

ENGINEERS' ESTIMATES AND CONTRACTS

	£	s.	d.	£	s.	d.		£	s.	d.	£	s.	d.
Brought forward ...							Brought forward ...						
Road Diversions :—							Permanent Way in New Zealand :—						
Earthwork, including formation							Ballast, 1,467 c. yds. at 3s. 3d.	238	7	9			
5,000 c. yds. at 1s. 3d.	312	10	0				Sleepers, including adzing, 2,050						
Metalling, 1,250 c. yds. at 8s.	500	0	0				c. yds. at 3s.	307	10	0			
Crossings, with Cattle Stops,							Laying Sleepers, 1,760 l. yds.						
1 cl., 4 at £87 5s. ...	349	0	0				at 2s.	176	0	0			
Crossings, with Cattle Stops,							Haulage of Materials, 132 tons						
2 cl., 25 £53 7s. 6d. ...	1,334	7	6				at 10s.	66	0	0			
Iron Gates, 100, at £5 10s. ...	550	0	0				Waste and Loss ...	20	0	0			
	3,045	17	6				Length: Total for 1 mile ...	807	17	9			
Contingencies ...	380	2	6				34 miles 55 chs. at £807 17s.						
				3,426	0	0	9d. ...	28,023	11	11			
Tunnel :—							Contingencies ...	3,503	8	1			
484 yds. long, complete, at £36											31,527	0	0
net ...				19,424	0	0	Sidings :—						
Bridges :—							Earthwork, not to exceed 10,000						
Excavation in Foundation, 500							c. yds. at 1s. 6d. ...	750	0	0			
c. yds. at 1s. 6d. ...	37	10	0				Permanent Way in New Zea-						
Sinking Columns, 428 tons at							land, 2 miles at £807 17s. 9d.	1,615	15	6			
£5 ...	2,140	0	0					2,365	15	6			
Concrete in Sinking Columns,							Contingencies ...	295	4	6			
770 c. yds. at 30s. ...	1,155	0	0								2,661	0	0
Rubble, Masonry in Sinking													
Columns, 1,030 c. yds at 30s.	1,545	0	0								105,405	0	0
Ashlar, 36 c. ft. at 2s. ...	3	12	0				Contractor's Profits ...				10,540	0	0
Brickwork, 6 c. yds. at 50s. ...	15	0	0										
Cast Iron in Cylinders, 428 tons											115,945	0	0
at £11 ...	4,708	0	0				Management ...				8,000	0	0
Bolts for Cylinders, 111 cwt. at							Tunnel ...				17,424	0	0
25s. ...	138	15	0										
Timber in piles, 2,190 l. ft. at 4s.	438	0	0								£141,369	0	0
Timber in Piers, B.M. 1, 1,749													
at 35s. ...	3,235	15	0										
Cast Iron in Blocks, 350 c. ft.													
at 11s. ...	192	10	0										
Plate Iron Girders, 1,141 c. ft.													
at 18s. ...	1,026	18	0										
Malleable Iron in Straps and													
Bolts, 57,220 lbs. at 6d. ...	1,430	10	0										
	16,066	10	0										
Contingencies ...	2,008	10	0										
				18,075	0	0							
Culverts and Drains :—													
Excavation, 2,090 c. yds. at													
1s. 6d. ...	156	15	0										
Rubble in Cement, 882 c. yds.													
at 30s. ...	1,323	0	0										
Rubble in Mortar, 1,030 c. yds.													
at 25s. ...	1,287	10	0										
Concrete in Cement, 85 c. yds.													
at 30s. ...	127	10	0										
Brickwork, 54 c. yds. at 40s. ...	108	0	0										
Puddle, 280 c. yds. at 5s. ...	70	0	0										
Pitching 9" thick, 545 c. yds.													
at 4s. ...	109	0	0										
Plastering, 310 s. yds. at 2s. ...	31	0	0										
Timber in Large Culverts,													
31,800 l. ft. at 30s. ...	477	0	0										
Box Drains, in Timbers, 300													
l. yds. at 10s. ...	150	0	0										
Tile Drains, 12", 300 l. yds. at													
10s. ...	150	0	0										
Tile Drains, 9", 300 l. yds. at													
7s. ...	105	0	0										
Tile Drains, 6", 300 l. yds. at													
4s. ...	60	0	0										
Punning, not to exceed 10,000													
c. yds. at 1s. ...	500	0	0										
	4,654	15	0										
Contingencies ...	581	5	0										
				5,236	0	0							
Fencing :—													
Repairing present Fencing, 500													
chs. ...	50	0	0										
Sod Fencing, 500 chs. at 17s. 6d.	437	10	0										
Posts and Rails (mound and													
wire fence), 2,520 chains at													
30s. ...	3,780	0	0										
Posts and Wire (mound and													
wire fence), 560 chs. at 30s.	840	0	0										
	5,107	10	0										
Contingencies ...	638	10	0										
				5,746	0	0							
Carried forward ...							Carried forward ...						

OTAGO SOUTHERN TRUNK.

DUNEDIN CONTRACT.

	£	s.	d.	£	s.	d.
Fencing :—						
On Reclaimed Ground, 39 chs.						
at 25s. ...	48	15	0			
Ordinary, 227 chs. at 22s. 6d.	255	7	6			
				304	2	6
Clearing Line, 133 chs. at 2s. 6d.						
Cuttings, 40,650 c. yds. at 1s.						
3d. ...	2,540	12	6			
Side Cuttings, 1,350 c. yds. at						
1s. 3d. ...	84	7	6			
				2,625	0	0
Embankments :—						
Formation, 133 chs. at 5s. ...				33	5	0
Pitching Slopes complete, 900						
s. yds. at 9d. ...				33	15	0
Level crossing Gates and						
Wickets, 2 pairs at £20 ...				40	0	0
Bridges.						
Bridge over Main South Road :—						
Excavation, 85 c. yds. at 2s. ...	8	10	0			
Concrete in Foundations, 25 c.						
yds. at 30s. ...	37	10	0			
Rubble Masonry, 310 c. yds. at						
25s. ...	387	10	0			
Ashlar in Blocks, 24 c. ft. at 4s. }	17	16	0			
Ashlar in Coping, 23 c. ft. at 4s. }						
Cement Plastering, 35 sup. yds.						
at 1s. ...	1	15	0			
Carriage and Erection of Gir-						
ders, allow ...	10	0	9			
				463	1	0
Bridges over Railway :—						
Excavation for Cills and Refill-						
ing Trenches, 12 c. yds. at 2s.	1	4	0			
Timber in Cills and Plates, 64 c.						
ft. at 3s. 6d. ...						
Timber Upright and Bracing,						
120 c. ft. at 3s. 6d. ...				84	17	6
Timber Beams and Struts, 123						
c. ft. at 3s. 6d. ...						
Timber Planking, including						
Spikes, 178 c. ft. at 3s. 6d. ... }						
Timber Parapets and Ballast						
Beams, 70 c. ft. at 4s. 6d. ...	20	15	0			
Iron in Straps and Bolts, 200 lbs.						
at 6d. ...	5	0	0			
Painting and Tarring, allow ...	8	0	0			
				119	16	6