

1941.
NEW ZEALAND.

STATE COAL-MINES.

(REPORT ON THE WORKING OF) FOR THE YEAR ENDED 31st MARCH, 1941.

Prepared in accordance with the requirements of Section 184 of the Coal-mines Act, 1925.

REPORT ON SOUTH ISLAND STATE COAL-MINES.

The SUPERINTENDENT, State Coal-mines, Greymouth, to the UNDER-SECRETARY, Mines Department, Wellington.

SIR,—

1st May, 1941.

I have the honour to submit my annual report on the working of the State coal-mines (South Island) for the year ended 31st March, 1941.

LIVERPOOL COLLIERY.

Coal-winning.—The gross output for the year was 166,528 tons 14 cwt., an increase of 14,593 tons 16 cwt. when compared with the figures for the previous year. After making allowances for stocks on hand, and deducting mine consumption and waste, there remained for disposal 160,291 tons 14 cwt. 1 qr., which is accounted for as follows :—

	Screened.	Unscreened.	Small.	Total.
	Tons cwt. qr.	Tons cwt. qr.	Tons cwt. qr.	Tons cwt. qr.
Shipped	1,118 13 1	14,388 3 3	46,351 6 2	61,858 3 2
Railed Canterbury	685 13 1	5,633 8 0	36,446 15 0	42,765 16 1
Local sales	45,524 16 0	1,093 12 1	4,356 9 2	50,974 17 3
Mine sales .. ..	..	75 0 0	..	75 0 0
Sales to workmen, and free issues .. ..	..	1,852 7 1	..	1,852 7 1
Stock in bin and yard	50 0 0	800 0 0	1,419 15 2	2,269 15 2
Stock on wharf .. ..	..	66 9 2	429 4 2	495 14 0
	47,379 2 2	23,909 0 3	89,003 11 0	160,291 14 1
Used on works .. ..	..	5,850 0 0	..	5,850 0 0
Waste .. ..	..	1,068 14 0	..	1,068 14 0
Totals	47,379 2 2	30,827 14 3	89,003 11 0	167,210 8 1

The gross output from the colliery since its inception amounts to 3,460,246 tons 19 cwt.

During the year the colliery worked on 233 days, an increase of 24 days when compared with the previous year. The possible working-days, excluding Saturdays and union holidays, were 266.* The difference between the days worked and the possible working-days is accounted for as follows : Dispute *re* horse-driver, 2 days ; Anzac Day, 1 day ; May Day, 1 day ; *re* truckers, 5 days ; slips, 6 days ; heavy rain, 3 days ; non-issue of pay tickets, 1 day ; Labour Day, 1 day ; funeral of victims of Kaye and party disaster, 1 day ; no orders, 2 days ; Christmas holidays, 10 days.

Employees.—In connection with coal-winning, the average number of persons employed in and about the mine was 319 men and 16 boys, made up as follows—Underground : Hewers, 90 ; deputies, shiftmen, and truckers, 177 ; boys, 1. On the surface : 52 men and 15 boys.

Expenditure.—The total expenditure in connection with coal-winning for wages, stores, mine timber, and compensation, together with subsidies on railway tickets and cost of fuel used on works, amounted to £138,295 13s. 8d., as compared with £117,519 4s. 6d. for the previous year.

Coal-hewers' Average Daily Earnings.—The coal-hewers' average daily earnings (gross) were £2 5s. 2d. per day, and after deducting stores (explosives) their net return was £2 1s. 3d., an increase of 3s. 8d. per day when compared with the previous year.

Daily Output. The average daily output was 714 tons 14 cwt., and the coal-hewers' average daily output was 8 tons 19 cwt., as compared with 726 tons 19 cwt. and 8 tons 3 cwt. respectively for the previous year.

* Includes five back Saturdays worked.

Deficiencies.—The total amount paid under the minimum-wage clause was £22 17s. 7d.
Accidents.—Several serious accidents and a number of minor accidents occurred during the year, of which the following is a summary :—

- A collier received a fracture of both leg and ankle when he was caught by a fall of coal.
- A shiftman was caught between a truck and prop, resulting in his pelvis being fractured.
- A trucker had his arm caught between two trucks, resulting in a fracture of the wrist.
- A shiftman was struck by an empty truck, his ankle being fractured.
- A collier was struck by a piece of falling coal and received a fracture of the arm.

Mine Workings, Morgan Seam.—The major portion of the operations in the Morgan seam was pillar extraction in the Nos. 1 and 2 banks, Morgan West, and Nos. 2 and 4 banks, Morgan East. Development work was carried out in the No. 3 bank, Morgan West, and levels were driven in a westerly direction. In the bottom level the coal is pitching at an angle of 60°. In the cross-cut section the gradients are becoming less steep and the coal is of a harder nature. In the Morgan main east level, two dips have been started and driven a distance of 12 chains, practically due south, in coal approximately 30 ft. in thickness. Development work in this section has been carried out with coal-cutting machines, one “Eickhoff” and one “Korfmann” machine being used. All shot-holes were bored by a rotary compressed-air machine. Both headings have been driven next to the hard mudstone roof, resulting in a saving of timber and greater safety on the main haulage-road. A small panel to the west has been developed by ordinary hand methods, and in this panel all places have been driven on the floor. A small barrier of sufficient thickness to isolate this section from the older Morgan East working has been left.

Concrete Stoppings.—All necessary stoppings to isolate the fire area in the Morgan East section have been completed.

Kimbell and Anderson Seams. In the Kimbell west dip section, development places to the rise are still being driven in coal of good quality, but the grades are very irregular. To the west, all solid places have been completed, and a barrier left adjacent to the No. 1 bank fire area in the Main Kimbell west level.

Anderson Dip. Development work to the dip has been stopped, the grade being 1 in 1½. Two levels east and two levels west are being driven to work the coal between the converging faults.

Pillar-extraction, West Level. Pillar-extraction has been carried out in the West Level, Kimbell dip, and when nearing completion a heating occurred and the area was sealed off. Considerable quantities of gas are being given off. The coal in the section is of a soft nature.

No. 8 Section. All solid work has been completed, and pillar-extraction has been commenced in Nos. 6 and 7 banks. Pillar-extraction in the No. 1 Kimbell West was completed during the year.

Endless-rope Haulage. Preparations have been made to install an endless-rope haulage in the Kimbell and Morgan dips, but owing to delays in the delivery of the plant the work has not been completed.

Repairs and Maintenance.—All necessary repairs to buildings, viaducts, &c., have been carried out. A start has been made to re-lay the hoist road with 40 lb. rails, and the work is now well in hand.

Stone-dusting. Work under this heading has been continued. The total number of samples taken from the Liverpool Colliery and analysed was 459.

Viaduct. The substance mentioned in previous annual reports has continued, and constant realigning of the viaduct and hoist-road is necessary.

JAMES COLLIERY.

Coal-winning. The gross output for the year was 22,936 tons 4 cwt., a decrease of 1,819 tons 4 cwt. when compared with the figures for the previous year. After making allowance for stocks on hand and slack raised, and deducting mine consumption and waste, there remained for disposal 22,951 tons 7 cwt. 1 qr., which is accounted for as follows :—

—	Screened.	Unscreened and Nuts.	Small.	Slack.	Total.
	Tons cwt. qr.	Tons cwt. qr.	Tons cwt. qr.	Tons cwt. qr.	Tons cwt. qr.
Shipped	5,969 18 3	167 15 1	.. ..	5,760 15 0	11,898 9 0
Railed Canterbury ..	8,687 9 1	572 3 3	382 15 0	.. ..	9,642 8 0
Local sales	130 15 0	7 11 3	.. ..	302 10 1	440 17 0
Sold to workmen, and free issues	.. ..	.. ..	.. ..	.. ..	.. ..
Stock in bin and yard ..	.. ..	20 0 0	.. ..	280 0 0	300 0 0
Stock on wharf	211 0 1	.. ..	.. ..	54 8 0	265 8 1
Stock on dump .. ..	.. ..	.. ..	.. ..	404 5 0	404 5 0
	11,999 3 1	767 10 3	382 15 0	6,801 18 1	22,951 7 1
Used on works .. ..	.. ..	97 0 0	.. ..	.. ..	97 0 0
Waste .. ..	.. ..	794 4 0	.. ..	.. ..	794 4 0
Totals	14,999 3 1	1,658 14 3	382 15 0	6,801 18 1	23,842 11 1

The gross output from the colliery since its inception amounts to 622,519 tons 9 cwt.

During the year the colliery worked on 246 days 6 hours, an increase of 20 days 6 hours when compared with the previous year. The possible working-days, excluding Saturdays and union holidays, were 266.* The difference between the days worked and the possible working-days is accounted for as follows: Anzac Day, 1 day; May Day, 1 day; strike *re* truckers, 4 days 2 hours; electrical defect, 1 day; Labour Day, 1 day; funeral of victims of Kaye and party disaster, 1 day; Christmas holidays, 10 days.

Employees.—In connection with coal-winning, the average number of persons employed in and about the mine was 42 men and 2 boys, made up as follows: Underground: Hewers, 16; deputies, shiftmen, and truckers, 21. On the surface: 5 men and 2 boys.

Expenditure.—The total expenditure in connection with coal-winning for wages, stores, mine timber, and compensation, together with subsidies on bus fares and cost of fuel used on works, amounted to £17,885 14s. 2d., as compared with £20,353 14s. 8d. for the previous year.

Coal-hewers' Average Daily Earnings.—The coal-hewers' average daily earnings (gross) were £1 14s. 8d. per day, and after deducting stores (explosives) their net return was £1 8s. 2d., a decrease of 1s. per day when compared with the previous year.

Daily Output.—The average daily output was 92 tons 19 cwt., and the coal-hewers' average daily output was 6 tons 8 cwt., as compared with 109 tons 11 cwt. and 6 tons 12 cwt. respectively for the previous year.

Deficiencies.—The total amount paid under the minimum-wage clause was £117 0s. 11d.

Stone-dusting.—Work under this heading has been continued. The total number of samples taken from the James and Strongman Collieries and analysed was 161.

Underground Workings.—Coal-winning operations during the year were carried on in both pillar and solid workings. Pillar-extraction has been continued to the east and west of the main north headings.

Development Work.—Development work is still proceeding in a north-easterly direction, and to the west has been stopped adjacent to the fault, as the coal at this point is of an inferior quality. East of the main north heading the places are approaching a fault-line which will cut off all development in this direction.

Repairs.—All necessary repairs to haulage-roads, &c., have been carried out.

Serious Accident.—The only serious accident at the James Colliery occurred when a collier fell from a canch, struck the end of a rail, and injured his spine.

STRONGMAN COLLIERY.

Coal-winning.—The gross output for the year was 77,862 tons 7 cwt., as compared with 43,836 tons 9 cwt. for the previous year, an increase of 34,025 tons 18 cwt. After deducting mine consumption and waste, and making allowances for stocks on hand, there remained for disposal 77,054 tons 8 cwt. 1 qr., which is accounted for as follows:—

	Screened.	Unscreened.	Nuts.	Peas.	Fines.	Railway.	Mixtures.	Total.
	Tons cwt. qr.	Tons cwt. qr.	Tons cwt. qr.	Tons cwt. qr.	Tons cwt. qr.	Tons cwt. qr.	Tons cwt. qr.	Tons cwt. qr.
Shipped ..	14,842 17 2	5,104 10 3	6,870 11 2	10,159 0 3	3,493 0 3	2,323 10 0	..	42,793 11 1
Railed Canterbury	11,969 4 2	1,196 2 3	3,343 11 1	3,177 3 1	2,083 11 0	695 9 0	..	22,465 1 3
Local sales ..	2,249 7 1	979 15 2	1,125 11 2	239 1 3	481 9 3	3,976 0 1	..	9,051 6 0
Mine sales ..	..	70 13 3	..	..	..	..	..	70 13 3
Sales to workmen, and free issues	..	1,655 9 3	..	..	..	..	..	1,655 9 3
Stock in bin and yard	..	25 0 0	35 0 0	43 19 2	40 0 0	..	..	143 19 2
Stock on wharf ..	255 19 0	7 9 0	6 8 0	173 9 1	..	..	..	443 5 1
Stock on dump ..	..	..	..	..	431 1 0	..	..	431 1 0
	29,317 8 1	9,039 1 2	11,381 2 1	13,792 14 2	6,529 2 2	6,994 19 1	..	77,054 8 1
Used on works ..	..	430 0 0	..	..	..	..	..	430 0 0
Waste ..	..	1,502 7 0	..	..	..	..	..	1,502 7 0
Totals ..	29,317 8 1	10,971 8 2	11,381 2 1	13,792 14 2	6,529 2 2	6,994 19 1	..	78,986 15 1

The gross output from the colliery since its inception amounts to 123,196 tons 6 cwt.

During the year the colliery worked on 247 days 6 hours, an increase of 22 days 6 hours when compared with the previous year. The possible working-days, excluding Saturdays and union holidays, were 266*. The difference between the days worked and the possible working-days is accounted for as follows: Anzac Day, 1 day; May Day, 1 day; strike *re* truckers, 4 days 2 hours; Labour Day, 1 day; funeral of victims of Kaye and party disaster, 1 day; Christmas holidays, 10 days.

Employees.—In connection with coal-winning, the average number of persons employed in and about the mine was 165 men and 19 boys, made up as follows—Underground: Hewers, 47; deputies, shiftmen, and truckers, 81, boys, 7. On the surface: 37 men and 12 boys.

Expenditure.—The total expenditure in connection with coal-winning for wages, stores, mine timber, and compensation, together with subsidies on bus fares and cost of fuel used on works, amounted to £72,754 9s. 7d., as compared with £41,201 18s. 11d. for the previous year. Capital expenditure, £13,337 5s. 6d., as compared with £15,558 17s. 2d.

* Includes five back Saturdays worked.

Coal-hewers' Average Daily Earnings.—The coal-hewers' average daily earnings (gross) were £2 1s. 1d. per day, and after deducting stores (explosives) their net return was £1 18s. 1d., an increase of 6s. 1d. per day when compared with the figures for the previous year.

Daily Output.—The average daily output was 314 tons 5 cwt., and the coal-hewers' average daily output was 6 tons 14 cwt., as compared with 194 tons 16 cwt. 2 qrs. and 6 tons 8 cwt. respectively for the previous period.

Deficiencies.—The total amount paid under the minimum-wage clause was £86 19s. 6d.

Underground Workings.—Coal-winning operations at this colliery were confined to development work in both the upper and lower seams.

No. 1 Heading.—West of the 90 ft. fault, the main north heading was driven a distance of 10 chains in coal varying from 17 ft. to 20 ft. in thickness. At this point, owing to the fault displacement, it was found that the upper and lower seams had met, and the main heading was continued in the lower seam for a distance of 2 chains. From the main north No. 1 heading, parallel headings have been driven in the lower seam to the dip in an easterly direction for a distance of 6 chains. The coal in this seam is more friable than that of the upper seam. West of the No. 1 north heading, development work was continued for a distance of $4\frac{1}{2}$ chains, where a fault, cutting off all the west levels, was encountered. Development work to the north is still being continued in the upper seam.

No. 2 North Heading, Upper Seam.—From the main level east of the 90 ft. fault, development work has been continued to the north between two parallel faults approximately 12 chains apart. A distance of 12 chains has been driven. One panel has been developed in coal 21 ft. in thickness.

Main East Heading.—From a point at the intersection with the main south level, the main east heading was driven a distance of 8 chains, rising 1 in 5, when a 30 ft. upthrow fault was met with. The fault was crossed in the companion heading, and development was continued to the east, the main east heading remaining stopped on the fault pending the result of prospecting operations in the back heading.

Main South Heading.—Parallel headings were driven in coal a distance of $7\frac{1}{2}$ chains. At this point the fault first encountered in the main east heading was again struck. Places in stone were driven across the fault, and after driving a further distance of $8\frac{1}{2}$ chains in coal a second fault, known as the "Docherty" fault, was met. Prospecting operations are now being carried on, and the coal-seam has been located approximately 40 ft. vertically above its former level. The work of crossing this fault is now in hand.

South Dip.—A small panel of coal below the south level is being worked. Faults have cut off all main development headings in this section. The many faults encountered during the year have seriously retarded an increase in output from this colliery.

Serious Accidents.—The following serious accidents occurred during the year at the Strongman colliery :—

A rope-boy had his foot caught between the buffers of two boxes, which caused a fracture of the bones of the foot.

A deputy was struck by a piece of coal which fractured the fibula of his right leg.

Bathhouse.—The addition to the reinforced-concrete bathhouse is nearly completed. Work has been stopped owing to lack of tradesmen.

A reinforced-concrete building to serve as lamp-room, ambulance-room and "proto" room, has been completed.

I have, &c.,

C. J. STRONGMAN, Superintendent.

REPORT ON NORTH ISLAND STATE COAL-MINES.

The DISTRICT MANAGER, State Coal-mines, Mangapehi, to the UNDER-SECRETARY, Mines Department, Wellington.

SIR,—

9th June, 1941.

I have the honour to submit my report on the working of the State coal-mines (North Island) for the year ended 31st March, 1941.

MANGAPEHI COLLIERY.

Coal-winning.—The gross output since coal-production commenced on the 28th May, 1940, was 13,213 tons 0 cwt. 1 qr., and after deducting mine consumption and waste there remained for disposal 12,064 tons 18 cwt., which is accounted for as follows :—

	Screened, Kitchen, &c.	Unscreened.	Slack.	Total.
	Tons cwt. qr.	Tons cwt. qr.	Tons cwt. qr.	Tons cwt. qr.
Sales to Railways Department	3,564 5 1	61 16 3	33 14 3	3,659 16 3
Depot and local sales	2,672 15 3	346 14 3	5,310 11 0	8,330 1 2
Sales to workmen, and free issues	74 19 3	..	..	74 19 3
Used on works	6,312 0 3	408 11 2	5,344 5 3	12,064 18 0
Waste	..	487 0 0	..	487 0 0
	..	661 2 1	..	661 2 1
Totals	6,312 0 3	1,556 13 3	5,344 5 3	13,213 0 1

During the year the mine worked on 209 days out of a possible 224 days (excluding Saturdays and union holidays, and including 3 back Saturdays worked). The difference between the days worked and the possible working-days is accounted for as follows: Washout on road, 1 day; breakdown of boiler, 1 day; shortage of wagons, 1 day; Christmas holidays, 10 days; King's Birthday, 1 day; and Labour Day, 1 day.

Employees.—The total number of employees when the mine commenced production was 14, but this number was gradually increased throughout the year, and at the 31st March there were employed in and about the mine 55 men and 2 boys, made up as follows: Underground: Coal-hewers, 17; deputies, shiftmen, and truckers, 22. On the surface: 16 men and 2 boys.

Expenditure.—The total expenditure in connection with coal-winning for wages, stores, mine timber, and compensation, together with the subsidy on bus fares and the cost of fuel used on works, amounted to £10,893 19s. 2d.

Coal-hewers' Average Daily Earnings.—The coal-hewers' average daily earnings were (gross) £2 8s. 8d., and after deducting stores (explosives) their net return was £2 3s. 11d.

Daily Output.—The daily output when the mine commenced was approximately 30 tons per day, but this was gradually increased throughout the year, and at the 31st March the daily output was 145 tons. The average daily output per coal-hewer was 9 tons 4 cwt.

Deficiencies.—During the year no payments were made under the minimum wage clause.

Accidents.—During the year there were a few minor accidents but none of a serious nature.

Development.—This mine was taken over by the State Coal-mines at the beginning of May, 1940. The plant and the mine were reconditioned. Coal-production commenced on the 27th May from the development of the ninth and tenth levels, to the west of the main dip heading, in good-quality coal.

During the year development in this direction was continued for 7 chains and, although irregularities have been met with in the roof and floor, the coal has maintained a good quality.

Development work to the east of the main dip has been carried on from Nos. 7 and 8 levels, and the No. 7 level has been extended a distance of 15 chains. To the rise Nos. 1 and 2 panels are being worked.

Owing to irregularities in the roof and floor the coal-seam has varied in thickness from 12 ft. to 20 ft., but the quality has been maintained.

Return Airway.—The upper portion of No. 2 back heading has been reconditioned and extended to the surface and is now being used as the main return airway.

Ventilating-fan.—A new 45 inch Sirocco propeller-type fan, driven by a Diesel engine, has been installed for mine ventilation.

Plant.—The D.C. electrical plant has been reconditioned and is now in fair order. Arrangements have been made to obtain power from the Waitomo Power Board, and the transmission-line from Te Kuiti is under construction. A.C. plant is being purchased, and preparations are in hand for the change over from D.C. to A.C.

Rolling-stock.—The mine trucks previously in use at the mine have been discarded and replaced by new trucks fitted with heavier drawbars and 12-in.-diameter wheels. The surface and underground tracks have been re-equipped throughout with new rails, crossings, and flat-sheets. New jig-wheels, ropes, chains, and couplings have also been installed.

Screening Plant and Bins.—A new screening plant, capable of handling 40 tons per hour, and storage bins of a capacity of 150 tons have been erected adjacent to the mine entrance.

Access Road and Loading-bank.—The access road, approximately one mile in length, between the loading-bank and screens has been repaired, widened, and metalled, and the loading-ramp on Ellis and Burnand's siding has been rebuilt and lengthened. The ramp now accommodates four railway-wagons, and the different classes of coal can be loaded without shunting the wagons.

Siding and Weighbridge.—The railway-siding has been extended to accommodate approximately fifty trucks as follows: Twenty empty wagons on the mine side of the ramp, fourteen loaded wagons between the ramp and the weighbridge, and a further fourteen loaded wagons between the weighbridge and the main line.

The weighbridge has been reconditioned and installed.

Mine Buildings.—The following buildings have been erected: Mine-manager's, underviewer's, and clerk's offices, fan-house, blacksmith's shop, temporary bathhouse, weigh-cabin, and shelter-shed.

Accommodation for Workmen.—Approximately 15 acres of land one and a half miles from the mine and on the south side of Ellis Road was purchased for a township site and social amenities. Five five-roomed and four four-roomed cottages have so far been erected and are occupied by employees. The subdivision of the land and the supervision of the erection of the cottages is being carried out by officers of the Housing Construction Department. Two double huts for single men have been erected near the mine.

Geological Survey.—A geological survey of the locality has been completed by the Geological Survey Department. A report of this survey has been submitted and a boring programme recommended to determine the extent of the coalfield.

TATU COLLIERY.

The work of reconditioning the mine and plant was started during April, 1940, and coal-production on a small scale from No. 2 mine was commenced in July. Owing to the difficulties of mining coal from the old workings, work was abandoned at the end of August, and it was decided to open up a new part of the field by driving two stone dip headings.

Output.—During the year 566 tons of coal was won from development work.

Stone Dip Drives.—Return Drive: The grade of this drive is 1 in $2\frac{1}{2}$ and the coal-seam was struck after driving 180 ft. This drive was completed at the end of February, and development in the coal-seam was carried on in a small way from that time. The seam is 7 ft. thick overlain by a band of fireclay, 6 in. in thickness, next to the main roof, which is fairly good.

Main Drive.—Work in this drive has just been commenced. The drive is to be at a grade of 1 in 5 and should tap the coal-seam at a distance of approximately 360 ft.

Mine Plant.—A 180 C.F.M. Diesel-driven compressor has been installed for pumping and power drills. A 55 h.p. multitubular boiler has been installed near the mine entrance to be used for haulage, pumping, and ventilation. The remainder of the plant has been reconditioned to deal with a small output.

Access Road.—A new access road $2\frac{3}{4}$ miles in length has been constructed connecting Waro Road to the mine entrance.

Buildings.—A boilerhouse, store, and blacksmith's shop have been erected at the mine, and a commencement made on the erection of a mine-manager's residence in the Ohura Township.

Geological Survey.—A geological survey of the locality has been completed by officers of the Geological Survey Department.

I have, &c.,

J. HADCROFT, District Manager.

NEW ZEALAND STATE COAL-MINES.
COLLIERY SALES ACCOUNTS FOR YEAR ENDED 31ST MARCH, 1941.

Dr.	LIVERPOOL.	JAMES.	STRONGMAN.	MANGAPEHI.	Ct.	LIVERPOOL.	JAMES.	STRONGMAN.	MANGAPEHI.
Railway haulage	£ 13,296	£ 1,884	£ 7,262	£ 2,145	Sales of coal f.o.r., c. and f., and f.o.b. ..	£ 200,111	£ 32,683	£ 120,468	£ 11,768
Wharfage	2,654	479	1,599	..					
Special rate	758	137	457	..					
Marine freight	42,443	9,082	30,577	..					
	59,151	11,582	39,895	2,145					
	140,960	21,101	80,573	9,623					
Working Account : Coal sales net f.o.r. ..	£200,111	£32,683	£120,468	£11,768		£200,111	£32,683	£120,468	£11,768

COLLIERY WORKING ACCOUNTS FOR YEAR ENDED 31ST MARCH, 1941.

Dr.	LIVERPOOL.	JAMES.	STRONGMAN.	MANGAPEHI.	Ct.	LIVERPOOL.	JAMES.	STRONGMAN.	MANGAPEHI.
Stocks on hand, 1st April, 1940	£ 1,363	£ 293	£ 1,142	£ ..	Subsidy	£ 10,663	£ 1,416	£ 5,051	£ 927
Coal-winning—					Sales Account : Sales of coal f.o.r. ..	140,960	21,101	80,573	9,623
Wages	112,780	14,759	54,759	7,326	Sales of power .. ..	..	..	..	..
Stores and materials	10,170	1,014	7,433	1,154	Stocks on hand at 31st March, 1941, at	2,709	334	1,028	..
Rail and bus fares	1,008	181	1,547	95	mine, wharf, and afloat, as per Stock	..	..	..	..
Coal purchased	6	3	39	..	Account	..	..	..	..
Electric power .. ..	..	84	1,510	..	Surplus in bin stocks .. ..	..	..	..	..
	125,327	16,334	66,430	8,575					
	29,005	6,517	20,222	1,975					
Gross profit : To Profit and Loss Account ..	£154,332	£22,851	£86,652	£10,550		£154,332	£22,851	£86,652	£10,550

NEW ZEALAND STATE COAL-MINES—continued.
COLLIERY PROFIT AND LOSS ACCOUNTS FOR THE YEAR ENDED 31ST MARCH, 1941.

Dr.	LIVERPOOL.	JAMES.	STRONGMAN.	MANGAPEHI.	Cr.	LIVERPOOL.	JAMES.	STRONGMAN.	MANGAPEHI.
Bad Debts Reserve	£ 20	£ ..	£ 25	£ 5	Gross profit at mine	£ 29,005	£ 6,517	£ 20,222	£ 1,975
Rents .. ..	..	50	89	..	Rents	419	..	..	53
Interest	2,684	208	7,632	206	Net loss: Transferred to General Profit .. ..	..	..	2,156	184
Travelling-expenses	95	15	47	145					
Printing and stationery	103	16	51	13					
Repairs and maintenance	5,973	785	2,847	625					
Telegrams and postages	396	59	196	90					
Insurance	6,112	770	3,271	401					
Coal-miners' Relief Fund	345	46	160	25					
General expenses	646	76	281	47					
Audit fees	117	16	58	5					
Superannuation Fund subsidy	47	8	23	..					
Depreciation	5,145	349	5,975	435					
Rescue-station levy	488	62	224	..					
Advertising	62	124	124	62					
Salaries	2,344	550	1,375	153					
Net profit: Transferred to General Profit and Loss Account	24,577 4,847	3,134 3,383	22,378 ..	2,212 ..					
	£29,424	£6,517	£22,378	£2,212		£29,424	£6,517	£22,378	£2,212

MacDONALD COLLIERY PROFIT AND LOSS ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 1941.

Dr.	Cr.
Depreciation	£ 200
Interest	5,127
Net profit: Transferred to General Profit and Loss Account	£5,327

NEW ZEALAND STATE COAL-MINES—continued.

DEPOT TRADING ACCOUNTS FOR THE YEAR ENDED 31ST MARCH, 1941.

Dr.	WELLINGTON.	CHRISTCHURCH.	Cr.	WELLINGTON.	CHRISTCHURCH.
Stocks on hand at 1st April, 1940	£ 3,326	£ 7,687			
Purchases of coal	208,079	72,047		224,571	102,007
Purchases of wood, coke, &c. ..	8,761	2,347		10,766	4,048
Wharfage and freights	2,701	31			
Haulage to depot	1,937	19,988			
Wages—Discharging	245	518		4,977	6,580
Gross profit—To Profit and Loss Account	15,666	10,516		401	499
	£240,715	£113,134		£240,715	£113,134

DEPOT PROFIT AND LOSS ACCOUNTS FOR THE YEAR ENDED 31ST MARCH, 1941.

Dr.	WELLINGTON.	CHRISTCHURCH.	WANGANUI.	Cr.	WELLINGTON.	CHRISTCHURCH.	WANGANUI.
Advertising	£ 186	£ 186	£ ..				
Wages—Yard	1,836	2,280	..		15,666	10,516	£ ..
Salaries	1,793	1,531	..		..	..	29
Rents	429	124	..		..	..	21
Interest	277	121	..				
Travelling-expenses	158	53	..				
Repairs and maintenance	576	481	37				
Postages and telegrams	250	160	..				
Printing and stationery	206	87	..				
Insurance	39	42	2				
Cartage	4,613	3,142	..				
Sacks	383	364	..				
General expenses	677	153	..				
Audit fees	59	10	..				
Superannuation Fund subsidy	18	24	..				
Reserve for bad debts	494	40	..				
Rates	13	..	..		
Depreciation	401	322	11				
Net profit—To General Profit and Loss Account	3,258	1,396	..				
	£15,666	£10,516	£50		£15,666	£10,516	£50

NEW ZEALAND STATE COAL-MINES—*continued*.

GENERAL PROFIT AND LOSS ACCOUNT.

<i>Dr.</i>	£	<i>Cr.</i>	£
Taxation Reserve for income and other taxes	8,236	Balance : Net surplus, 1939-40	9,340
General Reserve	1,104		
	<u>£9,340</u>		<u>£9,340</u>
Net loss, 1940-41—	£	Net profit, 1940-41—	£
Strongman Colliery	2,156	Liverpool Colliery	4,847
Mangapahi Colliery	184	James Colliery	3,383
Wanganui Depot	21	MacDonald Colliery	2,299
	2,361	Wellington Depot	3,258
Runanga water-supply scheme	1,000	Christchurch Depot	1,396
Balance : Net profit for year carried down	25,027		15,183
	<u>£28,388</u>	Net recoveries—	
		Seddonville Colliery	34
		Royalties	4,163
		Stores sales	424
			4,621
		Net revenue from hire of plant, buildings, &c.	123
		Interest on investments	8,461
			<u>£28,388</u>
	£		£
Sinking Fund Account for redemption of loan capital	6,320	Net profit for year 1940-41	25,027
Taxation Reserve for income and other taxes	18,000		
Balance : Net surplus for year 1940-41	707		
	<u>£25,027</u>		<u>£25,027</u>

BALANCE-SHEET AS AT 31ST MARCH, 1941.

<i>Liabilities.</i>	£	£	<i>Assets.</i>	£	£
Loan Capital—			Collieries—		
Securities at 3 per cent.	145,785		Development and Property Accounts	215,559	
Securities at 4 per cent.	51,667	197,452	Machinery, plant, ropes, and rolling-stock	74,818	
			Electrical plant (James Colliery)	1,933	
Accrued interest on loan capital		2,447	Buildings at mines	43,469	
Sundry creditors—			Cottages at mines	13,243	
South Island collieries	31,669		Plantations at mines	641	
North Island collieries	6,285		Coal stocks (bins, wharf, and afloat)	4,071	
Christchurch Depot	3,962		Stores on hand	30,072	
Wellington Depot	2,756	44,672		383,806	
			Less provisionally written off	124	
Deposits on contracts		1,140		383,682	
Sinking Fund		6,320	Prospecting on State coal reserve		985
Reserves—			Plant, equipment, &c., on hire	553	
General Reserve	240,025		Less provisionally written off	4	549
Accident Insurance Reserve	13,523				
Bad Debts Reserve	1,697		Depots—		
Taxation Reserve	18,000		Property Accounts	10,493	
		273,245	Stocks and stores on hand	17,325	
General Profit and Loss Account : Net surplus for year ..	707			27,818	
			Less provisionally written off	4,379	23,439
					6,320
			Sinking Fund investments		
			Housing advances to workmen	24,780	
			Interest accrued due	267	25,047
			Miscellaneous advances	2,011	
			Interest accrued due	7	2,018
			Sundry debtors—		
			South Island collieries	5,567	
			North Island collieries	389	
			MacDonald Colliery	1,196	
			Wellington Depot	53,698	
			Christchurch Depot	9,845	
				70,695	
			Less provisionally written off	474	70,221
					1,140
			Cash in Receiver-General's Deposit Account		
			Cash in Public Account		12,582
		<u>£525,983</u>			<u>£525,983</u>

State Coal-mines Office, Wellington C. 1.

M. L. THOMAS, Accountant.

P. C. WEBB, Minister of Mines.

I hereby certify that the attached Working and Profit and Loss Accounts of Depot and Collieries, General Profit and Loss Account, and Balance-sheet have been duly examined and compared with the relative books and documents submitted for audit, and correctly state the position as disclosed thereby. CYRIL G. COLLINS, Controller and Auditor-General.

NEW ZEALAND STATE COAL-MINES—continued.
STATEMENT OF COLLIERY PROPERTY ACCOUNTS AS AT 31ST MARCH, 1941.

—	LIVERPOOL.	JAMES.	STRONGMAN.	MANGAPEHI.	TAIT.	MacDONALD.	TOTALS.
	£	£	£	£	£	£	£
Development and Property Account—							
Balance at 1st April, 1940 ..	36,383	1,551	115,453	..	..	44,317	..
Additions during year ..	25	2	4,041	3,960	16,048	..	..
Sales ..	36,408	1,553	119,494	..	..	..	..
	..	..	218	..	..	..	..
Sales of coal won during development ..	..	..	119,276	..	595	..	..
Transfers to other accounts ..	..	..	57	..	..	..	..
Ordinary depreciation ..	2,683	..	119,219	92	..	1,244	..
	..	..	1,332	..	..	..	..
	..	..	117,887	..	..	..	..
Less provisionally written off ..	..	7	4	..	..	..	..
Total ..	33,725	1,546	117,883	3,868	15,453	43,073	215,548
Electrical Plant Account—							
Balance at 1st April, 1940 ..	..	1,967	..	..	..	..	..
Additions during year ..	..	330	..	..	..	..	..
Transfers to other accounts ..	..	2,297	..	..	..	..	..
	..	338	..	..	..	..	..
	..	1,959	..	..	..	..	..
	..	26	..	..	..	..	..
Depreciation ..	..	1,933	..	..	..	..	1,933
Total ..	..	..	..	..	..	..	..
Machinery, plant, ropes, and rolling-stock—							
Balance at 1st April, 1940 ..	22,826	1,516	40,767	..	..	..	..
Additions during year ..	3,454	53	5,394	6,690	3,652	..	..
Sales ..	26,280	1,569	46,161	110	..	..	..
	117	60	1,978	..	..	..	..

Transfers to other accounts ..	26,163	1,509	44,183	6,580	..	..	..
	49	164	302	37	..	..	..
Depreciation ..	26,114	1,345	43,881	6,543	..	..	..
	2,726	183	3,647	161	..	..	..
Less provisionally written off ..	23,388	..	..	..	..	..	..
Total ..	82	..	..	..	..	..	..
Carried forward ..	£57,031	£4,641	£158,117	£10,250	£19,105	£43,073	£292,217

NEW ZEALAND STATE COAL-MINES—continued.
STATEMENT OF COLLIERY PROPERTY ACCOUNTS AS AT 31st MARCH, 1941—continued.

	LIVERPOOL.		JAMES.		STRONGMAN.		MANGAPEHI.		TATU.		MacDONALD	TOTALS.
	£	£	£	£	£	£	£	£	£	£	£	£
Brought forward	57,031	..	4,641	158,117	..	10,250	19,105	..	43,073	292,217	£
Buildings at mine—
Balance at 1st April, 1940	..	4,687	..	498	33,163	..	..	..	..	..	..	..
Additions during year	401	..	..	3,417	..	2,791	38	..	..	..	..
Total	5,088	..	..	36,580	..	..	..	..	..	..	..
Sales	11	..	..	..	..	..	..	..
Less depreciation	381	70	..	36,569	69	..	..	..	..	..	..
Total	4,707	..	..	995	..	..	..	..	..	..	..
Less provisionally written off	1	..	428	35,574	..	2,722	38	..	..	..	..
Total	4,706	..	..	..	..	..	..	..	..	..	..
Cottages at mine—
Balance at 1st April, 1940	..	5,374	..	..	..	..	..	..	..	..	..	..
Additions during year	194	..	..	..	..	8,068	..	..	..	..	..
Total	5,568	..	..	..	..	100	..	..	..	..	..
Less depreciation	293	..	..	..	..	..	..	..	..	..	..
Total	5,275	..	..	..	..	..	..	..	..	..	..
Less provisionally written off	20	..	..	..	..	7,968	..	..	..	13,223	..
Total	5,255	..	..	..	..	..	..	..	622	..	..
Plantation at mine: Balance at 1st April, 1940	..	19	..	..	..	..	..	..	..	622	641	..
Coal (stock on hand at mine, wharf, and afloat)
Less provisionally written off	2,709	335	..	1,028	..	..	..	..	..	..	..
Total	1	334	..	1,028	..	..	..	..	..	..
Stores (stock on hand)	..	29,356	..	..	..	..	716	..	..	..	..	..
Less provisionally written off	10	..	..	..	..	..	..	..	..	..	..
Total	29,346	..	..	..	..	716	..	..	..	..	..
Total	£99,066	..	£5,403	£194,719	£21,656	£19,143	£43,695	£383,682	..	..	..

NEW ZEALAND STATE COAL-MINES—continued.
STATEMENT OF DEPOT PROPERTY ACCOUNTS AS AT 31ST MARCH, 1941.

	WELLINGTON.		CHRISTCHURCH.		WANGANUI.		TOTALS.
	£	£	£	£	£	£	£
Depot Property Account—							
Balance at 1st April, 1940 ..	7,049		2,974		74		..
Additions during year ..	79		1,129		..		..
	7,128		4,103				
Sales .. .. .	..		13		..		..
			4,090				
Transfers to other accounts ..	..		69		..		..
			4,021				
Less depreciation ..	397		322		11		..
	6,731		3,699		63		
Less provisionally written off ..	23		67		..		
		6,708		3,632		63	10,403
Stocks and stores on hand ..	6,152		11,173		..		..
Less provisionally written off ..	354		3,935		..		..
		5,798		7,238		..	13,036
	£12,506		£10,870		£63		£23,439

NEW ZEALAND STATE COAL-MINES—*continued*.

STATEMENT OF RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31ST MARCH, 1941.

<i>Receipts.</i>		<i>Payments.</i>	
	£	£	£
Cash in Public Account, 1st April, 1940	18,775	Strongman Colliery—	
Imprests outstanding as at 1st April, 1940	144	Mine development	3,303
	18,919	Plant	66
Proceeds sale of coal, &c.	440,100	Buildings	1,882
Recoveries, refunds, &c.	17,465	Wages	52,754
Royalties	6,656	Special rate	395
	464,221	Coal purchased	48
Interest	22	Subsidized bus fares	1,536
Capital raised	35,000	Electric power	1,508
Dishonoured cheques recredited	197		61,492
Repayment of housing loans	1,867	James Colliery—	
Repayment of other loans	182	Wages	14,426
		Special rate	111
		Coal purchased	2
		Subsidized bus fares	179
		Electric power	87
		Plant	35
			14,840
		Liverpool Colliery—	
		Mine Development	25
		Buildings	153
		Cottages	128
		Wages	109,254
		Special rate	721
		Railway tickets	2,256
		Coal purchased	6
		Plant	31
			112,571
		Mangapehi Colliery—	
		Mine development	1,530
		Plant	5,284
		Cottages	6,803
		Buildings	2,347
		Wages	7,019
		Subsidized bus fares	83
			23,066
		Tata Colliery—	
		Mine development	13,117
		Plant	2,956
			16,073
		Housing loans	10,301
		Other loans	2,155
		Plant and stores—	
		West Coast	47,781
		North Island	2,517
		Wellington Depot Account	30,269
		Christchurch Depot Account	33,547
		Wanganui Depot Account	111
		Coal purchased on account depots: Suspense Account	427
		Refund to Public Works Department: Stores	124
		Superannuation Fund subsidy	120
		Management and office salaries	9,604
		Interest	4,524
		Travelling-expenses	656
		Printing and stationery	257
		Repairs and maintenance	7,135
		Wharfage	4,293
		Railway haulage	20,704
		Marine freights	78,907
		Postages and telegrams	804
		Insurance	93
		Rents	110
		Advertising	758
		Compensation	6,490
		Coal-miners' Relief Fund	535
		General expenses	1,012
		Sinking fund instalment	6,320
		Taxation	8,236
		Audit fees	270
		Cheques dishonoured	197
		Rescue-station levy	774
		Boring and prospecting	750
			152,549
		Cash in Public Account, 31st March, 1941	12,582
	£520,408		£520,408

NEW ZEALAND STATE COAL-MINES—*continued.*

TABLE SHOWING THE POSITION OF THE STATE COAL-MINES ACCOUNT FROM INCEPTION TO 31ST MARCH, 1941.

Name of Works.	Total Capital Expenditure.	Total Amount of Depreciation written off.	Assets as per Balance-sheet, 31st March, 1941.	Net Profits.	Net Losses.	Liabilities as per Balance-sheet, 31st March, 1941.
	£	£	£	£	£	
Point Elizabeth Colliery ..	98,210					
Less sales and loss by fire ..	2,291					
	95,919	95,919	..	147,583	..	..
Liverpool Colliery	345,695					
Less sales, transfers, &c. ..	9,555					
	336,140	269,129	67,011	62,908	..	..
Seddonville Colliery	38,243					
Less sales	549					
	37,694	37,694	..	..	36,822	..
Briquette-works property ..	16,135					
Less sales	2,066					
	14,069	14,069	..	..	22,661	..
Prospecting on State coal reserve	12,799					
Less transfers	10,898					
	1,901	916	985	..	..	..
Strongman Colliery	221,610					
Less sales, transfers, &c. ..	19,589					
	202,021	8,330	193,691	..	5,886	..
Plant, buildings, &c., on hire ..	7,801					
Less sales, transfers, &c. ..	4,043					
	3,758	3,209	549	644	..	..
Charming Creek prospecting ..	5,957	5,957	..	..	5,545	..
James Colliery	74,448					
Less sales, transfers, &c. ..	3,731					
	70,717	65,648	5,069	..	10,810	..
MacDonald Colliery	93,600					
Less recoveries	756					
	92,844	49,149*	43,695	..	26,752	..
Mangapehi Colliery	21,509					
Less sales, transfers, &c. ..	147					
	21,362	422	20,940	..	184	..
Tatu Colliery	19,738					
Less sales, transfers, &c. ..	595					
	19,143	..	19,143	..	..	..
Wellington Depot	21,667					
Less sales and transfers ..	898					
	20,769	14,061	6,708	5,499	..	..
Christchurch Depot	16,416					
Less sales and loss on horses	466					
	15,950	12,318	3,632	20,621	..	..
Wanganui Depot	3,736					
Less sales, loss on horses, transfers, &c. ..	309					
	3,427	3,364	63	..	2,264	..
Dunedin Depot	2,023					
Less sales	641					
	1,382	1,382	..	..	4,248	..
Hulks property	4,034					
Less sales	1,949					
	2,085	2,085	..	1,787	..	..
Office furniture	190					
Less sales	17					
	173	173	..	..	173	..
Grand total	1,003,811					
Less sales, transfers, &c. ..	58,500					
	£945,311	£583,825	£361,486			
Carried forward .. ..	..	..	361,486	239,042	115,345	..

* Includes interest (£30,285 19s. 10d.) capitalized from date of purchase to date lease was granted—now written off.

NEW ZEALAND STATE COAL-MINES—*continued.*TABLE SHOWING THE POSITION OF THE STATE COAL-MINES ACCOUNT FROM INCEPTION TO 31ST MARCH, 1941—*continued.*

Name of Works.	Total Capital Expenditure.	Total Amount of Depreciation written off.	Assets as per Balance-sheet, 31st March, 1941.	Net Profits.	Net Losses.	Liabilities as per Balance-sheet, 31st March, 1941.
	£	£	£	£	£	£
Brought forward	361,486	239,042	115,345	..
Royalties (from 1st April, 1928, only)	58,583*	..	..
Interest on investments	101,222	..	..
Discounts	13	..	..
Cash lost (highway robbery)	89	..
Transfer to Accident Insurance Reserve	2,960	..
Refund: Mines Department, 1932-33 (administrative expenses incurred in previous years)	5,000	..
Runanga water-supply scheme	3,000	..
Stores sales	822	..	..
Taxation	8,236	..
Total, profit and loss	399,682	134,630	..
Balance: Profits over losses	265,052	..
				£399,682	£399,682	..
Stocks on hand less provisionally written off	47,169	..	..	..
Sinking Fund investments	6,320	..	..	..
Sundry debtors	70,221	..	..	..
Cash in Public Account	12,582	..	..	..
Cash in Receiver-General's Deposit Account	1,140	..	..	..
Housing advances to workmen, and accrued interest	25,047	..	..	..
Loan Account	197,452
Bad Debts Reserve	1,697
Accrued interest payable	2,447
Sinking Fund	6,320	..	6,320
General Reserve	240,025	..	240,025
General Profit and Loss Account	707	..	707
Taxation Reserve	18,000	..	18,000
Deposits on contracts	1,140
Accident Insurance Reserve	13,523
Sundry creditors	44,672
Miscellaneous advances and accrued interest	2,018
			£525,983	£265,052	..	£525,983

* Includes interest on sinking fund investments.

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