle and Car- lyle to Waitara	Petty contract.				
443 0 0 194 0 0 1,043 12 6 495 0 0	169 12 6 80 0 0 16,928 13 0 109 13 9 1,125 0 0	93 4 0 552 0 0 207 14 0 0 75 18 8 180 17 6 146 10 0 9,950 0	0 0 0 0 0	1,641 10 0 87 15 6 897 17 0 49 10 0 595 0 0	396 0 0 1,862 5 0 2,230 8 0 259 17 6 259 17 6 259 235 0 0 3,520 0 0 3,520 0 0	3,275 12 6
Jan. 22, 1881 Sept. 18, 1880	July 22, "Sept. 18, "Nov. 7, 1880 Mar. 18, 1881 Nov. 13, 1881	Dec. 11, "	13, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14	Nov. 16, " Nov. 20, " Jan. 28, 1881 Dec. 31, 1880 Feb. 23, 1881	Mar. 12, ,, May 12, 1881	: :
* * * * * * * * * * * * * * * * * * * *		s weeks ditto Ravels ditto Mar. 13, 1881 20 weeks from receipt of material Mar. 31, 1881 Nov. 5, 1880 Noves from receipt of weeks from receipt of meeks from receipt of weeks from receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of the receipt of		rial	Mar. 8, 1881 Mar. 31, " June 18, " To weeks from receipt of material Mar. 31, 1881 Mar. 31, " May 30, "	23,
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O. Robinson J. Paterson H. Harris McIntyre and Co.	Keith Ramsay McIntyre and Co Downes, Procter, and Co. J. H. Heaton McFarlane and Swinbourn R. S. Martin	James Tawse R. S. Martin H. Kearns McCall and Sobye W. G. Basett McIntyre and Co.	J. McLellan Bullot and Green Berry and Newman J. C. George McIntyre and Co.	Walton Pell H. Hooker Mace and Bassett McIntyre and Co. W. R. Williams	G. Syme Walton Pell McIntyre and Co. Berry and Newman W. H. Brightwell Mace and Bassett	Scalley and McLaughlin E. Collins
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No. 1, Formation (Carlyle Branch) No. 2 ". " Bridge "." Freight on 7 Railway-carriages	" Rails and Fustenings " I Railway-carriage Carlyle Stution Freight on Rails Warerley Station Buildings Freight on Railway-carriages	Goods-shed, &c., Wanganui Freight on Rails, &c No. 3, Formation (Carlyle Branch) No. 4, Mangawhero Mangawhero Freight on 2 Railway-carriages	Bailway Material Sidings, Sentry Hill Workshops Waingongoro Store, New Plymouth Freight on 1 Railway-carriage	Kakaramea Culvert Forge, Sentry Hill Workshops No. 2 Culvert, Hukatere, Manutahi Section Freight on Wagon Ironwork Locomotives, Rails,		No. 3, Barthwork, Carlyle-Manutahi Section No. 2, Formation, Normanby Section
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SCHEDULE of Railway Contracts Current on the 1st April, 1880, and Contracts Entered into by the Public Works Department during the Financial Year ended 31st March, 1881.

MIDDLE ISLAND.

Remarks.	Balance of contract, £6,685, 12s. 6d., charged to Waitaki and Bluff Railway. Per 100 feet.
Amount of Contract.	8,159 ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °
Date Contract was Completed.	June 4, 1880 Mar. 14, 1881 Dec. 17, 1880 July 20, ,,, May 22, ,,, Jan. 10, 1881 Feb. 25, ,,, Oct. 31, 1880 Sept. 21, ,,, decide Nor. 13, 1880 Oct. 29, ,,, Dec. 8, 1880 April 28, 1880
Contract to be Completed.	May 26, 1880 July 18, 1881 Nov. 18, 1880 Nov. 9, " April 7, " Feb. 23, " Heb. 27, " Jan. 19, " Jan. 19, " Jan. 19, " Jan. 19, " Jan. 19, " Jan. 19, " Jan. 19, " Jan. 19, " Jan. 19, " Jan. 10, 1880 As Eugineer may Nov. 15, 1880 Mar. 21, " Dec. 10, 1880 May 28, 1881 Feb. 29, 1880 July 17, 1881
Name of Contractor.	Heter Dey H. Shepherd William Rowe William Rowe William Rowe William Rowe William Rowe William Rowe Smith and Co " " John Anderson Peter McGrath Peter McGrath Thomas Osborne Jagger and Parker Thomas Osborne Jagger and Cuild Grigg and Guild Jesse Coates Grigg and Guild Jesse Coates William Paisley H. McKenzie Henderson and Fergus
Length of Sidings in Contract.	M. ch. lk. ch. lk. ch. lk. ch. lk. ch. lk. ch. lk. ch. lk. ch. lk. ch. ch. ch. ch. ch. ch. ch. ch. ch. ch
Length of Contract.	M. ch. lk. 3 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Particulars.	F. F. F. T. F. and P.L F. and P.L F. P.L F. P.L P.L Formation and Bridge To and Bridge To and Bridge To and Bridge
Name of Contract.	Bellgrove Bellgrove Permanent Way Bellgrove Station Buildings Stillwater Dredge 5-ton Steam-crane Greymouth Blenheim Station Blenheim Station Raising Sinclair Street Repairs, Picton Landing-stage Rolling-stock, No. 1 Waipara Sawing about 100,000 feet Timber Sawing about 100,000 feet Timber Sawing about 100,000 feet Timber Sabionmaster's House, Waikari Bathonnaster's House, Waikari Rabaia Bridge Extension Glentunnel Station Buildings, &c. Asbburton Branch Extension Ellesmere Permnt. Way, No. 1 Albury Tengawai Bridge River Eyre Bridge
Lines of Railway and Branches.	Nelson to Greymout Nelson to Roundell """ Greymouth to Nels Oreek Works Greymouth to Harbo Works """ "" Picton to Hurunui Picton to Hurunui """ "" """ "" """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """ """"
Date of Contract.	May 26, 1879 Feb. 24, 1871 Aug. 22, 1879 Feb. 16, 1880 Jan. 28, " April 29, 1879 Jan. 7, 1879 April 5, 1880 Nov. 23, " Oct. 31, 1878 May. 26, 1879 Feb. 28, 1880 May. 22, " June 12, " May. 22, " June 12, " Feb. 28, 1881 June 12, " June 12, " June 12, " June 2, 1881 June 2, 1879 June 2, 1879 June 2, 1879

	Balance of contract,	charged to Huru-	Way.	•																					
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	Oct. 31, "	T. 000	11, 100	24,	July 15, "			: :	Dec. 31, 1880	ó	June 9, ,,	Nov. 8, ,, July 14, ,,	Dec. 1, ,,	:	June 19, 1880	:	Nov. 18, 1880	May 25, "	Mar. 19, 1881 Aug. 7, 1880 Jan. 10, 1881	July 15, 1880	Sept. 30, "	May 20, ,,	Oct. 23, "	Sept. 30, ". June 25, ".	ā ā
	4 Jan. 10, 2 Apr.	Mar. 11, 1882	June 11, 1960	23,	July 15, "	Aug. 18, ,,		26,		June 25, 1880	June 25, "	Nov. 16, ". Dec. 21, 1879	May 30, 1880	June 24, 1881	Jan. 6, 1880	Jan. 16, 1881	Nov. 13, 1880	May 25, ,,	April 8, 1881 Mar. 19, 1880 Aug. 23, "	10,	Aug. 25, "	June 10, "		Aug. 25, ,, Feb. 13, ,,	April 15, 1881 Feb. 27, 1880
	John Anderson	E. Pritchard and Co	D. A. McLachlan	ıd Co.	Watson Rhodes	McKiniay and Mair		Scanlan Brothers	McGill and Forrest	Cuff and Graham	:	John Guthrie George Mackie	Proudfoot and McKay	M. Gillies	James Shirley	D. McKenzie	Guthrie and Larnach Co.	Alexander Esson	Watson Rhodes D. W. McArthur J. M. Watson, assignee	of T. Fergus George Weeks	McIntosh and Co	: :	George Weeks	McIntosh and Co G. Mackie, assignee of	James Innes John Forde D. Robertson
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	:	:	: :	:	;	:	:	: :	:	:	:	Formation	F., P.L.,	and Dugs.	Formation		:	:	Formation	:	:	::	i	Formation	F. and P. L.
;	Rolling-stock, No. 1	Dunedin Station Reclamation	Goods-shed, East Gore	100 sets Points and Crossings		Groods-shed, Lovell's Flat	Additions. Oamaru Station	80	Steamer Wharf and Reclama-	Freight on 10,000 Sleepers		Supply of Tents and Tools Invertiel	Tapanui	Ö	Wyndham	Wingatui	Supply of Tents and Tools	Loading Banks at Lowther and	HUH	Goods-shed and Loading-bank	at Thornbury No. 3, Fencing		No. 1, Fencing	Opio	Waicola Biverton
Waitaki to Bluff.	Main Line		: :			:			Port Chalmers Branch		Ngapara Branch to	Palmerston to Waihemo Main Line to Catlin's	Waipahi to Heriotburn	"	Edendale to Toitois	Chain Hills to Taieri	To an and an all to Win action	Main Line	Ā	Western Railways. Makarewa to Riverton		Riverton Branch to	Obsutsu "	Otautau to Nightcaps	". ". ". ". Biverton to Orepuki
	Oct. 31, 1878	June 17, 1879	Mar. 18, ,,		April 20, "	Oct. 7.	Jan. 19, 1881		May 3, 1879	April 2, 1880	April 2, ,,	Oct. 16, ", April 28, 1879	July 30, 1878	Mar. 28, 1881	May 12, 1879	May 19, "	Oct. 15, 1880	April 17, "	Dec. 14, ", July 10, 1879 Feb. 2, 1880	April 8, "		April 8, "		June 20, 1879	April 22, 1880 June 23, 1879

APPENDIX G.

SCHEDULE of Sleeper Contracts and Deliveries Current on the 31st March, 1880, and Contracts Entered into by the Public Works Department during the Year ending 31st March, 1881.

NORTH ISLAND.

Remarks.			Completed.	Completed.	Completed.	Completed.	Completed.	Completed.	Completed. Completed.	Completed.	Completed. Completed	combroace.		Completed.	Completed.			Completed.	Completed.	Completed.		Completed.	Completed.	Completed.	Com Licerca
Total Delivered to Date.	-	94,953	2,364 5,000 4,763	1,000	400 250	200	500 200	009	800 800	200		774	104	1000	300	900	8002	152	201	200	411	200	008	006	
Date for Completion.		3 June, 1881	: : :	: :	: :	:	: :	:	: :	:	:	: :	:	:	: :	:	:	: :		:	:	:	:	:	:
Rate per Month.		One-tenth first six months, one-twentieth each succeeding month		: ;		:::		: :	: :	:	:	:::	:	:	: :	:	:			:	:	:	•	:	:
Place of Delivery.	AUCKLAND DISTRICT.	Shortland, Kirikiri, and Puriri		onenunga	ukekone	1	: :	Onehunga	Pukekohe	::		: :	J	:	Pukekohe	ga		Onehunea	: :		:			:	"
Rate per Sleeper.	AUCKLAN	න ය ව ව ව	11000	8 9	9 9		n 60	9	ග ග		67 6		99		9	9		000		9	9			n 4	
No. of Sleepers Contracted for, and Class of Timber.		100,000 kauri	10,000 kauri 5,000 puriri 5,000 puriri	1,000 puriri	400 puriri 250 puriri	200 puriri	500 kauri 200 puriri	600 puriri	400 puriri 800 puriri	200 puriri	500 kauri	800 puriri	300 puriri	1,000 purim	300 puriri	500 puriri	1,000 pumii 100 pumii	152 puriri	201 puriri	700 puriri	450 puriri	500 puriri	200 puriri	200 Kauri	Zoo puriri
Address.		Grahamstown	Hunus Auckland Mavku	wandau	Mauku Pukekohe	:	Pukekohe	:	Patamahoa	:	Pukekohe	: :		Waluku	Pukekohe	:	Pulrakoha	Onehinga	:	Pukekohe	::	Mauku		Derbebeh	гикекопе
Contractor's Name.		Gibbons and Darrow	J. B. Hay Buckland and Shipherd William Thompson	Vincent Walters	John Wheeler James Wright	_	John Hart	lker	John Moore	:	J. Matthews	W. H. Reynolds	Hugh Kerns	W. Balley William Homend	A. Sherdin	:	C. Lorantz	:		son	J. Slator	John Keith	William Crawford		r. wigniman
Date of Contract or Agreement.		9 June, 1879	1 May, ", 1 ", ", ", ", ", ", ", ", ", ", ", ", ",				16 ,, ,,	Jan	20 ". "19 ". "19 ". ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ". "19 ".	: 3	19 " " " " " " " " " " " " " " " " " " "	12 reoruary, ,, 12 ,,		" " " " " " " " " " " " " " " " " " "			26 ", "	_				April,	, , , , , , , , , , , , , , , , , , ,	" " " 1 77	", " ar

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1,000 totals 2 3 4 Crous Bridge 2 Crous Bridge 1879 J. and C. Bull Rangiti		Rangiti (Extra	kei		5,000 matai 20,000 totara 1 900 matai		nd Greatford	One-eighth first month, one- eighth each succeeding month	13 December,	1879	26,900	Completed.	
Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate Strate S	:		Feildin	:: 50	:	3,000 totara 3,000 matai		:	:		1880	6,000	Completed.
State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State Stat	Thomas Pearce, Orona Bı A. F. Halcombe, Feilding		Oroua Feildi	Bridge	: :	5,000 totara 3,000 totara			: :	13 December, 13 October,	1879	4,472 3, 000	Completed.
HAWKE'S BAY DISTRICT. 1,000 totars 2 0 On line at 65 m. 44 ch. 21 April, 1880	Patrick Maxwell Palme West and Cooper		Palme	rston North		500 totara 500 matai 100,000 totara		~~~	4,000 first four months, 6,000 each succeeding month		1881	1,000	Completed. *Cutting only.
Note 1,000 totans 2 0 0 line at 66 m. 0 0 0 1 0 0 0 0 0 0	-	-	2 A		_	1000	HAWKE				- 000	9	5
MARIBOROUGH DISTRICT. Afjoot black Straked Strak	J. Barnes B. Billings		Aopus " Makato		::	1,000 totara 600 totara 1,200 totara			: :		1.88U	1,000 600 1,200	Completed. Completed.
MIDDLE ISLAND.	on		Danevi		:::	3,260 totara 405 totara			:::			3,260 405	Completed. Completed. Completed.
MARLBOROUGH DISTRICT. Chief first three months, one 20 October, 1879 Ed.,000 b. birch 2					-			1					
NELSON AND WESTLAND DISTRICTS. Concernment S S (Lytelton, 1,100	1879 N. and W. Bragge Picton	Picton	Picton		:	(1,000 matai (4,000 b. birch	MARLB(2 3 2 6	:	One-third first three months, one- third each succeeding month	{	6281	(1,000 (4,000	Completed.
10,000 birch 3 3 { Lyttelton, 1,100 One-twentieth 26 August, 1881 2 7½ P.W. Office, Greymouth " " " " July, " " 447 r. pine and b. birch 447 r. pine and b. birch 4500 totara, 3 0 Gibson's Quay, Hokitika 1,000 black 3 3 On trucks at Centre Bush, in five monthly, remainder in way 10,000 black 3 5 Stacked alongside Mataura in five monthly instalments 2 7½				,		NEI							
1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,00	C. H. Mills		Havelo	y c	:	10,000 birch			:		1881	(1,100 8,900	Completed.
1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,000 Line 1,00	1880 C. Holder and Co Greym		Greym	outh	:	587 r. pine and			:	July,	<u>-</u>	289	Completed.
4,000 black 3 5 Gibson's Quay, Hokitika 1,000 black 3 5 Stacked alongside Mataura pine 60,000 black 3 5 Stacked alongside Mataura pine 8,000 black 3 5 Stacked alongside Mataura pine pine pine pine pine pine pine pine	" Kilgour and Perotti "	:			:	447 r. pine and		£	:	August	ç	447	Completed.
OTAGO DISTRICT. 1,000 3 0 Dunedin	1879 H. Hearn Hokitika		Hokitil	ì	:	4,000 totara, kawhaka, matai, and silver pine			One-twentieth during the first five months, and one-twentieth during each succeeding month	7 July,	r.	4,000	Completed.
60,000 black 3 5 Stacked alongside Mataura One-twentieth to be delivered 7 July, " Railway and Bluff Harbour infive monthly instellments	1881 Paterson and McGregor Tapani 1879 D. and W. Lockhart Invence	•	Tapanı Invere	ni nrgill				AGO DISTRICT. Dunedin On trucks at Centre Bush, Invercargill-Kingston Rail-	One-twentieth to be delivered in five months, remainder in	10 February, 3 June,	1881	999 29,561	Completed.
ו באלומיו חוסתיתובות ליומיות איני וויסתיתובות ליומיות	" John Murdoch				:			way Stacked alongside Mataura Railway and Bluff Harbour	equal monthly instalments One-twentieth to be delivered in five months, remainder in equal monthly instalments	7 July,		58,013	

APPENDIX H.

SCHEDULE of Contracts for Roads and Miscellaneous Works Current on the 1st April, 1880, and Contracts entered into by the Public Works Department during the Financial Year ended 31st March, 1881.

NORTH ISLAND.

Remarks.	Balance of contract, £326 18s. 1d.; charged to Roads in Native Districts.
Amount of Contract.	232 6 3 238 7 6 1 238 7 6 6 1 2591 19 6 11 10 11 10 11 10 11 10 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 10 10
Date Contract was Completed.	May 25, 1880 May 25, 1880 June 12, " Completed Feb. 17, 1881 Nov. 18, 1880 Mar. 10, 1881 Heb. 25, 1881 "" Aug. 31, 1880 July 31, " June 24, " July 31, " June 24, " June 24, " June 24, " June 24, " June 24, " June 24, " June 24, " June 24, " June 24, " June 24, " June 24, " June 24, " June 26, 1881 Aug. 17, 1880 Jan. 20, 1881 Oct. 9, 1880 Jan. 20, 1881 Oct. 9, 1880 Jan. 20, 1881 Dec. 15, 1880
Contract to be Completed.	May 20, 1880 June 3, " April 2, 1881 Jun. 5, 1880 Jun. 16, 1881 June 6, " Heb. 7, " April 26, 1880 June 19, " June 19, " June 19, " June 19, " June 23, " June 23, " June 24, " June 19, " June 19, " June 19, " June 25, " June 19, " June 26, " June 27, " June 28, " June 28, " June 29, " June 29, " June 29, " June 29, " June 29, " June 29, " June 29, " June 29, " June 20, " June 20, " June 20, " June 20, " June 20, " June 20, " June 20, " June 20, " June 20, " June 20, " June 20, " June 20, " June 20, " June 20, " June 20, " June 20, " June 20, " June 20, " June 20, " June 20, " June 20, " June 20, " June 20, " June 20, " June 20, "
Name of Contractor.	Charles Baines
Name of Contract.	No. 1, Metalling Makatoko Road No. 2, "" "" "" "" "" "" "" "" "" "" "" "" ""
Line of Road or Work.	Roads, North Island
Date of Contract.	April 15, 1850 April 15, 1850 April 15, 1850 May 14, 18, 1850 May 14, 18, 1870 Dec. 15, 19 Dec. 15, 19 Dec. 11, 18 May 24, 1879 March 23, 1879 March 19, 1870 May 26, 1870 May 6, 1870 May 10, 1870 May 10, 1870 May 10, 1870 May 10, 1870 May 25, 1870 May 25, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870 July 28, 1870

62

	Works stopped during winter. """ Contract papers not signed. Works stopped during winter.	Works stopped during winter, Balance of contract, £350, charged to Roads, North Island.	Balance of contract, £3,257 9s. 11d. charged to Wha- ngarei – Kamo Railway.
474 0 0 309 6 11 197 3 0 350 12 6 145 17 6 584 0 0 140 0 0 620 0 0	10 00 00 00 00 00 00 00 00 00 00 00 00 0		255 9 1 131 19 4 1,678 14 7 11,200 0 0 5,500 0 0 1,485 5 6 3,746 19 0 90 0 0 456 0 0
 May 26, 1880	April 6, ", Feb. 19, 1881 Jan. 31, ", Dec. 4, 1880 Mar. 19, 1881 Completed Dec. 21, 1880 Mar. 19, 1881 Mar. 26, ", Feb. 28, ",	Feb. 24, " Jan. 30, " Mar. 15, " Mar. 15, " Mar. 24, " Mar. 12, " Mar. 27, " Feb. 24, " Completed Dec. 23, 1880 Oct. 12, "	July 3, 1880 Aug. 13, Sept. 22, July 17, April 9, 1880
May 27, " Not stated July 2, 1881 Not stated June 15, 1881 June 15, " Aug. 4, " July 26, " Aug. 11, " April 15, 1880	:01-00	. ୮୯୭୯ ଦ	June 4, " June 4, " June 4, " Aug. 13, 1879 Aug. 1, " May 1, " Mar. 28, " April 2, 1881 April 2, 1881 April 20, " Not stated
n shall ald section			50
Thomas Johnston Joseph Evans Lemon and Marshall Moffat and Grut J. Wenzlick John Schollum William McDonald A. McMillan W. McElroy Gordon and Vincent	Dingle Brothers John Johnston Hugh McDevitt Daniel Hughes Okey and McLoughlin Okey and Newman N. H. Julian A. Nathan W. H. Franklyn J. Cosgrave	Sangster and West Joseph Muhree D. Hughes A. Nathan John Cosgrave Thomas Denby J. D. Brain A. Abbot and White A. Ornisby	Rowe and Buck Thomas Jones Briton and Glendinning William Alexander D. Henderson John McLean and Son R. G. Graham W. Langley R. and B. Tingey
t Awanui wakawa a and Wade noi River and Post- rera and Puhoi Rivers Road Stony Creek Road River-Opunake Road		tees :::::::::::::::::::::::::::::::::::	
		"" Pates "" Bridge, Pates "" gapouri Bridges eko-Galatea Road aipa-Raglan Road	No. 1, Formation, Urenui Road No. 2, "" Anuo, formation for railway Ahuriri Bridge Opaki Bridge, Ruamahunga River Mangere Bridge Repairs Whatawhata Bridge Stone for Training wall, Ahuriri Bridge Motoa Swamp Drainage Painting Manawatu Gorge Bridge
Embankment across Hikurang Bridge over Double Crossing s Bridge between Oropa and Ka Retalling Road between Okur Metalling Road between Pul man's Hill Metalling Road between Waiv Section 2, Waipu-Whangarei Main Road near Kaiwaka Bridge between Takataka and Section 1, Waipu-Whangarei No. 4, Gravelling Wanngarei	5, ", ", 7, ", ", 7, ", ", 9, ", ", 11, ", ", 12, ", ", 13, ", ", 14, ", ", 11, ", ", 11, ", ", 11, ", ", ", ", ", ", ", ", ", ", ", ", ",	No. 3,,,,, No. 4,,,,,,,,	No. 1, Formation, Urenui Road No. 2, "" Kano, Cornation for railway Ahurri Bridge Opaki Bridge, Ruamahunga River Mangere Bridge Repairs Whatawhata Bridge Stone for Training wall, Ahurri B Motoa Swamp Drainage Painting Manawatu Gorge Bridge
	** *****		1::::::
""""""""""""""""""""""""""""""""""""""		Boads in Native districts " " " " " " " " " " " " " " " " " "	Miscellaneous Public Works """"" """" Provincial Liabilities """ """ """ """ """ """ """ "
Jan. 31, ". ". March 9, ". ". March 23, ". ". March 18, ". March 22, ". ". March 22, ". March 22, ". March 22, ". March 22, ". May 26, 1880 Roam May	" " " " " " " " " " " " " " " " " " "	22.7	March 8, 1881 March 10, 1879 Mug. 25, ", July 14, ", Juny 14, ", Juny 2810 Mov. 4, ", Juny 1880 March 30, 1880 March 8, ",

SCHEDULE of Contracts for Roads and Miscellaneous Works, &c.-continued.

MIDDLE ISLAND.

Date of Contract.	Line of Road or Work.	Name of Contract.	Name of Contractor.	Contract to be Completed.	Date Contract was Completed.	Amount of Contract.	Remarks.
March 10, 1881	Road, Nelson to Greymouth and	Nos. 1 to 9, Motupiko Section	John McLean	May 18, 1881	i.	£ 8. d. 2,751 8 0	
C1	westport "Hokitika-Christchurch"	Matiri Road Section 1, deviation between 45 and 48 miles	::	June Mar.		00	
Sept. 2, ,, June 12, ,, Sept. 29, 1879	"" "" "" "" "" "" "" "" "" "" "" "" ""	Section 2, " " Section 3, " "	James Clarke O'Maley and McKay	Nov. 30, 1 Sept. 4, Jan. 24	Jan. 31, 1881 Nov. 19, 1880 April 26	700 0 0 980 0 0 514 16	
			: :	Jan. 24	June 3, ,,		
		Section 9-5	W. B. Stewart		Nov. 10, 1880	17	
May 25, ,, May 25, ,,		Section 9-7 Section 11-4	André Sabot James Landers	Jan. July	Sept. 16, 1880	948 4 0 432 19 0	
. 2 2		Section 11-5	:	Aug. 6,	Oct. 11, "	_	
May 25, ,,	33	Section 11-6 Sections 10-3, 11-3, and 11-7	Laurel Murphy Joseph Haddock	Aug. 6, ", Jan. 21, 1881	NOV. 11, "	300 8 0 1,729 19 2	
Sept. 30, 1879	Waimea Water-race	Section 1, Kumara Sludge-channel	:	Sept.	:	5,830 0 0	
−်က်	Miscellaneous Public Works	Section 2, ", " Wakamarina Cart-bridge	J. Gilbertson	Sept.	July 24, 1880	1,673 13 4	
20,			Poot	April	Aug. 20, "	546 13 4	
March 3, ,,	: :	and Farnd	J. McCullock R. Christian	April 28, "	April 28, ", April 14,	155 0 0	
		No. 5, "	R. Carter	April	April 24, "	150 0 0	
April 13		No. 6, ", ", ", Kaituna Gart-bridge	Alterator and Breeman		April 24, "	55 0 0	
		No. 1, Havelock-Wairau River Road	Hughes and Hippolite	Sept.	Nov. 29, "	0	
May 29, ,,	:	No. 2, " " " " " " " " " " " " " " " " " "	Williams and Alexander		Nov. 29, "	803 8 10	
		Inangahua Bridge and Approaches	Cochrane and Co	Mar.		-	
July 21, ,, Dec. 17,		Kaikoura Wharf Removal of Bocks, Catlin's River	Foster and Co Hunter and Co.	Dec. 16, 1880 May 14, 1881	Mar. 17, 1881	1,041 17 0	
31,		Cape Horn Contract, Pelorus Roads	Whiting and Scalley	June	: :		
Jan. 19,		Additions, &c., Queenstown Jetty Painting Wairoa Cart-bridge	T. B. Louisson	April	Mar. 5, 1881	567 3 4 183 0 0	
` co `		No. 7, Havelock-Wairau River Road	ter	Sept.			
March 3, ,,		No. 74, ". "Deep Creek Contract. Pelorus Roads	Christian and McCulloch	Sept. 3, ".	:	910 0 0 334 9 0	
	Provincial Liabilities	Carting Rakaia Gorge Bridge Material	J. Rountree	Aug. 3,	Aug. 19, 1880	1	
March 11, 1881		Rakala Gorge Bridge Painting Motueka Cart-bridge	W. H. Barnes T. B. Louisson	Nov. 2, 1	::	3,397 17 0 193 6 8	

APPENDIX I.

SCHEDULE of CONTRACTS for ROADS and MISCELLANEOUS WORKS Current on the 1st April, 1880, and Contracts entered into by the Survey Department during the Financial Year ended 31st March, 1881.

Amount of Contract.	26. d.	-	· –	4	0	11	9	2	383 15 0	۰ ۲	675 0 0	2	338 x 0	- C	0	0	ø	15		768 0 0	25	187 10 0 496 17 4		280 0 0	0	0	- 4	195 6 0	٥ د		2	17	423 8 4	o i		<u>:</u>	1 5	2 6	4 r	•		2	0.200	Ģ
Was Completed.	To.h 99 1921	March 22.	Sept. 28, 1880		March 9, 1881	•	•	ą		q	Oct. 13, 1880	_	ર્વે જ			Sept. 1880	21,		June 15, "	: 0	April 27, 1880	May 31		March 9, 1881	64	20,		May 23, ,,	oan. 70, 1001	Jan. 21, 1881	21,		-ĵ,		Uct. 1, ,,	- 0	င် ရ	î œ	ີ ຕ ຊີ		10	:	:	:
Contract to be Completed.	080 to 0	ob 15, 1881	11, 1880	`x	1, 1881	4	4	13, "	13,	5, ",	10, 1880	Nept. 10, " Mewah 17 1881	1,5	, 5		` :	19, 1880	12, ,,	n 28, 1881	9,	12, 1879			Nov. 21, 1880	14,	21,		March 30, "	Nov. 14, 1000 Now 99	14, 1881	31, 1880	31, ,,	26, 1880	26,		đ o	Ton 4 "	f o	ģ	ç œ	10°	1	T. 1	
		:	: :	•	:	:	:	:	•	:	;	:	:	:	: :			:	:	:	:	: :		:	:	•	:	•		: :		:	:	:	:	:	:	:	:	:	:	:	:	:
Contractor.		In Itale	Lovett and Cassidy		ř	:	J. Finlayson	ell	:	Feter Grant	H. Adams	M Motood	:	Ern Matini	: :	Jackson .	D. A. Poole	B. Sorenson	Gladstone and Hogan	Michael Shanahan	Symons and Cribb	Allerby and 1rwin Henrich Luhrs		G. Snow	ch and Co.		:	-	Carter and Gorrie	Gorrie and Carter	•	ty and Co.	E. Ryan	«		na Co.	W. Dames and Co.	T T Wer and Co.	Ward		:	Marshall and Christia	Translation and Chilbrid	T. Pruckey
Name of Contract.	Houd's Doint to Melohue	TIELD & TOING TO TAKAIING	No. 25, Waikato River to Block XVI., Awaroa	No. 16, Takahue to Manganuiowai	No. 31, ,,	No. 43, ,,	No. 44, ,,	No. 39, to Maunganui Bluff	No. 40,	No. 32, Koad-formation,	No. 1, Drainage, Te Aroha	No 1 Road Onotibi to Ormand	No. 9	Nos 3 4 "		Maunganui Bridge	No. 1, Kairanga Drainage	No. 2, ",	No. 3,	No. 4,	Falling, &c., Koad-lines, Z and 5, Kairanga	Section 1. Bridle-road. Churchill to Awaroa	-	Section 1. Roads. Aorere Valley	Section 2.	Section 3, " "	Section	Section	Section o		Fection	Section	Section 4, "	Section		Section 7,	Section 6,	Section 19, 3, 3, 3, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,	Scotton 10, 3, 3,	Section 19	Section 12, ,, ,,	Section 145 Secured Moss Road	Section 140, Seaward moss most	Section 146.
Line of Road or Work.	Poods to onen un lands hofens sols	roads to open up taines before safe	: :	: \$: 3	. ::	•••		"			:			3 3			"				•	Roads to onen up lands before sale				*				: 2		"	46	•		. 82	66		•	a	"	
Date of Contract.	Tone 16 1980) 	1	ထ်	Ĺ,	Jan. 4, 1881	Jan. 4, ,,			Nov. 5, ,,	March 10, ,,	Jan 10, "	S 60	2,5		` :	Feb. 19, 1880		Oct. 28, ",	ر س	April 16, 1879	March 1		July 12, 1880			Nov. 19, "	Nov. 19, ,,	Tuly 19, "	July 12, ,,	_	_			N	ą, č	of his	ŝα	çα	ĵα	Oct 50°			

APPENDIX J.

ANNUAL REPORT ON LIGHTHOUSE WORKS \mathbf{BY} THE MARINE ENGINEER.

The MARINE ENGINEER to the SECRETARY, Marine Department.

Sir,-Marine Office, Wellington, 31st March, 1881. I have the honor to forward, for the information of the Minister having charge of the Marine Department, the annual report on works executed for new lighthouses, &c., during the year, viz.:-

Cape Egmont.—Instructions were received on the 27th August as to the removal of the disused Mana Island light, and its re-erection at Cape Egmont. An excellent site at the latter place had already been selected, consisting of a raised knoll, about 50 feet high, and about 12 chains back from the coast-line. Steps were at once taken to pull down the tower, remove it to the beach, and there ship it to New Plymouth, from whence it was carted to the proposed site. It is of cast iron, about 16 feet diameter at the base, and about 50 feet high. Materials for the dwelling-houses (two) and stores (two) were also sent at the same time. The overseer, with a party of men, arrived at Cape Egmont on the 11th November, 1880, and immediately began the work of getting in the foundations to receive the tower, the erection of which, as well as that of the houses and stores, is so well advanced, that it is expected the whole will be completed by the end of June, and that the light will be ready for exhibition by the 1st August. A reserve has been made for the lighthouse of about 50 acres, around which the Armed Constabulary are constructing a ditch and bank fence, and a road is being made from the main road, near Pungarehu, to the lighthouse. It will be about three miles long.

Removal of Rocks, Catlin's River.—A tender was accepted for this work on the 14th December, 1880, and the time for completion is the 14th May, 1881. The contractor, so far, has made very fair progress, and it is expected that the work will be completed within contract time.

Removal of Buoy Rock, Nelson Harbour.—This work was the subject of a previous contract, but contractors failed to carry it out. It was advertised for public tender again, and a second tender was accepted on the 30th December, 1880, the work to be completed by the 30th June, 1881. The contractor, up to date, has not made much progress, but has ordered the diving and other apparatus necessary for the proper carrying out of the work, which he hopes to finish in contract time.

I have, &c.,

The Secretary, Marine Department.

JOHN BLACKETT, Marine Engineer.

APPENDIX K.

ANNUAL REPORT ON WORKING RAILWAYS, BY THE GENERAL MANAGER, NEW ZEALAND RAILWAYS.

The General Manager, New Zealand Railways, to the Hon. the Minister for Public Works. Sir,—

I have the honor to report on the working railways of the colony for the past financial year.

Whangarei Section.—This line, from the Kamo Coal Mine to Whangarei, with a temporary line from the Town of Whangarei to the town wharf, was opened for traffic on the 28th October, 1880. The short period for which the line has been worked makes it premature to enter into any detailed reference to it. The completion of the line, with a permanent wharf and accommodation for shipping

coal, will materially affect the traffic.

Kaipara Section.—A new station and wharf have been opened at Helensville. The parcels traffic has improved; the goods and passenger traffic has declined; the revenue has increased. The percentage of the expenditure to revenue for the twelve months, as compared with the preceding twelve months, is 84:50 against 97:75. The stock and road have been maintained in good order. The cost of maintenance is high, the line being unballasted. Upon connection with Auckland during the coming year a supply of ballast can be got, and it is proposed to ballast it, which will diminish the cost of maintenance. It is most desirable that this work should be done. Connection with Auckland may be

expected to improve the traffic.

Auckland Section.—The line has been extended from Ohaupo to Te Awamutu, and from Waikomiti to Henderson's. Hamilton Branch, the first section of the Thames-Waikato Railway, has been closed to general traffic, and is worked occasionally for goods, until further extended, when it will doubtless prove a valuable feeder. The goods and parcels show a large increase; the passenger traffic has improved; the revenue shows but a small increase. The percentage of expenditure to revenue for the twelve months, as compared with the preceding twelve months, is as 67:50 against 67:84. The very small improvement is attributable to the cost of working the short services of the Hamilton and Waikomiti Branches. The connection of Auckland with Kaipara may be expected to improve matters. Heavy bridge repairs of an exceptional nature have helped to keep up the working expenses. Economy in maintenance of the road has been carried a little too far: this is being made good. The completion of the line from Auckland to Helensville will render the working of the short piece from Kumeu to Riverhead unnecessary. The Auckland Station accommodation greatly needs improving, and generally the station accommodation on this line is frequently deficient, leading to irregular working, and it requires improving. Arrangements have been made with the Public Works Department to carry out some extensive alterations.

Napier Section.—The line has been extended from Kopua to Makatoko. Both goods traffic and passenger traffic have much improved. About 3,400 bales of wool have been carried in excess of the previous season, the timber tonnage has doubled, and firewood traffic has increased. The revenue has greatly improved. The percentage of expenditure to revenue for the twelve months, as compared with the preceding twelve months, is as 60 61 against 70 98. Economy in the maintenance of permanent way has been carried a little too far: steps have been taken to remedy this. The new length, Kopua—Makatoko, from the liability of the geological formation to slips, the severe effects of floods, and the heavy bridging, will be expensive to maintain. Locomotives of greater power have been provided to meet the increasing traffic. Accommodation is needed for sheep and cattle traffic, which has been arranged for by the Public Works Department. The general results of the year's working are

satisfactory.

Wellington Section.—This has been extended from Featherston to Masterton, with a branch to Greytown. Both goods and passenger traffic have much improved. The revenue has increased largely. The percentage of expenditure to revenue for the twelve months, as compared with the preceding twelve months, is 87.49 against 89.81. An unfortunate accident occurred on the Rimutaka, attended with loss of life, through a train being blown off the line. A special report of the accident is attached. Efficient wind-screens have been erected to prevent the recurrence of such a catastrophe. The cost of this accident has been about £705. Heavy slips of an exceptional nature occurred during the winter, costing about £314 to repair. 2 miles 7 chains of 40-lb. way has been relaid with 53-lb. steel rails. The Fell incline continues to be worked satisfactorily. The road and stock have been efficiently maintained. The high rate of the working expenses to revenue on this line is partly due to the casualties before mentioned, and partly to the speed of trains being somewhat high, and to too much train-running during the slack season.

Wanganui Section.—The line has been extended from Kai Iwi to Waverley. A new station and wharf are in progress at Foxton. A new station and wharf are just completed at Wanganui: both are much wanted. The goods traffic has increased; the passenger traffic has declined; the revenue has slightly improved; the timber traffic has increased. The percentage of expenditure to revenue for the twelve months, as compared with the preceding twelve months, is 66.78 against 69.64. The competition of the Port of Rangitikei with Foxton has to some extent influenced the traffic. The road and stock have been maintained in good order. The general results of working are satisfactory. There is a good prospect of improved business during the coming year, but the cost of maintenance must be

expected to increase.

New Plymouth Section.—The line has been extended to Eltham. An early opening to Normanby is expected. The goods and passenger traffic has increased considerably; the revenue has similarly increased. The percentage of expenditure to revenue for the twelve months, as compared with the pre-

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ceding twelve months, is 85.78 against 91.79. Some inconvenience has arisen from want of locomotive stock; this has now been supplied. The want of wagon stock has also been much felt, and more so through the necessity of utilizing a portion for pushing on the extensions before the winter sets in; more stock is now being erected. The Waitara wharf has been handed to the Harbour Board, and a new one is being erected by the Board, which will prove of great advantage. A workshop has been opened. Arrangements have been made to extend New Plymouth Station. The results of working are as good as the light traffic warrants expecting. The extension to Normanby and Hawera may be expected to largely increase the traffic.,

Westport Section.—The coal traffic, on which this line solely depends for its business, can only be said to have commenced; the Westport Colliery Company's mine is beginning to show a fair output, and, on account of the high value of the coal as a fuel, the traffic may be expected to increase. Additional coal traffic is expected upon the completion of the Koranui Company's works, which are in progress.

Greymouth Section.—The goods traffic on this line shows a slight increase; the passenger traffic has decreased. There is however a fair increase in the revenue. The percentage of expenditure to revenue, which is very low, is less for the twelve months than for the preceding twelve months, being 45 68 against 47 81. The stock, bridges, and road have been maintained in good order. The coal traffic, on which the prosperity of this line depends, shows an increase. The results of working are very good. Should the extension of the river training-wall prove as successful in improving the bar as is expected, the traffic will probably increase.

Nelson Section.—The passenger traffic has decreased; the tonnage of goods has also slightly declined, but the parcels traffic has increased. The revenue shows an increase, and the percentage of expenditure to revenue for the twelve months is lower than for the preceding twelve months, being as 73 12 against 81 85. The stock and road have been maintained in good order. No special casualties have occurred. The results of working in the face of a decreased tonnage must be considered fair.

Picton Section.—This line has been extended into the Town of Blenheim. All classes of traffic show an increase, and the revenue has also improved. The percentage of expenditure to revenue for the twelve months is lower than for the preceding twelve months, being 83 11 against 95 06. The expenses of maintenance have been heavy through damage by flood at the end of the preceding year, and from renewals of the bridges and wharf at Picton. The road and stock have been maintained in good order. With the light traffic the general results of working are satisfactory.

Hurunui-Bluff Section.—On this line the Tinwald Branch, 10 miles 60 chains, was completed.**

on the 4th April, 1880. As yet it is worked only occasionally, the traffic being light; when extended a fair traffic may be expected. The Waipara extension, 6 miles 77 chains, was opened for goods traffic on 6th October, 1880. The Tapanui Branch, 15 miles 43 chains, was opened on the 1st December. An agreement has been made with the Waimea Plains Railway Company for interchange of traffic and through-booking of goods and passengers on its line, which is 37 miles long. An agreement has also been made with the Rakaia Forks Railway Company for working its line, which is 22 miles 7 chains in length. Both these lines are valuable additions to the railway-system. The Public Works Department advises that about 49 miles of extension will be ready for opening during the ensuing year.

On comparing the traffic with that for the twelve months preceding it will be seen that similar depression to that prevailing elsewhere has occurred in the passenger traffic: the passenger rates having been untouched, the decline must be attributed to extensive causes operating on the community at large; the general merchandise tonnage has also declined: these two items are the most paying classes of traffic. The wool traffic has remained about the same as in the previous year; on the other hand, in timber, grain, minerals, firewood, parcels, sheep, and cattle there has been an increase, large in the case of grain, minerals, and sheep: so that in the aggregate the tonnage is much larger. The increase on grain-tonnage must not however be regarded as entirely due to fresh grain carried, it is to a large extent due to reconsignments; great quantities are stacked at the different ports and sheds which are

reconsigned to the ships, thus giving an apparent increase in tonnage.

The grain traffic has been dealt with without serious difficulty; a deficiency in shipping was

experienced at the opening of the season.

The traffic in native coals is developing; the output of the different collieries is shown in Return No. 31 attached. The Southland timber traffic is also increasing, so much so that the truck accommodation has been found insufficient. Arrangements have been made to put additional stock on the

line; more horse-boxes and cattle-trucks, which are wanted, are being constructed.

The road and structures have been maintained in good order. The cost of maintenance of the lines north of the Waitaki River has been light, they having for the most part been brought into a good state of order in previous years. From Waitaki to Dunedin the maintenance has been high owing to the renewal of sleepers, 28,000 having been replaced, and also on account of a large amount of ballasting required. On the branches, the Ngapara and Duntroon lines are costly to maintain, through having been constructed with 6 in. by 3 in. sleepers and 28-lb. rails. Dunedin to Clinton, the maintenance has been high, owing to renewals of sleepers and a large amount of ballasting necessary. Painting buildings has also been high, few having been done previously since erection. South of Clinton arrears of repairs of bridges, culverts, and buildings have required making up, and the expenses have been high on this account, but are otherwise moderate. The total number of sleepers renewed has been 68,516 against 50,471 in the previous year: these renewals have been chiefly south of the Waitaki. The Engineer for Working Railways reports that a heavier expense has occurred on the southern portions of the line than fairly represents an average year's work, depreciation having accumulated during previous years which had to be made up in the past year.

Fencing is an annually-increasing expense. It is questionable whether renewals of fencing should

be wholly borne by the Railway Department.

Renewals of permanent way will also cause an annually-increasing expenditure. Some of the branches laid with light rails would be better renewed with heavier ones. The Southbridge and Springfield Branches should be amongst the first, but those most wanting it are the Duntroon and Ngapara, where the 6 in. by 3 in. sleepers are extremely dangerous elements.

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New and efficient water supplies have been secured at Chertsey, Oamaru, Palmerston, Seacliff, Waikouaiti, Omimi, Mosgiel, Milton, and Manuku Creek: the train services are thereby rendered more efficient and less liable to delays. Better supply is needed at various points, especially on the Springfield Branch, where serious delay in train-running arises from the want of it. Provision has

been made for getting a good supply from the county water-race.

The Addington shops have been almost completed: increased economy in working may be anticipated therefrom. The Hillside shops, the work in which had outgrown the accommodation, are now being extended by the Public Works Department. The working of two separate shops at Dunedin and Port Chalmers involved a heavy annual loss. The railway-work is now concentrated at Hillside, with a marked improvement in economy. At Port Chalmers such occasional work as needed the heavy appliances there has been performed without keeping up a separate staff; most of this work has been done for private firms. A uniform system of statistical locomotive accounts has been introduced throughout this section. Considerable attention has been given by the Locomotive Superintendent to fitting all the locomotives with the best spark-catchers. Increased economy and efficiency have been obtained by placing the whole locomotive work on this section in charge of one officer.

The working expenses have been very largely reduced, thus:-

Twelve Months ending	${f Expenditure.}$	Receipts.	Percentage of Expenditure to Receipts.	Miles open.
March 31, 1880 , 1881	£ 439,717 376,082	£ 575,236 630,595	76·44 59·64	755 788
Increase Decrease	 63,6 3 5	55,359 	16.80	33

These results may be attributed to various causes: The diminution in the train-mileage and speed introduced under the late management has tended to economy. There has been a diminished expenditure of about £5,000 on additions, alterations, and casualties, the latter due to the absence of floods.

The revised scale of pay operating during the last part of the year, and the reduction in numbers of employés in every branch of the department more recently made, has finally been productive of reduced expenditure. The effects of the last-mentioned reductions have but partially shown themselves as yet; the full benefit of them will be observed during the ensuing year. The good grain season and higher rates have, on the other hand, kept up the receipts, notwithstanding the diminished passenger traffic.

GENERAL.

The railways, as a whole, have paid £3 8s. 3d. per cent. on the total cost of construction of the opened lines during the year. In computing this rate the full cost has been taken for extensions opened

during part of the year only.

A change has been made in the management, the offices of a Commissioner in each Island having been abolished, and that of one General Manager has been substituted. This change was made on the 12th October, 1880; since that date extensive reorganization has been effected; a saving in management equal to about £5,000 a year, or 16 per cent. on the previous cost, will be shown to be made in the estimates.

The Accounting Departments have been concentrated in one office. The two stores departments have been merged into one. The location of these offices at head-quarters, in immediate communication with the Audit Department, has proved of the greatest benefit. It gives the Minister of the department a command not before obtainable, and at the same time it admits of more prompt administration of railway matters. Two District Managers on the Hurunui-Bluff Section take the place of four, and one Locomotive Superintendent administers the work of the whole section. The number of employés has been reduced, but without lowering the efficiency of the railway system. The lines and stock have, on the whole, been well maintained, and ample provision has been made for securing proper maintenance and supervision, and for affording reasonable and sufficient accommoda-

tion to the public.

A new scale of goods rate was gazetted on the 1st October, 1880; this has been subjected to revision, and is still undergoing alteration. Anything like a final scale cannot be expected; alterations from time to time must always be anticipated to meet varying circumstances. The work of amending the charges to suit the different localities, industries, and conditions of working is of the first importance, and demands the most careful consideration at each step. This is being gradually pursued. In future changes, reductions of rates in favour of raw materials for export and manufacture should take precedence of others. Such changes, however, should be undertaken with caution. In New South Wales the effect of reductions of rates in 1877 appears to have been to alter the proportion of expenditure to receipts from 55 35 for that year to 59 47 in 1878, and it is pointed out by the Commissioner for Railways for New South Wales, in his report for 1879, that the extra cost of earning more than absorbed the increased revenue of the latter year.

Since October the principal changes have been to reduce the rates on agricultural produce, to lower the minimum charges on timber, and to give special timber rates in certain localities, to lower the rates for several classes of minerals, and to lower the sheep rates for certain localities. A very large number of local rates have been made; further changes are now prepared for Gazette. These

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include, among others, lowering the long-distance season-ticket fares, and excursion and special-train rates; the introduction of a new scale for small lots of goods, based on the English system, reducing the minimum quantity from 2 cwt. to 1 cwt., and giving a more equable method of charging than previously existed; the minimum charge on timber will be reduced by 20 per cent,; the wool rate will be placed on the scale prevailing before October; and new local rates will be included.

The most important change made has been in the reduction of the grain rate, and in the alteration of the regulation, by giving to country stations the privilege hitherto attaching only to private sidings, by which consignors who do their own loading and unloading are subjected to a less charge than those who do not. The principal of according equal rights to all situated under similar circumstances and conditions is an important one, which the old regulation ignored, and it is one which should not be lost

sight of in the future manipulation of rates.

An erroneous impression prevails as regards rates—that local circumstances are not studied, and that uniform hard-and-fast rules about charging operate throughout the colony. A careful study of the scales of charges gazetted will show how extensively local and special rates have been brought into

As regards fuel the competition of the New Zealand collieries with foreign has resulted in a point being reached when the prices have warranted the use of native coal to the total exclusion of the imported article: the opening of the Westport Company's Colliery has tended greatly to bringing about this result.

Some trouble has been taken to arrive at an estimate of the relative value of the different coals for locomotive purposes. Much difficulty exists in assigning a true value to the different classes owing to the various conditions of load, line, personal skill of the firemen, water, &c. Return No. 27 gives particulars of a number of trials made on the Hurunui-Bluff Section. Consideration of these leads me to conclude that the Westport Colliery coal and Newcastle are about equal, while Springfield, Lomas, Shag Point, Homebush, and Kaitangata may be regarded as of lower and approximately equal value. A careful comparison of the class of line, engine-mileage, loads, and consumption, has led to the inference that 1 ton of Westport is equal to about 13 tons of the other native coals named. In further determining the economical value to the Railway Department, the element of haulage of the greater weight of the latter class of coals has to be taken into account.

On previous occasions the question of American v. English locomotives has been remarked on (vide Parliamentary papers, E.-4., 1879, E.-5., 1880). In return No. 28 a comparison will be found of the working of the respective engines on the Hurunui-Bluff Section. The general results indicate that the English engines are more economical in running, as they are also in first cost. It should, however, be understood that the American engines are good articles, and are favourably spoken of by

the Locomotive Superintendent.

The locomotive returns have been compiled so as to eliminate the uncertain elements of shunting and ballasting, so that comparison of the relative cost of running can be made. On the Hurunui-Bluff Subdivisions the average relative cost of running appears as follows:-

Hurunui-Oamaru	••:		•••			r ton mile.
Oamaru-Palmerston		•••	•••	•••	·093d.	"
Palmerston-Clinton	• • •	•••	• • •	•••	·113d.	29
Clinton-Invercargill	• • •	•••		•••	·097d.	,,

Comparing the performance of a particular class of English goods engine (J) it is as follows:—

Hurunui-Oamaru					·059d.	,,
Oamaru-Palmerston	•••	•••	•••	•••	·083d.	"
Palmerston-Clinton	•• •	• • •	•••	•••	·071d.	**
Clinton-Invercargill			•••	•••	·077d.	19

The number of types of locomotives on the railways is too large. This has arisen to a great extent from the fact that small lots of stock, procured at various times by the Provincial Governments and private firms, have, in course of time, unavoidably fallen into the hands of the General Government. The great physical differences in the character of the New Zealand railways, and the varying character of the traffic, will, however, always render several types necessary.

Considerable economy may be obtained by the use of native paint for the carriage-stock in place of varnish, which does not appear to answer well in this climate, and is expensive to maintain. In future, the use of varnish will, to a considerable extent, be abandoned.

The institution of private sidings is becoming a question of considerable magnitude. These sidings are often useful and beneficial, but in many cases they are undesirable, and the granting of these privileges will in future require to be carefully considered

The general results of the year's working of all the lines are summarized for comparison with the

previous twelve months, as follows:-

Twelve Months ending	Expenditure.	Revenue.	Percentage of Expenditure to Revenue.	Miles open.
March 31, 1880 , 1881	£ 580,010 521,957	£ 762,572 836,454	76·06 62·40	1,172 1,277
Increase Decrease	 58,053	73,882 	13:66	107

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The mail-service work is done by the Railway Department without credit being taken for it. In Return No. 6 the effect of crediting the revenue with the value of this service is indicated separately; on the other hand, the Postal Department carries the Railway mails without charge.

The want of a uniform system of statistical accounts in each department on the different sections has in some respects left the information insufficient for purposes of comparison, but in the main particulars ample information will be found in the returns attached respecting the details of working.

To meet public demands, working accounts of small subdivisions of the Hurunui-Bluff Section are kept and published: they are somewhat numerous, and present inconsistencies. It will be obvious that to select a remote part of the line or single branch and to state it as working at a loss, and to select the key to the traffic of a system such as a port branch, and to state it comparatively as working at a great profit, may lead to erroneous inferences. The port lines could not work at such a profit if divested of the feeders. There are other inconsistencies involved in such a statement. A modified form of account, embracing larger sections, would probably meet the public demands and present a more correct view of matters, and, at the same time, it would be more in keeping with the fact that the railway system is a common property, and that the prosperity of any portion is materially affected by

its interchange of traffic with the remainder of the system.

The public, both in America and England, exercises a powerful voice indirectly in the regulation of the railway service. Where, as in this colony, the railways are State property, naturally it should and does command a far more extended influence. When this degenerates, and operates through local and personal pressure rather than through the legitimate channel—the Legislature—then the economical results of working are apt to show badly. There can be little doubt that these misdirected influences tended largely to induce a condition of affairs on the railways which made the results of working show badly in the past. Vigorous and determined efforts have been made during the past year to amend the administration, and to some extent they have succeeded, as is shown by the greater economy attained in the year's working. In many cases thay have met with strong opposition. With increased powers and support to the management better results may be obtained: without this there is a strong tendency in the other direction. The extent to which the railways can be made to pay interest on capital depends almost entirely on the Legislature; and it hinges greatly on whether the administering officers are in a position to deal with the department on commercial principles and impartially, or whether their operations are to be governed by other considerations which their position does not permit them to control.

In conclusion, thanks are due to the various officers in the two Islands for the earnest manner in which the work of economizing and reorganizing has been performed, and the zeal of the staff generally, under circumstances more than ordinarily calculated to try them, is worthy of commendation.

J. P. MAXWELL, General Manager, New Zealand Railways.

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	3	Classified expenditure and revenue.
	4	Detail of classified expenditure.
	5	Traffic accounts.
	6	Cost of construction and rate of interest.
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	8	
	9	Comparison of current with previous year's working.
ENERAL RETURNS	10	Revenue and expenditure of stations.
TENERAL INSTURES	11	Carriage and wagon stock. Locomotive stock.
	12	
	13	Weighing machines.
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1	19	Renewals of sleepers.
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	2 7	Casualties, Wellington.
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		Nelson.
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	36	Comparison of percentages of expenditure on maintenance for three years, Hurunui-Bluff.
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	38	Comparison of classified expenditure on maintenance, Amberley-Palmerston.
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	40	Summary and details of expenditure on additions and casualties, Hurunui-Bluff.
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RETURN No. 1

		RETUR	N No. 1.	,	
SUMMARY of REV	ZENUE Accou	INTS for the	Twelve Months ending 3	lst March,	1881.
Dr. To Cash in hand and outstanding, 1st April, 1880 Passengers, parcels, goods, &c., 31st March, 1881	£ s. d. 37,849 18 10 836,454 1 8		CR. By Payments into Public Account to 31st March, 1881 Less refunds wharfage £60,353 15 3 Less refunds	£ s. d.	£ s. d.
			Cash in hand and outstanding, 31st March, 1881,	67,971 5 1	835,230 9 2
			including £501 118.4d. for Volunteer services, unrecovered	•••	39,073 11 4
		874,304 0 6		£	874,304 0 6
To Amount paid into Public Account, 31st March, 1881	824.220 0 2	gazzani (Alian Antala ang antala antala ang ang	By Expenditure to 31st March, 1881 Balance	 214.406 7 6	521,957 14 2
Less cash in hand and out- standing, 1st April, 1880	37,849 18 10	797,380 10 4	Mail service, per other side, unrecovered	0 - 6	
Postal Department, for mail			,		
service Cash in hand and out- standing, 31st March,	•••	13,281 16 9			
		39,073 11 4		4	327,778 4 3 (849,735 18 5
			<u>.</u>		
Statement	of Accounts		lve Months ending 31st A A SECTION.	March, 1881.	
Dr. To Rent from Bay of Islands from 22nd February, 187, 1881, two years and third), to 31st March,		CR. By Payments into Public Account 1881	it to 31st March,	£ s. d.
To Amount paid into Public March, 1881		£998 0 8	By Balance	***	£998 o 8
	•	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon			
	W	HANGAREI-K	AMO SECTION.		
Dr.	£ s. d.		Cr.		£ s. d.
To Passengers, parcels, goods, &c., from 27th October, 1880, to 31st March, 1881			By Payments into Public Ac- count to 31st March, 1881 Cash in hand and outstand-	£654 17 5	
		698 13 7	ing, 31st March, 1881	43 16 2	698 13 7
Amount paid into Public Account to 31st March, 1881	654 17 5		By Expenditure from 27th October, 1880, to 31st March,		452 2 0
Cash in hand and outstand- ing, 31st March, 1881			1881 Balance		453 3 9 245 9 10
	anner and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the stat	£698 13 7		7	£698 13 7
Dr.	<i>f</i> , s. d.	KAIPARA £ s. d.∤	SECTION. Cr.	£ s. d.	£ s. d.
To Cash in hand and outstanding, 1st April, 1880	£ s. d.	, s. u.	By Payments into Public Ac- counts to 31st March, 1881	~	,
Passengers, parcels, goods, &c., 31st March, 1881	5,536 2 3		Cash in hand and outstand- ing, 31st March, 1881	192 9 10	
	. 4	5,685 17 2	_		5,685 17 2
To Amount paid into Public Account, 31st March, 1881 Less cash in hand and out-	5,493 7 4		By Expenditure to 31st March, 1881 Balance		4,678 8 0 857 14 3
standing, 1st April, 1880 Cash in hand and outstand-	149 14 11	5,343 12 5			
ing, 31st March, 1881		192 9 10			Carot -
	7	£5,536 2 3		,	£5,536 2 3

AUCKLAND SECTION.

		AUCKLANI	SECTION.				
Dr. To cash in hand and outstanding, 1st April, 1880	£ s. d.	£ s. d.	Cr. By Payments into Public Account to 31st March, 1881	£ s. d. 62,135 4 4	£	s.	d.
Passengers, parcels, goods, &c., 31st March, 1881	59,244 0 3		Less refunds wharfage £2,937 7 2 Less refunds				
			of revenue 2 4 I	2,939 11 3			
			Cash in hand and outstanding, 31st March, 1881, including £39 4s. 3d. for		59,195	13	I
			Volunteer services, un- recovered		1,647	18	٥
-		60,843 11 1		-	£60,843	I I	1
To Amount paid into Public Ac-	4		By Expenditure to 31st March,	•	_		-
count, 31st March, 1881 Less cash in hand and out-	59,195 13 1			19,254 8 10	39,989	11	5
standing, 1st April, 1880	1,599 10 10	57,596 2 3	Mail service, per other side, unrecovered	725 0 0			
Postal Department, for mail service		725 0 0	•		19,979	8	10
Cash in hand and outstand- ing, 31st March, 1881	•••	1,647 18 0					
	- '' '	L59,969 0 3		·	£59,969	0	3
• •		NAPIER	SECTION.				
Dr. To Cash in hand and outstand-	£ s. d.	£ s. d.	CR. By Payments into Public Ac-	£ s. d.	£	s.	d.
ing, 1st April, 1880 Passengers, parcels, goods,	480 2 9		count to 31st March, 1881 Cash in hand and outstand-	29,190 5 5			
&c., 31st March, 1881	29,051 17 3	29,532 0 0	ing, 31st March, 1881	341 14 7	29,532	0	0
To Amount paid into Public Ac-			By Expenditure to 31st March,				_
count, 31st March, 1881 Less cash in hand and out-	29,190 5 5		1881 Balance	 11,444 18 6	17,606	18	9
standing, 1st April, 1880	480 2 9	28,710 2 8	Mail service, per other side, unrecovered	557 15 3			
Postal Department, for mail service		557 15 3			12,002	13	9
Cash in hand and outstand- ing, 31st March, 1881	•••	341 14 7					
	-	£29,609 12 6				12	6
	·		N. CECTION	·	***************************************		_
Dr.	£ s, d.	WELLINGIC £ s. d.	ON SECTION. Cr.	£ s. d.	£	s.	d.
To Cash in hand and outstanding, 1st April, 1880	224 0 9		By Payments into Public Account to 31st March, 1881	35,741 14 1			
Passengers, parcels, goods, &c., 31st March, 1881	35,931 7 8		Cash in hand and outstand- ing, 31st March, 1881, in-				
			cluding £10 1s. 11d. for Volunteer services, un-				
		36,155 8 5	recovered	413 14 4	36,155	8	5
To Amount paid into Public Ac-			By Expenditure to 31st March,				
count, 31st March, 1881 Less cash in hand and out-	35,741 14 1		1881 Balance	4,495 14 8	31,435	13	0
standing	224 0 9	35,517 13 4	Mail service, per other side, unrecovered	875 0 0			_
Postal Department, for mail service	···	875 0 0			5,370	14	8
Cash in hand and outstanding, 31st March, 1881	(3)	413 14 4					
	7	£36,806 7 8		:	£36,806	7	8
		WANGANII	T SECTION.	•			-
Dr.	£ s. d.	£ s. d.	Cr.	£ s. d.	£	s.	d.
To Cash in hand and outstanding, 1st April, 1880	534 I 4		By Payments into Public Account to 31st March, 1881	37,934 17 6			
Passengers, parcels, goods, &c., 31st March, 1881	36,440 5 8		Less refunds wharfage £1,446 9 5				
			Less refunds of revenue 56 5 10				
			Cook in hand and autotal	1,502 15 3	36,432	2	3
			Cash in hand and outstand- ing, 31st March, 1881, in-				
			cluding £15 17s. 2d. for Volunteer seevices, un-		.		
		26.074 7 -	recovered	***	26.074		9
	9	36,974 7 0			36,974	7	0

Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Section Da. Sectio					
To Amount paid into Public Account, 1918 March, 1881 \$60,331 1 5 5 5 5 5 5 5 5	D-	<i>C</i> -	_		
Postal Department, for mail strain in hand and outstanding, 31st March, 1881 35,898 of 1 35,898 of 1 3 38,898 of 1 3 38,898 of 1 3 3 3 3 3 3 3 3 3	To Amount paid into Public Ac-	•		By Expenditure to 31st March,	£ s. a. £ s. d.
Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Sect			2 3	D 1	24,333 13 5 12,106 12 3
1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,100 0 0 1,10	standing, 1st April, 1880	534		Mail service, per other side,	
Section Cash in hand and outstanding 31st March, 1881 10 10 10 10 10 10 10					
Fig. 2 Fig. 2 Fig. 2 Fig. 3 Fig. 4 F			1,100 0	0	
NEW PLYMOUTH SECTION.	ing, 31st March, 1881	•••	542 4	9	
Dr. Coash in hand and outstanding, 1st April, 1880 Passengers, proresh, goods, &c., 31st March, 1881 Less cade in hand and outstanding, 1st April, 1880 Popular service To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 Account, 31st March, 1881 Less cade in hand and outstanding, 1st April, 1880 To Cash in hand and outstanding, 1st April, 1880 Account, 31st March, 1881 \$\frac{\phi_{0,931}}{\phi_{0,931}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\			£37,540 5	8	£37,540 5 8
Dr. Coash in hand and outstanding, 1st April, 1880 Passengers, proresh, goods, &c., 31st March, 1881 Less cade in hand and outstanding, 1st April, 1880 Popular service To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 Account, 31st March, 1881 Less cade in hand and outstanding, 1st April, 1880 To Cash in hand and outstanding, 1st April, 1880 Account, 31st March, 1881 \$\frac{\phi_{0,931}}{\phi_{0,931}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\frac{\phi_{0,932}}{\phi_{0,932}}\$\			NEW PLYM	OUTH SECTION	
ing, 1st April, 1880 299 10 5 Passengers, parcels, goods, &c., 31st March, 1881 9,071 1 5	— ***			d. Cr.	
Passengers, parcels, goods, 8.c., 31st March, 1881 9,071 1 5 To Amount paid into Public Account, 31st March, 1881 299 10 5 Postal Department, for mail service			о 5	By Payments into Public Account, 31st March, 1881	
## County paid into Public Account, 31st March, 1881 \$29,370 11 10 ## County and an advantage of the public Account, 31st March, 1881 \$29,092 6 1 ## Less cash in hand and outstanding, 1st April, 1880 \$30,095 1 9 ## Forstal Department, formal general public Account, 31st March, 1881 \$30,095 1 9 ## HURUNUI-BLUFF SECTION. ## Dr. Cash in hand and outstanding, 1st April, 1880 \$34,247 10 4 ## Passengers, parcels, 2004s, 8c., 31st March, 1881 \$30,595 1 9 ## Forstal Department, for mail general public Account, 31st March, 1881 \$30,595 1 9 ## ## Forstal Department, for mail general public Account, 31st March, 1881 \$30,595 1 9 ## ## ## Forstal Department, for mail general public Account, 31st March, 1881 \$30,433 18 2 ## Less cash in hand and outstanding, 1st April, 1880 \$34,427 10 4 ## Postal Department, for mail general public Account, 31st March, 1881 \$34,427 10 4 ## Postal Department, for mail general public Account, 31st March, 1881 \$34,428 13 11 ## ## ## ## Forstal Department, for mail general public Account, 31st March, 1881 \$34,428 13 11 ## ## ## ## ## ## ## ## ## ## ## ## ##	Passengers, parcels, goods,			Cash in hand and outstand-	***
## To Amount paid into Public Account, 31st March, 1881 59,39 11 10 To Amount paid into Public Account, 31st March, 31st March, 1881 59,09 1 5 Postal Department, for mail service Cash in land and outstanding, 1st April, 1880 34,247 10 4 Passengers, parcels, goods, &c., 31st March, 1881 630,433 18 2 Leis and in hand and outstanding, 1st April, 1880 34,247 10 4 Passengers, parcels, goods, &c., 31st March, 1881 630,433 18 2 Leis Cash in hand and outstanding, 31st March, 1881 630,433 18 2 To Amount paid into Public Account, 31st March, 1881 630,831 17 To Amount paid into Public Account, 31st March, 1881 630,831 17 To Amount paid into Public Account, 31st March, 1881 630,831 17 To Amount paid into Public Account, 31st March, 1881 630,831 17 To Amount paid into Public Account, 31st March, 1881 630,831 17 To Amount paid into Public Account, 31st March, 1881 630,831 17 To Amount paid into Public Account, 31st March, 1881 640,842 12 1 To Amount paid into Public Account, 31st March, 1881 640,842 12 1 To Amount paid into Public Account, 31st March, 1881 650 0 0 Less cash in hand and outstanding, 31st March, 1881 67,771 12 3 To Amount paid into Public Account, 31st March, 1881 650 0 0 Less cash in hand and outstanding, 31st March, 1881 67,771 12 3 To Amount paid into Public Account, 31st March, 1881 68, d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s. d. f. s	wei, 5250 Hairen, 2001 ///	9,071	- 5	including £30 19s. 4d for	
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Account, 31st March, 1881 Less cash in hand and outstanding, 1st April, 1880 Cash in hand and outstanding, 1st April, 1880 Da. To Cash in hand and outstanding, 1st April, 1880 Account, 31st March, 1881 Less cash in hand and outstanding, 1st April, 1880 Account, 31st March, 1881 Less cash in hand and outstanding, 1st April, 1880 Cash in hand and outstanding, 1st April, 1880 Cash in hand and outstanding, 1st April, 1880 Cash in hand and outstanding, 1st April, 1880 Cash in hand and outstanding, 1st April, 1880 Cash in hand and outstanding, 1st April, 1880 Cash in hand and outstanding, 1st April, 1880 Cash in hand and outstanding, 1st April, 1880 Cash in hand and outstanding, 1st April, 1880 Cash in hand and outstanding, 1st April, 1880 Society of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of t			£9,370 II	0	9,370 11 10
Mail service, per other side,					
Postal Department, for mail service Cash in hand and outstanding, 1st April, 1880 34,247 10 4 Passengray parcels, goods, 8C., 31st March, 1881 .	1881		б 1	Mail service, per other side,	
Postal Department, for mail service		299 10			•
Service	Postal Department, for mail		8,792 15	8	
Postal Department, for mail service Security Secu	service		250 0	0	
HURUNUI-BLUFF SECTION. Dr.			278 5	9	
Dn. To Cash in hand and outstanding, 1st April, 1880			£9,321 1	5	£9,321 1 5
Dn. To Cash in hand and outstanding, 1st April, 1880				TIPE CECTOS	
To Cash in hand and outstanding, 1st April, 1880 34,247 10 4 Passengers, parcels, goods, &c., 31st March, 1881 630,595 1 9 To Amount paid into Public Account, 31st March, 1881 630,433 18 2 Less cash in hand and outstanding, 1st April, 1880	Dr.	£ s	_		\mathcal{L} s. d. \mathcal{L} s. d.
Less refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds Sex refunds		~		By Payments into Public Ac-	
Less refunds	Passengers, parcels, goods,	_		Less refunds	093,902 10 g
Cash in hand and outstanding, 31st March, 1881	&c., 31st March, 1881	030,595	1 9	Less refunds	
Cash in hand and outstanding, 31st March, 1881				of revenue 7,558 19 11	63,528 18 7
Ing. 31st March, 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881 1881				Cash in hand and outstand-	
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To Amount paid into Public Account, 31st March, 1881 630,433 18 2 Less cash in hand and outstanding, 31st March, 1881 9,236 6 o Cash in hand and outstanding, 31st March, 1881 9,236 6 o Cash in hand and outstanding, 31st March, 1881				for Volunteer services, un-	
To Amount paid into Public Account, 31st March, 1881 630,433 18 2 Less cash in hand and outstanding, 1st April, 1880					
Account, 31st March, 1881 630,433 18 2 Less cash in hand and outstanding, 1st April, 1880 34,247 10 4 Postal Department, for mail service 9,236 6 0 Cash in hand and outstanding, 31st March, 1881 50 10 9 Passengers, parcels, goods, &c., 31st March, 1881 10,721 1 6 To Amount paid into Public Account, 31st March, 1881 Less cash in hand and outstanding, 1st April, 1880 50 10 9 Postal Department, for mail service 10,650 0 0 Postal Department, for mail service 10,650 0 0 Cash in hand and outstanding, 1st April, 1880 50 10 9 Postal Department, for mail service 40 0 0 Cash in hand and outstanding, 1st April, 1880 50 10 9 Postal Department, for mail service 40 0 0 Cash in hand and outstanding, 1st April, 1880 50 10 9 Postal Department, for mail service 40 0 0 Cash in hand and outstanding, 1st April, 1880 50 10 9 Postal Department, for mail service 40 0 0 Cash in hand and outstanding, 1st April, 1880 50 10 9 Postal Department, for mail service 40 0 0 Cash in hand and outstanding, 1st April, 1880 50 10 9 Postal Department, for mail service 40 0 0 Cash in hand and outstanding, 1st April, 1880 50 10 9 Postal Department, for mail service 40 0 0 Cash in hand and outstanding, 1st April, 1880 50 10 9 Postal Department, for mail service 40 0 0 Cash in hand and outstanding, 1st April, 1880 50 10 9 Postal Department, for mail service 40 0 0 Cash in hand and outstanding, 1st April, 1880 50 10 9 Postal Department, for mail service 40 0 0 Cash in hand and outstanding, 1st April, 1880 50 10 9 Postal Department, for mail service	-		£664,842 12	I	£664,842 12 1
Less cash in hand and outstanding, 1st April, 1880 34,247 10 4 Postal Department, for mail service				- 00	276.082.11.1
Standing, 1st April, 1880 34,247 10 4 Postal Department, for mail service	1881	630,433 18	3 2	Balance	254,512 10 8
Postal Department, for mail service		34,247 10			9,236 6 0
Cash in hand and outstanding, 31st March, 1881 34,408 13 11	Postal Department, for mail		596,186 7	0	263,748 16 8
GREYMOUTH SECTION. Dr. To Cash in hand and outstanding, 1st April, 1880 Passengers, parcels, goods, &c., 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 Less cash in hand and outstanding, 1st April, 1880 Postal Department, for mail service Cash in hand and outstanding, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Pub	***	•••	9,236 6	0	
Cash in hand and outstanding, 1st April, 1880 Cash in hand and outstanding, 1st March, 1881 Cash in hand and outstanding, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st March, 1st M		•••	34,408 13	I	
DR. To Cash in hand and outstanding, 1st April, 1880 Passengers, parcels, goods, &c., 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 Less cash in hand and outstanding, 1st April, 1880 Postal Department, for mail service Cash in hand and outstanding, 31st March, 1881 Cash in hand and outstanding, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 Less cash in hand and outstanding, 1st April, 1880 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account to 31st March, 1881 Balance Balance Balance Mail service, per other side, unrecovered Mail service, per other side, unrecovered To Amount paid into Public Account to 31st March, 1881 So 10,650 o o o occash in hand and outstanding, 1st April, 1880 To Amount paid into Public Account to 31st March, 1881 Balance 5,823 11 9 Mail service, per other side, unrecovered To Amount paid into Public Account to 31st March, 1881 To Amount paid into Public Account to 31st March, 1881 Balance 5,823 11 9 Mail service, per other side, unrecovered To Amount paid into Public Account to 31st March, 1881 To Amount paid into Public Account to 31st March, 1881 Balance 5,823 11 9 Mail service, per other side, unrecovered 40 o o occash in hand and outstanding, 31st March, 1881 5,863 11 9			£639,831 7	9	£639,831 7 9
DR. To Cash in hand and outstanding, 1st April, 1880 Passengers, parcels, goods, &c., 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 Less cash in hand and outstanding, 1st April, 1880 Postal Department, for mail service Cash in hand and outstanding, 31st March, 1881 Cash in hand and outstanding, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 Less cash in hand and outstanding, 1st April, 1880 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account, 31st March, 1881 To Amount paid into Public Account to 31st March, 1881 Balance Balance Balance Mail service, per other side, unrecovered Mail service, per other side, unrecovered To Amount paid into Public Account to 31st March, 1881 So 10,650 o o o occash in hand and outstanding, 1st April, 1880 To Amount paid into Public Account to 31st March, 1881 Balance 5,823 11 9 Mail service, per other side, unrecovered To Amount paid into Public Account to 31st March, 1881 To Amount paid into Public Account to 31st March, 1881 Balance 5,823 11 9 Mail service, per other side, unrecovered To Amount paid into Public Account to 31st March, 1881 To Amount paid into Public Account to 31st March, 1881 Balance 5,823 11 9 Mail service, per other side, unrecovered 40 o o occash in hand and outstanding, 31st March, 1881 5,863 11 9			CREWAG	THE CHAIN ON	
To Cash in hand and outstanding, 1st April, 1880 50 10 9 Passengers, parcels, goods, &c., 31st March, 1881 10,721 1 6 To Amount paid into Public Account, 31st March, 1881 10,650 0 0 Less cash in hand and outstanding, 1st April, 1880 50 10 9 Postal Department, for mail service Cash in hand and outstanding, 31st March, 1881 4,897 9 9 Cash in hand and outstanding, 31st March, 1881 5,823 11 9 Mail service, per other side, unrecovered 40 0 0 Cash in hand and outstanding, 1st April, 1880 40 0 0 To Amount paid into Public Account to 31st March, 1881, including £2 4s. 4d. for Volunteer services, unrecovered 121 12 3 By Payments into Public Account to 31st March, 1881, including £2 4s. 4d. for Volunteer services, unrecovered 121 12 3 By Expenditure to 31st March, 1881, 4,897 9 9 By Expenditure to 31st March, 1881 5,823 11 9 Mail service, per other side, unrecovered 40 0 0 5,863 11 9 5,863 11 9	D _R .	£ s.			£ s. d. £ s. d.
Passengers, parcels, goods, &c., 31st March, 1881 10,721 1 6 To Amount paid into Public Account, 31st March, 1881 10,650 0 0 Less cash in hand and outstanding, 1st April, 1880 Postal Department, for mail service 40 0 0 Cash in hand and outstanding, 31st March, 1881 5,823 11 9 Postal Department, for mail service 40 0 0 Cash in hand and outstanding, 31st March, 1881 5,863 11 9 To Amount paid into Public Accovered 5,823 11 9 Mail service, per other side, unrecovered 40 0 0 5,863 11 9	To Cash in hand and outstand-		~	By Payments into Public Ac-	
To Amount paid into Public Account, 31st March, 1881 10,650 0 0 10,599 9 3 10,599 9 3 10,599 9 3 10,599 9 3 10,599 9 3 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599 10,599	Passengers, parcels, goods,	•		Cash in hand and outstand-	
Volunteer services, unrecovered 121 12 3 To Amount paid into Public Account, 31st March, 1881 10,650 0 0 Less cash in hand and outstanding, 1st April, 1880 50 10 9 Postal Department, for mail service 40 0 0 Cash in hand and outstanding, 31st March, 1881 40 0 0 Cash in hand and outstanding, 31st March, 1881 40 0 0	cc., 31st march, 1881	10,721 1	ı U	including £2 4s. 4d. for	
To Amount paid into Public Account, 31st March, 1881 10,650 0 0 Less cash in hand and outstanding, 1st April, 1880 50 10 9 Postal Department, for mail service 40 0 0 Cash in hand and outstanding, 31st March, 1881 40 0 0 5,863 11 9			•	,	121 12 3
count, 31st March, 1881 10,650 0 0			10,771 12	1	
Less cash in hand and out- standing, 1st April, 1880 Postal Department, for mail service 40 0 0 Cash in hand and outstanding, 31st March, 1881 121 12 3		106.0			,00,
Postal Department, for mail service 40 0 0 Cash in hand and outstanding, 31st March, 1881 121 12 3	Less cash in hand and out-			Balance	5,823 11 9
Postal Department, for mail service 40 0 0 Cash in hand and outstanding, 31st March, 1881 121 12 3	standing, 1st April, 1880	50 10		1 1 2	
Cash in hand and outstanding, 31st March, 1881 121 12 3		,			
	Cash in hand and outstand-		•		
£10,701 1 0 £10,701 1 6	ms, stat match, 1001		-	6	C
			£,10,701 1	=	£10,701 1 6

		WESTPOR	r section.		
Dr.	£ s. d.	£ s. d.	Cr.	£ s. d.	£ s. d.
To Cash in hand and outstand- ing, 1st April, 1880	163 7 5		By Payments into Public Account to 31st March, 1881	3,254 8 7	
Passengers, parcels, goods, &c., 31st March, 1881	3,911 3 2		Cash in hand and outstand- ing, 31st March, 1881	820 2 0	
<i>2001, 3200 Manager, 2002 111</i>	3,9 3 ~	4,074 10 7			4,074 10 7
To Amount paid into Public Ac-			By Expenditure to 31st March,		
count, 31st March, 1881 Less cash in hand and out-	3,254 8 7		1881 Balance	214 7 9	3,696 15 5
standing, 1st April, 1880	163 7 5		Mail service, per other side,		
Postal Department, for mail		3,091 1 2	unrecovered	28 13 6	243 1 3
service Cash in hand and outstand-	•••	28 13 6			10 0
ing, 31st March, 1881	***	820 2 0	•		
		£3,939 16 8			£3,939 16 8
		MELCON	CECTION		
DR.	£ s. d.		SECTION. Cr.	£ s. d.	£ s. d.
To Cash in hand and outstand-	~	≴ 3, u,	By Payments into Public Ac-		5 3. u.
ing, 1st April, 1880 Passengers, parcels, goods,	72 4 3		count to 31st March, 1881 Cash in hand and outstand-	8,340 8 4	
&c., 31st March, 1881	8,453 18 9		ing, 31st March, 1881, in- cluding £121 7s. 6d. for		
			Volunteer services, unre-		
		£8,526 3 0	covered	185 14 8	£8,526 3 o
To Amount maid into Dublic	;	K-75	By Expenditure to 31st March,	=	3
To Amount paid into Public Account, 31st March, 1881	8,340 8 4		1881	***	6,181 6 4
Less cash in hand and out- standing, 1st April, 1880	72 4 3		Balance Mail service, per other side,	2,272 12 5	
	/- + J	8,268 4 1	unrecovered	250 0 0	
Postal Department, for mail service	***	250 0 0	•		2,522 12 5
Cash in hand and outstanding, 31st March, 1881		185 14 8			
mg, grat maten, 1001					
	•	£8,703 18 9		Ξ	£8,703 18 9
_	a ,	PICTON S			2
DR. To Cash in hand and outstand-	£ s. d.	£ s. d.	CR. By Payments into Public Ac-	£ s. d.	£ s, d.
ing, 1st April, 1880 Passengers, parcels, goods,	29 5 1		count to 31st March, 1881 Cash in hand and outstand-	5,753 7 9	
&c., 31st March, 1881	5,801 7 9		ing to 31st March, 1881,		
			including £12 2s. for Volunteer services, unre-		
•		C# 820 12 10	covered	77 5 1	£5,830 12 10
		(5,830 12 10	.	=	£, 5,030 12 10
To Amount paid into Public Account, 31st March, 1881	5,753 7 9		By Expenditure to 31st March, 1881	*	4,820 16 8
Less cash in hand and out-			Balance Mail service, per other side,	980 11 1	
standing, 1st April, 1880	29 5 1	5,724 2 8	unrecovered	219 2 0	
Postal Department, for mail service	•••	219 2 0	-		1,199 13 1
Cash in hand and outstand-		75 7 7			
ing, 31st March, 1881	•••	77 5 1			O C
	:	£6,020 9 9		:	£6,020 9 9
RETURN of WHARFA	GE, &c., Ac	COUNT for th	e Twelve Months ended 3	1st March,	1881.
DR.	£ s. d.	£ s. d.	CR.	£ s. d.	£ s. d.
To Balance, 31st March, 1880 Wharfage, &c., 31st March,	8,327 8 7		By Cash payments, 31st March, 1881	64,579 3 7	
1881	67,971 5 1	Ç76,298 13 8		11,719 10 1	76,298 13 8
	,	510,290 13 0		d=====================================	19,490 13 0
				A. C. Fir	Æ,
			\mathbf{R}_{i}	ailway Ac cou	ıntant.

RETURN No. 2.

GENERAL EXPENDITURE ACCOUNT for the Financial Year ending 31st March, 1881.

Stock in hand—Stores Stock in hand—Stores Tay	56,871 18 8 12,121 9 11 464 7 8 69,457 16 3 57,089 8 7	"workshops work done for other Government departments	12,703 6 6 581 2 9	2,878 5 10	
131 9 5 11 18 2 122 6 3 189 17 11 88 15 11 13,854 13 7 69,958 15 2	7 8 69,487 16 8 1 8 8 7	workshops work done for cluer Govern- ment departments miscellaneous way and works, Hurunui-Bluff cash expenditure recoveries to vote as per Trassury	9 9 6 2		
11 18 2 122 6 3 109 17 11 88 15 11 13,854 13 7 69,958 15 2	7 8 69,457 16 1 8 7	way and works, Hurunui-Bluff cash expenditure recoveries to vote as per Treasury			
102 17 11 88 15 11 11 88 15 11 11 88 15 11 11 11 11 11 11 11 11 11 11 11 11	7 8 69,457 16 1 8 7	cash expenditure recoveries to vote as per Treasury	13	13,284 9 3	
13,854 13 7 69,958 15 2	7 8 69,457 16 1 8 8 7	tecoveries to tota as per trogger?		, 0 ,	
13,854 13 7 69,958 15 2 83,813 8 9	09,457 16 1 8 8 7		•	7	
69,958 15 2 83,813 8 9	- 8	Less assets and liabilities included	34	34,590 11 7 543 0 9	,
69,958 15 2	8	Credits, assets and liabilities as above		0	34,04,7 10 10
69,958 15 2 3 3 8 3,813 8 9 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		:			
83,813 8 9 5		,, manifeles per treasury		17 1	18,326 19 0
83,813 8 9 5	353,045 12 7	Outstanding accounts for stores against other	:		·
		miscellaneous	308 5 9	9	
:	7 11 106,000	" workshops' accounts against other		61 64/	
		Government departments	12,002 12 4		
General Services 25	D 10-	Store orders incompleted, Auckland		,	
	$\cdot $	Ontotonding was and woods Humani-Blaff		w 1	
	-	Outstanding way and works, muranul-plum cash expenditure	: :	5,254 7 3 376 1 0	
		Durnious man's manchase maid at Massium this			8 01 150,61
		erro	78 862 13 3		
	race and a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	sified expenditure omitted last year			
					74,164 11 2
		Wagon interest account			5.1,95/ 14 2 1.748 14 10
			-		
		Less value in suspense 3	3,041 9 4		ŧ
		Workshop material as per stock	÷	о н : : :	30,/44 / 5 12,162 8 7
	£740,183 16 6			£74	£740,183 16 6
			the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		

A. C. Fife, Railway Accountant.

RETURN No. 3

or. ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 32 ... 24 :48.2444 Per Train Mile, : : : Ġ. Sundries. Per Mile of Rallway per Annum. 77 .: 36 .: 58 .: 58 .: 58 .: 58 : : : : : 3.67 8.92 8.80 2.12 3.50 3.19 5:38 2:49 2:49 3:12 4.46 3.68 Per Train Mile. ፧ : General Charges. 2.98 106.31 7.96.22.76 1 1 52.96 7.07 14.94 1 1 60.47.41 6.93.21.39 3 371171.50 16.30.22.84 2 47.84241.67.30.12.70.60 8 8.43,45.93 13.21 23.34 9.30 28.99 9.97 28.31 Per Mile of Kailway per Annum 98'35 II'TO 25'69 61'01 9 16'84 0.61 23.60 5.44 21.14 14.03 26.00 9.73 29.85 Expenditure to Mileage and Revenue, : : for the Twelve Months ending 31st March, 1881 3.97 6.87 Per Train Mile. : : Traffic Expenses. 90.64 50.93 I 67.53 50.56 51.72 86.83 44.42 30.96 1 94.69 14.38 Kailway per Annum. 69.86 Per Mile of Railway : : 3,061 1.7.1 3.49 1 5.98 2 2.45 Carringe and Wagon Repairs. Per Train Mile, : : 8 8981594124446174381305252632187337427 8 8981594124446174381305252632187337492 2298 5 6964271123629 95.641397 84°011227 4°07 76 10 17644594645651217 20°63141°67134639°5537 14 9 478459198735241688141°67134639°5537 14 120°95201987278 82°27120°82 38°53 999 824 211 8 10 81°85305974214 82°15117321007013872660 3°6 10 95°061214949°58 999°90 19°69 65°271287 7°45 1°45 1.102.78 18'16 ... 51'36 12'59 10'01 2 99'83 12'28 23'56 2 7 7 7 9'23 13'81 9'78 1 per Annum. 3.72 24.94 113.04 12.76 25.86 : : Per Mile of Railway : Per Train Mile. Locomotive. : : Proportion of each Class of Per Mile of Railway per Annum. 62.40 426.09 52.27 148.12 18.17 111.88 : : 65.92 11.64 1 97.75 323.69 69.49 157.15 33.74 67.84 405.52 45.78 142.22 16.06 1 29.08 01.521 Per Train Mile. : : Per Mile of Railway Per Annum. : : 64.86 214.23 37.85 84.50 275.20 67.47 Per Train Mile, : : Fotal for Year. Per Mile of Railway per Annum. : : Expenditure and Revenue. 61.43 Per Cent, of Revenue. : 605071 111 113 113 114 115 115 14 14 Total. 24,333 1 7,781 376,082 1 : 39,989 31,435 4,897 3,696 6,181 4,820 39,740 18,034 26,735 6,318 909,71 521,957 521,957 6439,717 വു 0 Sundries. 19 88 17 18 7 0 8 6 7 8 8 ö ď : : 618 16 961 942 4 35 $\frac{23}{31}$ 43 $_{
m fo}$ 7 8 11 11 Class 10000001 11 3 17 16 17 2 13 General Charges. v 91 : : 7 2,211 1 10 18,498 9 561 10 686 9 345 1,094 1,023 1,389 6,887 564 427 579 509 1,606 31,848 Proportion of each ψį Classified Expenditure. 0 ಹ 15 رد کر Traffic Expenses. ó 8,605 3,520 5,136 4,681 1,116 109,596 2,046 1,067 1,973 ፥ : 3,965 4,784 4,925 1,185 126,818 1,933 932 1,350 910 2 140,121 ရာ 18 - 0 8 0 0 0.00 S Repairs of Carriages and Wagons. 00 and ກຸດ 47.64.6 13 13 14 17 17 17 17 υĎ : : 4 1,562)
573 8 241
1123,719
2 288
9 264
106 3 694 8 28,879 8 307 10 150 11 532 4 134 1 30,547 2,533 962 1,791 ယူ CLASSIFIED STATEMENT showing Revenue and Expenditure, ~ Locomotive 0 ... 9 19 19 10137,048 13 4 o, 5,393 I 12,028 : 7,923 2,158 93,233 897 699 1,658 : 5,182 9,144 2,100 104,763 846 705 2,014 1,174 807 11,078 0 4 I 200 Maintenance of Way. 114 181,448 13 . e e o 8 ö 4 11 81 91 180 0 ó vs o : : 9,794 8,899 3,498 130,415 871 1,079 1,597 1,945 6,410 2,390 60,463 1,081 1,469 1,642 1,798 4 1 C 4 1 0 1 7 C 4 0 1 V J : : 83.97 Per Mile of Railway per Annum (Average). 14 6 9 I ፥ Revenue. 345 251 818 1,340 391 422 305 682 331 597 597 597 389 275 777 777 166 373 264 325 544 607 <u>600</u> 00 ф <u>о</u> 63 0 0 16 81 10 00 00 15 Total, 2.873 998 16640 212,276 59,244 93,747 29,051 1146,167 35,931 158,497 89,071 15,064 10,721 15,065 15,095 33,314 23,644 5,881 13,598 33,314 5,8813 12,844 5,881 208,340 105,692 144,323 25,407 167,183 36,207 41,070 6,883 1,867,305 15,404 9,903 16,937 34,937 21,911 4,762 13,281 849,735 1,277 2,396,765 836,454 Train Mileage. : Mileage. 2 0 2 Length Open for Traffic. : : Napier
Wellington ...
Wanganui ...
New Plymouth
Hurunui-Bluff services Wanganui ...
New Plymouth Huranii-Bluff not recovered 1879-80. Auckland Napier Wellington Greymouth Section. Greymouth Кажакажа bangarei Totals Kaipara Auckland Westport Westport Postal

* Postal services no account

81.

1.17

2.37

3.30 137.48 14.32 22.69

76.06 50612 52.71 182.38 18.99 130.09 13.55 31.71

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3 580,010

63

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209,004

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665

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1,172 2,640,898 762,572

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Totals

C. FIFE, Railway Accountant.

RETURN No. 4:
DETAIL of CLASSIFIED EXPENDITURE for Twelve Months ended 31st March, 1881.

			LAID OF CL	ASSIFIED LIXP	ENDITURE 10	r Twelve Mo	nths ended a	orse march, r		<u> </u>		,~ <u>~</u>		
	Whangarei Section.	Kaipara Section.	Auckland Section.	Napier Section.	Wellington Section.	Wanganui Section.	New Plymouth Section.	Hurunui-Bluff Section.	Greymouth Section.	Westport Section.	Nelson Section.	Picton Section.	Totals.	Account Totals.
A.—MAINTENANCE OF WAYS AND WORKS. Permanent Way,— 1. Wages, general	3 2 6	£ s. d. 1,604 18 10 0 5 3 1 7 10 9 18 9 241 6 10 7 0 5	£ s. d. 11,344 2 5 4 13 7 68 16 4 990 17 3 67 7 1	£ s. d. 5,614 5 8 3 8 7 21 5 2 477 16 2 20 9 11	£ 8. d. 7,273 9 8 2 3 11 1,693 5 0 39 15 1	£ s. d. 8,805 12 9 1 5 2 67 15 4	£ 8. d. 3,386 I 5 3 4 0 34 18 10	£ s. d. 76,499 15 10 4,098 3 11 133 8 0 1,485 7 1 19,713 17 10 109 15 8	£ s. d. 832 19 8 0 13 8 1 18 2 28 11 6 0 12 7	£ s. d. 1,043 I II	£ s. d. 1,562 19 6 19 4 11	£ s. d. 1,731 10 2 148 12 0	£ s. d. 119,833 10 9 4,109 5 7 140 8 4 1,587 5 6 23,419 8 2 245 14 5	124,083 4 8
3. Wages		154 12 6 80 17 7 22 4 5	990 5 3 495 15 6 188 6 3	46 5 6 158 17 11 8 17 0	85 17 4 496 18 4 8 3 0	5 3 °	40 3 7 7 0 0 2 8 9	14,092 10 4 7,635 19 0 63 2 4	4 7 2 1 15 1 0 18 4	28 II 3 	 1 14 0 	1 5 6 62 4 7 • 3 9	15,415 7 2 8,974 16 3 294 3 10	} 24,684 7 3
4. Wages	· · · ·	3 10 6 0 10 7	290 13 6 154 17 8 66 16 11	42 4 4 17 1 0 8 12 0	108 12 3 63 12 2 22 13 7	19 8 o 	24 6 6 	3,720 4 9 2,837 3 0 25 17 4	•••	7 9 7	13 13 2	1 7 0	4,161 14 10 3,142 8 7 124 10 5	7,428 13 10
Total	139 9 1	2,126 13 6	14,662 11 9	6,419 3 3	9,794 10 4	8,899 4 3	3,498 3 1	130,415 5 1	871 16 2	1,079 2 9	1,597 11 7	1,945 3 0	181,448 13 10	181,488 13 10
B.—Locomotive Power.														
Running Expenses,— 1. Wages, working Wages, miscellaneous 2. Wages, fuel, and water Fuel and water Workshop commission 3. Wages, oil, and stores Oil, tallow, and other stores Renewals and Repairs,—		433 19 11 54 12 0 38 3 10 160 1 5 0 6 2	5,759 12 2 3 0 2 231 15 10 1,548 0 5 44 0 7 38 14 9 644 17 3	1,907 15 7 2 6 1 2,319 3 3 8 10 11 322 0 8	4,415 2 11	2,681 19 4 2,501 9 9 161 18 11 338 2 5	955 9 4 828 18 5 112 17 0	41,099 0 0 39 6 3 5,044 4 7 24,330 0 7 30 2 5 136 10 3 4,800 10 3	464 7 3 115 10 7 37 19 1	506 10 1 62 18 0 41 5 8	673 17 4 596 14 11 110 0 8	582 19 3 394 3 5 81 7 2	59,666 16 6 97 2 5 5,316 10 4 37,227 1 5 83 0 1 337 3 11 7,346 7 3	} 59,763 18 11 } 42,626 11 10 } 7,683 11 2
4. Wages	9 1 0	97 4 7 17 0 7 17 3 2	1,865 17 10 373 16 6 356 2 5	631 0 5 96 12 8 106 6 1	1,810 15 11 398 7 2 246 14 8	1,879 4 10 360 16 9	231 8 2 25 17 10 3 19 11	12,452 15 6 3,352 15 5 1,947 16 8	220 9 6 55 8 6 4 5 0	72 2 I 13 15 5 3 7 II	239 10 6 38 I 4 	8 15 6 29 16 8 1 14 8	19,513 10 10 4,771 9 10 2,689 10 6	26,974 11 2
Total	217 8 5	873 2 8	10,865 17 11	5,393 15 8	12,028 3 4	7,923 12 0	2,158 10 8	93,233 1 11	897 19 11	699 19 2	1,658 4 9	1,098 16 8	137,048 13 1	137,048 13 1
C.—REPAIRS AND RENEWALS OF CARRIAGES AND WAGONS. Ourriages,— 1. Wages 2. Miscellaneous and materials Workshop commission		29 9 5 20 4 6 4 17 4	856 17 7 319 6 3 166 16 11	250 8 2 50 14 2 44 0 10	650 12 6 110 17 4 107 10 2	359 18 1 102 10 9	113 15 4 39 18 5 	6,924 8 1 2,106 8 10 1,197 2 4	139 14 9 35 17 3	47 14 10 8 12 4 	106 15 0 33 2 0	69 13 5 12 13 7 6 15 3	9,549 7 2 2,840 5 5 1,527 2 10	} 13,916 15 5
Wagons,— 3. Wages 4. Miscellaneous and materials Workshop commission		70 10 6 31 7 9 13 12 8	684 1 11 399 19 11 137 7 4	219 10 5 62 14 6 38 8 7	466 18 3 142 6 11 84 9 11	110 17 0	61 14 0 25 16 6 	8,445 8 0 3,419 2 1 1,627 7 8	173 15 2 40 10 4 0 2 0	199 17 5 32 10 3	93 I O 31 I8 9 	17 3 11	10,414 16 8 4,314 7 11 1,901 8 2	16,630 12 9
Total		170 2 2	2,564 9 11	665 16 8	1,562 15 1	573 5 10	241 4 3	23,719 17 0	389 19 6	288 14 10	264 16 9	106 6 2	30,547 8 2	30,547 8 2
D.—TRAFFIC EXPENSES. 1. Wages	2 17 9 0 15 0 22 14 0	5 6 1		171 0 7	4 ² 4 ² 3 3 ⁰ 4 7	243 5 0 150 13 5 	986 16 5 43 2 10 85 10 3 0 18 0	7,154 16 7 3,758 15 2 3,271 4 1 213 17 9	194 5 9 65 7 11 34 0 4	65 2 1 62 11 4 138 11 11	72 1 11 46 12 0 15 5 1	85 5 7 18 18 11 37 1 0	5,216 18 0 4,341 8 2 294 13 7	121,604 17 2 8,585 13 2 5,216 18 0 } 4,636 1 9
Total	82 4 1	968 8 2	8,605 19 11	3,520 14 1	5,136 11 10	4,681 10 7	1,116 7 6	109,518 6 10	2,046 7 9	1,067 15 9	1,973 15 10	1,325 7 9	140,043 10 1	140,043 10 1
E.—General Charges. 1. General expenses 2. Salaries of district managers and clerks 3. Office, incidental, and special expenses 4. Miscellaneous	14 2 2	164 18 6 280 0 4 75 10 5 	1,154 9 6 1,355 3 3 706 8 5 33 7 3	604 14 6 479 8 5 522 6 2	384 16 6 798 0 1 1,534 1 4 	494 15 6 659 14 3 1,057 7 9 	274 17 6 312 12 1 174 16 0	6,377 5 8 10,625 17 9 968 6 4 572 18 0 32 13 11	164 18 6 452 I 5 57 18 0	109 19 0 382 7 6 68 16 5 	219 18 0 430 6 1 36 13 4 	219 18 0 30 8 6 94 16 7 	10,170 11 2 15,805 19 8 5,311 2 11 572 18 0 66 7 2	10,170 11 2 15,805 19 8 5,311 2 11 639 5 2
Total	14 2 2	520 9 3	3,249 8 5	1,606 9 1	2,717 3 11	2,211 17 6	762 5 7	18,577 1 8	674 17 11	561 2 11	686 17 5	345 3 I	31,926 18 11	31,926 18 11
F.—SUNDRIES. 1. Miscellaneous and law costs 2. Compensation	1 1	19 12 3	4 14 0 36 9 6		35 4 0 161 4 6	28 17 10 15 5 5	2 10 6 2 5 0	211 7 0 407 11 7	12 8 6	***			295 I 10 647 8 3	295 I 10 647 8 3
Total		19 12 3	41 3 6	100	196 8 6	44 3 3	4 15 6	618 18 7	16 8 6				942 10 1	942 10 1
Grand total	150	4,678 8 0		17,606 18 9	31,435 13 0	24,333 13 5		376,082 11 1	4,897 9 9	3,696 15 5	6,181 6 4	4,820 16 8	521,957 14 2	521,957 14 2

• RETURN No. 5.

COMPARATIVE STATEMENT of Passengers and Goods Traffic for the Twelve Months ending 31st March, 1881.

1880-81. No. Receipts. Number of Trains. Miles Travelled by Trains.	•	
Kawakawa	Passengers. Goods, &c. Passengers and Goods, &c. Goods. Total. Passengers and Goods, &c.	og Total.
Kaipara 16 3,936 13,622 17,558 47 4,214 133 4,270 1,050 374 10,088 1,541 222 1 136 1,900 Auckland 107 59,949 231,624 291,573 276 6,838 4,394 17,562 33,365 502 62,937 4,685 915 14,357 34,611 54,568 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420 25,420	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	01 3,774 55 20,895 73 271,449 62 100,209 94 179,061 158,497 53 49,281 15 2,359,739 67 23,431 77 15,372 68 27,508
Picton 18 6,208 20,095 26,303 9 6,403 758 946 418 4,444 12,978 1,029 219 48 531 1,827	18 28,712 2 2 29,864 10 5 58,576 12 7	ırn "

A. C. FIFE, Railway Accountant

RETURN No. 6.

NET REVENUE, COST of CONSTRUCTION, and RATE of INTEREST on all Lines.

	S6	ection.			Revenue, including Postal Services, less Working Expenses, as per Balance-sheet.	Cost of Construction to Date, 31st March, 1881.	Rate of Interest
					£ s. d.	£ s. d.	£ s. d.
Kawakawa	***	***	•••	•••	621 2 4	18,429 0 0	3 7 5
Whangarei		•••	•••	•••	245 9 10	5,340 0 0	•••
Kaipara	•••	***	***	•••	857 14 3	89,318 0 0	0 19 2
Auckland	***	•••		•••	19,979 8 10	886,124 0 0	2 5 I
Napier	•••	•••		•••	12,002 13 9	420,562 0 0	2 17 1
Wellington	•••				5,370 14 8	669,222 0 0	0 16 0
Wanganui	•••			•••	13,206 12 3	640,149 0 0	2 1 3
New Plymoi		***	•••		1,539 14 10	227,990 0 0	0 13 6
Hurunui-Bl	uff		•••	•••	263,748 16 8	5,650,338 0 0	4 13 4
Greymouth	***		***		5,863 11 9	138,260 0 0	4 4 9
Westport	•••	•••				186,042 0 0	•••
Nelson	•••	•••			2,522 12 5	133,180 0 0	1 17 10
Picton	•••	•••	***	•••	1,199 13 1	163,380 0 0	0 14 8
		ing Postal	Services		327,158 4 8	9,228,334 0 0	3 10 11
Ded	luct Posta	l Services	***	•••	13,281 16 9		
	al Net R ervices	evenue, ex	ccluding	Postal	313,876 7 11	Average rate of interest, ex- cluding Postal Services	3 8 3

^{*} This line has only recently been opened, and the full cost of working is not yet borne by the Working Railways Department. † No profits.

RETURN No. 7.

HURUNUI-BLUFF SECTION.

SECTIONAL ACCOUNTS for Twelve Months ending 31st March, 1881.

Name.			Miles Open for Traffic.	Reve	nue.	•	Expend	litur	e.	Per Cent. of Revenue to date.
				£	s.	d.	£	8.	d.	
Christchurch Section	***		139	173,662	13	1	80,911	4	10	46 [.] 59
Lyttelton-Christchurch	Branch		6	69,432			35,579	10	10	51.24
Oxford Branch			22	5,185		6	4,355	4	10	83.97
Eyreton Branch	• • •		21	2,789	1	4	3,193	14	8	114.20
Southbridge Branch			25	12,875	12	5	8,705	I 2	9	67.61
Springfield Branch	•••	•••	42	13,135	8	4	10,027	9	6	76.33
Total	•••		255	277,080	16	3	142,772	17	5	51.88
Oamaru Section	• • •		104	83,668	4	6	56,674	8	0	67.74
Albury Branch	***		26	8,885	5	9	4,788	17	6	53.90
Waimate Branch	***		4	1,855	18	10	2,049	ò	1	110.40
Duntroon Branch			21	5,715	7	5	3,653	13	3	63.93
Ngapara Branch	•••		15	4,329	7	7	3,077	3	10	71.08
Total	•••		170	104,454	4	I	70,243	2	8	67.24
Dunedin Section			107	130,761	19	1	81,611	12	7	62.33
Dunedin-Port Chalmers	Branch		8	33,641	7	3	20,141	1	3	59.87
Walton Park Branch			3	877	12	4	1,017	2	4	115.89
Outram Branch	•••		9	2,849	3	4	3,346	1 I	3	117.45
Lawrence Branch	•••		22	7,430	18	0	7,714	3	7	103.81
Total	•••		149	175,561	٥	٥	113,830	11	0	64.83
Invercargill Section	***		153	56,494	3	2	35,837	18	6	63.43
Invercargill-Bluff Branch	h		17	9,184		4	5,956		0	64.86
Riverton Branch	•••		29	7,274	10	3	7,000	14	9	96.23
Tapanui Branch	•••	•••	15	546	6	8	440	10	9	80.63
Total	•••		214	73,499	1	5	49,236	٥	0	66.99
Grand Total			788	630,595	I	9	376,082	II	1	59.64

RETURN No. 8. Comparison of Revenue and Expenditure current and previous Years.

Section.		Revenue.	Expenditure.	Expenditure per cent. of Revenue.	Section.		Revenue.	Expenditure.	Expendi- ture per cent. of Revenue.
1880-81	-12	Months endi	ng 31st Mar	ch.			1 £ s. c	l. £ s. d	.
2000 02.		£ s. d.	0		Hurunui-Bluff		577,360 9	2 409,576 14 7	70.94
Kawakawa		998 0 8		1	Greymouth			5 4,724 2	
Whangarei	• • •	1 2/-	1	64.86	Westport				127.59
Kaipara	•••	698 13 7			Nelson		7,111 6	0 6,029 3 11	
Auckland	•.••	5,536 2 3			Picton			6 4,841 2	
	•••	59,244 0 3	39,989 11 5	67.50					
Napier	•••	29,051 17 3			Total	•••	758,096 8	2 545,478 15 0	71'95
Wellington	•••	35,931 7 8	J-7703 -0 -					010/11-0	1 70
Wanganui	•••	36,440 5 8	10000 0	66.78				1	,
New Plymouth	• • •	9,071 1 5	7,781 6 7	85.78	1877-78 -	-12	Months end	ing 30th Jun	e
Hurunui-Bluff	•••	630,595 1 9	376,082 11 1		!			_	
Greymouth	• • •	10,721 1 6	T2"71 7 7		Kaipara	•••	3,925 3 1		121 40
Westport	•••	6,911 3 2		94.2	Auckland	• • • •	37,321 10	ד ט ייטט ייכר ן	78.06
Nelson	•••	8,453 18 9	6,181 6 4		Napier	•••	25,263 13 1		72.10
Picton	•••	5,801 7 9	4,820 16 8	83,11	Wellington	•••	16,100 3	9 11,718 15 4	72.78
					Wanganui	•••	15,040 19	1 15,015 14 6	99.83
${f Total}$	• • •	836,454 1 8	521,957 14 2	62.40	New Plymouth		4,930 7	3 5,075 3 2	
				i [Hurunui-Bluff		445,989 19	6 303,505 5 11	68 05
1879_80 _	_12 1	Months endir	or 21st Marc	h *	Greymouth	•••	8,763 1	5,738 4 1	65'48
	-12 .		••	. 1	Westport		1,382 16 1	1,749 6 11	126.50
Kaipara		5,298 7 5	5,179 1 1	1 2 2 1	Nelson	•••	6,189 5	5,903 14 4	95.38
Auckland	•••	58,576 12 7	39,760 18 3	1 ' 4	Picton	•••	4,991 6 1	5,074 0 3	
Napier	•••	25,407 8 7						-	j
Wellington		29,769 15 2	26,735 8 5		Total		,569,898 8	3 405,895 14 1	71'22
Wanganui	•••	36,207 5 9							
New Plymouth	•••	6,883 8 10							•
Hurunui-Bluff	•••	575,236 6 3	439,717 16 11	76.44	1876-77	-12	Months end	ing 30th Jun	le.
Greymouth	•••	9,903 15 6	4,735 14 9	47.81	77-:				1
Westport	•••	3,049 13 5	3,688 14 5		Kaipara	***	3,778 4		113.72
Nelson	•••	7,478 I O	6,119 8 10	81.85	Auckland	•••	21,868 3		80'77
Picton		4,762 3 7	4,526 19 6	95.06	Napier	•••	21,374 13 10		· /T
					Wellington	••••	11,518 18		85.89
Total		762,572 18 1	580,016 9 6	76.06	Wanganui-Foxto	i	8,540 r 8	1.17	
					New Plymouth	•••	2,641 19 1		123.81
1878-79	_12	Months endi	ng 20th Inn	ا م	Hurunui-Bluff	•••	378,609 4 10		70'11
	1.2				Greymouth	•••	7,920 11 7		24
Kaipara	•••	4,992 17 4	4,955 18 10	99.50	Westport	•••	†856 12 6	, 00	97:05
Auckland		52,477 18 2	1 70	79.12	Nelson	•••	6,209 13 3		84.42
Napier	•••	27,503 15 8	19,255 19 10		Picton	•••	5,731 4 5	5,165 12 1	90.35
Wellington	•••	30,401 6 5	22,919 11 7	75.39	PT . 3	ľ			
Wanganui	•••	35,171 16 1	22,614 2 7		Total	•••	469,051 7 7	337,445 7 0	71.94
New Plymouth	,,,	6,267 8 5	5,612 7 0	89.55		[·	

^{*}Owing to the change in the financial year ending 1879-80 (only nine months) this statement is made to overlap that for 1878-79, for purposes of comparison. † From 5th August, 1876.

RETURN No. 9.
STATEMENT of REVENUE and Expenditure of each Station for the Year ending 31st March, 1881.

	Hours	Number of	Total	Number of	Goo	ods.	Reve	nue.	Total.
Stations.	Open.	Hands Em- ployed.	Expenditure.	Tickets Issued.	Tons Outwards	Tons Inwards.	Coaching.	Goods,	rotal.
KAIPARA SECTION.	1		£ s. d.				£ s. d.	£ s. d.	£ s. d
Helensville Riverhead	1	3	538 10 0 327 16 0	4,148 4,930		3,366 5,669	928 5 10 752 18 11	3,562 12 6 293 16 1	4,490 18 1,046 15
Totals		7	866 6 o	9,078	9,035	9,035	1,681 4 9	3,856 8 7	5,537 13
AUCKLAND.			2,220 3 5	63,048	21,374	20,229	7,935 0 3	8,136 0 11	16,071 1
Auckland Drury	1	23 I	2,220 3 5 140 0 0	3,942		775	860 5 0	645 9 5	1,505 14
Hamilton	8	r	109 4 0		1	3,002	350 II I 3,380 I9 7	1,987 12 6 321 0 1	2,338 3 3,701 19
Hamilton Junction Huntly	1 0	1 2	116 13 4 125 19 10	5,533 1,960		320 413	485 3 1	447 8 9	932 11 10
Huntly Mercer	1	3	278 I 2	1,763		1,163	761 17 1	1,131 17 10	1,893 14 1
Newmarket	16	3	275 3 11	18,051	-	4,478	1,892 15 4	688 6 10 4,531 15 8	2,581 2 5,796 8
Ngaruawahia	1 0	2	272 10 8 149 0 0	3,535 2,020		5,702 889	1,264 12 10 1,048 9 0	4,531 15 8 1,846 14 7	5,796 8 2,895 3
Ohaupo Onehunga		3	342 16 0	28,509		25,870	2,167 17 10	3,936 10 6	6,104 8
Otahuhu	1 -7	ĭ	116 13 4	7,931	916	1,178	682 17 6 864 9 6	364 16 3	1,047 13
Papakura		1	140 0 0 98 13 2	4,771		779 547	864 9 6 534 4 5	322 8 9 262 1 10	1,186 18 796 6
Papatoitoi Penrose	13	I 2	98 13 2 135 3 3			547 452	338 10 11	199 5 8	537 16
enrose	1	1	6942	668	323	631	501 14 4	334 19 6	836 13 1
Pukekohe	13	3	200 14 8	4,637		1,423	1,347 9 8 847 12 6	1,345 16 5 2,519 9 11	2,693 6 3,367 2
Remuera Le Awamutu	0	1 2	116 13 4 311 19 2	6,042 1,493		348 1,392	847 12 6 912 2 3	2,519 9 11 1,258 3 5	2,170 5
re Awamutu Puakau	13	3	108 10 6	2,320		799	503 8 3	429 13 2	933 1
Whau	1	1	103 6 8	1,485	923	4,267	79 11 4	275 11 10	355 3
Totals		55	5,430 10 7	165,969	69,403	74,657	26,759 11 9	30,985 3 10	57,744 15
NAPIER SECTION.									3,873 11
pit	1 .13	2 6	279 2 3	1,563		1,562 2,016	156 0 2 4,701 14 1	3,717 II 4 2,631 I 6	3,873 11 7,332 15
Napier Forndon	1 î	-	715 16 3 262 6 3	21,233		837	925 2 8	962 6 3	1,887 8 1
Hastings	l'	3	265 12 3		1	1,973	2,135 4 4	1,930 8 5	4,065 12
Boiling-down	ı		27 2 3		325	215	0 0 9	21 I 2 15 2 8	21 1 1 146 7
Pakipaki Te Aute	1 1	I	69 12 3		1 41	63 482	131 4 4 667 14 3	187 16 11	855 11
Kaikora	1 i		157 2 3 254 2 3	3,326		467	707 12 7	337 1 4	1,044 13 1
Waipawa			264 2 3	5,958	547	1,416	1,580 0 7	1,411 19 2	2,991 19 2,266 1 1
Waipukurau			266 6 3	4,301	630	1,052	1,167 13 9 518 7 8	1,098 8 2 577 17 5	2,266 1 1 1,096 5
Fakapau Kopua		2 I	162 2 3 88 12 3	2,389 3,444		355 572	1,101 19 6	1,047 12 4	2,149 11 1
nopua Ormondville	2.1	13	5 99 17 3	767	27	165	160 3 8	222 4 8	382 8
Makatoko	2 ½		2 99 17 3	952	42	245	494 2 1	179 19 7	674 1
Totals		26	3,011 13 6	72,718	11,420	11,420	14,447 0 5	14,340 10 11	28,787 11 .
Wellington Section				. 0			791 4 1	2,190 9 11	2,981 14
Carterton Cross's Creek	1 -	2 2	131 15 9 296 5 7	2,831	3,907	501	791 4 I		-,y~- ** †
Featherston	ì.	3	453 I 4			2,223	1,894 17 1	1,840 6 9	3,735 3 1
reytown	11	1	246 11 9	4,783	3,106	1,708	1,895 15 1	2,179 6 1	4,075 1
Kaitoke		1	82 8 4	^		1,198 3,361	175 6 7 2,115 3 8	36 9 4 262 19 5	211 15 1 2,378 3
Lower Hutt Masterton	1	3 1-4	382 12 0 294 14 1	4,375	1 6,	939	1,600 3 10	1,201 15 6	2,801 19
Petoni	1		146 5 7	7,673		5,676	520 13 3	1,174 8 4	1,695 1
Summit	12	I	132 10 11	66.0	6	 987	 1,072 6 3	 929 13 11	2,002 0
Upper Hutt Wellington		5 12	573 12 7 1,331 11 3	6,643 58,773		907 30,675	8,404 4 11	7,733 15 4	16,138 0
Totals	 	37	4,071 9 2			47,268	18,469 14 9	17,549 4 7	36,018 19
Wanganui Section.								1	
Aramoho	l	1	125 0 0	4,074	5,764	3,356	449 8 5	2,083 3 9	2,532 12
Feilding	12	4	287 4 0	6,908	15,750	1,737	1,503 18 3	7,308 18 4	8,812 16 6,623 10 1
Foxton	,	6	577 3 3			9,015 1,047	2,465 9 3 905 12 7	4,158 1 7 992 15 4	1,898 7 1
Freatford Halcombe		4	218 0 0 279 5 7		1 - 1	648	844 6 2	2,750 14 7	3,595
Marton		2	230 0 0			3,456	1,560 10 10	1,701 13 11	3,262 4
Palmerston	14	4	342 8 9	7,127	5,581	2,296	1,933 19 4	3,357 3 3	5,291 2 1,653 8
Furakina	i	2	163 4 0			1,478 4,963	872 13 0 910 7 5	780 15 5 3,305 13 8	1,653 8 4,216 1
Waitotara Wanganui		12	1,053 4 2		1 1	2	5,250 11 9	9,039 1 11	14,289 13
Totals		39	3,505 9 9			44,520	16,696 17 0	35,478 1 9	52,174 18

RETURN No. 9—continued.

STATEMENT of REVENUE and EXPENDITURE of each STATION for the Year ending 31st March, 1881—continued.

	Hours	Number of	Total	Number of	Goo	ods.	Reve	nue.	
Stations.	Open.	Hands Em- ployed.	Expenditure,	Tickets Issued.	Tons Outwards	Tons Inwards.	Coaching.	Goods.	Total,
NEW PLYMOUTH SEC-									
New Plymouth	131	3	£ s. d.	7,073	7	3,158	£ s. d. 1,126 13 3	£ s. d.	£ s. d.
Inglewood	$11\frac{1}{2}$	2	202 19 3	9,670		1,763	1,126 13 3 1,126 1 11	1,597 3 10 609 15 3	2,723 17 1 1,735 17 2
Stratford Waitara	10 12	1 2	95 2 9	7,649	- 1	2,722	1,492 3 8	487 4 11	1,979 8 7
	12		272 19 6	3,140	4,030	650	680 3 o	1,199 15 6	1,879 18 6
Totals	<u> </u>	8	993 3 4	27,532	7,064	8,293	4,425 1 10	3,893 19 6	8,319 1 4
GREYMOUTH SECTION.				1					
Greymouth	11	12	1,335 0 0	11,468	2,168	46,711	1,023 17 5	3,410 0 0	4,433 17 5
Flags Brunner		3	417 0 0	2,154 9,336	371 46,372	155 2,044	155 2 2 908 15 4	258 9 5 4,964 17 2	413 11 7 5.873 12 6
m . 1									57 10
		15	1,752 0 0	22,958	48,911	48,911	2,087 14 11	8,633 6 7	10,721 1 6
WESTPORT SECTION. Westport	10	3	486 10 3	10,589	16,	264	728 4 2	2,411 18 9	3,140 2 11
Nelson Section.									3,
Nelson	9	5	434 15 1	16,423	1,265	5,717	1,779 15 0	1,346 14 10	3.126 9 10
Richmond Wakefield	9	1	90 0 9	6 ,686	713	1,318	562 3 9	324 7 7	886 11 4
Foxhill	10	3	127 14 10 389 2 6	4,044 3,360	2,904 3,091	464 745	541 16 1 1,024 10 2	167 2 7 181 3 3	708 18 8 1,205 13 5
Port	9	"	820 2 8		₹ 1,553	553	1 4 6	257 11 10	
Wharf		15	3 039 2 0		2,737	8,557		1,668 4 10	5 1,927 11 2
Totals		25	1,880 15 10	34,513	12,263	17,354	3,909 9 6	3,945 14 11	7, 8 55 4 5
PICTON SECTION. Picton			0 0		0		-0. 0		
Koromiko	14	4	444 8 8	5,293 9,345		4,507 2,020	987 8 4 695 14 11	593 14 2 1,323 8 9	1,581 2 6 2,019 3 8
Blenheim	10	2	268 2 11	5,610		3,613	828 7 4	1,441 8 5	2,269 15 9
Totals		6	712 11 7	20,248	11,942	10,140	2,511 10 7	3,358 11 4	5,870 1 11
HURUNUI-BLUFF SEC-								The second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the section of the second section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of	
Amberley	12	3	474 15 1	12,810		7,088	2,751 5 7 320 4 6	2,695 8 2	5,446 13 9
Balcairn Sefton	Closed		59 5 8 166 12 9	1,615 3,645		663		248 12 0	
Ashley	Closed	1	47 12 10	1,243		1,418 438	567 0 6 145 14 7	1,003 10 2	1,570 10 8 354 0 5
Rangiora	101	5	16 6 0 692 2 7	} 16,466	1)	6,989	2,818 16 0	2,469 6 8	5,288 2 8
Southbrook	103	1	692 2 7	2,663	1 1	1,891	345 16 2	480 6 2	826 2 4
Kaiapoi	112	6	841 12 3	16,617	19,590	8,704	2,191 12 7	5,394 18 9	7,586 11 4
Belfast Styx	Closed		19 5 6 208 11 4	378 2,198		100 1,863	30 7 0 124 14 7	137 7 3 1,727 8 10	
Papanui	$12\frac{3}{4}$	2	274 8 8	9,171	3,741	2,473	1,464 19 4	918 3 10	1,852 3 5 2,383 3 2
Riccarton Addington	13½ 15½	1	141 5 8 901 3 6	966	0.02	5,070	189 3 10	705 19 11	895 3 9
Christchurch (C)	152	40	901 3 6 5,684 15 8	7,429 174,492		20,358	1,704 5 9 39,883 1 1	3,290 8 9	4,994 14 6 39,883 1 1
,, (Goods)	144		9,055 13 1	•••	47,985	147,452		19,955 18 5	19,955 18 5
Opawa (Account)	141/2	І	139 15 2	1,652 14,069			508 15 4 597 16 7	•••	508 15 4 597 16 7
Heathcote	144		615 11 2	11,652	10,068	10,885	556 18 4	1,410 17 4	1,967 15 8
Lyttelton (Wharves)	142	96	20,237 2 6	73,968 	228,590 17,445	169,099 83,979	5,978 4 8	43,400 10 11 825 8 10	49,378 15 7 825 8 10
Hornby	144	4	489 17 9	4,988	6,487	1,188	887 15 5	893 11 11	1,781 7 4
Templeton Rolleston	134		172 11 8 417 7 2	2,882	3,014	871	360 2 10	695 14 5	1,055 17 3
Burnham	122	3	417 7 2 156 11 5	5,171 1,774	3,631 2,357	615	1,267 5 10 359 11 4	1,167 18 2 745 4 11	2,435 4 0 1,104 16 3
Selwyn	124		225 5 0	1,831	2,341	322	375 7 1	933 11 6	1,308 18 7
Dunsandel Rakaia	12 113/4	6	283 4 10 780 9 7	4,414 8,612		1,383 5,991	1,197 9 2 2,915 18 4	2,143 12 3 8,285 16 7	3,341 1 5
Chertsey	121	2	385 1 11	3,018	9,120	1,507	820 5 0	4,741 16 4	11,201 14 11 5,562 1 4
Ashburton Tinwald	142		2,274 17 9	19,904 1,776	16,678 4,912	13,944		10,441 9 2	18,075 15 4
Winslow	123	1	189 5 8	1,766	3,014	1,139 1,208	149 11 11 339 14 6	2,944 8 5 2,278 14 6	3,094 0 4 2,618 9 0
Hinds Ealing	113 11	1 1	168 0 6 97 13 0	1,365	1,980	717	300 14 0	1,421 2 0	1,721 16 0
Woodbridge	104		97 13 0 226 3 6	722 2,061	376 3,286	219 635	188 9 1 567 0 9	303 3 7 2,167 10 5	491 12 8 2,734 11 2
Orari Winchester	114		267 9 4	5,463	2,803	1,230	1,687 15 9	1,730 3 9	3,417 19 6
Wanchester Temuka	112	3	270 9 11 390 4 8	5,394 13,664		1,097 4,014	976 8 5 3,019 14 10	2,613 16 5 3,967 11 8	3,590 4 10
Cust	12	1	167 16 7	2,358		1,138	506 11 4	3,967 II 8 669 9 8	6,987 6 6 1,176 1 0
Carried forward		272	46,868 5 5	438,197	460,942	506,330	83,732 18 2	133,017 7 6	216,750 5 8
	·	}	metal re		1 1				

RETURN No. 9—continued.

Statement of Revenue and Expenditure of each Station for the Year ending 31st March, 1881—continued.

				con	tinued.				
	Hours	Nnmber of	Total	Number	Goo	ods.	Rev	enue.	
Stations.	Open.	Hands Em- ployed.	Expenditure.	Tickets Issued.	Tons Outwards.	Tons Inwards.	Coaching.	Goods.	Total.
HURUNUI-BLUFF SECTION—continued. Brought forward Bennett's Oxford East Oxford West Prebbleton Lincoln Springston Ellesmere Doyleston Este son Southbridge Aylesbury Kirwee Darfield Sheffield Springfield Coalgate Washdyke Timaru St. Andrews Otaio	13 1344 1344 10 944 9584 10 10 10 10 10 10 10 11 12 13 13 13 13 11 10 11 10	272 1 3 1 1 1 1 2 3 	£ s. d 46,868 5 ! 125 5 6 126 11 / 189 5 11 200 3 / 136 12 6 281 0 10 450 3 10 450 3 10 451 14 11 471 9 / 205 11 14 11 471 9 / 205 11 15 3 387 15 8 181 18 16 115 3 4 3,026 12 6 249 3 11 124 4 11	438,197 1,678 2,838 8,417 2,859 4,502 1,871 2,410 3,024 3,664 5,210 245 2,460 5,925 2,460 2,674 4,190 2,674 4,190 2,674 4,190 6,188 1,492	460,942 1,068 1,604 8,968 3,864 4,530 1,681 2,924 3,471 2,974 4,664 1,413 3,208 12,216 3,799 3,101 1,511 773 14,283 6,643 3,250	506,330 278 486 656 581 4,335,	£ s. d. 83,732 18 2 265 16 10 737 18 4 1,170 11 4 291 3 4 547 8 6 284 14 4 513 16 3 630 11 4 825 6 0 1,215 7 11 45 2 10 536 9 10 1,607 6 1 735 19 1,607 6 1 735 19 1,142 0 8 812 3 8 297 3 11 14,220 11 8 1,044 5 11 213 15 8	479 17 0 2,715 4 5 889 17 7 1,225 12 3 542 9 5 1,085 5 5 1,449 19 9 1,400 0 8 2,424 18 9	783 16 4 1,217 15 4 3,885 15 9 1,181 0 11 1,773 0 9 827 3 9 1,599 1 8 2,080 11 1 2,225 6 8 3,640 6 8 530 19 5 1,745 2 1 5,907 14 8 2,031 11 7 2,392 13 0 1,931 11 2 684 4 3 20,870 12 9 4,331 19 3 1,246 11 10
Waitaki North Pukeuri Junction Oamaru Breakwater Waiareka Junction Maheno Herbert Hampden Hillgrove Shag Point Junction Pleasant Point	10 $\frac{1}{2}$ 10 Closed 11 $\frac{3}{4}$ 13 $\frac{1}{4}$ 12 $\frac{1}{2}$ 12 12 10 $\frac{1}{2}$ 11 11 $\frac{1}{2}$ 11 Closed 11 Closed 10 Closed 10 Closed 10 Closed 10 Closed 10 Closed 10 Closed 10 Closed 10 Closed 10 Closed 10 Closed 10 Closed 10 Closed 10 Closed 10 Closed 10 Closed 10 Closed 10 Closed 10 Closed 10 Closed 10 Closed 10 Closed 10 Closed 10 Closed 10 Closed 10 Closed 10 Closed 10 Closed 10 Closed 10 Closed 11 Closed 11 Closed 11 Closed 11 Closed 11 Closed 11 Closed 11 Closed 11 Closed 11 Closed 11 Closed 11 Closed 11 Closed 11 Closed 11 Closed 11 Closed 11 Closed 11 Closed 11 Closed 11 Closed 11 Closed 11 Closed 11 Closed 11 Closed 12 Closed 11 Closed 12 Closed 12 Closed 11 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Closed 12 Close	1 2 4 1 2 2 2 1 1 1 1 1 1	177 0 10 239 6 7 70 9 8 447 17 6 157 18 5 4,515 13 10 237 2 3 296 4 9 186 2 5 160 10 7 135 9 9 141 8 10 205 5 8	2,625 334 1,508 4,188 53,476 243 864 5,683 3,605 2,486 1,733 2,257 7,423	1,829 971 4,846 7,634 37,279 19,067 10,368 9,903 3,224 2,197 12,925 8,548	1,295 612 166 1,292 1,541 57,349 31,669 2,834 1,383 402 313 1,048 2,045	727 5 0 439 7 9 60 18 3 267 3 2 511 14 10 13,356 4 1 6 3 6 86 3 0 1,073 0 10 725 12 1 609 4 6 397 6 2 439 11 3 1,003 16 3	3,174 6 0	
Waikouaiti Waitaki Port Chalmers Upper Glendermid Port Chalmers Burke's Ravensbourne Pelichet Bay Dunedin (coach) (goods) Caversham	Closed 10 103 9 133 Closed 12 11 10 16 16 13 10 16 193 17	2 5 1 1 7 2 1 1 2 1 6 1 1 2 2 4 4 4 5 2 2 2 2	30 7 2 2 5 2 4 8 5 2 5 2 4 8 6 2 5 1 5 8 6 2 5 1 5 8 6 2 6 2 6 2 6 2 6 2 6 2 6 2 6 2 6 2 6	4,525 9,004 3,459 3,303 14,269 1,150 4,651 7,079 9,522 6,427 46,474 3,151 17,870 19,552 142,802 	734 3,265 4,368 754 269 65,801 45 39 624 47,448	62 3,432 3,203 5,537 1,102 8,196 274 3,495 2,645 31,266 61 1,227 8,765 154,453 6,286	55 10 2 1,307 7 3 3,132 15 7 1,087 17 5 571 13 0 3,523 7 5 234 4 9 1,265 17 4 1,197 5 5 1,463 15 8 560 5 8 4,386 19 11 200 11 200 11 202 4 6 2,259 7 11 40,873 0 8	15,631 19 7 12 11 2 10 2 8 105 0 1 31,751 0 6 62 8 2	4,693 2 7 7,682 18 10 3,215 1 0 2,334 19 6 6,920 7 6 564 18 9 2,534 11 5 2,176 11 10 1,561 19 6 202 12 1 20,018 19 6 222 12 1 938 7 2 2,364 8 0 40,873 0 8 31,751 0 6
Lovell's Flat Stirling Balclutha Waitapeka Warepa Clinton Green Island Outram Mount Stuart Manuka Waitahuna	17 15 15 15 11 10 10 10 13 13 13 13 12 Closed Closed Closed Closed Closed Closed Closed	5 3 	120 2 6 393 10 3 487 11 8 221 3 5 232 13 11 164 19 6 433 6 10 206 8 2 33 14 4 417 3 2 591 4 8 116 11 11 38 9 0 712 15 9 48 17 0 42 17 6 11 13 5 524 19 12	14,391 19,186 7,594 3,452 2,471 10,419 2,461 199 4,975 7,809 3,68 257 13,969 118 13,391 045 490 5,250	1,788 800 3,162 5,796 2,610 749 28,267 1,617 1,167 401 1,146 8,688 2,164 56 67	1,271 4,267 767 1,469 2,385 5,408 220 40 1,497 4,086 695 188 2,625 3,850 5,458 128	1,597 6 3 99 17 5 61 2 824 18 0	3,302 4 2 1,754 18 11 767 12 2 301 15 4 1,385 8 8 3,021 17 8 787 19 10 8,717 10 10 1,475 12 7 827 6 8 268 19 11 1,191 19 9 1,050 11 10 953 6 11 34 15 3 26 3 6 805 4 8	4,408 4 8 4,124 3 4 2,037 1 9 1,070 18 6 1,810 3 10 5,826 6 7 1,319 3 11 217 11 3 9,891 14 11 3,978 11 8 955 4 1 322 8 10 3,642 19 10 1,056 9 5 2,550 13 2 134 12 8 87 8 7 1,630 2 8
Carried forward		5 551	768 17 88,605 15	11,141			216,362 5 10		

RETURN No. 9—continued.

STATEMENT OF REVENUE and EXPENDITURE of each STATION for the Year ending 31st March, 1881—continued.

	· · · · · · · · · · · · · · · · · · ·	L	1											_	1		_
	Hours	Number of	то	to I		Number of	Goo	ods.			Reve	nue.					
Stations.	Open.	Hands Em- ployed.	Expend		e.	Tickets Issued.	Tons Outwards,	Tons Inwards.	Coach	ing.		Goo	ds.		Tota	al.	٠
HURUNUI-BLUFF SEC-																	
TION—continued.		1	£	s.	d.				£	s.	d.	£	s.	d.	£	s.	d
Brought forward		551	88,605	15	4	1,065,801	943,492	956,837	216,362	5	10	300,653	9	1	517,015	14	. 1
Waipahi	13	3	425	5	8 i	4,443	3,033	1,835			6			7	3,573		. :
Gore	122	4	482	1	3	6,919	3,088	4,380		6	1	2,302	7	.5	5,024		
Mataura	91/2	I	291	15	8	3,699	1,936		1,066		8	1,008	16	7	2,075	7	
Edendale	$9^{\frac{1}{2}}$	3	387	9	5	5,682	2,510	2,682	1,528	I 2	5	2,330	10	ò	3,859	2	
Woodlands	11	2	268	4	9	5,099	11,681	3,998	1,006	15	2	6,778	16	6	7,785	1 I	8
Invercargill	13½	23	3,484	9	9	67,079	23,704		14,977	1	4	12,574		8		12	
Bluff	9	5	975	15	3	11,248	25,072	16,609	1,580	4	8	4,576	6	8	-,-,-	11	
", Wharf	•••		٠.		Ì	•••	1,207	5,015			- 1	83	1	6	83	I	€
Makarewa	11	I	190	4	0	3,407	15,622	2,460		10	3	3,463		0	3,953	3	
Winton	$9^{\frac{1}{2}}$	2	330	11	7	7,437	5,201	1,673			9	2,801	11	7	4,177	9	- 4
Oreti	12	τ	113	19	2	1,226	1,121	944	333	16	7	390	o	6		17	1
Elbow	132	3	361	3	10	11,221	1,707	4,369			9	1,481	6	9			(
Kingston	11	2	226	1	3	3,034	1,015	2,701	1,236	4	2	1,010	3	3			:
Tapanui }	9	3	151	8	8	{ 1,287	519	336		6	3	559	9	9	1,054		
Kelso 5				-	- 1	37	192	122			4	184	4	II	199		
Thornbury	$11\frac{1}{4}$		299	3	8	5,433	3,756	2,180		13	7	1,014	5	2	1,701		
Riverton	11	3	421	13	7	17,074	1,586	2,196		6	9	866	3	5	3,359		
Otautau	121	1	398	7	6	5,720	1,691	2,905	1,045	10	5	815	18	6	1,861	ō	I
Rakaia R. & A. F.	12	I		•	1	• • •		,					•			٠ _	
Methven & Railway	154	2				•••	5,767	5,767		19	7	2,706	10	3			10
Waimea Plains Railway	•••	•••	72	0	0	1,312	2,888	2,888	1,663	13	8	2,785	17	2	4,449	10	10
Totals		613	97,485	10	4	1,227,158	1,056,788	1,056,792	252,483	5	9	350,679	16	3	603,163	2	

RETURN No. 10. STATEMENT of CARRIAGE and WAGON STOCK for the Year ending 31st March, 1881.

$oldsymbol{D}$ escription.	Whangarei.	Kaipara.	Auckland,	Napier,	Wellington.	Wanganui.	New Plymouth.	Hurunui-Bluff.	Greymouth.	Westport,	Nelson,	Picton,	Total,
rst class, 6-wheel " 4 " A " A " A " A A " A A A A A A A A		I 2 3 2 12 4 I I O 4	6 7 8 4 16 9 3 9 1 28 42 24 10 353 84 50	1 2	1 3	2 4 12 6 11 5 13 48 27 7 30 102 180	I	25 10 4 6 61 15 6 62 35 2 4 6 72 172 120 31 292 2,189 955 170 30 100		I	2 1 2 2 2 2	I 2	35 32 46 98 45 66 105 76 2 4 1 66 49 76 2 38 6 39 55 38 2,625 1,464 37 3 4 3 3 100
Totals	17	38	459	222	332	447	42	4,369	127	84	37	45	6,219

RETURN No. 11.
STATEMENT of LOCOMOTIVE STOCK for the Year ending 31st March, 1881.

Class.		Cyli	nder.	Co W	oupled /heels.	Tru	ick.	arei.	ıd.		ton	nui.	New Plymouth.	Hurunui-Bluff,	uth.	rt.			ngines.
		Dia- meter.	Stroke.	No.	Dia- meter.	Wheels,	Dia- meter.	Whangarei.	Auckland,	Napier,	Wellington	Wanganui,	New Pi	Hurunu	Greymouth.	Westport.	Nelson.	Picton.	Total Engines.
Fell	•••	In. { 14 }	In. 16	4	Ft. in.		In				4		.,.						4
Double Fairlie	E E	10	18	8 8	3 3 3									2 2		•••		1 1	5 2
Single Fairlie	B R	9 124	16 16	8	3 3				1	:::	3			7	 I	t t		1	2 18
American	Т К	15 12	18	8 4	3 0	2 2	25 26	-	1					6 8					6 8
,,	L J	10½ 14	18	4 6	3 0	2 2	24 24				4	1		1 20		1 1	i I		10 20
	D C	$9^{\frac{1}{2}}$	18	4 4	3 0	2 2	18 18	2		3	4 2		3	7 2	2	2	3	1 2	20 17
	G F	101	18	4 6	3 0	4	20							4 20		٠			4 20
	М Р	13	20	6	3 6							•••		4 2				t I	4 2
	Ö A	101/2	18	6	3 0		:::	2	. 9	4		6		16					37
Dalain Ashbumban	S	8	20	4 4	2 6									13					15
Rakaia - Ashburton Company	Forks	11	18	4	4 0	2	30	.						2					2
Totals								2 2	16	9	17	15	7	118	3	2	3	3	197

RETURN No. 12.
STATEMENT of WEIGHING MACHINES for the Year ending 31st March, 1881.

D	escription.	Whangarei,	Kaipara.	Auckland.	Napier,	Wellington,	Wanganui.	New Plymouth.	Hurunui-Bluff,	Greymouth.	Westport.	Nelson,	Picton.	Total.
2 cwt. 2\frac{1}{2} \tau \tau \tau \tau \tau \tau \tau \tau				1 8 24 5			3 1 6 4 2 5 1 2 3 3 3 3 3		1 1 1 6 9 20 3 14 4 1 30 23 4 1 1 13 11 1 3 2 2 150	4		2 4	4	4 1 1 31 433 446 3 18 2 100 1 1 44 23 5 5 1 1 24 12 2 2 1 1 286

RETURN No. 13.
STATEMENT OF WEIGHBRIDGES for the Year ending 31st March, 1881.

	Descr	ription.		Whangarei.	Kaipara.	Auckland.	Napier,	Wellington,	Wanganui.	New Plymouth	Hurunui-Bluff	Greymouth.	Westport.	Nelson,	Picton.	Total.
	/00 mt)								 		[
3-ton	(cart)	•••	•••	***		•••	•••	1		••••	***	•••	•••	•••	***	I
8	"	•••			•••			•••			I			* ***	•••	1
10	,,			•••	•••	3		***			2	•••				5
10-ton	(wago	m)				1			·		r					2
12	,,						Í				2	1	1		2	7
14	"	•••	•••	•••		•••		•••		•••	5	***	***			5
	Tota	als		•••		4	1	ı			11	I	1		2	21

RETURN No. 14.
Statement of Traversers and Turntables for the Year ending 31st March, 1881.

	Description	on.		Whangarei.	Kaipara.	Auckiand.	Napier.	Wellington.	Wanganui,	New Plymouth.	Hurunui-Bluff,	Greymouth,	Westport.	Nelson.	Picton.	Total.
Traversers	•••	•••				1		1			6	I	1			
Turntables,— 40-feet (engi 50-feet ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			•••		I	 3 	 7	 3	 1 2	 I 	2 6 1 24 12 2	 I	 I	 I	 I	2 6 2 1 28 28 1 2
ŋ	lotals	•••	•••		1	3	7	3	3	2	47	I	I	1	I	70

RETURN No. 15. STATEMENT of CRANES for the Year ending 31st March, 1881.

		Descr	iption,		Whangarei.	Kaipara.	Auckland.	Napier,	Wellington,	Wanganui.	New Plymouth.	Hurunui-Bluff.	Greymouth.	Westport.	Nelson,	Picton.	Total,
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ton,	stationary, "" travelling. "" "" "" "" "" "" "" "" ""	", steam, hand ", ", steam", ", ", ", ", ", ", ", ", ", ", ", ", "	 			3 i 3 i		3 2	6	 	1 44 44 37 7 2	2	 1 	2 2 1 	2 	6 21 7 3 7 3 2 1 9 13 1 3 6 1 2 85

RETURN No. 16.
STATEMENT of PUMPs for the Year ending 31st March, 1881.

	Description.		arei.	ď	nd.		gton.	nui.	Plymouth.	ui-Bluff.	mouth.	rt.			
· · · · · · · · · · · · · · · · · · ·			Whangarei	Kaipara.	Auckland.	Napier,	Wellington.	Wanganui	New P	Hurun	Greymo	Westport.	Nelson,	Picton,	Total.
Steam Hand Wind-mill Hot-air Hydraulic	 	***	 	3 	18 	5 :: ::	 7 	8 4	4 5	5 71 9 3	4	•••	 3 	3 	7 126 9 3
	Totals	***	 	4	19	5	7	13	9	88	4		3	3	155

RETURN No. 17.
STATEMENT of RAILS RELAID for the Year ending 31st March, 1881.

	Weigh	t.		Whangarei	Kaipara.	Auckland,	Napier.	Wellington.	Wanganui.	New Plymouth.	Hurunui-Bluff.	Greymouth.	Westport.	Nelson.	Picton.	Total,
.0.11.					[1			-		
28 lb.	***	•••	•••	•••	•••		•••	•••	•••			•••	•••	•••	•••	
30 ,,	***	•••	•••	•••			***		•••			•••		•••	•••	
40 ,,	•••	***	•••		114	302	• • •	244	II	7	•••	40	9	11	14	752
40 ,, steel	•••	•••			,									•••		
52 ,,			•••			48			10					•••	•••	58
53 ,, steel								918			1,545			•••	,	2,463
56 ,,	•••	•••		•••		38	•••			•••		•••		•••	•••	38
	Totals				114	388		1,162	21	7	1,545	40	9	11	14	3,311

RETURN No. 18.
STATEMENT of SLEEPERS RELAID for the Year ending 31st March, 1881.

Description.		Whangarei.	Kaipara.	Auckland.	Napier.	Wellington.	Wanganui,	New Plymouth.	Huranui-Bluff.	Greymouth.	Westport.	Nelson.	Picton,	Total,
Black pine Totara Black birch Redwood Oregon Kanri Blue gum Jarrah Red pine Puriri			697 	 1,143 278		 550 	1,581		31,493 8,655 3,741 12 34 425 18,981 5,140 35	25	 43 	321 62 	504	31,814 10,236 4,925 12 34 2,265 18,981 5,140 576 278
Totals	***		697	1,421	•••	550	1,581	541	68,516	25	43	383	504	74,261

RETURN No. 19.
RETURN of Number of Stations and Sidings on each Section.

a .			2.51	No. of Stations and Stopping-	N	o. of Private Sidings	•
Sect	ion.		Miles.	places on the Time-tables.	At Stations.	Out of Stations.	Total.
Whangarei		***	5	4			
Kaipara	***	•••	17	7	ľ	1	2
Luckland	•••	••• [115	45	. 7	3	10
Napier		•••	70	13	3	2	5
Wellington	•••	•••)	69	28	1	4	5
Wanganui	•••		115	39	II	3	14
New Plymouth	***	•••	41	15	1	2	3
Hurunui-Bluff			788	287	86	45	131
I reymouth	•••		8	5		1	ľ
Westport		j	10	. 5	***		
Nelson			20	10	•••		•••
Picton	***		19	9	3		3
Total	s		1,277	467	113	61	174

RETURN No. 20. Particulars of Private Sidings and Sheds, showing Value of Traffic done during Twelve Months ending 31st December, 1880.

Section.		Descripti	on.	Name.		Nearest Station and Distance.	Value of Trai
		G: 3'		Cilen		A. Amalia I	£ s.
Auckland	•••	Siding	•••	XX7 X XV 1 1 ()-		At Auckland Io chains, Otahuhu	No return
				I D		At Onehunga	189 19
				Laborator and Co	., ,,,	At Otahuhu	23 16
				R. Lamb		15 chains, Ngaruawahia	370 0
						At Meremere	410 1
					••	At Auckland	1,011 5
				D. Contrace		63 chains, Drury At Ellerslie	151 15 Nil.
				Oliver and Dunne		At Ellershe At Waipapa	Nil.
		Store site		famous and Danner	., .,,	At Mount Eden	No return.
		Siding		N.C. V 37		20 chains, Helensville	750 3
apier	•••	Siding				At Waipawa	122 14
				l		1.57 chains, Takapau	918 14
						15 chains, Kopua	No return
				Gasworks Co		At Napier At Spit	,,,
ellington		Siding		Manager and Dakingan		1'51 chains, Upper Hutt	Closed.
cimpton (iii			•••	W C-1-		2.34 ", ", …	395 13
				C. Lett		1'44 ,, Kaitoke ,	112 18
						At Featherston	2,473 0
		a				1.9 chains, Matarawa	675 7
anganui	•••	Siding	•••	York and Cornfoot .		At Wanganui	892 3
				Pollock and Young . W. H. Lash		40 chains, Aramoho Halcombe	59 18 57 5
				TT 1		At Swanson's	57 5
		ı		36 1 3 1 44		At Makino	1,157 5
				Manson and Bartholomew		At Feilding ,	1,319 12
				J. and C. Bull		At Aorangi	724 0
				Bayley Bros		At Taonui	1,840 7
				Richter and Co		At Trondheim	I47 5
				McChesney and Baird Gillies and Henderson		At Kelvin Grove	Closed. 266 12
				Richter and Co		At Hokowhitu	527 8
	l			Douglas and Co.		At Oroua Bridge	3-7
7				Moore and Currie .		60 chains, Baker's Crossing	
w Plymouth		Siding		Marnes		27 ,, Tariki Road	91 16
				H. Brown		72 " Inglewood	298 3
* 701 68		0		Broadmore and Co.		At Inglewood	Closed.
runui-Bluff		Siding	•••	Springfield Coal Co		Springfield Addington	Nil.
				J. Anderson P. Cunningham and Co.		T 44 14 om	8,015 4
				D C. 1 . 10		Heathcote	5,697 11
				Totalian Dansunk Co		68 chains, Heathcote	41 12
				Gasworks Co		Christchurch	1,607 17
						,,	162 13
					}	,,	519 7
						,	3,242 6
				W. Montgomery and Co. C. W. Turner		,, ,,,	3,242 6 4,056 9
				J. A. McIlraith	.,	,, ,,	295 19
				TAT II IIammanaa		,,,	1,023 17
				Langdown and Co.		,,,	2,141 12
						,,	1,613 16
						,,	541 6
				T. Goss T. and E. Pavitt .		,,	483 18
				MAC T J.M. A. C.		" ··· ··· ···	2,224 7 Nil.
				Lloyd's		"	1,286 2
				Dyason's		,,	401 15
				McClatchie and McIntosh	•••	,, ,,,	469 13
			i	J. T. Brown		25 chains, Addington	227 3
				TD C		Addington	1,526 9
				Dr. Symes		30 chains, Addington	313 8
	١			A 30 3 C		16 ,, ,,	861 8
				G. King and Co.	7	Addington	1,069 17
				Springfield Coal Co		,,	Nil.
	ļ			W. D. Woods		Riccarton	1,715 9
				New Zealand Produce Co.	•••	Belfast	378 8
				Wilson (Eyreton Branch)		2.74 chains, Kaiapoi	399 17
				Moir and Co		Southbrook East Oxford	571 17
				17 1 10 1	•••	0.0	169 11 906 0
				S. Smart		Hornby Junction	388 7
	l		-	New Zealand Produce Co.		Factory	308 17
	1		Į	Toswill's		Prebbleton	68 6
				Irwell Grain Store Co		1.64 chains, Doyleston	329 16
			İ	White and Co		At Leeston	417 18
	ļ			W. J. G. Bluett and Co		Southbridge	459 2
				Burt and Co W. White and Co		Rangiora	Closed. Nil.
				S. Baily		Trans 1 - 4 o.m.	1
				Toswill's		Kirwee	277 5
				McIlraith's		Glentunnel	1,590 16
				J. B. Sheath		Coalgate	Nil.
	ļ			Bank of New South Wales		Dunsandel	183 8
	1			Saunders Bros , , Jameson Bros		Ashburton	1,189 8
	- 1			Jameson Bros		Ashburton	669 14

RETURN No. 20—continued. PARTICULARS of PRIVATE SIDINGS and SHEDS, &c.

Sec	ction.		Descript	ion.		Name.			Nearest Station and Distance.	Value of Traffic In and Out.
Hurunui-Bl	uff—contd.		Siding	•••	J. Grigg				Winslow ,	£ s. d
Tiulunui-Bi	uii - contea.	` `	ording	•••	J. Beswick		•••		Tinwald	Nil.
					J. Clarke	•••	•••	•••	,,,	1,283 18
		1			Bruce's			•••	Timaru	461 9 6 217 6 8
					Belford's Quinn's	•••	•••		1'71 chains, Otaio	217 6 8 975 13
		Ì			Studholme's		•••		1'36 ,, Hook	264 6
					Rickman's				Waimate	876 15
					Maxwell and		• • •		Racecourse Hill	238 5 11
		ĺ			Craig's Gasworks		•••	•••	Oamaru	602 9 3 32 7 6
		ŀ			Kerr and McC				;; ···· ····	1,287 17 11
		İ			Orr and Meek				,,	980 19 2
		Ţ			Harbour Boar				,,	7,600 14 1
					J. and T. Mee Teschemaker's		•••	• • • •	18 chains, Oamaru	2,090 5 8 1,351 5 6
					N.Z. and A. L				Maheno	1,351 5 6
		1			Anderson's				33 chains, Waikouaiti	239 3 4
					Johnston's				Port Chalmers	6 9 2
					Logan's Point		• • •		31 chains, Pelichet Bay	29 19 4
					Cargill, Gibbs Tomlinson an		•••	Į.	Dunedin	$\begin{cases} & 18 & 6 & 6 \\ & 413 & 16 & 3 \end{cases}$
					McLean Bros.			51		1,520 18
					Findlay and C	o.	•••		25 chains, Dunedin	2,130 11 6
					Martin and W		•••		,, ,, ,,	1,411 4 1
					Henry and Co Reid and Grey		• • • •	-	46 " " …	253 19
					Wilson, Harra				20 ,, Burnside	357 13 11
					N.Z. L. and M	I. A. Co.	•••		Dunedin	1,797 1 0
					Smith and Fot	_	m		I mile 12 chains, Dunedin	125 14 0
		1			W. White Corporation	•••			t mile, Dunedin 53 chains, Dunedin	539 12 10
					Anderson's				The Board of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Cont	808 19
					Guthrie and L	arnach		}	1'12 chains, Dunedin	1 2 6
					Burnside Sale-		• • •		Green Island	592 0
					McGill and Fo Wilson, Harra			•••	6 chains, Burnside 46 ,, Dunedin	220 15 1 548 5
					Runciman's	arid			21 , Green Island	221 2
					Walton Park			,,,	Burnside	799 6
					Calverley's		•••		64 chains, Abbotsford	593 14
		1			Green Island (Freeman's	Joan Co.	•••	***	" . " …	617 I 8 832 I6
		1			Fernhill's	•••			1'24 ", Wingatui	689 11
					Dunedin Corp				Wingatui	No return.
		ļ		i	Hatch	•••	•••		1'38 chains, Kew	,,
					Corporation	•••	•••	•••	o'54 ,, Green Hills o'73 , Woodend	,,
		- 1			Mosgiel Wooll	en Factor	v		o'73 ,, Woodend Mosgiel	113 0
					McGill's	***	•••		Milton	1,618 3
					Duthie's	•••			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	290 6
		1			White's	•••	•••		60 chains, Lovell's Flat	118 5 1
					Nelson's Landell's	•••	***		2'30 , Stirling	Not now used.
		1			Tolcher's				Lawrence	378 7 10
					Angus's		•••	•••	67 chains, Green Hills	698 10
		į			Angus's	Co	•••	•••	o'70 ,, Mataura Woodlands	80 17
					Meat-preservin		•••		Bluff	307 9 963 7
		ļ			Nicholl and T			:::), ···	1,411 19
					Waddel and C	ο.	•••		33	1,133 5
					Martin, Maitla	•			Invercargill	810 14 1
					Green National Mort	gage and	Agend	ev Co.	Timaru	212 16 1,854 0
					F. le Cren (N.)) +++ ++ +	-,004
					and George	Street sid			,,	1,694 18
					Cunningham	and Co.	•••		,,	1,760 5 1
					W. Evans Miles, Archer,	and Co	•••		,,	960 5
					Government L		 ervice		,, ···· ···	1,291 5
					N.Z. and A. L				St. Andrews	840 10
					Clarke and W	right			25 chains, Dunedin	505 3
					Shand's	•••	•••	•••	Shand's Milburn	269 15
					McDonald's Bastings, Lear	ry and Co		•••	C	967 14 186 19
					Angus's		•••		51 chains, Invercargill	56 11
					Dawson's	•••		•••	At One-Tree Point	1,107 7
				1	Brown's	 C-	•••	!	At Woodlands	1,236 16 1
					N.Z. and A. L Eldred's		•••	•••	3.27 chains, Morton Mains 0.47 ,, Wallacetown	465 0 0 Nil.
					Jack's	•••	•••	•••	0'47 ,, Wallacetown 1'25 ,, Wainanawa	625 2
					Shand's Saw-	mills	•••		0'70 ,, Centre Bush	647 7
					McLaughlin's		• • •	•••	0.40 , Greenhills	185 18
					McDonald's M. Instone	•••	•••	•••	Winton Thornbury Junction	90 18 I 449 I2
		j			Invercargill Co	orporation	***	:::	7 chains, Waikiwi	382 16
					Wright's		•••		2'04 chains, Wainawa	No return.
		}	~	i	Invercargill Co			•••	1'13 , Branxholme	,"
Greymouth	•••	1 0	Siding	•••	T. W. Wilson T. H. Dalton		•••	•••	oʻ3 " Kaiata Koromiko	208 0 0 170 12 10
Picton			Siding	***	J. Hornby	•••	•••	•••	Mount Pleasant	324 2
1 Ictor										

RETURN No. 21.

COMPARATIVE STATEMENT of MILEAGE of RAILWAYS OPEN for TRAFFIC and UNDER MAINTENANCE on 31st March, 1880, and 31st March, 1881.

				Mileage Open for Traffic	ben c	Additional Length Opened for Traffic during Year.	d for Traffic during	; Year.		Reduced Mileage		Lengths Closed during Year.	g Year.	Net Addition to Mileage	Net Addition to Mileage		Total Mileage Open for Traffic
	Section.			on 31st March, 1880.	rch,	Line Opened.	Date of Opening.		Length Opened.	Maintenance for whole Period.	d.	Line,	Length.	Open for Traffic.	under Maintenance.		on 31st March, 1881.
				M. chs.					M. chs.	M. chs. Il	lks.		M. chs.	M. chs.	M. cbs. 11	Iks.	M. chs.
Whangarei	:	:	:	:		Whangarei Wharf to Kamo	3rd March, 1881 For coal traffic.		9	0 31 6	67	:	i	4 60	0 31 (49	4 60
Kaipara	E	:	:	15 65		Helensville South to Helens-			30	91 0	o	:	;	0 30	91 0	•	16 15
Auckland	<u> </u>	፥	:	105	52	ville North Ohaupo to Te Awamutu	15th July,		81 9	4 04	• Han	Hamilton Branch	I	7 57	4 0	0	113 29
Nanier				. 3		, TE	zist Dec.,		9 :		0 (;	-		
Wellington	: :	::	: :	4 4		Featherston to Greytown	yen Aug 14th May,		7 67	69 9		: :	: :	24 34	13 62		68 8 64
				dominionals -		Woodside to Masterton Pivites to Wellington Station	1st Nov.,	· :	16	{ e 73 (
Wanganui	:	•	:	94 5	57	Kai-iwi to Waitotara	Sept.,		0	6 40	•	:	:	13	6 40	•	114 52
New Plymouth	3	:	:	32 7	94	Waitotara to Waverley Stratford to Ngaire	23rd March, 1 27th Sept., 1		3 75	62		::	: :	3 0 22	1 65	•	39 26
Humani-Ring							Feb.,	1881	-	31		:	:	2 60	0 31	0 0	
Tari anni anni	:	:	:	754		Waipara Extension	April, Oct.,		6 77	3 27		::	::	/c ::	. : •	<u>~</u>	787 38
;						Tapanui Branch	1st Dec.,	<u> </u>	15 43	:		:	:	15 43	፥	<u> </u>	
Greymouth Westnort	፤	:	:	2 7	٠ و و	:	:		:	:	· · · · · ·	:	:	:	:		2 0
Nelson	: :	: :	:		, č		•		:	: 1		: :	: :	: :	: :		
Picton	: :	: :	: :	16.7		To Blenheim	24th May,	1880	10	0 31	o To	To Opawa Station	71 o	0 73	0 31	0	17 70
ជ	Total	፤	:	1,165 67	17			104	38 4	44 27 6	- 67		1 18	103 20	42 25 (67	1,269 7
		***************************************			-			-	-				-			-	

RETURN No. 22-Comparative Statement of the Number of Employes for Years ending 31st March, 1880, and 31st March, 1881.

Department,		Whangarei.	Kaipara.	Auckland,	Napier.	Wellington.	Wanganui.	New Plymouth.	Harunui-Bluff,	Greymouth.	Westport.	Nelson.	Picton.	Total.
1879-80. General Traffic Maintenance Locomotive Totals	•••		 7 17 3 	76 100 122 298	 30 49 26	 35 50 80	 42 89 46	 31 32 7	 752 1,008 793	14 10 5	 5 8 7	 12 14 8	 8 14 5	40 992 1,391 1,102
1880-81. General Traffic Maintenance Locomotive		 1 4 3	 7 17 3	 75 109 111	 31 50 24	 39 70 70	 44 95 47	 12 38 12	639 912 651	 14 10 5	 5 7 6	12 14 8	8 14 5	33 887 1,340 945
Totals Difference,— Increase Decrease				295 3		14	9	12	351		,			3,205

RETURN No. 23.
STATEMENT of ACCIDENTS for the Year ending 31st March, 1881.

		P	assenger Inji	s Killed	l or	Serva	ints of th Killed o	ne Depa or Injure	rtment	or I	s Killed	_						5457	
Section.		beyon	Causes d their Control.	Misc or W	heir own onduct Vant of ution.	beyor	Causes d their Control,	Misc or W	heir own onduct ant of ition.	at	Crossing Level ssings.	Tresp	passers.	Worl	shops.	Miscel	lancous.	d Killed.	ıl İnjured.
		Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Total	Total
Whangarei	•••											•••							
Kaipara	•••			• • • • • • • • • • • • • • • • • • • •										•••				•••	1
Auckland	•••		•••	1	I		3	1		•••	•••	I	I	• • • •	•••	• • • •	1	3	
Napier	•••		:			• • • • • • • • • • • • • • • • • • • •		***	•••	• • • • • • • • • • • • • • • • • • • •	•••	ĭ	I	•••	•••	•••		I	1 -
Wellington Wanganui	• • •	3	7	I	2		1		I	•••		•••	•••	• • • •	1	•••	•••	4	1
New Plymou	 .+h			-	•			• • • • • • • • • • • • • • • • • • • •	1		I	• • • • • • • • • • • • • • • • • • • •	•••		• • • • • • • • • • • • • • • • • • • •		•••] ~	1 -
Hurunui-Bl	n ff			4	2		1 '''	1	13	2		3	***		•••			10	24
Greymouth				***		:::	4		13			~		···	•••	···			1
Westport	***]]] :::	1												1
Nelson					[I												1
Picton	•••								•••						•••		•••		
Totals	•••	3	7	7	6		9	2	15	2	6	5	2		1		1	19	47

RETURN No. 24.
Showing Proportion of Population to Lines Open.

	Provincial	District.			Inhabitants.	Miles of Railway Open for Traffic on 31st March, 1881.	Number of Inhabitants per Mile of Railway.
Auckland Taranaki	•••				97,962	137	715
Welllington Hawke's Bay	•••	•••	•••	{	92,963	295	315
Marlborough Nelson Westland	•••	•••	•••	$\left\{ \right\}$	50,840	57	892
Canterbury Otago	•••	•••	•••	}	244,599	788	310
	Totals	•••			486,364	1,277	381

RETURN No. 25.

REPORT ON THE ACCIDENT ON THE RIMUTAKA INCLINE, AT THE HORSE-SHOE GULLY.

On Saturday, the 13th September, 1880, the No. 6 South train arrived at Cross's Creek, the foot of the incline, in due course. At Cross's Creek the Fell engine was attached as usual. The train consisted of six vehicles, in the following order: Two 4-wheel composite carriages, one passenger brake-van (ordinary), the Fell engine, two covered goods vans (laden), and one incline brake (with clip-brakes). When the train was about 60 chains from the Summit, at a place where the line crosses a gully in bank, and on a 5-chain curve, a gust of wind struck it, and the two carriages and passenger-brake were instantaneously blown off the line rails and thrown down the embankment at right angles to the rails on the inside of the curve. The train was travelling at the usual speed of about five miles per hour. All the woodwork of the carriage in front was torn from the framing, and carried to the bottom of the gully. The frame turned over with the wheels in the air. The second carriage and the guard's van were blown on to their sides, and were hanging on to the engine-coupling, which was twisted and broken. So great was the strain on the one coupling-chain that was holding all the weight, that when, at a later period, this coupling-chain was cut, it parted with a loud report, and allowed the carriage and van to slide down the bank. The engine was stopped within a few yards; the incline brake was detached from the rear, and run down the incline for help. Before it returned, another gust caught the laden vans behind the engine, and turned them on their sides, breaking the engine-coupling. The formation at this spot was wide enough for the vans to lie; they, therefore, did not go down the gully. Three children were killed; one died afterwards from injuries to the skull; five adults were more or less seriously hurt, and eight more slightly. A searching official inquiry was held, followed by a Coroner's inquest. After a great deal of evidence, the verdict of the jury was that the Railway Department was in no way to blame. Consider

RETURN No. 26. WELLINGTON SECTION.

STATEMENT of Expenditure under Casualties and Improvements, &c., for Year ending 31st March 1881, included in Classified Expenditure.

Description.		Am	oun	t.	Description.		Am	ount.	
Rimutaka slips Damage by floods at 4½ miles Removing wreckage after Rimutaka accid and repairs to stock Expenses, &c., allowed to injured persons Building groins, Hutt River Draining slips Box drain at Summit New box culverts Stone protection for bridges Stone protection, Summit reservoir Protecting slopes	 lent,	£ 314 28 275 430 205 207 25 15 24 8 29	16 13 0 1 3 4 5 8 16	9 0 1 0 0 0 9	Lower Hutt platform, &c. Removing urinal, Kaitoke	attt	. 4 . 25 . 0 . 12 . 12 . 10	7 18 3 19	6 9 0 4 0 8 0 6 8

RETURN No. 27.

EXPERIMENT with COALS, made on the HURUNUI-BLUFF SECTION.

Remarks.	40 cwt. Westport. 300 cwt. Springfield; 30 cwt. Brockley. 80 cwt. Shag Point. 30 cwt. Shag Point; 28 cwt. Homebush. 50 cwt. Kaitangata. 84 cwt. Newcastle; 123 cwt. Kaitangata. 84 cwt. Slag Point. 199 cwt. 147 50 cwt. Westport; 28 cwt. Kaitangata. 12 cwt. Shag Point. 343 cwt. Shag Point. 30 cwt. Homebush. 30 cwt. Homebush: 105 cwt. Wilson's. 270 cwt. Homebush; 105 cwt. Wilson's. 270 cwt. Homebush; 105 cwt. Wilson's. 270 cwt. Homebush; 105 cwt. Shag
Coal.	Springfield. Westport. Lomas Mine. Austin and Kirk Homebush. """ Kaitangata "" Kaitangata "" Nighteaps. Coal Pit Heath Shag Point. Walton Park Neveastle. Shag Point. Waton Park Wastport. Westport. Howebush Springfield Restport.
Run.	Amberley-Ashburton "" Ashburton-Oamaru Oamaru-Clinton "" "" Clinton-Invercargil "" Christelurch-Timaru Christelurch-Ashburton Palmerston-Timaru Christelurch-Ashburton Oanaru-Ashburton Christelurch-Ashburton Christelurch-Ashburton Christelurch-Ashburton Christelurch-Ashburton Christelurch-Ashburton Christelurch-Ashburton Christelurch-Ashburton Christelurch-Oamaru.
Average Tonnage per Train Mile.	183.64 181.42 221.53 72.38 132.31 190.95 752.8 775.28 775.28 775.29 105.94 105.94 71.96 93.06 93.06 93.06 105.34 70.94 70.95 105.98 71.96 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06 93.06
Lbs. per Engine Mile.	25.1777777777777777777777777777777777777
Coal Consumed. Cwts.	1,608 980 980 828 1,800 1,031 2,40 3,320 3,320 3,320 3,421 1,484 1,484 1,484 1,484 1,564 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,756 1,
Train Miles.	2,552 2,728 2,728 2,729 5,299 4 16 5,299 4 16 5,295 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,953 2,95
Engine Miles.	3,899 2,084 3,684 6,356 5,756 6,862 6,862 6,862 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,223 6,241 6,241 6,241 7,240 7,240 7,240 7,240 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,260 7,
Class.	又とよれ女子女子女子などとなるとなるととなるとなるとなるない。
No. of Trial.	1 9 8 4 8 9 0 1 1 1 1 1 1 1 1 1 1 2 1 2 2 2 2 2 2 2
	:::::::::::::::::::::::::::::::::::::::
te.	1881 1880 1881 1881 1881 1881 1880 1880 1880 1880 1880
Date.	March, "" January, "" November, March, "" Sebruary, December, April, January, April, February, May, December, April, April, April, Tebruary, May, May, "" October, March,

RETURN No. 28.

HURUNUI-BLUFF SECTION.

Comparison of Results of Working English and American Locomotives on the Hurunui-Bluff Section, excluding Ballasting and Shunting.

OAMARU-PALMERSTON DIVISION (12 MONTHS).*

Class.	No. of	Cylinder.	Coup	led Wheels.	Truck.	Average Speed Miles	Average Load.	Lon	Cost in Pence per Ton Mile,						
Giass.	Engines.	Суппасі.	No.	Diameter.		per Hour.	Tons.	Miles.	Repairs.	Stores.	Fuel.	Wages.	Total.		
J English T American ,	2 2	14" x 20" 15" x 18"	6 8	3' 6" 3' 0"	2-wheel	15	87	5,046,329 3,865,798		.002	.034 .040	·036	.083 .086		

Palmerston-Clinton Division (5 Months).†

								1	 			
J English T American	3 4	14" x 20" 15" x 18"	6 8	3' 6" 3' 0"	2-wheel	16 10	96 97	2,660,183 2,917,611	 .004 .004	'031 '041	.030 .030	·071

PALMERSTON-CLINTON DIVISION (5 MONTHS).

R Single Fairlie K American	6	12 ¹ / ₁ " x 16" 12" x 20"	6	3' o" 4' o"	2-wheel x 2	14 16	91 75	4,049,190 905,152	_	.004 .002	.033 .049	·035 ·037	'104 '150
		Tracti	ve po	wer per ll	o. of steam	pressu:	re J K	6	3.3 lb.				

^{*} The conditions are in favour of the American engine, the results being about equal. † The American engines were working generally on heavier grades than the English.

Particulars of the Lift and Average Rise of the Divisions on which Locomotives were running.

Length.			Distance.	Greatest Lift.	Total Lift.	Lift per Mile.	Average Lift per Mile.	Sharpest Curves.
			Miles.	Feet.	Feet.	Feet.	Feet.	Chains.
Oamaru-Palmerston Palmerston-Oamaru			$\frac{37^{\frac{1}{2}}}{37^{\frac{1}{2}}}$	308 274	1,114	30 28 4	29 2	9
Palmerston-Dunedin]	403	330	931	23	$23\frac{1}{2}$	$7\frac{1}{2}$
Dunedin-Palmerston Dunedin-Clinton			40½ 73½	371 400	972	24 18 2	_	•
Clinton-Dunedin	• • •		$73^{\frac{1}{2}}$	•••	935	127	15½	15

RETURN No. 29.

AUCKLAND SECTION.

SUMMARY of Locomorive Return for the Year ending 31st March, 1891.

Prevailing Grades 1 in 40.

		Remarks.		Five months laid up.					My Marie V						
ısive	,	Total.		181.	:	:	152	:	፥	154	:	:	104	:	:
Cost per Ton Mile in Pence, exclusive of Ballasting and Shunting.	ing.	Wages.		.048	:	:	.083	:	:	580.	:	:	.055	:	:
lle in Per ig and S	Running	Fuel.		170.	;	:	70.	:	:	.024	:	:	.021	:	:
r Ton Mi Ballastir		Stores.		600.	:	:	600.	:	:	600.	:	:	400.	:	:
Cost pe	Repairs.	Wages and Material.		.053	:	:	980.	:	:	980.	· :	:	.021	:	:
		Total.	ಳು	209	901	:	4,159	982	52	2,449	527	124	1,479	261	:
	ing.	Wages.	ф	223	4	:	2,278	543	29	1,371	962	20	779	138	• ;
Cost.	Running.	Fuel	ಈ	66	11	:	099	156	00	378	8	61	296	27,	· :
		Stores.	ch3	0	1~	:	236	20	n	138	50	. 1-	100	19	`:
	Repairs.	Mages and signature.	સ	244	42	:	985	233	12	562	121	28	205	, r.	· :
		Waste.	Lbs.	244	47	:	2,048	491	21	897	188	42	245	46	:
Stores.	ğ.	Tallow. Waste.	Lbs.	175	38	:	1,417	335	11	269	%	13	332	92	· :
Quantity of Stores.	Running.	Oil.	Qts.	453	100	:	2,605	597	30	1,477	310	94	001,1	200	` ;
Õ		Coal.	Cwts.	4,042	010,1	:	24,527	5,825	306	13,021	2,801	629	12,430		
		Ton Miles.	<u></u>	1,113,889	:	:	6,547,082	:	:	3,778.774	:	:	3,300,604		:
nis	per Tr	Average Tons Mile,		8	:	:	19	:	:	04	· :	:	8	:	:
	Total Engine Mileage.			Train, 12,827	Shunt, 2,302	Ballast	Train, 106,318	Shunt, 25,690	Ballast, 1,098	Train. 62.040		Ballast, 3,095	Train. 42.244	Shunt, 7,316	Ballast
ber	Days in Steam. Average Speed Miles per Hour.			193	`		81			10			103	1	
				142			1,498			022	_		484		
	No. of Engine.			н			•			4	+		8		
	Type.			Я			<u>F</u> =1			T	l		βž		

HURUNUI-BLUFF SECTION. RETURN No. 29,—continued.

RECAPITULATION of SUMMARY of Loco. RETURNS, 31st March, 1881.

Main-line Grades oversailing 1 in 100 and flatter, limiting on portions 1 in 80. Branch Lines 1 in 66 and faster. HURUNUI-OAMARU DIVISION (12 MONTHS).

		Type.	R. S. S. R. S. S. S. S. S. S. S. S. S. S. S. C. C. C. C. C. C. C. C. C. C. C. C. C.	Totals
	Jo evi	Total.	186 104 109 109 109 109 109 135 135	.083
	e, exclusi nting.	Wages.	0077 005 0062 0062 0043 0043 0046 0078	680.
	Ton Mil and Shu	Fuel.	030 023 023 026 028 0237 0237 029	920.
	ence per allasting	Stores.	005 005 005 005 005 005 005 005 005 005	.004
	Cost in Pence per Ton Mile, exclusive of Ballasting and Shunting.	Repairs.	054 013 016 019 008 013 021 023 	410.
l flatter.		Total.	5,296 17 146 8. 4. 462 9. 4482 6. 8. 4. 482 9. 6. 9. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 4482 6. 8. 44	35,405 3 9
Branch Lines I in 66 and flatter	st.	Ballasting.	2.6 S. d. 3.26 6 11 12 14 11 14 11 14 11 14 11 11 14 11 11 11	1,549 12 6
Branch Lane	Cost	Shunting.	3,268 15. d. 220 8 0 4. 613 19 11 15.857 7 2 2 59.3 2 4 15.81 16 11 413 8 2 2 749 12 2 2 2 1 3 6 6 2 2 1 3 6 6 2 2 1 3 6 6 2 2 1 3 6 6 2 2 1 3 6 6 2 2 1 3 6 6 2 2 1 3 6 6 2 2 1 3 6 6 2 2 1 3 6 6 2 2 1 3 6 6 2 2 1 3 6 6 2 2 1 3 6 6 2 2 1 3 6 6 2 2 1 3 6 6 2 2 1 3 6 6 2 2 2 1 3 6 6 2 2 2 1 3 6 6 2 2 2 1 3 6 6 2 2 2 1 3 6 6 2 2 2 1 3 6 6 2 2 2 1 3 6 6 2 2 2 2 4 3 6 6 2 2 2 2 4 3 6 6 2 2 2 2 4 3 6 6 2 2 2 4 3 6 6 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	9,979 12 6
nons 1 m &0.		Train Mileage.	5. S. d. 1,701 15. d. 1,701 15. d. 1,701 15. d. 1,502 17. d. 1,502 18. d. 1,503 18. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12. d. 1,503 12.	23,875 18 9
on bor		Waste.	lbs. 1,700 1,87 1,362 2,162 843 3,618 844 592 11	14,037
umung	cd.	Tallow.	105. 695. 695. 898. 353. 1,726. 335. 167.	6,480
datter,	Stores Consumed	Oil:	94ts. 1,737 2066 1,739 1,739 1,739 2,673 913 547 547 579	18,817
Jo and	Stores	N.S.W. Coal.	282 206 526 885 885 535 1,123 346 145 1145	6,294
7 m 7 Sc		Native Coal.	25,173 2,638 27,918 35,191 21,546 107,935 47,538 17,799 9,682 130 8,493	303,863
з ргетани	ge.	Average Tons per Train Mile.	43.23 67.00 60.92 60.92 83.90 137.26 168.00 55.57	90.53
Main-line Grades prevailing I in 100 and datter, limiting on portions I in	Haulage.	Ton Miles.	2,195,135 113,533 5,818,280 7,304,094 4,890,673 30,580,673 10,570,689 5,775,569 499,197 1,324,232	48,688 1,121,106 68,996,739
TE TE		Total.	157,364 115,867 118,180 118,622 174,352 174,353 174,353 174,353 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174,165 174 174 174 174 174 174 174 174 174 174	1,121,106
	Milcage,	Ballasting.	9,670 6,602 1,563 1,563 10,496 18,598 1260	48,688
	Min	Shunting. Ballasting.	97, 155 7,564 22,209 66,977 17,664 37,666 16,299 16,299 18,936 10,590	310,252
		Train.	50,539 1,701 95,514 120,081 56,133 222,837 144,284 34,402 8,982 	762,166
	Speed Hour.	эвстэчА тэq гэііМ	112 112 113 113 113 115 115 115	:
ļ	h Class.	No. in eac	1 H 400 W W W 4 4 H 4	56
		Type.*	H. S. OKKUGRUCA F. C. &	Totals

OAMARU-PALMERSTON DIVISION (12 MONTHS).

	DDLTL	Totals
	.118 .429 .083 .093	660.
	.067 .046 .036 .046 .033	680.
	.028 .030 .034 .017	980.
	0007	5 00.
	800. 120. 210.	£10.
	27018	-
	802 8 428 15 1,970 18 506 4 1,951 10	5,659 18
	∞ 0 0 40	H
	38 6 80 13 25 4 451 2 379 17	975 5
	80000	<u></u>
	159 10 81 5 192 5 16 10 180 2	629 13
	40040	61
50.	604 11 266 16 1,753 8 38 12 39 10	4,054 19
frades 1 in	355 73 931 196 874	2,429
ဇ	305 648 112 569	1,688
Prevailing	425 104 1,221 165 1,051	2,966
	123 11 411 128 332	1,005
ı	4,746 1,590 22,337 2,682 28,102	59,457
	57.04 80.60 87.30 94.71	18.88
	1,213,308 256,412 5,046,329 99,448 3,865,798	160,665 10,481,295
	28,040 5,112 64,973 13,765 48,775	160,665
	1,340 962 832 12,266 9,494	24,894
	5,573 969 6,338 449 4,502	17,831
	21,127 3,181 57,803 1,050 34,779	117,940
	10 10 15 12	:
	8 = 8 = 8	8
!	DDTIL	Totals

* For description of type see Return No. 11.

RETURN No. 29—continued.

Palmerston-Ceinton Division.—17th October to 31st March, 1881.

Prevailing Grades 1 in 50.

	Type.	Pand S TRAPER Pand S TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER TRAPER	Totals.
re of	Total.	2.819 123 1.132 1.139 1.150 1.150 1.156	£11.
Mile, exclusiv Shunting,	Wages.	0.073 0.075 0.077 0.03 0.03 0.03 0.03 0.03 0.03 0.0	.042
Ton Mile and Shu	Fuel.	0.17 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.0	120.
Pence per Ballasting	Stores.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	000
Cost in Pence per Ton Mile, exclusive of Ballasting and Shunting.	Repairs.	2.608 2.608 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.609 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600 2.600	620.
	<u> </u>	11.77 2 2 1 8 8 3 d. 6 5 5 5 5 5 5 5 5 6 6 6 8 8 5 6 6 6 6 6	01 1
	Total.	25.55 1,25.75 1,25.75 25.55 3,00.39 1,967,12 1,312	10,616
	ting.	8 5 7 7 7 4 H E	11 11
st.	Ballasting.	1 138 13 138 138 138 138 138 138 138 138	11 21 950'1
Cost	ti ga	8. 8. 8. 8. 8. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9.	12 5
	Shunting.		2,351
	Train Mileage.	s 11 8 8 0 4 0 4 4 0 6 12 4 4 12 4 12 4 12 4 12 4 12 4 12 4	9 11
	Train	\$ 28 28 145 193 957 111 793 568 568 568 1,362 1,753 1,763 1,073	7,207
	Waste.	1bs. 60 60 113 125 125 125 120 130 130 130 130 130 130 130 130 130 13	4,069
ned.	Tallow.	1bs. 45 63 62222 1225 227 227 227 243 750 370 348	2,090
Stores Consumed.	Oil.	qts. 67 227 169 790 397 666 327 1909 1,099	6,438
Store	N.S.W.	29 18 18 18 63	323
	Native Coal.	1,157 2,280 12,320 12,320 4,354 11,574 6,251 2,3407 2,3,407 18,331	101,603
• • • • • • • • • • • • • • • • • • • •	Average Tons per Frain Mile.	26.24 26.45 56.28 91.21 55.29 96.55 77.17 75.17 75.17 91.08	82.51
Haulage.	Ton Miles.	69,695 12,380 375,638 1,733,288 2,660,118 2,660,183 905,152 375,499 2,088,666 4,049,190 2,917,611	15,394,420
	Total.	8,315 8,320 2,4340 124,340 13,202 13,202 13,202 13,203 14,703 30,702 30,102	282,095
Mileage.	Ballasting.	48 48 4.3322 	29,889
Z	Shunting. Ballasting	6,88 2,178 10,337 10,125 11,162 11,162 2,523 2,523 2,523 2,523 2,523 2,523 2,523 2,523 2,523	65,638
	Train.	1,423 4683 6,674 19,003 3,746 27,553 12,040 7,957 38,542 44,550 24,612	186,568
S	Average rag sliM	0 4 1 1 1 1 2 2 4 4 1 1 4 0	:
r Class.	No. in each	N H H 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Js 43
	Type.*	ABUMF-WYJOBA ABUMP-WYJOBAH	Totals

CLINTON-INVERCARGILL DIVISION.—17th October to 31st March, 1881.

A O U B H P M O R	Totals.
333 170 190 190 116 077 077 090	260.
240 108 0507 044 057 026 	.042
	140.
013 007 007 0011 000 003 003	500.
210. 210. 2000. 210. 210. 210.	600.
82 0 1 92 0 4 314 5 10 259 12 6 605 9 7 1,656 10 9 356 3 7	4,537 9 4
43 13 11 6 2 11 148 9 10 178 17 7	377 4 3
33 8 6 44 1 0 26 12 8 260 2 4 64 15 4 226 7 11 199 8 7 45 8 8	940 12 6
4 17 8 287 13 2 229 5 0 525 6 7 571 14 3 1,278 4 7 310 14 11	3,219 12 7
30 45 122 106 406 179 	629'1
25 9 9 161 144 119 119 87 7	808
36 40 259 235 241 238 1,043	2,608
125 147 855 960 2,099 2,145 5,537 921	12,789
186 356 1,381 814 5,000 4,317 6,582	20,710
22:52 47:00 64:12 75:40 33:66 102:05 54:04 94:99	74.49
3,514 58,850 757,958 391,717 1,085,378 1,667,740 3,146,003 837,443	7,948,553
2,620 2,730 12,931 6,110 32,236 18,294 58,215	143,241
1,396 182 5,125 6,263	12,966
1,268 1,298 1,093 915 8,979 1,953 6,980	23,575
156 1,250 1,1,838 5,195 18,132 16,341 44,972 8,816	002,901
1112211111	:
нен ка : о н	91
AODEF-ROR	Totals

* For description of type see Return No. 11.

HURUNUI-BLUFF SECTION. RETURN No. 29—continued.

SUMMARY of Locomotive Return for the Year ending 31st March, 1881. Hurding-Oamard Division.

	ve of		Total.	981.	.:.						990.	135
	e, exclusi nting.	ng.	Wages.		.::	090.				.:.	920.	
	Cost in Pence per Ton Mile, exclusive Ballasting and Shunting.	Running	Fuel.	0.000			920.			.: 34	910.	620.
	Pence per Sallasting		Stores.				90 :::	. : :			.: :	. : :
	Cost in	Repairs.	Wages and Material.		. : :		910.	610.		.:. ::		
			Total.	L,701 15 8 3,268 15 4 326 6 1	49 9 5 220 8 0 192 5 II	2,659 17 4 613 19 11 12 14 11	3,329 18 8 1,857 7 2 43 6 11	1,886 13 4 593 2 4 19 11 1	7,627 15 3 1,381 16 11 345 14 3	4,068 18 6 413 8 2	1,583 12 1 749 12 2 19 0 10	281 14 3 594 6 6 583 15 7
		Running.	Wages.	883 4 4 1,697 13 7 169 1 6	30 16 1 137 1 7 119 12 7	1,447 11 1 336 12 3 6 19 4	1,901 1 3 1,060 7 4 24 14 9	875 3 8 275 3 5 9 0 2	3,192 10 10 535 17 10 132 18 5	1,731 8 2 175 18 4	639 12 7 302 6 4 8 0 7	163 6 3 342 3 1 337 5 8
٠	Cost.	Run	Fuel.	£ s. d. 520 11 9 52 0 4	10 17 9 48 13 9 42 8 11	757 I 6 176 13 3 3 12 6	764 0 10 426 3 5 9 19 0	551 13 8 173 7 10 5 13 8	3,024 5 0 510 8 7 142 9 0	1,515 11 3	404 18 8 191 17 11 3 7 8	60 18 4 130 6 2 126 9 8
THE CALL			Stores.	£ s. d. 53 2 9 101 17 2 10 3 2	2 0 2 8 18 10 7 16 1	29 13 4 0 12 2	148 9 0 82 16 0 1 18 8	79 2 10 24 17 6 0 16 4	339 19 0 57 7 4 15 19 5	220 2 02 22 7 3	60 4 5 27 14 4 0 15 10	9 13 9 20 19 5 20 8 11
		Repairs.	Wages and Material,	493 5 6 948 12 10 95 1 I	5 15 5 25 13 10 22 8 4	327 12 11 71 1 1 1 10 11	516 7 7 288 0 5 6 14 6	380 13 2 119 13 7 4 0 11	1,071 0 5 278 3 2 54 7 5	109 I I I I I I I I I I I I I I I I I I I	478 16 5 227 13 7 6 16 9	47 15 11 100 17 10 99 11 4
TOWNS CHARACT			Waste.	Lbs. 546 1,049 105	20 89 78	1,101,256	1,376 767 18	637	2,976 502 140	203	568 269 692	241 241 238
	res.	ng.	Tallow.	Lbs. 223 429 43	4 21 19	553 128 2	572 319 7	266 84 2	1,419 240 66	1,195	219 104 2	32 68
	Stor	Ranning.	Oil.	Ots. 558 1,072 107	22 98 86	1,404 327 7	1,649 920 22	918	3,788 640 179	2,426 247	613 292 8	222 219
			Coal.	Cwts. 8,174 15,716 1,564	306 1,350 1,188	22,991 5,345 118	22,910 12,778 297	16,670 5,239 172	90,592 15,289 4,267	44,154	12,146 5,755 164	1,898 4,000 3,929
		Ton Miles.		2,195,135	113,533	5,818,280	7,304,094	4,809,673	30,586,337	689,015,01	5,775,569	
	ber	Tons.	oygrayA nigtT	43.23		60.09		83.90	137'26	73.26	.::	55.57
		Total Engine Miles.		Train, 50,539 Shunt, 97,155 Ballast, 9,670	Train, 1,701 Shunt, 7,564 Ballast, 6,602	Train, 95,514 Shunt, 22,209 Ballast, 457	Train, 120,081 Shunt, 66,977 Ballast, 1,563	Train, 56,133 Shunt, 17,642 Ballast, 578	Train, 222,837 Shunt, 37,608 Ballast, 10,496	Train, 144,284 Shunt, 14,660 Ballast	Train, 34,402 Shunt, 16,299 Ballast, 464	Train, 8,982 Shunt, 18,936 Ballast, 18,598
	esiiMi l	Speed our,	Ауставе Н тэq	12	12	12	12	12	18	33	6	rc.
	's:		No. of 1	H	H	4	∞	w	13	re.	4	4
		Type.		A	၁	А	14	ტ	-	¥	M	0

RETURN No. 29—continued.

HURUNUI-OAMARU DIVISION-continued.

isive of		Total.	:	:	:	. : :
Cost in Pence per Ton Mile, exclusive of Ballasting and Shunting.	Running.	Wages. Total.	:	:	:	.:.
Pence per Ton Mile, exch Ballasting and Shunting.	Run	Fuel.	:	:	:	
Pence p Ballastir		Stores.	:	:	:	
Cost in	Repairs.	Wages and Material.	:	:	:	600.
		Total.	:	22 13 6	:	686 4 3 264 2 6 6 16 11
-	ing,	Wages,	:	0 6 8	:	392 I 8 150 3 3 3 II 3
Cost.	· Running.	Fuel.	:	4 4 6		202 5 8 78 3 7 1 18 11
		Stores.	:	0 / 1	:	39 1 8 15 12 1 0 16 10
	Repairs.	Wages and Material,	:	8 13 0	:	52 15 3 20 3 7 0 9 11
		Waste.	:	11	:	373 142 3
·sa·	រាខ្លះ	Tallow.	:	9	:	191 73
Stores.	Running.	Oii.	:	6	:	416 159 4
		Coal.	:	130	:	6,125 2,342 58
	Ton Miles.		:	:	:	1,324,232
per	rons Wile.	ogsvevA nisiT	:	:	:	47.81
	Total Engine Miles.		Train	Shunt, 612	Ballast	Train, 27,693 Shunt, 10,590 Ballast, 260
Miles	:			1.5		
•5	-			N		
	Type.					R. & A. Forks Co.

OAMARU-PALMERSTON DIVISION.

811.			980.	
950.	030			
900.				
	991.	800. : :	800:::	
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604 159 38	266 81 80	1,753 192 25	1,391 1 180 379 1	38 16 451
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268 70 17	24 1 4 1	827 92 12	624 80 170	15 7 174
231 60 14	33	577 63 8	406 53 110	o 480
321 84 20	64 19	1,086	750 97 204	13
3,669 968 232	996 304 301	20,237 2,219 292	20,274 2,624 5,535	214 92 2,504
1,213,308	256,412	5,046,329	3,865,798	99,448
57.04	9.08	87.30	Shunt, 4,502 Ballast, 9,494	94.71
:::	:::	Train, 57,803 Shunt, 6,338 Ballast, 832	:::	:::
3 40	4 8	883	Train, 34,779 Shunt, 4,502 Ballast, 9,494	, 99
21,1 5,57 1,3	3,18 969 962	57,8 6,33 832	34,7 4,50 9,4	1,05 449 12;
Train, 21,127 Shunt, 5,573 Ballast, 1,340	in, i nt, (ast,	in, i nt, (in, ¿ nt, , ast,	Train, 1,050 Shunt, 449 Ballast, 12,26
Train, 21,127 Shunt, 5,573 Ballast, 1,340	Train, 3,181 Shunt, 969 Ballast, 962	Tra Shu Ball	Train, 34,779 Shunt, 4,502 Ballast, 9,494	Train, 1,050 Shunt, 449 Ballast, 12,2
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IVISION.	0 16 3 3 17 5 0 0 11	0 16 4 0 12 10	8 12 5 2 16 3 0 1 1
Palmerston-Clinton Division.	1 12 4 7 14 9 0 1 11	134 10 5 101 8 4	12 6 2 0 4 0 4 2 9
ERSTON-	10 49 1	29 ::	74 24 I
PALM	32 6	m n :	151
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	-947 199 11	95	1,709 558 12
		12,380	375,638
	10.24	26.45	56.28
	: : :	: : :	: : :
	Train, 1,423 Shunt, 6,808 Ballast, 84	Train, 468 Shunt, 365 Ballast	Train, 6,674 Shunt, 2,178 Ballast, 48
	01	7	11
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RETURN No. 29—continued.
Patmerston-Clinton Division—continued.

sive of		Total,			 140.		132	951.	:::	 	:::	880.
Cost in Pence per Ton Mile, exclusive Ballasting and Shunting.	ning.	Wages.	740		.::		÷90.	990.	:::		:::	.: :030
r Ton Mi ng and Sh	Running.	Fuel.	. : · o.4.3						:::		:::	140.
Pence per Ballastir		Stores.	900.	900.	. : :	 	900.	900.	:::		:::	.: 500
Cost in	Repairs.	Wages and Material.	920.	110,	900.	650.			: : :		:::	
1		Total,	£ s. d. 957 o o 268 15 5	301 18 7	795 10 8 69 5 5	568 14 4 54 17 10	207 16 4 47 10 3	1,362 6 10 892 16 0 784 4 4	88 14 0	1,763 15 4 202 1 0 2 1 I	15 3 2	1,073. 4 7
	ing.	Wages,	£ s. d. 338 6 4 95 0 4	67 4 10 181 14 10 77 11 7	342 10 6 29 5 9	141 15 6 13 13 8	99 13 9 22 13 9	570 18 9 374 6 4 329 7 0	34 0 0	595 2 10 67 15 5 0 13 10	o 14 9 :::	369 6 1 34 13 4 47 14 5
Cost.	. Running.	Fuel.	£ s. d. 312 12 1 87 15 11	29 4 7 79 0 0 33 14 5	344 8 5 33 10 6	9 7 981 01 91 71 	63 12 7 14 13 11	333 8 10 218 3 5 192 0 10	13 5 7	559 19 8 64 6 3 0 13 1	:::	492 5 1 46 4 0 63 12 0
		Stores.	£ s. d. 45 17 0 12 17 6	5 9 7 14 15 11 6 6 4	4 19 8	19 15 4 1 18 2	10 12 7 2 8 5	55 17 8 37 3 6 31 13 2	I 4 ::	75 18 3 8 14 7 0 1 9	0 14 ::	55 18 4 5 4 11
	Repairs.	Wages and Material.	£ s. d. 250 4 7 73 1 8	9 15 4 26 7 10 11 5 5	59 0 9 5 9 6	220 15 9 21 6 2	33 17 5 7 14 2	400 I 7 263 2 9 231 3 4	04 0	532 14 7 61 4 9 0 12 5	13 14 4	155 15 1 14 12 4 20 2 6
		Waste,	Lbs. 402 113	125 125 54	411 29	184 18	69 ::	295 295 260	61	716 82 1	٠٠ : :	488 46 64
S.	ing.	Tallow.	Lbs. 173 49	26 69 30	207	8 ₇	34 8 8	242 159 139	<u>°</u>	332 38.	::	284 482 727
Stores.	Runni	Oil.	Ots. 616 173	82 221 94	607	298	36.	856 560 493	11 ::	983 114	::	632 59 82
		Coal.	Cwts. 9,619 2,701	905 2,450 1,045	1,025	5,703 548	1,964 446 	10,492 6,870 6,044	409	17,040 1,959 20	:::	15,088 1,416 1,949
	Ton Miles.		1,733,288	207,118	2,660,183	905,152	375,499	2,088,666	:::	4,049,190	:::	2,917,611
19	Yons p	Average anierT	91.21	55.29		75.17	47.19	54.18	:::	90.16	: : :	26.96
	Total Engine Miles.		Train, 19,003 Shunt, 5,337 Ballast	Train, 3,746 Shunt, 10,125 Ballast, 4,322	Train, 27,553 Shurt, 2,682 Ballast	Train, 12,040 Shunt, 1,162 Ballast	Train, 7,957 Shunt, 1,811 Ballast	Train, 38,542 Shunt, 25,238 Ballast, 22,203	Train Shunt, 2,501 Ballast	Train, 44,550 Shunt, 5,121 Ballast, 52		Train, 24,612 Shunt, 2,310 Ballast, 3,180
Mile	Speed ur.	S aggravA oH 19q	H	4	91	16	41	41	:	71	:	2
	səuig.	No of Eng	4	H	'n	w	H	12	69	9	=	4
	Type.		ъ	124	₽-7	¥	1	0	ρ.,	æ	Ω	[

RETURN No. 29—continued. CLINTON-INVERGARGILL DIVISION.

ive of		Total.	333		160.	· : :	911.		:		680. ::
Pence per Ton Mile, exclusive of Ballasting and Shunting.	ning.	Wages.		801.		.:.		920.	: :		
Ton Mi	Running.	Fuel.	 190.						:	.: :	
Pence per Ballastin		Stores.				 	900.		:		
Cost in]	Repairs.	Wages and Material.		910.	6000.	.:.		900.	:	.:. 210.	800:::
		Total.	4 17 8 33 8 6 43 13 11	41 16 5 44 1 0 6 2 11	287 13 2 26 12 8	229 5 0 40 7 6	525 6 7 260 2 4 148 9 10	541 14 3 64 15 4	226 7 111	199 8 7 178 17 7	310 14 11 45 8 8
	ng.	Wages.	3 10 3 24 1 2 31 9 1	26 7 7 27 8 1 3 16 10	160 2 0	71 18 0 12 13 3	258 14 9 128 2 7 73 2 8	187 7 0 22 7 11	·	539 18 2 1 84 14 5 75 11 8	121 14 0 17 15 10
Cost.	Running	Fuel,	0 19 7 6 13 11 8 15 0	9 13 4 10 13 2 1 9 3	107 14 5 10 0 4	91 3 5 16 1 2	207 13 5 102 16 3 58 14 2	292 17 0		518 0 1 81 2 6 73 1 11	144 0 1 21 1 2
		Stores.	0 4 0 1 1 7 4 4 0 8 1 1 5 8	1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	16 19 4	3 0 11	25 9 1 12 12 2 7 3 10	22 6 0 2 13 11	;	61 16 8 9 7 4 8 1 2	2 8 9
	Repairs.	Wages and Material,	0 3 10 1 6 1 1 14 2	3 18 4 1 3 5 11 5	4 0 1 1 7 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	48 17 9 8 12 2	33 9 4 16 11 4 9 9 2	39 4 3 4 13 6 	226 7 11	158 9 8 24 4 4 22 2 10	28 7 2 4 2 11
		Waste,	122	3 2 6	112	91 ::	228 113 65	160 19	:	473 73	151 22
š	ng.	Tallow.	10 10	44*	2. 2.	137	80 41 23	106	:	180 28 25	76
Stores.	Running.	Oit.	15 19	188	237	35	304 151 86	213	:	805 125 112	188
-		Coa!.	181	230 239 34	2,047	1,508	3,992 1,977 1,129	577 690	:	9,360 1,454 1,304	382
	Ton Miles,		3,514	58,850	757,908	391,717	1,085,378	1,667,740	:	3,146,003	837,443
190	Tons p	ogstovA nistT	22.52	47.00	64.12	75.40	33.66	102'05	:	54.04	94.99
	Total Engine Miles.		Train, 156 Shunt, 1,068 Ballast, 1,396	Train, 1,250 Shunt, 1,298 Ballast, 182	Train, 11,838 Shunt, 1,093 Ballast	Train, 5,195 Shunt, 915 Ballast	Train, 18,132 Shunt, 8,979 Ballast, 5,125	Train, 16,341 Shunt, 1,953 Ballast	:	Train, 44,972 Shunt, 6,980 Ballast, 6,263	Train, 8,816 Shunt, 1,289 Ballast
Miles	Speed our.	Average Per H	:		=	r.	ę,	z,	:	. 15r	10
	.esines.	No of E	h-d	4	-	H	w	9	:	9	H
	Type.		4	Ç	Q	æ	ĬΨ	ъ	×	0	æ

RETURN No. 29—continued.

Particulars of Locomotive Workne for the Year ending 31st March, 1881.

Wellington Section.

Trans. Region. Names, a control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control of control			s				9.0								Cost in	Pence pe	r Train N	file, excl	uding	
Train Engine Minege Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con. Con.			 Mile:			Çud	ntity of S	tores.				Cost.				Ballastin	ng and Sh	unting.	,	
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Truin, 1946 194 144 54 54 54 54 54 54		Days in S	S 98879vA 10H T9q		Coal			Tallow	, Waste.	Wages and Material.	Stores.	Fuel.	Wages.		Wages and Material.		Fuel.	Wages.		
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Fallast, 1,546		84	: 				65			4+	vo +	, 4;	92	127	.23	62.		4.39	7.34	
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Shuth, 9,103 1,415 174 73 31 15 14 113 140 280		922	:				1,304			95	111	851	1,051	2,108	.31	.30		3.48	26.9	
15 Train, 11,663 262 334 196 23 26 54 366 469 47 54 1711 753 15 Shunt, 1,844 255 255 39 49 28 51 8 51 8 51 8 51 8 51 8 51 8 51 8 15 Train, 33,315 5,804 7,33 484 97 904 178 92 461 656 1,387 179 15 Train, 33,315 5,804 7,73 64 13 120 3 11 7 11 22							174				4.0	51	62	125	: :	: :	: :	: :	: :	
15 Train, 11,663 256 262 334 196 23 26 54 366 469 .47 .54 1′11 7′53 Shunt, 1,844 255 39 49 28 6 44 8 51 69 Shunt, 1,844 255 39 49 28 49 28 51 69 Nelson Section 15 Train, 33,315 5,894 484 97 994 178 92 461 656 1,387 129									7	VESTPOR		TION.							·	
Train, 11,663 1,830 262 334 196 23 26 54 866 469 47 54 111 753 Shunt, 1,844 289 38 51 30 49 28 6 4 8 58 71		~			Coa															
Ballast, 1,636		353	1.5	:	8,1	:	262			23	26	5°	366	469	.47	.54	11.1	7.53	9.62	
Nelson Section. 15 Train, 33,315 5,804 484 97 904 178 92 461 656 1,387 179 179 178 178 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170 170				: :	25		39			9	4 4	0 00	51	69	: :	: :	: :	: :	: :	
15 Train, 33,315, 5,804, 484 97 904 178 92 461 656 1,387 1 29 .66 3 32 4 73 8 120 85 112 61 87 118 22									.7	NELSON	SECTI	ON.								
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	i .	506	J				484			178	92	461	656	1,387	62.1	99.	3.32	4.73	10.00	A STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PAR
							04			2 °C	17	10	1 8 1	184	::	::	::	::	::	

RETURN No. 30.

HURUNUI-BLUFF SECTION.

STATEMENT of REPAIRS executed to the ROLLING-STOCK for the Year ending 31st March, 1881.

Description.		Christchurch.	Addington.	Oamaru.	Dunedin,	Hillside.	Invercargill.	Total.	Remarks.
frs			10	•••			•••	10 14	
D			16	1	. 4	43	7	71	
Totals		1	39	I	4	43	7	95	This total represents heavy works executed. All the engines, of course,
Carriages,— Converted to American bogies						I		I	have received repairs of a more or less important nature.
						· I		1	_
			140			20		160	
Partly overhauled	•••	•••	16	•••	****	131		147	
Totals	-		156			153	*	309	Ordinary light repairs not included.
Brake-vans,—	-								
D -1!l4			6	,.,				6	
The constitution of	4		31			4		35	
C 1	1					50		50	
Totals	-		37			54	*	91	Ordinary light repairs not included.
	-	-							
Horse-boxes, Wagons, &c.,— Rebuilt, manufactured from in ported ironwork	m-		357			187		544	Manufactured from imported ironwork: Addington, 234; Hillside, 156.
P21. 1.1 1 1		1,	280			141		1,421	Total, 390.
						1,085		1,085	Repairs at out-stations by greasers not
Totals		1,	637			1,413	*	3,050	included.
									
Paint-work,—	1		,				l		
Engines, thoroughly painted	•••	•••	16	•••	, ···	6	. 2	24	
" partly painted	•••	•••	3	• • • •	•••	5		8	
Cars, thoroughly painted			13	•••	•••	13		26	
,, partly repainted Wagons, &c., painted			12	•••	•••	90		102	
viagons, ec., pamicu		1,	141			1,110		2,251	
Totals		1,	185			1,224	2	2,411	

^{*} No return.

RETURN No. 31.

HURUNUI-BLUFF.

RETURN of COAL TRAFFIC from Local Mines during the Year ending 31st March, 1881.

	М	ine.			1879-	·80.		1880-	81.		Increase, 1	880-	-81.	Decrease, 188	80-81.
					Tons	cwt.	qr.	Tons	cwt.	qr.	Tons o	ewt.	qr.	Tons cw	t. qr
McIlraith's, Gl				• • • •	3,878	0	0	7,750		0	3,872	0	0	•••	_
Sheath's Comp	any, Mal	vern			298	0	0	Clos	sed						
McClatchie and	d Compa	ny, Glent	tunnel		Not o	pene	d	315	13	I	315	13	1		
Springfield Coa	al Compa	ny			4,947	10	0	5,782	10	0	835	ō	0		
Kowai Pass, S	pringfield	l *			15	0	0	537	2	2	522	2	2		
Eureka, Spring	field				Not o	pene	:d	97	4	2	97	4	2		
Austin and Kir	k, Sheffie	eld			21	0	0	1,698	ò	0	1,677	Ö	0		
Papakaio	•••				205	0	0	600	0	0	395	0	0	,	
Ngapara					25	0	0	23	0	0	"			2 0	0
Shag Point					17,234	0	0	31,685	0	Q	14,451	0	0	l	
Walton Park					11,287	0	٥	15,066	0	0	3,779	0	0		
Green Island	***				7,329	0	0	5,917	0	0				1,412	0
Freeman's	.,.				5,819	0	0	8,093	0	0	2,274	0	0	''	
Fernhill					4,097	٥	0	6,490	0	0	2,393	0	0		
Nelson's					3,755	0	0	3,496	0	0				259	0
Lovell's Flat					.,			25	0	0	25	0	0	ĺ	
Kaitangata					21,017	0	0	24,678	0	0	3,661	0	0		
Elliotvale								10	0	0	10	0	0		
Mackay's, Milt	on		***		20	0	0	55	0	0	35	0	0		
	Totals				79,947	10	0	112,318	10	1	34,342	۰	1	1,673	0

RETURN No. 32.

HURUNUI-BLUFF SECTION.

RETURN of the Number of Vessels Discharged and Loaded at the Ports of Lyttelton, Timaru, Oamaru, Port Chalmers, and Bluff for the Year ending 31st March, 1881.

			Port.					Home and Foreign.	Coastwise and Intercolonial.	Total.
Discharged:										
Lyttelton			•••					47	1,218	1,265
Timaru				• • • •		•••			248	248
Oamaru					***			• • • •	265	265
Port Chalmers								35	336 166	371
Bluff	•••		•••	•••	•••			4	166	170
		Total	•••	•••	***	•••		86	2,233	2,319
LOADED:-										
Lyttelton								81	985	1,066
Timaru						***	}	10	221	231
Oamaru								16	329	345
Port Chalmers				144				40	263	303
Bluff			•••	• • •		•••	•••	8	163	171
		Total	•••	•••		•••	·	155	1,961	2,116

RETURN No. 33-

HURUNUI-BLUFF SECTION.

Showing Mileage of Track in Main Line and Sidings Open for Traffic on 31st March, 1881.

	Main	Line.		Total		Sidings.		Equiv	
Line of Railway.	Single.	Double.	Branches.	Railway.	Main Line.	Branches.	Total.	Sin	
CHRISTCHURCH SECTION:— Lyttelton—Temuka Addington—Waipawa Rangiora—Oxford Branch Eyreton—Bennett's Southbridge Branch Malvern Branch Darfield—White Cliffs Tinwald Branch Total—Christchurch Section	M. chs. 94 40 39 18	M. chs. 7 60	M. chs 22 7 20 11 25 39 30 61 11 40 10 60	M. chs.	M. chs. 35 78 4 36	M. chs 2 21 1 32 2 40 2 14 1 16 0 28	M. chs.	138 43 24 21 27 32 12	chs. 18 54 28 43 79 75 56 8
	133 58	7 60	120 58	245 36	49 34	9 71	50 25	312	41
OAMARU SECTION:— Temuka—Waitaki Albury Branch Waimate Branch Waitaki—Palmerston Duntroon Branch Ngapara Branch Shag Point Branch Oamaru Breakwater	49 40 51 40 		25 54 4 46 21 33 14 77 1 67 0 64		5 25 8 10 	 1 59 0 56 0 55 0 73 0 10 0 18		54 27 5 59 22 15 1	65 33 22 50 8 70 77 2
Total—Oamaru Section	101 0		69 21	170 21	13 35	4 31	17 66	188	7
Dunedin Section: Palmerston-Dunedin Dunedin-Clinton Glendermid-Port Chalmers Walton Park Branch Outram Branch Lawrence Branch	40 39 73 19 		 1 12 2 47 9 0 22 0		7 60 8 9 	 1 68 0 35 0 58 1 75		48 81 3 9 23	19 28 0 2 58 75
Total—Dunedin Section	113 8		34 59	148 37	15 69	4 76	20 65	169	22
Invercargill Section:— Clinton-Invercargill Invercargill-Bluff Invercargill-Kingston Makarewa Junction-Riverton Thornbury-Otautau Tapanui Branch	65 42 17 1 		 86 77 17 61 11 40 15 43		3 57 4 39 	 3 43 1 23 1 5 1 30		69 21 90 19 12 16	19 40 40 4 45 73
Total—Invercargill Section	82 43		131 61	214 24	8 16	7 21	15 37	229	61
Grand Totals	430 79	7 60	356 39	787 38	77 44	26 39	104 3	899	51

RETURN No. 34.

HURUNUI-BLUFF SECTION.

SHOWING CLASSIFICATON of EXPENDITURE on MAINTENANCE of WAY and Works for the Year ending 31st March, 1881.

					Total Hurunui-Bluff and Branches.	uff and Branches.		Comparative Rates per Mile for the Year.	tates per Mile	for the Year.	
Classification of Work.	Christchurch Section.	Oamaru Section.	Dunedin Section.	Invercargill Section.	Amount.	Proportion of each Christchurch. Item to the whole.	Christchurch, 250 Miles.	Oamaru, 170 Miles.	Dunedin, 149 Miles.	Invercargill, 199 Miles.	Total, 768 Miles.
	£ s. d.	, s . d.	p 's q		s. d.		4	-a	Y	4	4
Supervision		844 17 3		12	-	3.1	2.13	4.67	6.52	2.70	5.50
Permanent way and surfacing	_	10,827 9 2	_	9,527 7 3	48,589 2 0	37.3	60.50	63,66	88.33	47.88	03.27
Renewals	1,390 18 8	1,399 5 4		ĸ	1 <u>/</u> 1	3.5	5.36	8.23	9.53	0/.1	5.95
Ballasting	1,151 11 3	2,224 3 2	3,401 19 3		8,097 16 6	1.0	4.01	13.08	22.83	60.0	10.52
Turntables and traversers	55 16 11	14 6 3	26 4 2	62 16 4	159 3 8		.22	80.	91.	.3r	12.
Grading		2,590 8 I	3,789 1 3	1,530 I 9	9 2 990%	6.9	4.03	15.24	25.43	69.4	18.11
New permanent-way materials		7,401 16 5		1,209 17 2	21,190 2 2	2.91	25.55	43.50	41.26	80.9	27.59
Roads, approaches, &c		205 4 5	422 10 7	156 5 5	1,172 12 10	6.	95.1	17.1	2.84	84.	1.53
Bridges, culverts, &cc	2,631 18 8	2,209 7 11	2,325 5 8	-	8,517 4 3	6.9	10.22	13.00	19.51	62.9	60.11
Fences, cattle-stops, &c	1,550 11 10	831 5 1	61	342 15 2	4,616 14 6	3.5	6.50	4.89	12.70	1.12	10.9
Signals	175 3 11	6 i 91	128 10 8	14 0 0	333 16 4	.3	01.	60.	98.	40.	.44
Cranes and weighbridges	9 0 69	4 16 7	16	960	81 3 3		8z.	°0.	50.	:	н.
Water-services	403 2 6	2 092	8 9 0/4	264 13 2	1,398 4 4	1.3	19.1	1.53	3.16	1.33	1.82
Wharves	0 12 0	:	721 2 2	I.	750 15 9	ė	:	:	4.84	. S.	86.
Station buildings	2,292 8 11	342 10 1	7	9 6 869	4,502 15 7	3.4	41.6	2.02	7.85	3.21	2.80
Dwelling-houses	260 12 7	42 19 7	174 18 8	9	9 21 605	.4	1.04	.25	81.1	91.	99.
Tools and implements	1,271 13 4	850 7 4	1,517 7 5	653 18 0	4,293 6 1	3.3	60.5	3.00	81.01	3.50	5.26
Workshop commission	100 14 7	3 16 5	163 15 0	64 . 4 9	332 10 9	.3	.40	.02	1.10	.32	.43
Total maintenance, without additions	35,644 19 11	30,068 16 10	38,361 2 7	18,142 19 2	122,217 18 6	93.7	142.58	176.83	257.46	11.16	159.13
Additions and alterations	2,802 6 4	2,036 6 9	2,815 5 3	543 8 3	8,197 6 7	6.3	11.51	86.11	68.81	2.73	19.01
Total expenditure	38,447 6 3	32,105 3 7	41,176 7 10	18,686 7 5	130,415 5 I	001	153.79	18.881	276.35	63.60	08.691
	-				_	_	_	-	_	_	

1880-81.

27.59 17.53 11.09 60.11 11.11 11.82 11.82 5.86 5.86 5.86 5.86

5.72 3.90 7.8

RETURN No. 35.

HURUNUI-BLUFF SECTION

Whole Line, Hurunui-Bluff. 1879-80.* £ 7.93 81.59 10.01 13.91 17.46 23.88 2.86 2.86 17.40 3.90 3.39 1.82 212.19 193.67 742 74.78 14.46 81.17 1.62 1.62 1.24 23.07 5.73 5.73 5.73 7.96 7.96 7.96 80 190.48 204.52 1878-79. Z 904 47.88 47.88 6.176 6.08 6.08 6.78 1.72 1.72 1.33 3.29 06.86 M 91.17 1880-81. 199 Invercargill Section. 1879-80.* 52.21 6663 14.17 2.73 12.22 17.28 17.28 17.28 17.26 17.65 17.66 17.66 į 86.221 7.67 COMPARING the Classified Expenditure for Maintenance for Three Years, 1878 to 1881 . 661 170 M. 1878-79. 01.6 16.411 20.93 4.553 4.553 4.553 9.99 9.99 9.130 1.30 1.30 127.01 25.43 41.56 2.84 15.61 12.70 .86 257.46 18.89 276.35 Σ 1880-81. 149 Dunedin Section. 1879-80.* Ĭ. 321.88 14.95 336.83 149 136 M. 1878-79. ... 78 13.39 3.90 3.90 5.85 84.37 2.60 2.4.96 5.46 316.29 3.25319.54 170 M. 43.50 43.50 11.21 13.00 69 .09 .03 11.53 ... 20.2 ... 20.5 ... 86.11 176.83 18.881 1880-81. Oamaru Section. Ä 1879-80.* 180.44 18.46 06.861 7.67 7.7293 8.97 8.97 10.27 1.508 31.98 1.43 1.43 1.43 1.73 2.21 1.33 1.95 91.9 170 1878-79. 74.45 92.47 92.29 92.29 70.00 72.25 73.31 13.31 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 19.01 10.01 10.01 10.01 10.01 10.01 10.01 10.01 10.01 10.01 10.01 10.01 10.01 10.01 10.01 10.01 10.01 10.01 10.01 10.01 10.01 10.01 10.01 10.01 66.491 Ĭ. 145'98 12'01 3.14 ... 5.57 147 Σ 4.63 25.55 1.56 10.52 6.20 142.58 153.79 9.17 1.04 1.04 5.09 7.09 1880-81. 250 Christchurch Section. 1879-80 * Z. 182.52 29.38 06.117 8.58 232 1878-79. 71.76 8.97 8.97 8.92 10.89 11.30 11.30 11.30 11.30 11.30 11.30 11.30 11.30 11.30 221.18 197'47 24'31 Ħ 14.95 : 253 Total maintenance without additions : orading New permanent-way materials Fences, gates, and cattle-stops Classification Ballasting Turntables and traversers ... : : Signals Cranes and weighbridges Supervision ... Permanent way, surfacing Additions and alterations Roads, approaches, &c. Workshop commission Tools and implements Bridges, culverts, &c. Pumping apparatus Mileage maintained Dwelling-houses... Grand total Station buildings

Supervision Renewals

Grading

Wharves

Signals

* Estimated for twelve months for comparison,

768 M.

Ä.

08.691

19.01

RETURN No. 36.

HURUNUI-BLUFF SECTION.

COMPARING the Classified Expenditure for Maintenance for Three Years, 1878 to 1881, showing Percentage of each Item to the whole Expenditure on each Section.

Classification.		Chr	Christchurch Section.	ion.	ŽO	Oamaru Section.	a.	Dr	Dunedin Section.	n.	Inve	Invercargill Section.	ion.	Whole I	Whole Line, Hurunui-Bluff.	-Bluff.
		1878-79.	1879-80.*	1880-81.	1878-79.	1879-80.*	1880-81.	1878-79.	1879-80.*	1880-81.	1878-79.	*:08-6481	1880-81.	1878–79.	*.08-6181	1880-81.
Supervision	:	3.6	3.	3,3	5.0	3.8	9.2	3.1	4.7	3.4	1.1	8.1	5.6	5.0	3.8	3.1
way, surfacing	÷	32.4	33.4	36.6	47.0	30.98	33.8	33.7	41.0	32.0	6.14	45.4	21.0	36.6	38.4	37.3
Renewals	:	0.4	4.5	3.6	2.0	4.5	4.4	12.1	2.1	3.2	0.5	5.4	6.1	1.1	4.1	3.5
Ballasting	:	2.2	5.5	3.0	3.1	2.5	6.9	4.5	9.6	8.3	9.3	5.11	1.1	0.4	4.9	1.9
Turntables and traversers	:	.2	.0	.2	'n		:	1.3	1.5		2.1	2.2	.3	œ	∞	Ξ,
Grading	፧	3.8	9.4	3.0	0.1	9.2	8.1	8.1	8.3	6.5	5.91	0.01	8.5	S. S.	8.5	6.9
New permanent-way materials	:	ó.6	10.3	9.91	8.4	1.91	22.8	7.92	<u>\$.11</u>	12.0	3.5	6.5	6.3	13.3	7.11	2.91
Roads, approaches, &c	:	9.	2.2	0.1	.4	.7	9.	œ.	œ	0. I	ïe	0.1	òo	Ģ	1.3	, و
Bridges, culverts, &c	:	9.91	8.11	6.9	8.4	1.1	6.9	9.4	7.1	2.6	7.2	4.7	7.5	£.11	8.5	6.2
Fences, gates, and cattle-stops	:	4.4	6.1	4.0	5.8 7.8	1.1	5.6	2.1	2.2	9.4		1.2	8.1	200	6.1	3.2
Signals	፤	<i>L</i> .	ic.	ı'n	Ι.	I.	ī.	:	:		Ι.	:		.3	.71	.5
Cranes and weighbridges	:	.4		.2	:	ī.	ï	:		:		:`	:		:	Ϊ.
Pumping apparatus	:	6.1	2.1	1.1	1.4	0.1	ó	'n	ï	I.I	4.	9.	4.1	1.1	6.	7.E
Wharves	:	:\	:	:	:	:	:	'n		8.1	:	:		:	:	o.
Station buildings	፥	2.9	6.4	0 .9	5.0	3.5	1.1	2.2	4.1	2.00	0. I	z.I	3.7	3.6	2.1	3.4
Dwelling-houses	:	:	:	.1.	:	:	.2	:	:	.4	:	:	.0	:	:	.4
I ools and implements	:	2.I	2.1	3.3	3.5	3.4	2.2	2.1	1.5	3.7	 9.1	4.1	3.2	2.3	6.1	3.3
Workshop commission	:	.4	.4	'n.	:	:	:	:	.3	.4	1.2	1.5	.3	.4	4	.3
Total maintenance without additions	suo	0.68	1.98	92.7	92.4	2.06	9.86	6.86	95.5	93.5	8.26	8.86	1.26	1.66	6.16	93.7
Additions and alterations	:	0.11	6.81	7.3	9.4	6.6	4.9	1.1	4.5	89	2.2	2.9	6.2	6.9	8.1	6.3
Grand total	:	100	100	100	100	100	001	100	100	100	100	100	100	100	100	100
Mileage maintained	÷	253 M.	232 M.	250 M.	147 M.	170 M.	1,70 M.	136 M.	149 M.	149 M.	170 M.	199 M.	199 M.	706 M.	750 M.	768 M.
		***************************************	-		-											

* Estimated for twelve months for comparison.

RETURN No. 37. HURUNUI-BLUFF SECTION.

STATEMENT of EXPENDITURE showing Cost of Maintenance of different Sections of Main Line and Branches.

					Mile	age.		Expendit		Average f weekly		Rate per
Line of Railwa	.y.			Acti Milea		Redu Mile		up to ; March,	31st	Expendi- ture.	Rate per Mile,	Mile per Annum
CHRISTCHURCH SECTION:-				м.	chs.	M.	chs.	£	s. d.	£	£	£
Main Line, Waipara and Lytte	elton t	o Temuka		133	58	130	8	27,002	96	2,077	15.98	207.71
Rangiora-Oxford Branch				22	7	22	7	1,821	2 11	140	6.36	82.77
Eyreton-Bennett's				20	11	20	11	1,576	0 І	121	6.02	78.80
Hornby-Southbridge				25	39	25	39	3,806	9 2	293	11'72	152.24
Rolleston-Springfield Mine				30	6í	30	61	2,878		221	7.13	92.87
Darfield-Whitecliffs				11	40	11	40	1,156		80	7.41	96.41
Tinwald Branch	•••	•••		10	60	10	24	205		16	1.60	20.60
Totals	•••	•••		254	36	250	30	38,447	6 3	2,957	11.83	153'79
OAMARU SECTION:-									·			
Main Line, Temuka-Oamaru				6.		6.		2615	•		60	
		••1	•••	63	40	63	40	9,647	3 9	742	11.68	151.88
Oamaru-Palmerston	• • •	•••	•••	37	40	37	40	16,343		1,257	33.97	441.73
Washdyke Junction-Albury	• • •	•••	•••	25	54	25	54	1,871		144	5.24	72.00
Waimate Junction-Waimate	•••	***	•••	4	46	4	46	388		30	6.00	77.80
Pukeuri Junction-Duntroon		•••	• • •	21	33	21	33	1,858	9 4	143	6.81	88.48
Waireka Junction-Ngapara	•••			14	77	14	77	1,569	8 8	121	8.07	104.60
Oamaru-Breakwater	•••	***		0	64	0	64	166	4 11	13	13.00	166.24
Shag Point Branch	•••	•••	•••	I	67	I	67	258	13 6	20	10.00	129.20
Totals	•••	·		170	21	170	2 I	32,105	3 7	2,470	14.20	188.27
DUNEDIN SECTION:-												
Main Line, Palmerston-Dune	lin			40	39	40	39	14,954	1 8	1,151	28.07	364.73
Dunedin-Clinton	• • •			73	19	73	19	19,164	_	1,474	20,10	262.53
Glendermid-Port Chalmers	•••	***		73	12	13	12	1,543		110	110.00	1,544.00
Walton Park Branch			•••	2	_	2				i -	17.60	231 20
** 1.0	• • •	•••	•••		47		47	577		44		168.66
- ° -	•••	•••	• • • •	9	0	9	0	1,517		117	13.00	
Lawrence Branch	•••	•••	•••	22	° 	22	<u> </u>	3,418	5 9	263	11,62	155.36
Totals	•••	•••	•••	148	37	148	37	41,176	7 10	3,168	21.36	276.35
Invercargill Section:—]] .				
Main Line, Clinton-Invercargi	111			65	42	65	42	7,064	4 10	543	8.23	107.03
Invercargill-Bluff				17	Ţ	17	Ī	2,447	6 6	188	11,06	143'94
Invercargill-Kingston				86	77	86	77	6,421	2 11	494	5.61	72.96
Makarewa-Riverton		•••		17	61	17	61	1,675	5 7	129	7.13	93.06
Thornbury Junction-Otautau	•••	•••		11	40	11	40	1,078	7 7	83	6.02	89.91
Tapanui Branch		•••		15	43		••	-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Totals	•••			214	24	198	61	18,686	7 5	1,437	7.22	93.90
Grand Totals		•••		787	38	767	69	130,415	5 1	10,032	13.06	169.80

RETURN No. 38. HURUNUI-BLUFF SECTION.

Comparison of the Classified Expenditure on Maintenance of the Line from Amberley to Palmerston for the Four Financial Years 1877 to 1881.

Classification.		Rate per Mile per Annum. Proportion of each Item to th Expenditure.							
Classification,	1877-78.	1878-79.	1879-80.*	1880-81.	1877-78.	{1878-79.	1879-80.*	1880-81.	
Supervision	6'19 79'54 9'87 3'78 '74 1'37 9'13 2'48 17'06 3'69 1'27 '68 2'15	6.72 72.70 9.07 4.86 .62 8.85 17.47 1.05 28.20 7.84 1.01 .61 3.47	7.87 71.76 8.90 7.05 41 15.69 26.08 3.08 20.39 3.23 7.5 21 2.67	£ 5.05 61.52 6.64 8.02 1.7 8.90 32.48 1.41 11.50 5.66 4.5 18 1.57	per cent. 4'0 51'3 6'4 2'4 5 9 59 1'6 10'9 2'4 8 '4 1'4	per cent. 3'4 36'7 4'6 2'4 3 4'5 8'8 5 14'2 4'0 5 3 1'7	per cent. 3'8 34'7 4'3 3'4 2 7'6 12'6 18 9'9 1'6 '4 '1 1'3	per cent 3.0 36.8 4.0 4.8 1 5.3 19.4 8 6.9 3.4 3 1 9	
Station buildings Dwelling-houses Tools and implements Workshop commission	2'74 '65	10°52 4°96 .60	7.67 4.89 44	6.26 .72 5.04 25	7'4 1'8 '4	5'3 2'5 '3	3.7 2.4 .2	3'7 '4 3'0 '2	
Total maintenance Additions and alterations	152.26 2.36	178.55	181.69 24.80	155.82	98·5	90 10	88 12	6.9 33.1	
Total expenditure	155.05	198.33	206 49	167.31	100	100	100	100	
Miles under maintenance	382	400	402	421		•••			

^{*} Estimated for twelve months for comparison.

RETURN No. 39. HURUNUI-BLUFF SECTION.

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TTUBE OF MAINTENANCE OF WAY and WORKS ON each Section and Traffic District, per Mile, per Four	
)RK	-
Ø۵	for the Year ending 31st March 1881
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MA	Z 3
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	Total Expenditure.	13.76 68.00 6.37 6.06 11.71 7.14 7.41 1.87	66.11	12.14 33.98 5.54 5.54 6.81 8.05 12.79	14.47	23.68 118.73 50.99 20.20 17.78 12.96 11.93	\$2.12	8°23 11°07 6°27 5°51 7°16 6°91	7.22	13.11
	.enoitibbA	7.27	18.	6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	z6.	16.2 16.8 16.0 16.0 16.0 16.0 16.0 16.0 16.0 16.0	1.45	22 14. 15. 15. 15. 15. 15. 15. 15. 15. 15. 15	12.	.82
	Total Maintenance,	12.49 60.96 632 60.06 11.50 671 7.41 7.41	11.12	30.66 30.66 5.41 5.41 5.95 6.61 7.93 9.77	13.55	20.77 118.05 45.00 19.22 17.71 12.91	08.61	7.94 10.66 6.12 5.36 7.10 6.86	1.01	12.29
	-Workshop Com- mission.	4 5 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	.03	; ; 5 ; ; ; ; ; ;	:	20. 35. 01. 03. 03.	80.	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	20.	.03
1	Tools and Implements.	10. 10. 10. 10. 10. 10.	.40	72 30 56 06 06 06 07 10	.35	.84 2.22 77 .79 .82 .48	84.	31 33 18 18 20 18	52.	.43
	-Swelling- houses.	4.00.00.00.00.00.00.00.00.00.00.00.00.00	80.	90	70.	8 : 5 + : 4 :	60.	:	10,	.05
	Station Build.	84 12.19 12.13 0.08 11.10	24.	24. 40. 40. 61. 60. 40. 10. 10.	ŝī.	23 2'98 7'01 36 .02 .35	99.	.20 .23 .04 .02	12.	.45
	Wharves.	; 0 : : : : : :	:	::::::::	:	55.47	.37	113	10.	80.
	Water Services.	11. 10. 10. 10. 10. 10. 10. 10. 10. 10.	81.	41. 20. 20. 20. 20. 20. 20. 20. 20	71.	.:. 28 28 .:. 02 	.24	1.2 4.2 1.0 0.0 0.0 0.0	oī.	41.
	Cranes and Weighbridges.	9. ::::	70.	: :0 : : : : :	:		:	: : : : :	:	10.
LOOI.	Signals.	0	So.	: :	10.		40.	: 0 : : : :	10.	.o3
march,	Fences, Gates, Sec.	65.21 00.00 00.00 1.07 1.07 3.45	48	81. 60. 70. 71. 71. 	.38	67 98 2.80 1.18 3.4 3.4 3.7	86.	17 26 26 10 10 40	.13	.46
or isto	Bridges and Culverts.	72.1 141. 17.1 30. 162. 17. 162.	.82	.89 1.65 2.41 .08 .01 .16 .12 .13 .13	00.1	1.20 2.14 1.83 1.93 3.58 3.46 3.46	1.30	.882 .73 .31 .90	.25	98.
enanng	Roads, Ap- proaches, &c.	30. 30. 30. 30. 30. 30. 30. 30.	71.		60.	1.5 1.48 1.63 1.7 1.02 0.04 0.09	22.		98.	. 12
ear	P.W. Materials.	2.2 10.84 33 46. 46.	66.1	1.4.1 12.68 12.68 0.06 149 1.60 1.60 1.00 1.00 1.00 1.00 1.00 1.00	3.30	2.19 16.89 7.08 4.30 1.76 47.	3.50	. 158 . 587 . 168 . 168 . 188	.47	2.12
rne r	Grading.	92. 17.1 17.1 17.1	98.	42.1 71. 29.2 50. 10. 47. 74.	1.1	3.61 5.19 1.04 1.51 1.36 1.79 1.79	96.1	7. 65. 3. 1.58 2.88	6\$.	16.
s, ror	Traverses and Turntables,	: 75 ° 0 ° 10 ° 11 ° 11 ° 12 ° 12 ° 13 ° 13 ° 14 ° 15 ° 15 ° 15 ° 15 ° 15 ° 15 ° 15	.02	0 : : : : : : : :	10.		10.	 7 0	20.	.00
W eeks	Ballast- ing.	2006 2006 300 388 323 323 325	98.	1777 1746 180 190 100 101 173	10.1	7.51 3.87 4.28 1.98 1.98 1.1	94.1	.51 .51 .60 .60 .28	19.	.82
	Track Re- newals,	2.50 2.50 2.50 2.50 3.70 3.70 3.70 3.70 3.70 3.70 3.70 3.7	4	7.15 7.18 7.45 7.01 7.02 7.22 7.22 7.06 7.12 7.12 7.12	£9.	7.65 7.65 62 7.04 7.14 7.16 60	27.	 222 .05 .15 .30	1.4	.46
	Track Sur- facing.	70.42 71.44 71.44 71.45 71.60 11.63	4.70	7.4.4 7.8.7.8 7.7.8 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.7.3 7.3	4.60	8.67 14.21 12.90 5.88 8.57 5.12 5.49	08.9	4.09 4.18 2.92 2.69 5.21 5.21	3.69	4.89
	Super- vision.	44. 1.87. 2.00000000000000000000000000000000000	04.	222222222222222222222222222222222222222	88.	27.2 27.2 27.2 27.3 27.2 27.3 37.4 14.4	14. 0	22. 23. 23. 23. 23. 23. 23. 23. 23. 23.	17.	14.
	Mile-	M. ch 121 6 22 22 20 20 25 31 12 11	254	41 2 2 3 1 2 5 5 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	170	33 1 7 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3	149	66 17 18 18 12	199	172
	,		uo		:	· · · · · · · · · · · · · · · · · · ·	:		:	:
		:::::::::	ch Secti	: : : : : : : : : : : : : : : : : : :	section	crmid Chalmer in	Section	: : : : : : : : : : : : : : : : : : :	II Sectio	:
	Sections.	Main Line, Amberley-Temuka Lyttelton-Christchurch Rangiora-Oxford Kaiapoi-Bennett's Southbridge Branch Malvern Branch White Cliffs Branch Tinwald Branch Waipara Extension	Total Christchurch Section	Main Line, Temuka-Waitaki "Waitaki-Oamaru "Oamaru-Palmerston Albury Branch Waimate Branch Duntroon Branch Ngapara Branch Breskwater Branch Shag Point Branch	Total Oamaru Section	Main Line, Palmerston–Glendermid "Glendermid–Port Chalmers Main Line Glendermid–Dunedin Dunedin–Clinton Walton Park Branch Outram Branch Lawrence Branch	Total Dunedin Section	Main Line, Clinton-Invercargill, "Invercargill-Bluff Invercargill-Winton Winton-Kingston Makarewa-Riverton Thornbury-Otautau	Total Invercargill Section	Whole Line
{]	M		æ		2 2		2		ł

RETURN No. 40.

HURUNUI-BLUFF SECTION.

Summary of Expenditure on Additions and Alterations for the Year ended 31st March, 1881 (included in Working Expenses).

Se	ction.	Classificatio	_	Amount.					
		 				Items.	Tot	als.	
						£ s. d.	£	ς.	d.
hristchurch		 Surfacing		•••		² 57 3 4	73		٠.,
	• • • • • • • • • • • • • • • • • • • •	 Renewals		•••		18 3 0			
		Grading		•••		8 6 0			
		Roads, approaches, &c.		•••		104 3 0			
		Bridges, culverts, and drains	•••	•••		1,287 14 2			
		Fences, gates, and cattle-stops		***		39 15 10			
		Cranes and weighbridges				39 3 8			
		Water-services				123 17 9			
		Station buildings				586 19 5			
		Dwelling-houses	•••			273 8 10			
		Tools and implements				57 17 10			
		Sundries	•••			5 13 6			
							2,802	6	4
amaru		 Surfacing				37 7 10	.,		-
		Renewals		•••		94 0 11			
		Grading				170 15 7			
		Turntables and traversers				1 10 8			
		Roads, approaches, &c.		•••		43 4 8			
		Bridges, culverts, &c				1,408 19 8			
		Fencing, gates, and cattle-stops				56 13 3			
		Water-services				. 42 10 11			
		Station buildings				146 18 5			
		Dwelling-houses		***		34 4 10			
							2,036	6	9
unedin		 Surfacing				272 5 5	, 0		
		Grading				953 14 0			
		Turntables and traversers		***		114 8 7			
		Roads, approaches, &c.	•••		•••	23 17 3			
		Bridges, culverts, &c		•••		47 I 5			
		Fences, gates, &c				13 16 8			
		Signals				470 7 0			
		Water-services		•••		577 4 9			
		Station buildings		•••		293 7 6			
		Dwelling-houses		•••		11 10 11			
		Tools and implements				37 11 9			
		_			-		2,815	- 5	3
vercargill		 Surfacing	•••	•••		198 4 11			
		Ballasting	• • •	•••		58 18 4			
		Grading				18 6 6			
		Roads, approaches, &c.	•••	***		9 5 11			
		Bridges and culverts				29 4 3			
		, 8		•••		34 18 8			
		Water-services		***		6 5 10			
		Stations and buildings	•••	•••	}	138 13 10			
		Tools and implements		***		49 10 0			
]-		543	8	3
]				
		Totals		***			8,197	6	7

RETURN No. 40-continued.

HURUNUI-BLUFF SECTION.

Details of Expenditure showing Amounts Charged to Additions and Alterations during the Financial Year ended 31st March, 1881, included in Working Expenses.

			•		0 1						
Surfacing,—	£ s.	d.	£	s. d	Surfacing—continued.	£	S.	d.	£	s. d.	
Cross over sidings, Addington	4 10	0			Chaining line, Outram Branch	2	8				
Coupling-points at Heathcote) I			,, Glendermid to Port Chalmers	0	12	4			
Extending ballast, discharging siding,					,, Walton Park Branch		2				
Lyttelton		7			Making mile-posts material, Glendermid-	_	_	-			
Alteration to sidings, Rakaia					Bluff and Branch	6ı .	T /2	_			
", ", screw-pile jetty, Lyttln.	12 1	6			Mile-posts, labour and material, Palmerston-	01	- /	•			
", ", No. 4 jetty, Lyttelton	0.10				Glendermid	-0		0			
Lengthening back shunt, Waimate Junction	8 10	6			Relaying Corporation siding, Green Hills	18					
Taking up siding at Normanby	16 3				Chainage of line, Clinton to Invercargill	10	.0	0			
Laking up sluing at Normanoy	10 3				Chainage of line Inverse will to Plus	23	-6	9			
Lengthening landing-service sidings at					Chainage of line, Invercargill to Bluff						
Timaru	1 0	0			" to Winton						
Completion of dismantling part of Moeraki					" Winton to Kingston		19	7			
Branch					" Makarewa to Riverton	7	I 2	4			
Chainage of line, Hillgrove to Palmerston					" Thornbury to Otautau	3	1	9			
" Shag Point Branch		0			Extending cattle-yards siding, Clinton	9	19				
Laying check-rails on curves, Waitati	65 2	8			" line of engine-shed, Clinton	10	16	0			
Sidings, way and workshops, Dunedin	86 7	0			Making mile-posts, labour, Glendermid-						
Chaining line, Palmerston to Glendermid	8 5	9				83	ĸ	a	*		
" Glendermid to Dunedin					Laying loop-line and improvements to	-0	J	,			
", Clarksville to Lawrence		_			Longbush siding	T Á	T	ď			
Dunedin to Clinton						-+			760	. 6	
,,	- / 3								105	. 0	,

RETURN No. 40-continued.

HURUNUI-BLUFF SECTION.

DETAILS of EXPENDITURE showing Amounts Charged to Additions and Alterations during the Financial Year ended 31st March, 1881.

			en	ıaea	31	st .	March, 1881.						
Renewals,-	£	s.	d.	£	s.	. d.	Fences and Cattle-stops,—	£	s. (d.	£	s.	d.
Relaying steel rails, south from Selwyn	18	3	0				Erecting fence at Addington for Locomotive		_				
Renewal of permanent way, main line,							Department	3	6				
Oamaru to Palmerston	94	0	11				Fencing at 93 miles 60 chains	10	•				
•				112	3	1 £	Gate, &c., at West Oxford Wicket-gate at Doyleston		19 1				
Ballasting,—							Repairing iron fence at Locomotive Engi-	. 3	15	4			
Making four ballast huts				58	18	4	neer's old office	21	6 r	ĭ			
Turntables and Traversers,—				·		•	Closing level-crossing gates at Kartigi, &c.	3	3	0			
Erecting turntables at Evan's store, Timaru	1	10	8				Erecting 16 level-crossing gates, Duntroon						
Turntable at Balclutha, 50 feet (erecting)	114						Branch	53		3			
				115	19	3	New gate at Ravensbourne Picket fence, Dunedin Station	4	8	2 6			
Crading							Making cattle-stops, Kingston Branch	9 27		2			
Grading,— Widening bank, Rangitata Island, after							Shifting cattle-stops, south side Clinton	7	10				
1879-80 (completing)	8	6	0								145	4	5
1879-80 (completing) Draining slip at Otepopo	170	15	7								-		
Clearing away slip at Deep Creek, lightening		_					Signals,—						
slope	88	8	. 9				Alterations to signals, Palmerston to Glen-	٥,					
Clearing away slip at Puketeraki, lightening	242	1.2	2				dermid	04	9 .	4			
slope Earth-filling at Hillside		16					1 5 11	170	À.	ı			
Earthwork at Bell-hill bank	125						Signal improvements, Dunedin to Clinton	215					
Borings for proposed retaining wall at Port			U								470	7	0
Chalmers Arching over shaft, Deborah Bay	16	6	9				Cranes and Weighbridges,-			_			
Arching over shaft, Deborah Bay		9	4				Re-erecting 5-ton crane, Christchurch yard	39	3	8		-	0
Protection of line against Waitahuna River	37	15 10	3							-	39	3	8
Retaining-wall, Waitati Cliffs Pitching 4 chains railway embankment	70	10	Z				Water Services,—						
beyond Athol		6	6				Pump at Ashburton	7	4	7			
	299						Hose and valve for fire-engine	10		8			
				1,151	2	1	Completion of Chertsey well	79		6			
							Erecting wind-mill at Chertsey	26	6	0			
Road Approaches,— Alterations to level crossing at Prebbleton	Q						Connecting water-service with town main,	42	101	r			
Level crossing at gravel reserves		14 4	0				2 hot-air engines	255					
Approach road to Irwell goods shed	37		9				Boring well at Palmerston		10				
Levelling at Sandy Knolls, Malvern	4		6				2 new tank stands at Seacliff	127					
Stop-boards at level crossings, 84 miles 65							New tank stand, Mosgiel	96	18	9			
chains		8	4				Boring well at Palmerston 2 new tank stands at Seacliff New tank stand, Mosgiel New well at Mosgiel Station Laying connecting pipe, Milton	3	•	0			
Level crossing at Sheffield, Malvern		10						54					
Draining Stationmaster's house at Cave Level crossing, Shag Point Branch		11	4 4				Water-service, engine-shed, Lawrence Wooden tanks at Mihiwaki		10 I				
Improvements to road diversion, Shag Point		·	4				Water-service, engine-shed, Clinton		5 1				
Tunction	10	٥	0								749	19	3-
Ballasting approach road, Waianakarua	28	13	0										
Laying 18-inch pipes at Falconer's Cross-							Station Buildings,—			_			
ing, Toiro	8	5	0				Improvements to cattle-yards, Winslow Respacing of cattle-yards		14 1				
Making approaches to Overbridge, south of							Respacing of cattle-yards	32		9 3			
Vaibiles	1 7	Y 4	2				Alterations to cattle-vards at Southbridge	20		Ð.			
Kaihiku		8					Alterations to cattle-yards at Southbridge Temporary sheep-yards at Cust	20 6		6			
Level crossing at Salford	4	12 8 17	11				Temporary sheep-yards at Cust	6	18	6 7			
Level crossing at Salford	4 3	8	1 I 0				Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton	6 4 14	18 12 19	7 9			
Level crossing at Salford Nelson, east side of Gore Ettrick Street Inversored	4 3	8 17	1 I 0	180	10	10	Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton Repairs to offices, Christchurch, after fire	6 4 14 40	18 12 19 7	7 9 8			
Level crossing at Salford Nelson, east side of Gore Ettrick Street, Invercargill	4 3	8 17	1 I 0	180	10	10	Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton Repairs to offices, Christchurch, after fire Platform lamp at Kirwee (Malvern)	6 4 14 40 2	18 12 19 7	7 9 8 9			
Level crossing at Salford Nelson, east side of Gore Ettrick Street, Invercargill Bridges, Culverts, &c.,—	4 3 1	8 17 0	0 0	180	10	10	Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton Repairs to offices, Christchurch, after fire Platform lamp at Kirwee (Malvern) Repairs to Stores Manager's office	6 4 14 40 2 14	18 12 19 7 11	7 9 8 9			
Level crossing at Salford Nelson, east side of Gore Ettrick Street, Invercargill Bridges, Culverts, &c.,— Groins south end of Rakaia Bridge	320	12	0 0	180	10	10	Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton Repairs to offices, Christchurch, after fire Platform lamp at Kirwee (Malvern)	6 4 14 40 2	18 12 19 7 11 8	7 9 8 9			
Level crossing at Salford Nelson, east side of Gore Ettrick Street, Invercargill Bridges, Culverts, &c.,— Groins south end of Rakaia Bridge Rockwork groins, Rangitata Island bank Deepening overflow channel, Rangitata	320 709	12	11 0 0 —	180	10	10	Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton Repairs to offices, Christchurch, after fire Platform lamp at Kirwee (Malvern) Repairs to Stores Manager's office Stable at Addington for shunting horses Removing Kirwee Station and new platform	6 4 14 40 2 14	18 12 19 7 11 8	7 9 8 9			
Level crossing at Salford Nelson, east side of Gore Ettrick Street, Invercargill Bridges, Culverts, &c.,— Groins south end of Rakaia Bridge Rockwork groins, Rangitata Island bank Deepening overflow channel, Rangitata Lowering culverts between Heathcote and	320 709 0	8 17 0	11 0 0	180	10	10	Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton Repairs to offices, Christchurch, after fire Platform lamp at Kirwee (Malvern) Repairs to Stores Manager's office Stable at Addington for shunting horses Removing Kirwee Station and new platform Removing Inspector of Permanent Ways	6 4 14 40 2 14 11	18 12 19 7 11 8 4	7 9 8 9 9 2			
Level crossing at Salford Nelson, east side of Gore Ettrick Street, Invercargill Bridges, Culverts, &c.,— Groins south end of Rakaia Bridge Rockwork groins, Rangitata Island bank Deepening overflow channel, Rangitata Lowering culverts between Heathcote and Hillsborough	320 709 0	8 17 0 12 19 16	11 0 0	180	10	10	Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton Repairs to offices, Christchurch, after fire Platform lamp at Kirwee (Malvern) Repairs to Stores Manager's office Stable at Addington for shunting horses Removing Kirwee Station and new platform Removing Inspector of Permanent Ways office, Kaiapoi to Rangiora	6 4 14 40 2 14 11	18 12 19 7 11 8 4	7 9 8 9 9 2 3			
Level crossing at Salford Nelson, east side of Gore Retrick Street, Invercargill Bridges, Culverts, &c.,— Groins south end of Rakaia Bridge Rockwork groins, Rangitata Island bank Deepening overflow channel, Rangitata Lowering culverts between Heathcote and Hillsborough Painting bolts, Ashley Bridge	320 709 0	8 17 0	11 0 0	180	10	10	Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton Repairs to offices, Christchurch, after fire Platform lamp at Kirwee (Malvern) Repairs to Stores Manager's office Stable at Addington for shunting horses Removing Kirwee Station and new platform Removing Inspector of Permanent Ways	6 4 14 40 2 14 11	18 12 19 7 11 8 4	7 9 8 9 9 2 3			
Level crossing at Salford Nelson, east side of Gore Ettrick Street, Invercargill Bridges, Culverts, &c.,— Groins south end of Rakaia Bridge Rockwork groins, Rangitata Island bank Deepening overflow channel, Rangitata Lowering culverts between Heathcote and Hillsborough Painting bolts, Ashley Bridge Lowering culverts, Jackson's Creek, Opawa Branch	320 709 0	8 17 0 12 19 16	11 0 0 	180	10	10	Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton Repairs to offices, Christchurch, after fire Platform lamp at Kirwee (Malvern) Repairs to Stores Manager's office Stable at Addington for shunting horses Removing Kirwee Station and new platform Removing Inspector of Permanent Ways office, Kaiapoi to Rangiora Cupboards at West Oxford Station	6 4 40 2 14 11 91	18 12 19 7 11 8 4 19 3 18 11	7 9 8 9 9 2 3			
Level crossing at Salford Nelson, east side of Gore Ettrick Street, Invercargill Bridges, Culverts, &c.,— Groins south end of Rakaia Bridge Rockwork groins, Rangitata Island bank Deepening overflow channel, Rangitata Lowering culverts between Heathcote and Hillsborough Painting bolts, Ashley Bridge Lowering culverts, Jackson's Creek, Opawa Branch Driving piles, south bank Waimakariri	320 709 0 52 58	8 17 0 12 19 16	11 0 0 11 1 0 3 6	180	10	10	Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton Repairs to offices, Christchurch, after fire Platform lamp at Kirwee (Malvern) Repairs to Stores Manager's office Stable at Addington for shunting horses Removing Kirwee Station and new platform Removing Inspector of Permanent Ways office, Kaiapoi to Rangiora Cupboards at West Oxford Station 6 consignment-note boxes Gas-meter, booking office, Christchurch Altering old fitting shop, Christchurch, for	6 4 40 2 14 11 91	18 12 19 7 11 8 4 19 3 18 11	7 98 9 9 2 3 9 3 5			
Level crossing at Salford Nelson, east side of Gore Ettrick Street, Invercargill	320 709 0 52 58 27 43	8 17 0 12 19 16 19 17	11 0 0 	180	10	10	Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton Repairs to offices, Christchurch, after fire Platform lamp at Kirwee (Malvern) Repairs to Stores Manager's office Stable at Addington for shunting horses Removing Kirwee Station and new platform Removing Inspector of Permanent Ways office, Kaiapoi to Rangiora Cupboards at West Oxford Station 6 consignment-note boxes Gas-meter, booking office, Christchurch Altering old fitting shop, Christchurch, for Stores Department	6 4 40 2 14 11 91	18 12 19 7 11 8 4 19 3 18 11	7 98 9 9 2 3 9 3 5			
Level crossing at Salford Nelson, east side of Gore Nelson, east side of Gore	320 709 0 52 58 27 43 9	8 17 0 12 19 16 19 17 8	11 0 0 3 6 3 10 2 2 2	180	10	10	Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton Repairs to offices, Christchurch, after fire Platform lamp at Kirwee (Malvern) Repairs to Stores Manager's office Stable at Addington for shunting horses Removing Kirwee Station and new platform Removing Inspector of Permanent Ways office, Kaiapoi to Rangiora Cupboards at West Oxford Station 6 consignment-note boxes Gas-meter, booking office, Christchurch Altering old fitting shop, Christchurch, for Stores Department Office for Inspector of Permanent Way,	6 4 14 40 2 14 11 91 15 3 6 5	18 12 19 7 11 8 4 19 3 18 11 19	7 9 8 9 9 2 3 9 3 5 6 0			
Level crossing at Salford Nelson, east side of Gore Nelson, east side of Gore Ettrick Street, Invercargill	320 709 0 52 58 27 43 9	8 17 0 12 19 16 19 17	11 0 0 3 6 3 10 2 2 2	180	10	10	Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton Repairs to offices, Christchurch, after fire Platform lamp at Kirwee (Malvern) Repairs to Stores Manager's office Stable at Addington for shunting horses Removing Kirwee Station and new platform Removing Inspector of Permanent Ways office, Kaiapoi to Rangiora Cupboards at West Oxford Station 6 consignment-note boxes Gas-meter, booking office, Christchurch Altering old fitting shop, Christchurch, for Stores Department Office for Inspector of Permanent Way, Hornby	6 4 14 40 2 14 11 91 15 3 6 5 85	18 12 19 7 11 8 4 19 3 18 11 19 7	7 9 8 9 9 2 3 9 3 5 6 0 0			
Level crossing at Salford Nelson, east side of Gore Nelson, east side of Gore Ettrick Street, Invercargill	320 709 0 52 58 27 43 94 82	8 17 0 12 19 16 19 17 8 14	11 0 0 3 6 3 10 2 2 6	180	10	10	Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton Repairs to offices, Christchurch, after fire Platform lamp at Kirwee (Malvern) Repairs to Stores Manager's office Stable at Addington for shunting horses Removing Kirwee Station and new platform Removing Inspector of Permanent Ways office, Kaiapoi to Rangiora Cupboards at West Oxford Station 6 consignment-note boxes Gas-meter, booking office, Christchurch Altering old fitting shop, Christchurch, for Stores Department Office for Inspector of Permanent Way, Hornby Extra fittings, Rakaia Station	6 4 40 2 14 11 91 15 3 6 5 85	18 12 19 7 11 8 4 19 3 18 11 19	798992 3 9356 0 02			
Level crossing at Salford Nelson, east side of Gore Nelson, east side of Gore Ettrick Street, Invercargill	320 709 0 52 58 27 43 9 64 82	8 17 0 12 19 16 19 17 8	11 0 0 — 11 1 0 0 3 6 0 3 10 2 2 6 6 10	180	10	10	Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton Repairs to offices, Christchurch, after fire Platform lamp at Kirwee (Malvern) Repairs to Stores Manager's office Stable at Addington for shunting horses Removing Kirwee Station and new platform Removing Inspector of Permanent Ways office, Kaiapoi to Rangiora Cupboards at West Oxford Station 6 consignment-note boxes Gas-meter, booking office, Christchurch Altering old fitting shop, Christchurch, for Stores Department Office for Inspector of Permanent Way, Hornby Extra fittings, Rakaia Station Cupboards, &c., Papanui Station Door, Chertsey goods shed (framing)	6 4 40 2 14 11 91 15 3 6 5 85	18 12 19 7 11 8 4 119 3 118 111 119 7 112 4	798992 3 9356 0 020			
Level crossing at Salford Nelson, east side of Gore Nelson, east side of Gore Ettrick Street, Invercargill	320 709 0 52 58 27 43 9 64 82	8 17 0 12 19 16 1 19 17 8 14	11 0 0 — 11 1 0 0 3 6 0 3 10 2 2 6 6 10	180	10	10	Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton Repairs to offices, Christchurch, after fire Platform lamp at Kirwee (Malvern) Repairs to Stores Manager's office Stable at Addington for shunting horses Removing Kirwee Station and new platform Removing Inspector of Permanent Ways office, Kaiapoi to Rangiora Cupboards at West Oxford Station 6 consignment-note boxes Gas-meter, booking office, Christchurch Altering old fitting shop, Christchurch, for Stores Department Office for Inspector of Permanent Way, Hornby Extra fittings, Rakaia Station Cupboards, &c., Papanui Station Door, Chertsey goods shed (framing) Removing water-closet from locomotive	6 4 14 40 2 14 11 91 15 3 6 5 85	18 12 19 7 11 8 4 119 7 12 4 111 8 6 6	7989992 3 9356 0 0206			
Level crossing at Salford	320 709 0 52 58 27 43 9 64 82	8 17 0 19 16 19 17 8 14	11 0 0 — 11 1 0 0 3 6 0 3 10 2 2 6 6 10	180	10	10	Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton Repairs to offices, Christchurch, after fire Platform lamp at Kirwee (Malvern) Repairs to Stores Manager's office Stable at Addington for shunting horses Removing Kirwee Station and new platform Removing Inspector of Permanent Ways office, Kaiapoi to Rangiora Cupboards at West Oxford Station 6 consignment-note boxes Gas-meter, booking office, Christchurch Altering old fitting shop, Christchurch, for Stores Department Office for Inspector of Permanent Way, Hornby Extra fittings, Rakaia Station Cupboards, &c., Papanui Station Door, Chertsey goods shed (framing) Removing water-closet from locomotive shop, Christchurch.	6 4 14 40 2 14 11	18 12 19 7 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	798992 3 9356 0 0206 1			
Level crossing at Salford	320 7099 0 52 58 27 43 9 64 82 66 40	8 17 0 12 19 16 1 19 17 8 14 12 0	11 0 0 3 6 3 10 2 2 6 10 2 8	180	10	10	Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton Repairs to offices, Christchurch, after fire Platform lamp at Kirwee (Malvern) Repairs to Stores Manager's office Stable at Addington for shunting horses Removing Kirwee Station and new platform Removing Inspector of Permanent Ways office, Kaiapoi to Rangiora Cupboards at West Oxford Station 6 consignment-note boxes Gas-meter, booking office, Christchurch Altering old fitting shop, Christchurch, for Stores Department Office for Inspector of Permanent Way, Hornby Extra fittings, Rakaia Station Cupboards, &c., Papanui Station Door, Chertsey goods shed (framing) Removing water-closet from locomotive shop, Christchurch. New concrete floor in shed at Lyttelton	6 4 14 40 2 14 11 1 . 91 15 3 6 5 5 85 30 10 6 2 4 138	18 12 19 7 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	798992 3 9356 0 0206 17			
Level crossing at Salford	320 7099 0 52 58 27 43 9 64 82 66 40	8 17 0 12 19 16 1 19 17 8 14 12 0	11 0 0 3 6 3 10 2 2 6 6 10 2	180	10	10	Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton Repairs to offices, Christchurch, after fire Platform lamp at Kirwee (Malvern) Repairs to Stores Manager's office Stable at Addington for shunting horses Removing Kirwee Station and new platform Removing Inspector of Permanent Ways office, Kaiapoi to Rangiora Cupboards at West Oxford Station 6 consignment-note boxes Gas-meter, booking office, Christchurch Altering old fitting shop, Christchurch, for Stores Department Office for Inspector of Permanent Way, Hornby Extra fittings, Rakaia Station Cupboards, &c., Papanui Station Door, Chertsey goods shed (framing) Removing water-closet from locomotive shop, Christchurch New concrete floor in shed at Lyttelton Extra fittings, Rakaia Station	6 4 14 40 2 14 11 1 . 91 15 3 6 5 5 85 30 10 6 2 4 138	18 12 19 7 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	798992 3 9356 0 0206 17			
Level crossing at Salford Nelson, east side of Gore	3200 7099 0 522 58 27 433 9 64 82 66 40 2	12 19 16 19 17 8 14 12 0	11 0 0 0 3 6 3 10 2 2 6 6 10 2 8 1	180	10	10	Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton Repairs to offices, Christchurch, after fire Platform lamp at Kirwee (Malvern) Repairs to Stores Manager's office Stable at Addington for shunting horses Removing Kirwee Station and new platform Removing Inspector of Permanent Ways office, Kaiapoi to Rangiora Cupboards at West Oxford Station 6 consignment-note boxes Gas-meter, booking office, Christchurch Altering old fitting shop, Christchurch, for Stores Department Office for Inspector of Permanent Way, Hornby Extra fittings, Rakaia Station Cupboards, &c., Papanui Station Door, Chertsey goods shed (framing) Removing water-closet from locomotive shop, Christchurch New concrete floor in shed at Lyttelton Extra fittings, Rakaia Station Extra shelving in parcels office, Christ-	6 4 4 4 4 9 1 1 1 5 3 6 5 8 5 8 5 4 1 3 8 2 4 4 1 1 6 2 4 1 6 2 6 2 6 2 6 2 6 2 6 2 6 2 6 2 6 2 6	18 12 19 7 11 18 4 1 11 19 7 7 12 4 1 11 11 11 11 11 11 11 11 11 11 11 11	798992 3 9356 0 0206 170			
Level crossing at Salford	320 7099 0 52258 2743 964 82 6640 2	12 19 16 19 17 8 14 12 0	11 0 0 0 3 6 3 10 2 2 6 6 10 2 8 1	180	10	10	Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton Repairs to offices, Christchurch, after fire Platform lamp at Kirwee (Malvern) Repairs to Stores Manager's office Stable at Addington for shunting horses Removing Kirwee Station and new platform Removing Inspector of Permanent Ways office, Kaiapoi to Rangiora Cupboards at West Oxford Station 6 consignment-note boxes Gas-meter, booking office, Christchurch Altering old fitting shop, Christchurch, for Stores Department Stores Department Cupboards, &c., Papanui Station Cupboards, &c., Papanui Station Door, Chertsey goods shed (framing) Removing water-closet from locomotive shop, Christchurch New concrete floor in shed at Lyttelton Extra shelving in parcels office, Christ- church Cun Cuphoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Station Cuptoral Rakaia Stat	6 4 14 40 2 14 11 1 . 91 15 3 6 5 5 85 30 10 6 2 4 138	18 12 19 7 11 18 4 1 11 19 7 12 4 1 11 11 19 1 18 11 11 19 1 11 11 11 11 11 11 11 11 11 1	798992 3 9356 0 0206 17			
Level crossing at Salford Nelson, east side of Gore	3200 7099 0 522 58 27 433 9 64 82 66 40 2	12 19 16 19 17 8 14 12 0	11 0 0 0 3 6 3 10 2 2 6 6 10 2 8 1	180	10	10	Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton Repairs to offices, Christchurch, after fire Platform lamp at Kirwee (Malvern) Repairs to Stores Manager's office Stable at Addington for shunting horses Removing Kirwee Station and new platform Removing Inspector of Permanent Ways office, Kaiapoi to Rangiora Cupboards at West Oxford Station 6 consignment-note boxes Gas-meter, booking office, Christchurch Altering old fitting shop, Christchurch, for Stores Department Office for Inspector of Permanent Way, Hornby Extra fittings, Rakaia Station Door, Chertsey goods shed (framing) Removing water-closet from locomotive shop, Christchurch New concrete floor in shed at Lyttelton Extra fittings, Rakaia Station Extra shelving in parcels office, Christ- church Alterations at Timaru Station for Tele- graph Department	6 4 14 40 2 14 11 1 . 91 15 3 6 5 85 30 10 6 2 2 138 2 2	18 12 19 7 11 18 4 1 19 7 11 2 4 1 11 11 11 11 11 11 11 11 11 11 11 11	798992 3 9356 0 0206 170 2 0			
Level crossing at Salford	3200 7099 0 522 58 277 433 964 82 666 40 2 1,003	8 17 0 12 19 16 19 17 8 14 12 0 2 5 1	11 0 0 3 6 3 10 2 2 6 6 10 2 8 1 5 0	180	10	10	Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton Repairs to offices, Christchurch, after fire Platform lamp at Kirwee (Malvern) Repairs to Stores Manager's office Stable at Addington for shunting horses Removing Kirwee Station and new platform Removing Inspector of Permanent Ways office, Kaiapoi to Rangiora Cupboards at West Oxford Station 6 consignment-note boxes Gas-meter, booking office, Christchurch, for Stores Department Office for Inspector of Permanent Way, Hornby Extra fittings, Rakaia Station Cupboards, &c., Papanui Station Door, Chertsey goods shed (framing) Removing water-closet from locomotive shop, Christchurch New concrete floor in shed at Lyttelton Extra fittings, Rakaia Station Extra shelving in parcels office, Christ- church Alterations at Timaru Station for Tele- graph Department Shitting coal-shed and tanks at Timaru	6 4 14 4 4 4 4 9 1 1 1 1 5 3 3 6 5 5 8 5 3 9 1 1 1 3 8 2 2 2 2 2 2 2 2 2 2 2 6 1 3 2 6	18 12 19 7 7 18 11 19 7 7 12 14 11 19 1 1 19 1 1 1 19 1 1 1 1 1 1 1	798992 3 9356 0 0206 170 2 06			
Level crossing at Salford	3200 7099 0 522 58 277 433 9 64 82 1,003 175 39 25	8 17 0 12 19 16 19 17 8 14 12 0 2 5 1	11 0 0 3 6 3 10 2 2 6 6 10 2 8 1 5 0 0	180	10	10	Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton Repairs to offices, Christchurch, after fire Platform lamp at Kirwee (Malvern) Repairs to Stores Manager's office Stable at Addington for shunting horses Removing Kirwee Station and new platform Removing Inspector of Permanent Ways office, Kaiapoi to Rangiora Cupboards at West Oxford Station 6 consignment-note boxes Gas-meter, booking office, Christchurch Altering old fitting shop, Christchurch, for Stores Department Office for Inspector of Permanent Way, Hornby Extra fittings, Rakaia Station Cupboards, &c., Papanui Station Door, Chertsey goods shed (framing) Removing water-closet from locomotive shop, Christchurch Extra fittings, Rakaia Station Extra fittings, Rakaia Station Extra shelving in parcels office, Christ- church Extra fittings at Timaru Station for Tele- graph Department Shifting coal-shed and tanks at Timaru Erecting tank and spouting at Otaio	6 4 14 40 2 14 11	18 12 19 7 18 18 11 11 19 7 7 12 4 11 11 16 11 16 11 16 11 16 11 16 11 17 18 18 18 11 19 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 1	798992 3 9356 0 0206 170 2 063			
Level crossing at Salford	3200 7099 0 52 58 27 43 9 64 82 2 1,003 175 39 25 22	8 17 0 12 19 16 19 17 8 14 12 0 2 5 1	11 0 0 3 6 3 10 2 2 6 6 10 2 8 1 5 0 0 5	180	10	10	Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton Repairs to offices, Christchurch, after fire Platform lamp at Kirwee (Malvern) Repairs to Stores Manager's office Stable at Addington for shunting horses Removing Kirwee Station and new platform Removing Inspector of Permanent Ways office, Kaiapoi to Rangiora Cupboards at West Oxford Station Gonsignment-note boxes Gas-meter, booking office, Christchurch Altering old fitting shop, Christchurch, for Stores Department Stores Department Cupboards, &c., Papanui Station Cupboards, &c., Papanui Station Door, Chertsey goods shed (framing) Removing water-closet from locomotive shop, Christchurch New concrete floor in shed at Lyttelton Extra fittings, Rakaia Station Extra shelving in parcels office, Christ- church Alterations at Timaru Station for Tele- graph Department Shifting coal-shed and tanks at Timaru Erecting tank and spouting at Otaio Temporary telegraph fittings, Maheno	6 4 14 40 2 14 11 1	18 12 19 1 18 4 19 3 18 11 11 19 1 19 1 19 1 19 1 19 1	798992 3 9356 0 0206 170 2 0630			
Level crossing at Salford	3200 7099 0 52258 27743 9644 822 66640 2 1,003 1755 39 225 222 2	8 17 0 12 19 16 1 19 0 19 17 8 14 12 0 2 5 1 3 0 1 19	11 0 0 3 6 3 10 2 2 6 10 2 8 1 5 0 0 5 7 7	180	10	10	Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton Repairs to offices, Christchurch, after fire Platform lamp at Kirwee (Malvern) Repairs to Stores Manager's office Stable at Addington for shunting horses Removing Kirwee Station and new platform Removing Inspector of Permanent Ways office, Kaiapoi to Rangiora Cupboards at West Oxford Station 6 consignment-note boxes Gas-meter, booking office, Christchurch Altering old fitting shop, Christchurch, for Stores Department Stores Department Cupboards, &c., Papanui Station Door, Chertsey goods shed (framing) Removing water-closet from locomotive shop, Christchurch New concrete floor in shed at Lyttelton Extra fittings, Rakaia Station Extra fittings, Rakaia Station Extra fittings, Rakaia Station Louder Station Extra fittings, Rakaia Station Louder Station Station Extra fittings, Rakaia Station Extra fittings, Rakaia Station Extra fittings, Rakaia Station Extra shelving in parcels office, Christchurch Alterations at Timaru Station for Telegraph Department Shifting coal-shed and tanks at Timaru Erecting tank and spouting at Otaio Temporary telegraph fittings, Maheno Furniture for Shag Junction (shifting)	6 4 14 40 2 14 11 1	18 12 19 7 11 18 4 19 3 18 11 19 1 19 1 19 1 19 1 19 1 19	798992 3 9356 0 0206 170 2 06305			
Level crossing at Salford	3200 7099 0 52258 27743 9644 822 66640 2 1,003 1755 39 225 222 2	8 17 0 12 19 16 19 17 8 14 12 0 2 5 1	11 0 0 3 6 3 10 2 2 6 1 5 0 0 5 7 8	180			Temporary sheep-yards at Cust New closet at Opawa Office in goods shed, Ashburton Repairs to offices, Christchurch, after fire Platform lamp at Kirwee (Malvern) Repairs to Stores Manager's office Stable at Addington for shunting horses Removing Kirwee Station and new platform Removing Inspector of Permanent Ways office, Kaiapoi to Rangiora Cupboards at West Oxford Station 6 consignment-note boxes Gas-meter, booking office, Christchurch Altering old fitting shop, Christchurch for Stores Department Office for Inspector of Permanent Way, Hornby Extra fittings, Rakaia Station Cupboards, &c., Papanui Station Door, Chertsey goods shed (framing) Removing water-closet from locomotive shop, Christchurch New concrete floor in shed at Lyttelton Extra fittings, Rakaia Station Extra shelving in parcels office, Christ- church Alterations at Timaru Station for Tele- graph Department Shifting coal-shed and tanks at Timaru Erecting tank and spouting at Otaio Temporary telegraph fittings, Maheno Furniture for Shag Junction (shifting) New coal-shed at Oamaru	6 4 14 40 2 14 11 15 3 6 5 5 10 6 2 2 13 26 5 5 1 77	18 12 19 1 18 4 19 3 18 11 11 19 1 19 1 19 1 19 1 19 1	798992 3 9356 0 0206 170 2 063051			

RETURN No. 40-continued.

HURUNUI-BLUFF SECTION.

DETAILS of EXPENDITURE showing Amounts Charged to Additions and Alterations during the Financial Year ended 31st March, 1881.

		•					
Station Buildings—continued.	\mathcal{L} s. d. \mathcal{L} s. d.	Dwelling-houses,	£	s. d	. £	s.	d.
Temporary loading gauge at Oamaru	8 13 8	Dwelling-houses,— Renovating house at Addington	122	14 10)		
Alterations, old Supreme Court, Dunedin	41 13 4	Stable at Addington	57	18 10			
Loading-platform at Henley	23 14 10	Papering ceiling, Bridge-keeper's house,	٠.				
Additions to passenger station, Dunedin	25 I 8	South Rakaia	I	18 6	5		
Erection of tank at Goodwood	၀ ၇ ၀	Additional room to house at Kirwee	22	14 10)		
New office in goods shed, Dunedin	5 18 5	Shifting partition, Stationmaster's house,		•			
Ironwork for overhead lift, Dunedin	ő 18 ő	Dunsandel	2	5 1			
Alterations, Council Chambers	87 16 g	Repairing 3 cottages in shop-yard, Ad-		J			
Partition at drill-shed, Dunedin	2 14 6	dington	55	3 9	1		
Making way-bill boxes with padlocks	14 12 7	Improvements to station-house, Hinds		13			
Fittings for pay office, Dunedin	13 15 3	Water-closet for Stationmaster's house,		- 3			
Sinking sumph, Port Chalmers	7 15 0	Ngapara	2	19 9	1		
Tank-stand, Ravensbourne	6 3 10	Shifting huts from Queen's Flat		3			
Making name-boards for Milton and Bal-	5 3 25	Shifting ganger's house from off railway		3			
clutha	1 12 4	land at Washdyke	2	14	,		
Alterations, Telegraph Office, Waikouaiti	10 8 0	Extra tank for Stationmaster's house,	3	-4			
Self-acting water supply, Dunedin water-		Timoru	6	7 0	,		
closets	17 12 7	Fencing Stationmaster's house, Waitapeka	7.7	10 11			
Loading-gauge, Dunedin Station	15 12 10	2 onoming Stationina ster 5 mouse, Wattapena		10 1	319	4	17
Alterations to water-closets at Caversham	2 10 5				319	**	′
Separating gas-meters, Dunedin Station	3 1 5	Tools and Implements,—					
Earth-ramp, Ravensbourne platform	5 16 0	Signal lamna for main line gange	2.1	т.			
Painting Clinton Station	22 8 9	Cincal Lands C. Tattalkan and an	31 6	2 8			
Alterations, Clinton platform	,		16				
Name-boards at Mataura and Edendale	5 4 10 2 8 1	9 simpal disas		_			
man and a contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the cont	21 0 10	Dia dance it at a transfer dia		•			
Office for Inspector of Permanent Way,	21 0 10	Workshops at Insurance will		11 9			
	28 27 7	workshops at invercargin	49	10 0		• •	
Clinton Foreman of Works office, Dunedin	38 17 5	Sundries				19	7
	16 14 1 17 2 8	Sundles	5	13 (6
	1, 2 0				5	13	U
Enlarging one race, cattle-yards, &c., Centre	T. T. A						
Bush	14 17 2			#	38,197	6	<u>7</u> ,
·	1,105 19 2						

RETURN No. 41.

Account of Transactions between the New Zealand Railways and the Rakaia and Ashburton Forks Railway.

Dec. 12, 1880,		£ s.	d.	By apportionment as under:	£	s.	d.
to	To Passengers, parcels, goods,			Rakaia and Ashburton Forks Company	1,665	I	2
Mar. 31, 1881.	and receipts	4,405 11	0	Government	2,740	9	10
				· ·			
		£4,405 11	0		£4,405	11	0
				·			

Account of Transactions between the New Zealand Railways and the Waimea Plains Railway.

Oct. 25, 1880, to	To Passengers,	parcels, goo			d.	By apportionment as under:— £ s. d. Waimea Plains Railway 1,825 1 11
Mar. 31, 1881.	and receipts	•••	6,274		<u> </u>	Government 4,449 10 10
			£6,274	12	9	£6,274 12 9