

EXHIBIT H.
TUNNELS DONE BY CONTRACT.

Railway.	Contract or Tunnel.	Dimensions.	Contractor.	Date.	Length.	Total Cost.	Cost per Lineal Yard Excavating.	Cost per Lineal Yard Lining.	Total Cost per Lineal Yard.	Nature of Ground.	Nature of Lining.
Hurunui-Bluff	Caversham Lyttelton Tunnel	15 ft. x 12 ft.	..	1873	Lin. yds. 902 1 $\frac{1}{2}$ miles	£ ..	£ s. d. 9 0 0	£ s. d. 15 0 0	£ s. d. 24 0 0	Sandstone	..
Dunedin-Clutha	Chain Hills	15 ft. x 12 ft.	..	1874	1 $\frac{1}{2}$ miles	£ ..	£ s. d. ..	£ s. d. ..	£ s. d. 65 0 0	Volcanic	..
	Mount Ceniz	Double line, 26 ft. x 26 ft.	..	..	..	£ ..	£ s. d. ..	£ s. d. ..	£ s. d. 53 8 0	In faulty clay slate	Cost as obtained.
Dunedin-Moeraki	Deborah Bay	15 ft. x 12 ft.	D. and J. McKenzie	1874	1,400	25,000*	£ s. d. 15 0 0	£ s. d. 9 in., 13 13 6 14 in., 19 3 6 18 in., 25 0 0	£ s. d. 206 0 0	..	..
Tokomairiro-Lawrence	Round Hill	"	Morrison and Irvine	1874	176	3,739†	£ s. d. 18 0 0	£ s. d. ..	£ s. d. ..	..	(It had to be all lined as an addition to contract.
Otago Central	Hindon Section (five tunnels)	"	C. and W. Gore	1884-86	three, 433 two, 118	..	£ s. d. 12 10 0	£ s. d. 21 10 0	£ s. d. 33 0 0	..	Brick, lined all through as an extra afterwards.
Waitaki-Bluff	Livingstone Branch	"	Cuthbert and Stewart	1884-85	286	5,000	£ s. d. 15 0 0	£ s. d. 31 0 0	£ s. d. 46 0 0	..	..
North Island Main Trunk	Porootarao	"	J. J. O'Brien	1885-87	1,166	38,733	£ s. d. 13 6 0	£ s. d. 19 18 0	£ s. d. 17 10 0	..	Masonry walls, brick arch.
Auckland-Helensville	Waitakerei	"	M. Danagher	1879-80	242	8,032‡	£ s. d. 12 10 0	£ s. d. 20 15 0	£ s. d. 33 5 0	Papa and sandstone	..
Wellington-Woodville	Waiwaka	"	"	1886-88	165	4,605	£ s. d. 11 7 0	£ s. d. 16 11 0	£ s. d. 27 17 0	Ditto	Brick.
Edendale-Toetoes	Glenham Tunnel	"	A. Menzies	1887-88	230	4,166	£ s. d. 6 2 0	£ s. d. 12 16 0	£ s. d. 18 18 0	..	..
Nelson-Belgrove	Spooner's Range	"	A. Maguire	1890	1,474	..	£ s. d. ..	£ s. d. ..	£ s. d. 20 13 0	Boulder deposit	Lined.
Catlin's River Branch	Catlin's Tunnel	"	D. Kirkwood	(about) 1890	268‡	6,271	£ s. d. 11 13 0	£ s. d. 11 14 0	£ s. d. 23 7 0	Very hard rock	..
Blenheim-Awatere	Utawai	15 ft. 6 in. x 12 ft. 6 in.	McGrath and Burke	1890	77	2,024	£ s. d. 11 0 0	£ s. d. 15 3 0	£ s. d. 26 3 0	Papa	..
North Island Main Trunk	Mangaonoho	"	Cleghorn, Forest, and Magee	1890	110, 88	5,055	£ s. d. 12 15 0	£ s. d. 13 5 0	£ s. d. 25 15 0	"	..
Manawatu Gorge	Tunnels	"	J. McLean and Son	1890-97	637	11,846†	£ s. d. 8 6 0	£ s. d. ..	£ s. d. 31 10 0	Clay slate	..
Helensville North	Makarau	"	..	..	..	..	£ s. d. ..	£ s. d. 10 4 0	£ s. d. 18 10 0	In papa and sandstone	Sound.
Westport-Inangahua	No. 2 Contract	17 ft. x 15 ft.	D. McLellan	1910	88	8,518	£ s. d. 19 0 0	£ s. d. 21 0 0	£ s. d. 40 0 0	Rotten granite	Concrete.
	No. 10 Contract	"	Maxwell and Mann	1911	256	10,260	£ s. d. 16 10 0	£ s. d. 23 10 0	£ s. d. 40 0 0	"	"
	No. 14 Contract	"	D. McLellan	1911	176	8,000	£ s. d. 31 6 0	£ s. d. 14 3 0	£ s. d. 45 9 0	"	"
Midland	Arthur's Pass	16 ft. 9 in. x 15 ft.	J. McLean and Son	1907-12	9,354	568,000	£ s. d. 37 5 0	£ s. d. 23 10 0	£ s. d. 60 15 0	Clay slate	"

* About £20,000 extras.

† And extras.

‡ About £7,500 extras were paid chiefly on tunnel in bad ground where extra lining was used.