

1939.
NEW ZEALAND.

STATE COAL-MINES

(REPORT ON THE WORKING OF) FOR THE YEAR ENDED 31st MARCH, 1939.

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

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

12th May, 1939.

SIR,—

I have the honour to submit my annual report on the working of the State coal-mines for the year ended 31st March, 1939.

LIVERPOOL COLLIERY.

Coal-winning.—The gross total output for the year was 136,533 tons 1 cwt., a decrease of 1,273 tons 10 cwt. when compared with the figures of the previous year. After making allowances for stocks on hand, coal purchased, surplus stock taken on charge, and deducting mine consumption and waste there remained for disposal 133,849 tons 14 cwt. 2 qr., which is accounted for as follows :—

—	Screened.	Unscreened.	Small.	Total.
	Tons cwt. qr.	Tons cwt. qr.	Tons cwt. qr.	Tons cwt. qr.
Shipped	2,280 2 1	12,198 12 2	39,881 2 0	54,359 16 3
Railed Canterbury	29,906 16 3	8,391 0 0	25,480 9 1	63,778 6 0
Local sales	4,754 14 3	2,121 5 2	4,126 0 0	11,002 0 1
Mine sales .. ..	..	49 0 0	..	49 0 0
Sales to workmen and free issues .. ..	..	1,954 2 0	..	1,954 2 0
Stock in bin and yard	21 0 0	748 0 0	1,809 14 2	2,578 14 2
Stock on wharf .. ..	..	127 15 0	..	127 15 0
	36,962 13 3	25,589 15 0	71,297 5 3	133,849 14 2
Used on works .. ..	..	4,700 0 0	..	4,700 0 0
Waste .. ..	..	1,026 7 0	..	1,026 7 0
Totals	36,962 13 3	31,316 2 0	71,297 5 3	139,576 1 2

The gross total output from the colliery since its inception amounts to 3,141,783 tons 7 cwt.

During the year the colliery worked on 202 days, an increase of 1 day 5 hours when compared with the previous year. The possible working-days, excluding Saturdays and union holidays, were 245. The difference between the days worked and the possible working-days is accounted for as follows : Lack of trade, 9 ; stoppage on account of fire in mine, 10 ; stoppage on account of building burned down, 1 ; shortage of railway wagons, 2 ; slips on railway-line, 8 ; stoppage *re* bathhouse, 1 ; stoppage *re* trucker, 5 ; stoppage *re* boys, 2 ; deaths of employees, 3 ; death of co-operative party employee, 1 ; failure of examining deputies to report, 1 ; a total of 43 days.

Employees.—In connection with coal-winning the average number of persons employed in and about the mine was 314, made up as follows—Underground : Coal-hewers, 92 ; deputies, shiftmen, and truckers, 140 ; youths, 2. On the surface : 62 men and 18 youths.

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 £106,117 2s. 3d., as compared with £108,208 2s. 2d., for the previous year.

Coal-hewers' Average Daily Earnings.—The coal-hewers' average daily earnings (gross) were £2 0s. 1d. per day, and after deducting stores (explosives) their net return was £1 16s. 11d., an increase of 8d. per day when compared with the figures for last year.

Daily Output.—The average daily mine output was 675 tons 18 cwt. and the coal-hewers' average daily output was 8 tons, as compared with 687 tons 15 cwt. and 7 tons 17 cwt. respectively for the previous year.

Deficiencies.—The total amount paid under the minimum-wage clause was £43 16s. 8d.

Accidents.—In addition to numerous accidents of a minor nature, three fatal and two serious accidents occurred in the Liverpool Colliery :—

Fatal Accidents—

On 5th May, 1938, a miner was struck on the head by a jig prop, the injuries proving fatal on the following day.

On 20th May a miner employed in the Liverpool Colliery strained himself by slipping on a flat-sheet. He died on 21st July as a direct result of acute nephritis contracted following an operation for a direct inguinal hernia.

On 20th September a trucker was struck by a fall of coal, his spine being fractured. His injuries proved fatal on 19th December, 1938.

Serious Accidents—

On the 16th November, 1938, a collier was struck by a fall of coal, fracturing his arm and ribs.

On 24th March, 1939, a miner, received a depressed fracture of the skull and serious scalp wounds as a result of a fall of coal in the Liverpool Colliery.

The total payments under the Workers' Compensation Act amounted to £5,087 2s. 9d. On the output produced, this works out to a cost of 8·94d. per ton.

Outbreak of Fire.—Fire broke out in the No. 1 Morgan east section on 15th August, 1938. The area was sealed off with concrete stoppings.

Mine-workings : Developments.—Anderson Dip Section : No. 2 dip was driven a distance of approximately 10 chains on a gradient of 1 in 2. Two levels were broken away in an easterly and a westerly direction. The coal is of good quality, 10 ft. to 12 ft. in thickness. Roof conditions are adverse in the main dip, but improve in the levels. An increase in the quantity of water in the dip has been experienced, and it will shortly be necessary to provide extra power for pumping purposes.

Kimbell East Level, No. 8 Bank : This level, which has been standing for a period of three years, has been cleaned up and retimbered, and driven for a distance of 3 chains in coal 5 ft. in thickness. A false roof 10 in. thick has been taken down and stowed. A companion level will shortly be started for prospecting purposes.

Kimbell West Dip : Levels to the east have been driven approximately 7 chains in good coal. Steeply inclined headings to the rise are being driven.

Cross-cut No. 3 Morgan West : A pair of headings have been driven a distance of 7 chains in good quality of coal, the gradient being 1 in 2. For ventilation purposes a holing was made to the No. 3 section, Morgan west. Another pair of headings are to be driven 5 chains outbye of the crosscut headings to form a panel. The coal in this area, as proved by a borehole, is 20 ft. in thickness. Owing to the steep gradients this area has not previously been worked. During the year the greater portion of the output was won from pillar-extraction in the Morgan and Kimbell seams.

No. 2 Bank, Morgan East is being reroaded for further pillar-extraction and to provide places for those lost by fire in the No. 1 bank, Morgan east.

Stoppings.—A barrier, the entire width of the Morgan workings, has been completed with wooden stoppings as a precaution against fire outbreaks. Adjacent to the fire area, No. 1 bank, Morgan east, concrete stoppings have been erected to efficiently seal off the fire area. In addition, thirty-five wooden stoppings and seven concrete stoppings have been erected to form a panel. A second line of retreat consists of twenty-eight wooden stoppings.

Repairs.—All necessary repairs to timber, roadways, &c., have been carried out, and the mine is generally in good order.

Future Developments.—It is proposed to extend the dip workings in the Morgan and Kimbell seams. The necessary plant, &c., for this work has been placed on order.

Stone-dusting.—Work under this heading has been continued. The total number of samples taken from the Liverpool Colliery was 573. In addition, seventy-five samples from co-operative mines were analysed.

Plant and Machinery.—The whole of the plant, machinery, and buildings has been maintained in good order. New ropes have been put on the hoist and main haulage roads.

Air-pipes.—A line of 6 in.-compressed-air pipes has been laid to the Kimbell Junction, and a 4 in. line to the Morgan Junction in preparation for driving the dip workings.

Viaduct.—The subsidence mentioned in my last annual report still continues, and it has been found necessary to constantly reline the viaduct throughout the year. It has not yet been considered necessary to suspend the viaduct from ropes, but this project is still being kept in view.

JAMES COLLIERY.

Coal-winning.—The gross total output for the year was 42,649 tons 3 cwt., an increase of 40 tons 16 cwt. when compared with the figures of last year. After making allowances for stocks on hand at the beginning of the year and deducting mine consumption and waste there remained for disposal 46,622 tons 19 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	9,377 3 1	2,657 16 3	..	7,416 8 2	19,451 8 2
Railed Canterbury ..	12,782 10 2	830 15 1	999 5 3	147 18 3	14,760 10 2
Local sales	66 15 2	418 19 3	..	170 3 1	655 18 1
Mine sales .. ..	..	..	..	..	..
Sold to workmen and free issues	..	749 12 0	..	..	749 12 0
Stock in bin and yard	108 0 0	82 0 0	..	321 0 0	511 0 0
Stock on wharf ..	47 1 0	..	..	45 7 0	92 8 0
Stock on dump ..	..	..	..	10,402 2 0	10,402 2 0
	22,381 10 1	4,739 3 3	999 5 3	18,502 19 2	46,622 19 1
Used on works .. ..	..	176 0 0	..	..	176 0 0
Waste .. ..	..	1,039 3 0	..	..	1,039 3 0
Totals	22,381 10 1	5,954 6 3	999 5 3	18,502 19 2	47,838 2 1

The gross total output from this colliery since its inception amounts to 574,827 tons 17 cwt.

Days worked.—During the year the colliery worked on 208 days, a decrease of 32 days when compared with the previous year. The possible working-days, excluding Saturdays and union holidays, were 245. The difference between the days worked and the possible working-days is accounted for as follows : Lack of trade, 18; stoppage *re* bathhouse, 2; death of employee, 1; stoppage *re* truckers, 6; stoppage *re* deficiencies, 2; repairs to Christchurch Depot turntable, 5; stoppage *re* bus, 1; stoppage *re* tokens, 2: a total of 37 days.

Employees.—In connection with coal-winning, the average number of persons employed in and about the mine was 97, made up as follows—Underground: Coal-hewers, 30; deputies, shiftmen, and truckers, 44; youths, 3. On the surface: 17 men and 3 youths.

Expenditure.—The total expenditure in connection with coal-winning for wages, stores, mine timber, and compensation, together with subsidies on bus fares, cost of electric power, and coal used on works, amounted to £32,703 7s. 0d., as compared with £31,132 7s. 5d. for the previous year.

Coal-hewers' Average Daily Earnings.—The coal-hewers' average daily earnings (gross) were £1 17s. 6d., and after deducting stores (explosives) their net return was £1 10s. 8d., an increase of 2s. 9d. per day compared with the previous year.

Daily Output.—The average daily mine output was 205 tons 1 cwt., and the coal-hewers' average daily output was 7 tons, as compared with 177 tons 10 cwt. and 6 tons 10 cwt. respectively for the previous year.

Deficiencies.—The total amount paid under the minimum-wage clause during the year was £58 6s. 11d.

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

The total payments under the Workers' Compensation Act amounted to £1,038 6s. 9d. On the output produced, this works out at a cost of 5·84d. per ton.

Stone-dusting.—Work under this heading has been carried out. The number of samples taken from the mine and analysed was 131.

Plant and Machinery.—Maintenance of the plant and machinery has been somewhat more costly than usual. As the Strongman Colliery reaches the fully productive stage a change-over from the old James Mine rope-road and haulage plant to that of the new mine will take place, when a reduction of maintenance-costs can be looked for.

Underground Working.—Coal-winning operations during the year were carried on in both pillar and solid working. In the sections lying to the west of the main rope-road pillar-extraction has been completed and both sections closed down.

In the west section, Cannel Creek, pillar-extraction has been carried on throughout the year. To the east of the rope-road, Cannel Creek, the development work was discontinued pending the completion of the rope-road to the Strongman Colliery.

In the new dip section development work has been continued. The direction of the main development headings has been changed from north to north-easterly.

The levels being driven in a northerly direction have encountered a fault and have been stopped. Three levels driven to the south have also been stopped on a fault-line. Distance between faults approximately 10 chains.

Pillar Sections.—Coal is being won from pillar-extraction in two sections lying to the west of the James Mine rope-road. The work of extraction will be completed during the coming year.

STRONGMAN COLLIERY.

Coal-winning.—This colliery commenced production on the 31st January, 1939, and the gross total output from that date to 31st March, 1939, was 1,497 tons 10 cwt. After deducting mine consumption and waste there remained for disposal 1,467 tons 15 cwt. which is accounted for as follows:—

	Screened.	Unscreened.	Small.	Total.
	Tons cwt. qr.	Tons cwt. qr.	Tons cwt. qr.	Tons cwt. qr.
Shipped .. ..	..	500 16 2	..	500 16 2
Railed Canterbury ..	17 4 2	336 4 3	..	353 9 1
Local sales .. ..	..	81 5 1	..	81 5 1
Mine sales .. ..	..	3 0 0	..	3 0 0
Sales to workmen and free Issues ..	..	174 14 3	..	174 14 3
Stock in bin and yard ..	..	214 3 0	..	214 3 0
Stock on wharf .. ..	..	140 6 1	..	140 6 1
	17 4 2	1,450 10 2	..	1,467 15 0
Used on works .. ..	..	16 0 0	..	16 0 0
Waste .. ..	..	13 15 0	..	13 15 0
Totals	17 4 2	1,480 5 2	..	1,497 10 0

From its inception the colliery worked on 39 days. The possible working-days, excluding Saturdays and union holidays, were 44. The difference between the days worked and the possible working-days is accounted for as follows: Rope not run on account James Mine not working, 3; stoppage *re* tokens, 2: a total of 5 days.

Employees.—The average number of employees in connection with coal-winning was—Underground, 24; on the surface, 3 men and 1 boy.

Development Work.—The average number of employees on development work throughout the year was 67 men and 4 boys.

All stone tunnels in connection with the Strongman Colliery have been completed, the lengths of which are as follows:—

	Chains.
No. 1 tunnel over top of James Mine haulage road to Cannel Creek ..	29
No. 2 tunnel from Cannel Creek to Nine-mile Creek	35
No. 3 tunnel on rope-road Nine-mile Creek	2·8
No. 4 tunnel from Nine-mile Creek to Coal-face	29
No. 5 return airway	15
Upcast Shaft	0·5
Total driving in stone	111·3

Rope-road.—The spoil from the various tunnels was utilized for surface fillings on the rope-road. The work of grading the rope-road in the James Mine has been completed to a point where it will connect with the tunnel driven over the old rope-road. The road for the full tubs has been laid with 90 lb. to the yard tramway rails, and the road for the empty trucks has been laid with 30 lb. rails on the steep gradients, and with 90 lb. rails where the gradients are slight.

The date for the completion of the change-over of the haulage system from the one now used through the James Mine to the permanent system depends upon the completion of pillar-extraction in the west sections of the James Colliery. The approximate date of change will be December, 1939.

From the coal-face, Strongman Colliery, to cross-cut, James Colliery, a rope-road 113 chains long has been completed, 98 chains of which form part of the permanent road for the conveying of the coal from the new mine to the bin at Rapahoe.

Coal-seam.—The top seam, 23 ft. thick, was struck on 31st January, 1939, a section of which, taken from the borehole close to the fault, is as follows:—

On floor—	Ft. in.
Coal	2 0
Stone	0 8
Coal	1 6
Stone	1 0
Stone and coal	2 0
Coal	15 6
On roof: Shale	0 6
	23 2

The coal is of good quality, and finds a ready market as a household, steam, and gas coal. A typical analysis is as follows:—

Proximate Analysis (on air-dried basis)—

Moisture	..	..	..	..	7.2
Volatile matter	..	..	..	..	39.9
Fixed carbon	..	..	..	..	50.6
Ash	..	..	..	..	2.3
					100.0
Sulphur	..	..	..	..	0.25
Calorific value	..	..	..	..	12,910 B.Th.U. per pound.
Coke	..	..	..	..	Non-swollen lustrous No. 3.

Screening-plant.—The screening and storage plant ordered from Nortons-Tividale, England, arrived, and the erection was immediately commenced. A short description of the plant is as follows:—

Tippler.—The tippler is 6 ft. 6 in. in diameter, two-speed type designed to prevent spilling of coal, and fully automatic in action.

The coal will be discharged on to an inclined reciprocating balanced screen 5 ft. wide and 55 ft. long screening to $1\frac{1}{2}$ in. and $-1\frac{1}{2}$ in. to $+\frac{3}{4}$ in. The coal over $1\frac{1}{2}$ in. passes over the screen and is delivered to a 3 ft. wide flat rubber conveying and picking belt. The material through the $\frac{3}{4}$ in. mesh is delivered by a fixed chute on to a balanced horizontal high-speed screen which screens out all coal below $\frac{1}{2}$ in. The $-\frac{3}{4}$ in. $+\frac{1}{2}$ in. coal passes over this screen, and is delivered on to a 2 ft. 6 in. loading-band, and all below $\frac{1}{2}$ in. mesh to a hopper for loading into wagons. By means of doors in the screens, and fixed chutes, it will be possible to make the following mixtures and sizes: $+1\frac{1}{2}$ in., $-1\frac{1}{2}$ in. to $\frac{3}{4}$ in., $-\frac{3}{4}$ in. to $\frac{1}{2}$ in.; also run-of-mine coal.

Flat rubber conveyors are to be used for picking-belts. Each has a hinged lowering jib for loading the coal into railway wagons without breakage.

The steel storage bin is designed to hold the following sizes and quantities: $-\frac{1}{4}$ in., 400 tons; $-\frac{3}{4}$ in., to $\frac{1}{2}$ in., 400 tons; $-1\frac{1}{2}$ in. to $\frac{3}{4}$ in., 400 tons.

A scraper conveyor elevates the $-1\frac{1}{2}$ in. coal to the top of the storage bin, where it is screened to the various sizes. Spiral chutes minimize the breakage of the coal that is delivered to the bin for storage purposes.

Bathhouse.—The reinforced concrete bathhouse, 60 ft. by 40 ft. with 14 ft. walls, has been erected adjacent to the mine-mouth. The bathhouse is designed to accommodate 100 men. The drying arrangements are designed on the latest air conditioning and heating method.

The boiler now operating consists of fifty-five *Babcock Wilcox* boiler tubes, heated by a No. 4 *Iron Fireman* automatic stoker with thermostatic control, supplying hot water to a heater unit. The thermostat so controls the heater that there is no waste of fuel. The hot water is fed to a heating unit consisting of two *Trane* hot-water heating coils each 36 in. by 24 in. by $7\frac{1}{2}$ in. (two rows) capable of raising 3,500 cubic feet of air per minute from 60° to 150°. A thrust pump, direct coupled to a $\frac{1}{2}$ -horse-power electric motor, capable of delivering 15 gallons of water per minute against a 5 ft. head, is attached to the return pipe of the heater unit, and is automatically controlled by a thermostat in the drying-room. The thermostat has a range of adjustment from 40° to 280° F., and can be set to control the air within a limit of from 5° to 10° F.

A $17\frac{1}{2}$ in. *Sirocco* fan driven by an electric motor is attached to the air-heating unit, and forces the air, through suitable duct work, on to the damp clothes. The duct work is so arranged that cold air can be drawn in from the outside atmosphere or a damper can close off the outside air, and the fan then recirculates the air in the drying-chamber and bathhouse.

The hot air from the drying-room is exhausted from the drying-room under the doors leading to the central part of the bathhouse.

Ventilation.—A reinforced-concrete shaft 34 ft. in depth having been completed, preparations are being made for the transfer of the *Sirocco* fan from the James Mine.

Coal-cutting.—A *Korfmann* coal-cutting machine has been purchased, and is now being used. Owing to the presence of granite pebbles in the coal difficulty has been experienced in cutting the coal-faces. The cutter picks, on striking a pebble, wear rapidly, and it is necessary to change the picks frequently, thus slowing up the cutting-rate and throwing excessive strain on the cutter chain. Despite these drawbacks, the machine is giving good service.

Accidents.—No serious accidents occurred at the Strongman Colliery throughout the year.

C. J. STRONGMAN, Superintendent.

NEW ZEALAND STATE COAL-MINES.
COLLIERY SALES ACCOUNTS FOR THE YEAR ENDED 31ST MARCH, 1939.

Dr.	LIVERPOOL.	JAMES.	Cr.	LIVERPOOL.	JAMES.
	£ s. d.	£ s. d.		£ s. d.	£ s. d.
Railway haulage	10,351 18 11	2,927 3 2	Sales of coal f.o.r., c.i.f., and f.o.b.	165,423 1 10	49,579 4 3
Wharfage	2,241 11 5	803 4 9			
Special rate	640 9 0	230 18 6			
Marine freight	35,187 10 10	11,266 10 1			
	48,421 10 2	15,227 16 6			
Working Account: Coal sales net f.o.r.	117,001 11 8	34,351 7 9			
	£165,423 1 10	£49,579 4 3		£165,423 1 10	£49,579 4 3

COLLIERY WORKING ACCOUNTS FOR THE YEAR ENDED 31ST MARCH, 1939.

Dr.	LIVERPOOL.	JAMES.	Cr.	LIVERPOOL.	JAMES.
	£ s. d.	£ s. d.		£ s. d.	£ s. d.
Stocks on hand, 1st April, 1938	3,200 6 2	833 18 0	Sales Account: Sales of coal f.o.r.	117,001 11 8	34,351 7 9
Coal-winning—			Sales of power	66 5 0	..
Wages	85,973 2 7	26,813 1 6	Stocks on hand at 31st March, 1939, at mine, wharf, and afloat, as per Stock Account	1,799 11 9	751 19 10
Stores and materials	8,363 11 0	1,191 11 4	Surplus in bin stocks	804 3 4	..
Rail and bus fares	585 0 7	318 12 11			
Coal purchased	71 2 3	144 15 10			
Electric power .. ..	..	326 13 8			
	98,193 2 7	29,628 13 3			
Gross profit: To Profit and Loss Account	21,478 9 2	5,474 14 4			
	£119,671 11 9	£35,103 7 7		£119,671 11 9	£35,103 7 7

COLLIERY PROFIT AND LOSS ACCOUNTS FOR THE YEAR ENDED 31ST MARCH, 1939.

Dr.	LIVERPOOL.	JAMES.	Cr.	LIVERPOOL.	JAMES.
	£ s. d.	£ s. d.		£ s. d.	£ s. d.
Salaries	2,575 17 0	831 18 5	Gross profit at mine	21,478 9 2	5,474 14 4
Rents .. ..	..	64 1 1	Rents	419 2 5	..
Interest	2,674 18 10	300 19 6	Net loss: Transferred to General Profit and Loss Account .. ..	..	699 17 4
Travelling-expenses	127 11 7	31 17 11			
Printing and stationery	120 8 8	30 2 2			
Repairs and maintenance	4,336 1 7	1,983 6 6			
Telegrams and postages	341 15 6	82 18 10			
Insurance	4,694 5 6	1,462 10 9			
Coal-miners' Relief Fund	284 7 9	76 3 8			
General expenses	706 19 1	169 0 1			
Audit fees	103 7 7	25 16 10			
Superannuation Fund subsidy	48 4 9	12 1 2			
Depreciation	4,423 0 10	995 2 2			
Rescue-station levy	412 5 4	108 12 7			
	20,849 4 0	6,174 11 8			
Net profit: Transferred to General Profit and Loss Account	1,048 7 7	..			
	£21,897 11 7	£6,174 11 8		£21,897 11 7	£6,174 11 8

MCDONALD COLLIERY PROFIT AND LOSS ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 1939.

Dr.	£ s. d.	Cr.	£ s. d.
Interest	1,879 6 6	Rents	200 5 0
Depreciation	1,230 15 3	Royalties	5,091 16 8
Access road	748 3 11		
Travelling-expenses	8 6 0		
Net profit: Transferred to General Profit and Loss Account	1,425 10 0		
	£5,292 1 8		£5,292 1 8

NEW ZEALAND STATE COAL MINES—*continued*.

GENERAL PROFIT AND LOSS ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 1939.

<i>Dr.</i>	£	s.	d.	£	s.	d.	<i>Cr.</i>	£	s.	d.	£	s.	d.
Net loss—							Net profit—						
James Colliery	699	17	4				Liverpool Colliery	1,048	7	7			
Wanganui Depot	15	12	1				MacDonald Colliery	1,425	10	0			
				715	9	5	Wellington Depot	416	11	7			
Runanga Water-supply scheme				1,000	0	0	Christchurch Depot	925	3	1			
Balance : Net profit for year carried down				13,313	1	11					3,815	12	3
							Net recoveries—						
							Seddonville Colliery	88	6	1			
							Royalties	4,587	3	9			
							Stores sales	224	14	6			
											4,900	4	4
							Net revenue from hire of plant, buildings, &c. ..				128	12	6
							Interest on investments				6,184	2	3
											£15,028	11	4
											£	s.	d.
Sinking Fund Account for redemption of loan capital				11,766	13	8	Net profit for year				13,313	1	11
Balance : Net surplus for year				1,546	8	3							
											£13,313	1	11

NEW ZEALAND STATE COAL-MINES—continued.
STATEMENT OF COLLIERY PROPERTY ACCOUNTS AS AT 31ST MARCH, 1939.

	LIVERPOOL.			JAMES.			MACDONALD.			STRONGMAN.			TOTALS.		
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
Development and Property Account—															
Balance at 1st April, 1938 ..	36,223	3	0	1,545	17	6	46,603	18	9	59,283	3	6			
Additions during year ..	1,910	0	0	..	..	..	..	..	..	44,249	0	1			
Ordinary depreciation ..	38,133	3	0	..	..	..	1,230	15	3	103,532	3	7			
	1,342	10	5							..					
Less provisionally written off ..	36,790	12	7	..	..	..	..	..	..	..	..	..	187,241	17	2
	..	..	..	..	..	..	..	..	..	103,532	3	7			
Electrical Plant Account—															
Balance at 1st April, 1938 ..	..	..	..	2,626	15	2	..	..	..	..	..	..
Depreciation ..	..	..	..	334	19	9	..	..	..	..	..	..
Machinery, Plant, Ropes, and Rolling stock—															
Balance at 1st April, 1938 ..	22,910	7	4	2,790	11	7	..	..	..	15,377	10	11			
Additions during year ..	2,350	5	2	271	17	9	..	..	..	8,966	16	0			
Sales ..	25,260	12	6	3,062	9	4	..	..	..	24,344	6	11			
	38	7	9	..	..	..	..	..	..	..	..	..	2,291	15	5
Transfer to other accounts ..	25,222	4	9	176	13	10	..	..	..	66	2	9			
Depreciation ..	25,222	4	9	2,885	15	6	..	..	..	24,278	4	2			
	2,479	9	11	550	12	9	..	..	..	..	..	..
Less provisionally written off ..	22,742	14	10	2,335	2	9	..	..	..	..	..	..	49,325	1	9
	31	0	0	..	..	..	..	..	..	..	..	..
Buildings at mine—															
Balance at 1st April, 1938 ..	5,151	7	1	726	12	5	..	..	..	3,694	14	11			
Additions during year ..	129	17	2	..	..	..	..	..	..	4,962	2	1			
Less depreciation ..	5,281	4	3	726	12	5	..	..	..	8,656	17	0			
	367	13	6	110	4	8	..	..	..	..	..	..
Less provisionally written off ..	4,913	10	9	616	7	9	..	..	..	..	..	..	14,183	0	6
	3	15	0	..	..	..	..	..	..	..	..	..
Carried forward ..	£64,412	3	2	£6,789	3	5	£45,373	3	6	£136,467	4	9	£253,041	14	10

NEW ZEALAND STATE COAL-MINES—continued.
STATEMENT OF COLLIERY PROPERTY ACCOUNTS AS AT 31ST MARCH, 1939—continued.

	LIVERPOOL.			JAMES.			MACDONALD.			STRONGMAN.			TOTALS.		
	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£
Brought forward	..	..	64,412	3 2	..	..	..	..	..	..	136,467	4 9	253,041	14 10	..
Cottages at mine—	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Balance at 1st April, 1938	3,062	0 3	..	..	..	..	..	..	..	..	..	..	..	..	..
Additions during year	770	0 8	..	..	..	..	..	..	..	..	..	..	..	..	..
Less depreciation	3,832	0 11	..	..	..	..	..	..	..	..	..	..	..	..	..
	211	11 4	..	..	..	..	..	..	..	..	..	..	..	..	..
Plantation at mine—	..	..	3,620	9 7	..	..	..	..	..	..	..	..	3,620	9 7	..
Balance at 1st April, 1938	167	10 5	..	..	..	..	716	15 3	..	..	..	..	..	..	..
Less recoveries	142	16 3	..	..	..	..	62	17 11	..	..	..	..	..	..	..
Coal (stock on hand at mine, wharf, and afloat)	..	..	24	14 2	..	..	..	..	653	17 4	..	..	..	..	..
Stores (stock on hand)	58,862	13 8	2,603	15 1	..	..	..	..	..	..	376	13 7	678	11 6	..
Less provisionally written off	68	0 1	58,794	13 7	..	..	..	..	..	..	..	..	3,732	8 6	..
	..	..	..	..	..	..	..	..	..	..	..	..	58,794	13 7	..
	..	..	£129,455	15 7	..	..	..	..	£46,027	0 10	£136,843	18 4	£319,867	18 0	..

STATEMENT OF DEPOT PROPERTY ACCOUNTS AS AT 31ST MARCH, 1939.

	WELLINGTON.			CHRISTCHURCH.			WANGANUI.			TOTALS.		
	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
Depot Property Account—	..	..	..	..	..	..	..	..	..	..	..	..
Balance at 1st April, 1938	6,292	13 0	..	..	2,908	9 6	104	5 11	..	..	..	..
Additions during year	1,475	6 10	..	..	83	18 6	..	..	..	..	..	..
Sales	7,767	19 10	..	..	2,992	8 0	..	..	..	..	..	..
	15	0 0	..	..	39	10 0	..	..	..	..	..	..
Less depreciation	7,752	19 10	..	..	2,952	18 0	19	9 10	..	..	..	..
	336	13 7	..	..	206	3 11	..	..	..	..	..	..
Less provisionally written off	7,416	6 3	..	..	2,746	14 1	84	16 1	..	..	..	..
	..	..	7,416	6 3	..	..	..	..	..	..	..	..
Stocks and stores on hand	3,677	5 7	..	..	11,794	19 6	..	..	..	..	..	..
Less provisionally written off	245	16 10	..	..	1,225	13 2	..	..	..	..	..	..
	..	..	3,431	8 9	10,569	6 4	..	..	..	..	..	..
	..	..	£10,847	15 0	£13,316	0 5	£84	16 1	..	..	£24,948	11 6

NEW ZEALAND STATE COAL-MINES—*continued.*

TABLE SHOWING THE POSITION OF THE STATE COAL-MINES ACCOUNT FROM INCEPTION TO 31ST MARCH, 1939.

Name of Works.	Total Capital Expenditure.		Total Amount of Depreciation written off.		Assets as per Balance-sheet, 31st March, 1939.		Net Profits.		Net Losses.		Liabilities as per Balance-sheet, 31st March, 1939.	
	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
Point Elizabeth Colliery ..	98,210	9 0										
Less sales and loss by fire ..	2,291	6 11										
	95,919	2 1	95,919	2 1	..		147,583	4 11				
Liverpool Colliery ..	335,479	12 4										
Less sales, transfers, and loss by fire ..	9,279	9 9										
	326,200	2 7	258,142	15 8	68,057	6 11	54,700	1 0			17,283	8 6
Seddonville Colliery ..	38,243	2 5										
Less sales ..	548	17 0										
	37,694	5 5	37,694	5 5	..		..		36,893	4 4	..	
Briquette-works property ..	16,135	2 6										
Less sales of plant ..	2,066	5 0										
	14,068	17 6	14,068	17 6	..		..		22,660	18 10	..	
Prospecting on State Coal Reserve ..	11,601	6 3										
Less transfers ..	10,785	8 0										
	815	18 3	389	4 0	426	14 3	..					
Plant, buildings, &c., on hire ..	7,319	11 6										
Less sales, transfers, &c. ..	3,553	3 9										
	3,766	7 9	3,059	14 5	706	13 4	408	6 1	..			
Charming Creek prospecting ..	5,956	18 6	5,956	18 6	..		..		5,545	1 11		
James Colliery ..	74,038	12 0										
Less sales, transfers, &c. ..	2,765	14 3										
	71,272	17 9	64,483	14 4	6,789	3 5	..		13,120	11 8	2,734	17 10
Development of new mine, Nine-mile Area ..	136,843	18 4	..		136,467	4 9	..		..		1,347	18 3
MacDonald Colliery ..	93,600	4 11										
Less recoveries ..	756	8 1										
	92,843	16 10	46,816	16 0*	46,027	0 10	..		30,719	5 4	..	
Wellington Depot Property ..	21,535	19 6										
Less sales and transfers ..	887	0 2										
	20,648	19 4	13,232	13 1	7,416	6 3	..		273	9 0	918	5 8
Christchurch Depot property ..	14,785	9 10										
Less sales and loss on horses ..	384	3 7										
	14,401	6 3	11,654	12 2	2,746	14 1	18,006	6 4	..		5,600	0 10
Wanganui Depot property ..	3,735	13 0										
Less sales and loss on horses ..	308	18 11										
	3,426	14 1	3,341	18 0	84	16 1	..		2,244	0 0	6	10 0
Dunedin Depot property ..	2,023	3 7										
Less sale of plant ..	641	10 0										
	1,381	13 7	1,381	13 7	..		..		4,248	3 5	..	
Hulks property ..	4,033	15 5										
Less sales ..	1,948	17 0										
	2,084	18 5	2,084	18 5	..		1,786	12 11	..		..
Office furniture ..	189	13 9										
Less sales ..	17	5 0										
	172	8 9	172	8 9	..		..		172	8 9	..	
Grand total ..	863,732	12 10										
Less losses, sales, transfers, &c. ..	36,234	7 5										
	£827,498	5 5	£558,399	11 11	£268,721	19 11						
Carried forward ..	..		..		268,721	19 11	222,484	11 3	115,877	3 3	27,891	1 1

* 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, 1939—*continued.*

Name of Works.	Total Capital Expenditure.	Total Amount of Depreciation written off.	Assets as per Balance-sheet, 31st March, 1939.	Net Profits.	Net Losses.	Liabilities as per Balance-sheet 31st March, 1939.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Brought forward	268,721 19 11	222,484 11 3	115,877 3 3	27,891 1 1
Royalties (from 1st April, 1928, only)	49,877 6 4	..	..
Interest on investments	85,747 5 10*	..	..
Discounts	13 2 9	..	..
Cash lost (highway robbery)	89 0 1	..
Transfer to Accident Insurance Reserve	2,960 0 0	..
Refund: Mines Department, 1932-33 (administrative expenses incurred in previous years)	5,000 0 0	..
Runanga water-supply scheme	1,000 0 0	..
Stores sales	224 14 6	..	..
Total, profit and loss	124,926 3 4	..
Balance: Profits over losses	233,420 17 4	..
				£358,347 0 8	£358,347 0 8	..
Stocks on hand less provisionally written off	76,527 17 2	..	..	..
Interest on investments accrued
Sinking Fund investments	11,767 3 8	..	..	..
Sundry debtors	50,062 13 8	..	..	..
Cash in Public Account	7,625 6 11	..	..	..
Cash in Receiver-General's Deposit Account	1,110 0 0	..	..	..
Housing advances to workmen, and accrued interest	11,679 7 3	..	..	..
Loan Account	154,718 6 8
Bad Debts Reserve	1,240 3 9
Accrued interest payable	1,047 13 5
Sinking Fund	11,767 3 8	..	11,767 3 8
General Reserve	220,107 5 5	..	220,107 5 5
General Profit and Loss Account	1,546 8 3	..	1,546 8 3
Deposits on contracts	1,110 0 0
Accident Insurance Reserve	8,066 6 4
			£427,494 8 7	£233,420 17 4	..	£427,494 8 7

* Includes interest on sinking fund investments.

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