Sub-Enclosure to Enclosure 1 in No. 15.

ANALYBIS of COST and CONSTMPTION of NATIVE COAL compared with that from Newcastle, N.S.W., as shown by Experiment on the Christchurch Section of the New Zealand Bailways.

	Remarks.	圉	supply of native coal.  The grate bars of engine were altered to suit this coal, but the result was entirely unsatisfactory.	Kept time very well, but considerable time and labour wasted at stations cleaning fires.	With a heavy load it was found impossible to maintain steam.	Found impossible to maintain pressure in boiler.	
	Cost of Newcastle Coal per Mile.	d. 3.36	4.0	3.68	3.36	4.3	3.97
	Quantity of Mew- caetle Coal per Mile.	lbs. 21·0	25.0	23.0	21.0	34.0	24.8
	Cost of Coal per	d. 10:21	9.02	6.38	4.72	12:37	8.64
	Quantity of Coal per Mile.	lbs. 92:84	82.0	0.49	29.0	125.0	83.17
	Time-Sheet Delays (if any).	Raining Lost 3 hours in 70 miles' run	Lost 3 hours and 15 minutes in a run of 36 miles	None	Lost 10 minutes in 106 miles	Lost 40 minutes in 53 miles	•
	State of Weather.	Raining	Fine	:	:	Boister- ous wind	:
	Condition of Road.	Wet	Dry	:	:	Wet	:
or order and	Steam Pressure per Square Inch.	Started with 115 lbs., but had to stop continually to blow	up are and supply boller.  Started with 120 lbs.; lad to stop every 4 miles to blow up fire and supply boller.	120 lbs	Started with 120-lb. pressure, but could not be maintained	Started at 120 lbs.; had to stop con- tinually to raise pressure and supply boiler	111
	.nisrT to thgieW	Tons.	225	217	100	235	176-4
	No. of Engine.	G. 52	J. 20	J. 20	J. 20	J. 20	::
	Quentity Experi- mented.	Tons. 10	10	10	10	10	:
	Cost per Ton in Christchurch.	20/6	20/6	23/6	15/	18/6	19/7·2
	Situation of Colliery.	Sheffeld	: .	Springfield	Malvern	Glentufinel	
	Name of Owner.	Mr. Jebson	:	Mr. Parker	Mr. Sheath	Mr. McIlwraith	Mean
	Nan	1 Mr. J	8)	3 Mr. 1	4 Mr. S	Mr. M	<b>2</b>
	Mo. of Trial.		••	~~	۷.	***	

ALLISON D. SMITH, Locomotive Engineer.