		T 1	. 4					
Summit tunnel, length 6 miles	·	Lin	e A.					£
Excavation		•						179,000
T ! !	•••	•••		•••	•••	•••	• • • •	168,600
Fuel and wages, power-sta		•••				•••		30,000
Service roads to tunnel								13,000
Ventilation constructed	•••	•••		•••	•••		•••	8,000
Haulage of material in an								14,000
Drainpipes	•••	•••	•••		• • • •	• • •		20,000
Permanent-way		•••		• • •			• • •	12,000
Power-station, plant, and								56,470
Permanent ventilation		•••				•••		10,000
Oil plant								5,000
•								
Total, summ	it tunnel							516,070
Bush								460
Rock, 22,500 cubic yards at 5s	. 6d.					• • •		6,187
Shingle, 36,000 cubic yards at							• • •	3,000
Side cutting, 86,000 cubic yard	ls at 1s. 3	3d.						5,375
Tunnel-spoil to bank, 176,000	cubic yaı	rds at 6d.		• • •	• • •		• • • •	4,400
Short tunnel	•••		• • •				• • •	5,300
Bridge at Otira								10,000
Bridge, Barrack Creek	• • •	• • •	***	• • •		• • •		2,500
Bridge, Graham's Creek	• • •				•••	• • •	• • •	500
Culverts	• • •	•••	• • •		• • •		• •	1,900
River-protection	•••	•••	• • • •	• • •	•••	• • •	• • •	5,200
Permanent-way	• • •	• • •	•••	•••	•••		• • •	5,100
Road-diversion	• • •			•••	•••	•••	• • •	150
FT1 _ L _ 1								050C 140
Total, line A		•••	•••	• • •	•••	•••	•••	£566,142
		Line	A 1.					
Summit tunnel, length 4 miles	73 chain		Δ1.					£
Excavation								146,550
Lining		•••	•••		• • •	•••	• • •	137,970
Fuel and wages, power-sta	tion		• • •			•••	• • • •	24,550
Service roads to tunnel		• • • • • • • • • • • • • • • • • • • •		• • •	****	***	• • • •	10,610
Ventilation constructed		•••			•••	•••	• • •	6,550
Haulage of material in and					•••			11,460
Drainpipes		•••						16,380
Permanent-way							• • •	9,730
Power-station, plant, and	buildings							48.000
Power-station, plant, and Permanent ventilation	buildings 					•••	•••	$\frac{48,000}{8,200}$
	•	•••					•••	8,200 5,000
Permanent ventilation Oil plant			•••	•••		•••	•••	8,200 5,000
Permanent ventilation Oil plant Total, summ			•••	•••		•••	•••	$ \begin{array}{r} 8,200 \\ 5,000 \\ \hline 425,000 \end{array} $
Permanent ventilation Oil plant Total, summ Bush	 it tunnel		•••	•••		•••	•••	$ \begin{array}{r} 8,200 \\ 5,000 \\ \hline 425,000 \\ 780 \end{array} $
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar	 iit tunnel ds at 5s.	 6d.		•••				8,200 5,000 425,000 780 19,297
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y	 it tunnel ds at 5s. ards at 1	 6d. s. 8d.		••• .			•••	8,200 5,000 425,000 780 19,297 3,000
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 46,710 cubi	 iit tunnel ds at 5s. ards at 1 c yards a	 6d. s. 8d. at 4s. 6d.					•••	8,200 5,000 425,000 780 19,297 3,000 10,507
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 46,710 cubic Cuttings to spoil, 26,100 cubic	it tunnel ds at 5s. ards at 1 c yards a	 6d. s. 8d. at 4s. 6d. 1s.						8,200 5,000 425,000 780 19,297 3,000 10,507 1,305
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 46,710 cubic Cuttings to spoil, 26,100 cubic Bank from side cutting and tur	dit tunnel ds at 5s. ards at 1 c yards a yards at nnel-spoil	6d. s. 8d. ut 4s. 6d. 1s. to bank,	 255,300	 cubic yar				8,200 5,000 425,000 780 19,297 3,000 10,507 1,305 12,687
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 46,710 cubic Cuttings to spoil, 26,100 cubic Bank from side cutting and tur Retaining-walls, 600 cubic yard	ds at 5s. ards at 1 c yards at yards at pnel-spoils at £2 lds	6d. s. 8d. ut 4s. 6d. 1s. to bank,	 255,300	 cubic yar	 ds			8,200 5,000 425,000 780 19,297 3,000 10,507 1,305 12,687 1,500
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 46,710 cubic Cuttings to spoil, 26,100 cubic Bank from side cutting and tun Retaining-walls, 600 cubic yard River-protection	iit tunnel ds at 5s. ards at 1 c yards a yards at nuel-spoil ds at £2 1	 6d. s. 8d. st 4s. 6d. 1s. to bank, 10s.	 255,300	 cubic yar 				8,200 5,000 425,000 780 19,297 3,000 10,507 1,305 12,687 1,500 3,200
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 46,710 cubic Cuttings to spoil, 26,100 cubic Bank from side cutting and tur Retaining-walls, 600 cubic yard River-protection Otira Bridge	ds at 5s. ards at 1 c yards at yards at unel-spoils at £2 I	 6d. s. 8d. st 4s. 6d. 1s. to bank, 10s. 	 255,300	 cubic yar 	 ds 			8,200 5,000 780 19,297 3,000 10,507 1,305 12,687 1,500 3,200 10,000
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic ya Rock, &c., to spoil, 46,710 cubic Cuttings to spoil, 26,100 cubic Bank from side cutting and tur Retaining-walls, 600 cubic yard River-protection Otira Bridge Barrack Creek Bridge	iit tunnel ds at 5s. ards at 1 c yards a yards at unel-spoil ds at £2 1	6d. s. 8d. st 4s. 6d. 1s. t to bank, 10s	 255,300	 cubic yar 	 ds 			8,200 5,000 780 19,297 3,000 10,507 1,305 12,687 1,500 3,200 10,000 3,000
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 46,710 cubic Cuttings to spoil, 26,100 cubic Bank from side cutting and tun Retaining-walls, 600 cubic yard River-protection Otira Bridge Barrack Creek Bridge Hot Spring Bridge	iit tunnel ds at 5s. ards at 1 c yards a yards at nel-spoil ds at £2 1	6d. s. 8d. st 4s. 6d. 1s. to bank, 10s	 255,300	cubic yar	 ds 			8,200 5,000 780 19,297 3,000 10,507 1,305 12,687 1,500 3,200 10,000 3,000 500
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 46,710 cubic Cuttings to spoil, 26,100 cubic Bank from side cutting and tun Retaining-walls, 600 cubic yard River-protection Otira Bridge Barrack Creek Bridge Hot Spring Bridge Westley's Creek Bridge	iit tunnel ds at 5s. ards at 1 c yards at yards at onel-spoil ds at £2	6d. s. 8d. st 4s. 6d. 1s. to bank, 10s		cubic yar	 ds 			8,200 5,000 780 19,297 3,000 10,507 1,305 12,687 1,500 3,200 10,000 3,000 500 1,000
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 46,710 cubic Cuttings to spoil, 26,100 cubic Bank from side cutting and tun Retaining-walls, 600 cubic yard River-protection Otira Bridge Barrack Creek Bridge Hot Spring Bridge Westley's Creek Bridge Graham's Creek Bridge	it tunnel ds at 5s. ards at 1 c yards at yards at onel-spoil ds at £2	6d. s. 8d. st 4s. 6d. 1s. to bank, 10s		cubic yar	ds			8,200 5,000 780 19,297 3,000 10,507 1,305 12,687 1,500 3,200 10,000 3,000 500 1,000 500
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 46,710 cubic Cuttings to spoil, 26,100 cubic Bank from side cutting and tur Retaining-walls, 600 cubic yard River-protection Otira Bridge Barrack Creek Bridge Hot Spring Bridge Westley's Creek Bridge Graham's Creek Bridge Culverts	iit tunnel dds at 5s. ards at 1 c yards at yards at nnel-spoil ds at £2 1	6d. s. 8d. ut 4s. 6d. 1s. t to bank, 10s		eubic yar	ds			8,200 5,000 780 19,297 3,000 10,507 1,305 12,687 1,500 3,200 10,000 500 1,000 500 3,050
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 46,710 cubic Cuttings to spoil, 26,100 cubic Bank from side cutting and tur Retaining-walls, 600 cubic yard River-protection Otira Bridge Barrack Creek Bridge Hot Spring Bridge Westley's Creek Bridge Graham's Creek Bridge Culverts Tunnels	iit tunnel dds at 5s. ards at 1 c yards a yards at nel-spoil ds at £2	6d. s. 8d. ut 4s. 6d. 1s. to bank, 1os		cubic yar	ds			8,200 5,000 780 19,297 3,000 10,507 1,305 12,687 1,500 3,200 10,000 500 1,000 500 3,050 14,500
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 46,710 cubic Cuttings to spoil, 26,100 cubic Bank from side cutting and tur Retaining-walls, 600 cubic yard River-protection Otira Bridge Barrack Creek Bridge Hot Spring Bridge Westley's Creek Bridge Graham's Creek Bridge Culverts	iit tunnel dds at 5s. ards at 1 c yards at yards at nnel-spoil ds at £2 1	6d. s. 8d. ut 4s. 6d. 1s. t to bank, 10s		eubic yar	ds			8,200 5,000 780 19,297 3,000 10,507 1,305 12,687 1,500 3,200 10,000 500 1,000 500 3,050
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 46,710 cubic Cuttings to spoil, 26,100 cubic Bank from side cutting and tur Retaining-walls, 600 cubic yard River-protection Otira Bridge Barrack Creek Bridge Hot Spring Bridge Westley's Creek Bridge Graham's Creek Bridge Culverts Tunnels Permanent-way	it tunnel ds at 5s. ards at 1 c yards at yards at nnel-spoil ds at £2 1	6d. s. 8d. st 4s. 6d. 1s. to bank, 10s	255,300	eubic yar	ds			8,200 5,000 780 19,297 3,000 10,507 1,305 12,687 1,500 3,200 10,000 500 1,000 500 3,050 14,500 7,315
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 46,710 cubic Cuttings to spoil, 26,100 cubic Bank from side cutting and tur Retaining-walls, 600 cubic yard River-protection Otira Bridge Barrack Creek Bridge Hot Spring Bridge Westley's Creek Bridge Graham's Creek Bridge Culverts Tunnels	it tunnel ds at 5s. ards at 1 c yards at yards at nnel-spoil ds at £2 1	6d. s. 8d. ut 4s. 6d. 1s. to bank, 1os		cubic yar	ds			8,200 5,000 780 19,297 3,000 10,507 1,305 12,687 1,500 3,200 10,000 500 1,000 500 3,050 14,500
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 46,710 cubic Cuttings to spoil, 26,100 cubic Bank from side cutting and tur Retaining-walls, 600 cubic yard River-protection Otira Bridge Barrack Creek Bridge Hot Spring Bridge Westley's Creek Bridge Graham's Creek Bridge Culverts Tunnels Permanent-way	it tunnel ds at 5s. ards at 1 c yards at yards at nnel-spoil ds at £2 1	6d. s. 8d. ut 4s. 6d. 1s. to bank, 10s	255,300	eubic yar	ds			8,200 5,000 780 19,297 3,000 10,507 1,305 12,687 1,500 3,200 10,000 500 1,000 500 3,050 14,500 7,315
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 46,710 cubic Cuttings to spoil, 26,100 cubic Bank from side cutting and tur Retaining-walls, 600 cubic yard River-protection Otira Bridge Barrack Creek Bridge Barrack Creek Bridge Graham's Creek Bridge Graham's Creek Bridge Culverts Tunnels Permanent-way Total, line A	ds at 5s. ards at 1 c yards at yards at nnel-spoil ds at £2 1	6d. s. 8d. st 4s. 6d. 1s. to bank, 10s	255,300	eubic yar	ds			8,200 5,000 780 19,297 3,000 10,507 1,305 12,687 1,500 3,200 10,000 500 1,000 500 3,050 14,500 7,315
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 46,710 cubic Cuttings to spoil, 26,100 cubic Bank from side cutting and tur Retaining-walls, 600 cubic yard River-protection Otira Bridge Barrack Creek Bridge Graham's Creek Bridge Graham's Creek Bridge Graham's Creek Bridge Culverts Tunnels Permanent-way Total, line A Summit tunnel, length 4 miles Excavation	ds at 5s. ards at 1 c yards at yards at nnel-spoil ds at £2 1	6d. s. 8d. st 4s. 6d. 1s. to bank, 10s	255,300	eubic yar	ds			8,200 5,000 780 19,297 3,000 10,507 1,305 12,687 1,500 3,200 10,000 500 1,000 500 1,000 500 14,500 7,315 £517,141
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 46,710 cubic Cuttings to spoil, 26,100 cubic Bank from side cutting and tur Retaining-walls, 600 cubic yard River-protection Otira Bridge Barrack Creek Bridge Hot Spring Bridge Westley's Creek Bridge Graham's Creek Bridge Culverts Tunnels Permanent-way Total, line A Summit tunnel, length 4 miles Excavation Lining	iit tunnel dds at 5s. ards at 1 c yards at yards at nnel-spoil ds at £2]	6d. s. 8d. st 4s. 6d. 1s. to bank, 10s	255,300	cubic yar	ds			8,200 5,000 780 19,297 3,000 10,507 1,305 12,687 1,500 3,200 10,000 500 1,000 500 3,050 14,500 7,315 £517,141 £ 149,200 140,150
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 46,710 cubic Cuttings to spoil, 26,100 cubic Bank from side cutting and tur Retaining-walls, 600 cubic yard River-protection Otira Bridge Barrack Creek Bridge Hot Spring Bridge Westley's Creek Bridge Graham's Creek Bridge Culverts Tunnels Permanent-way Total, line A Summit tunnel, length 4 miles Excavation Lining Fuel and wages, power-sta	iit tunnel dds at 5s. ards at 1 c yards at yards at yards at yards at yards at 1	6d. s. 8d. ut 4s. 6d. 1s. to bank, 10s	255,300		ds			8,200 5,000 780 19,297 3,000 10,507 1,305 12,687 1,500 3,200 10,000 500 1,000 500 3,050 14,500 7,315 £517,141 £ 149,200 140,150 24,940
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 46,710 cubic Cuttings to spoil, 26,100 cubic Bank from side cutting and tur Retaining-walls, 600 cubic yard River-protection Otira Bridge Barrack Creek Bridge Hot Spring Bridge Graham's Creek Bridge Graham's Creek Bridge Culverts Tunnels Permanent-way Total, line A Summit tunnel, length 4 miles Excavation Lining Fuel and wages, power-sta Service roads to tunnel	iit tunnel dds at 5s. ards at 1 c yards a yards at yards at yards at yards at 1	6d. s. 8d. ut 4s. 6d. 1s. to bank, 10s	255,300		ds			8,200 5,000 425,000 780 19,297 3,000 10,507 1,305 12,687 1,500 3,200 10,000 3,000 500 1,000 3,050 14,500 7,315 2517,141 2 149,200 140,150 24,940 10,800
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 46,710 cubic Cuttings to spoil, 26,100 cubic Bank from side cutting and tur Retaining-walls, 600 cubic yard River-protection Otira Bridge Barrack Creek Bridge Hot Spring Bridge Westley's Creek Bridge Graham's Creek Bridge Culverts Tunnels Permanent-way Total, line A Summit tunnel, length 4 miles Excavation Lining Fuel and wages, power-sta Service roads to tunnel Ventilation constructed	it tunnel ds at 5s. ards at 1 c yards at yards at nel-spoil ds at £2	6d. s. 8d. st 4s. 6d. 1s. to bank, 10s	255,300	cubic yar	ds			8,200 5,000 425,000 780 19,297 3,000 10,507 1,305 12,687 1,500 3,200 10,000 3,000 500 1,000 3,050 14,500 7,315 £517,141 £ 149,200 140,150 24,940 10,800 6,650
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 46,710 cubic Cuttings to spoil, 26,100 cubic Bank from side cutting and tun Retaining-walls, 600 cubic yard River-protection Otira Bridge Barrack Creek Bridge Hot Spring Bridge Graham's Creek Bridge Graham's Creek Bridge Culverts Tunnels Permanent-way Total, line A Summit tunnel, length 4 miles Excavation Lining Lining Fuel and wages, power-sta Service roads to tunnel Ventilation constructed Haulage of material in and	it tunnel dds at 5s. ards at 1 c yards a yards at nel-spoil ds at £2	6d. s. 8d. ut 4s. 6d. 1s. to bank, 10s	255,300		ds			8,200 5,000 780 19,297 3,000 10,507 1,305 12,687 1,500 3,200 10,000 500 1,000 500 1,000 500 1,4500 7,315
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 46,710 cubic Cuttings to spoil, 26,100 cubic Bank from side cutting and tun Retaining-walls, 600 cubic yard River-protection Otira Bridge Barrack Creek Bridge Hot Spring Bridge Westley's Creek Bridge Graham's Creek Bridge Culverts Tunnels Permanent-way Total, line A Summit tunnel, length 4 miles Excavation Lining Fuel and wages, power-sta Service roads to tunnel Ventilation constructed Haulage of material in and Drainpipes	it tunnel dds at 5s. ards at 1 c yards a yards at yar	6d. s. 8d. st 4s. 6d. 1s. to bank, los	255,300	cubic yar	ds			8,200 5,000
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 26,100 cubic Bank from side cutting and tur Retaining-walls, 600 cubic yard River-protection Otira Bridge Barrack Creek Bridge Hot Spring Bridge Graham's Creek Bridge Graham's Creek Bridge Culverts Tunnels Permanent-way Total, line A Summit tunnel, length 4 miles Excavation Lining Fuel and wages, power-sta Service roads to tunnel Ventilation constructed Haulage of material in and Drainpipes Permanent-way	it tunnel ds at 5s. ards at 1 c yards at yards at nel-spoil ds at £2	6d. s. 8d. st 4s. 6d. 1s. to bank, 10s	255,300		ds			8,200 5,000
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 46,710 cubic Cuttings to spoil, 26,100 cubic Bank from side cutting and tur Retaining-walls, 600 cubic yard River-protection Otira Bridge Barrack Creek Bridge Hot Spring Bridge Westley's Creek Bridge Graham's Creek Bridge Culverts Tunnels Permanent-way Total, line A Summit tunnel, length 4 miles Excavation Lining Fuel and wages, power-sta Service roads to tunnel Ventilation constructed Haulage of material in and Drainpipes Permanent-way Power-station, plant, and	it tunnel ds at 5s. ards at 1 c yards at yards at nel-spoil ds at £2	6d. s. 8d. st 4s. 6d. 1s. to bank, los	255,300		ds			8,200 5,000
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 46,710 cubic Cuttings to spoil, 26,100 cubic Bank from side cutting and tur Retaining-walls, 600 cubic yard River-protection Otira Bridge Barrack Creek Bridge Graham's Creek Bridge Graham's Creek Bridge Culverts Tunnels Permanent-way Total, line A Summit tunnel, length 4 miles Excavation Lining Fuel and wages, power-sta Service roads to tunnel Ventilation constructed Haulage of material in and Drainpipes Permanent-way Power-station, plant, and Permanent ventilation	ds at 5s. ards at 1 c yards at yards at nel-spoil ds at £2	6d. s. 8d. tt 4s. 6d. 1s. to bank, 10s	255,300		ds			8,200 5,000
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 46,710 cubic Cuttings to spoil, 26,100 cubic Bank from side cutting and tur Retaining-walls, 600 cubic yard River-protection Otira Bridge Barrack Creek Bridge Hot Spring Bridge Westley's Creek Bridge Graham's Creek Bridge Culverts Tunnels Permanent-way Total, line A Summit tunnel, length 4 miles Excavation Lining Fuel and wages, power-sta Service roads to tunnel Ventilation constructed Haulage of material in and Drainpipes Permanent-way Power-station, plant, and	it tunnel ds at 5s. ards at 1 c yards at yards at nel-spoil ds at £2	6d. s. 8d. st 4s. 6d. 1s. to bank, los	255,300		ds			8,200 5,000
Permanent ventilation Oil plant Total, summ Bush Rock cutting, 70,170 cubic yar Shingle cutting, 36,000 cubic y Rock, &c., to spoil, 46,710 cubic Cuttings to spoil, 26,100 cubic Bank from side cutting and tur Retaining-walls, 600 cubic yard River-protection Otira Bridge Barrack Creek Bridge Graham's Creek Bridge Graham's Creek Bridge Culverts Tunnels Permanent-way Total, line A Summit tunnel, length 4 miles Excavation Lining Fuel and wages, power-sta Service roads to tunnel Ventilation constructed Haulage of material in and Drainpipes Permanent-way Power-station, plant, and Permanent ventilation	ds at 5s. ards at 1 c yards at yards at nnel-spoil ds at £2 1 tion buildings buildings	6d. s. 8d. st 4s. 6d. 1s. to bank, 10s	255,300		ds			8,200 5,000