

## APPENDIX B.

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

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

I have the honour to submit the following report upon the various works under my control completed and in progress throughout the Dominion during the period from the 1st July, 1930, to the 30th June, 1931.

As in previous years, the principal operations consist of the construction of railways, roads, and hydro-electric undertakings, in that order, followed by buildings, irrigation, lighthouses, river-control, and other miscellaneous works. Although in the graph showing the ratios of the various subdivisions to the whole, telegraph-extension is shown as absorbing 5·16 per cent. of the total funds expended, this work, although paid for out of the Public Works Fund, is supervised and carried out, in the main, by the Telegraph Department itself, and is consequently not reported on here.

A considerable amount of the building-work totalling 11·38 per cent. of our operations includes schools, which until recently have been directly controlled by the Education Department, but in future will come under your more direct control.

Although a very considerable reduction was made part-way through the year in the scope of the railway-construction, this branch of the Department's work, in volume, is still far ahead of any other branch of the Department's operations.

## RAILWAYS.

## ABSTRACT.

The following table shows the expenditure on Government railways in New Zealand up to the 31st March, 1931:—

Name of Railway.	Total Length of Railway or Section.	Open for Traffic.	Expenditure to 31st March, 1931.
	M. ch.	M. ch.	£
Kaihu Valley .. .. .	24 32	24 32	180,133
Otiria-Ngapuhi .. .. .	13 45	13 45	127,371
Opuā Wharf - Onerahi .. .. .	58 6	58 6	608,288
Kioreroa-Waiotira .. .. .	19 79	19 79	420,533
North Auckland Main Trunk Railway (from Helensville)	189 75	94 39	4,307,263
Helensville - Te Awamutu, with Branches (including Auckland-Westfield Deviation) .. .. .	215 35	170 51	6,883,462
Frankton Junction - Thames, with Branches .. .. .	127 35	125 53	1,833,472
Thames Valley - Rotorua .. .. .	69 33	69 33	431,040
Rotorua-Taupo .. .. .	54 40	..	38,211
Tauranga-Opotiki, with Branches .. .. .	145 32	59 09	1,493,585
Gisborne-Opotiki .. .. .	93 44	49 32	625,086
Napier-Gisborne (including Waikokopu Branch) .. .. .	231 44	50 33	3,713,180
Wellington-Napier and Palmerston North (including Te Aro Extension, Greytown and Martinborough Branches, and Hutt Valley Railway) .. .. .	258 62	235 76	4,401,855
Wellington-Waitara, with Branches .. .. .	350 11	308 42	5,161,128
Stratford-Okahukura .. .. .	112 47	47 40	2,782,726
North Island Main Trunk (Marton - Te Awamutu), including Raetihi Branch and Waipa Gravel-access Railway .. .. .	225 79	218 39	3,167,413
Picton-Waipara (South Island Main Trunk Railway)—			
Picton southwards .. .. .	92 38	56 6	884,504
Waipara northwards .. .. .	90 45	44 14	525,712
Nelson-Greymouth .. .. .	177 51	129 50	957,627
Stillwater - Arthur's Pass .. .. .	51 41	50 41	1,979,126
Rollestone - Arthur's Pass (including Whitecliffs Branch) .. .. .	92 59	84 45	1,036,996
Westport-Ngakawau .. .. .	19 56	19 56	209,023
Westport-Ngakawau Extension to Mokihinui* .. .. .	7 12	7 12	..
Mokihinui Colliery Line† .. .. .	3 69	3 69	..
Westport-Cape Foulwind‡ .. .. .	7 0	7 0	..
Westport-Inangahua .. .. .	26 0	5 74	554,939
Ngahere-Blackball .. .. .	3 40	3 40	147,882
Greymouth-Rewanui and Branches .. .. .	11 34	11 34	334,351
Greymouth-Waitaha .. .. .	50 32	38 68	423,158
Waipara-Waitaki, with Branches .. .. .	459 34	413 70	3,548,356
Canterbury Interior Main Line—Oxford-Temuka .. .. .	83 0	11 44	59,942
Waitaki-Bluff, with Branches .. .. .	600 21	570 14	6,229,098
Otago Central .. .. .	182 51	147 27	1,447,713
Invercargill-Kingston, with Mararoa Branch .. .. .	117 4	97 44	396,790
Forest Hill Railway—Winton-Hedgehope§ .. .. .	12 40	12 40	23,337
Western Railways .. .. .	94 8	78 49	464,916
Preliminary surveys .. .. .	..	..	36,264
General charges not yet apportioned .. .. .	..	..	2,908
Miscellaneous .. .. .	..	..	10,337
Stock of permanent-way on hand .. .. .	..	..	1,478
Rolling-stock and omnibuses .. .. .	..	..	11,468,636
<b>Total .. .. .</b>	<b>4,873 54</b>	<b>3,339 46</b>	<b>  66,417,839</b>
PROVINCIAL GOVERNMENT LINES, ETC.			
Canterbury (lengths included above) .. .. .	..	..	731,759
Otago and Southland .. .. .	..	..	372,522
Gisborne to Ormond Tramway .. .. .	..	..	4,975
Midland Railway, valuation of works constructed by company .. .. .	..	..	¶683,460
<b>Grand total .. .. .</b>	<b>4,873 54</b>	<b>3,339 46</b>	<b>68,210,555</b>

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

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

‡ The funds for this line—namely, £93,450—were provided by the Westport Harbour Board.

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

|| Includes expenditure on railways under Hutt Road and Railway Improvement, Railway Improvement Authorization Act, and Railway Improvement Authorization Act 1914 Accounts.

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