

## Trees transferred from Nursery to Plantations, &amp;c., 1911-12—continued.

Where sent.	Name of Tree.	Number.	Height, in Inches.	Value per Thousand.	Total Value.	Remarks.
Tarras Plantation	<i>Pinus muricata</i> .. ..	2,200	12	£ s. d. 3 0 0	£ s. d. 6 12 0	These were used create barriers drifting sand.
	" <i>insignis</i> .. ..	5,000	6	1 5 0	6 5 0	
	Assorted trees (experi- mental)	70	10	3 0 0	0 4 2	
		7,270	..	..	13 1 2	
Mackenzie County	<i>Larix europaea</i> .. ..	25,000	15	3 0 0	75 0 0	Distributed to settlers.
	<i>Pinus Laricio</i> .. ..	10,000	10	3 0 0	30 0 0	
	" <i>ponderosa</i> .. ..	15,000	10	3 0 0	45 0 0	
		50,000	..	..	150 0 0	
Conical Hills Planta- tion	As per details above	1,467,975	..	..	4,412 1 10	
Dusky Hill Planta- tion	"	13,200	..	..	39 12 0	
Tarras Plantation ..	"	7,270	..	..	13 1 2	
Mackenzie County..	"	50,000	..	..	150 0 0	
Selwyn Plantation ..	<i>Pinus Laricio</i> .. ..	5,000	..	..	12 10 0	
Waimakariri Planta- tion	" <i>muricata</i> .. ..	2,900	..	..	8 14 0	
Hawea Domain Board	Assorted trees .. ..	579	..	..	2 4 9	
Palmerston Sana- torium	"	650	..	..	2 12 0	
Cave Domain Board	"	400	..	..	1 12 0	
Tourists Depart- ment, Queenstown	<i>Larix europaea</i> .. ..	50	..	..	0 3 0	
Anderson's Bay Orphanage	Assorted trees .. ..	3,200	..	..	12 16 0	
Lawrence Borough Council	"	100	..	..	0 8 0	
Ocean Beach Domain Board	<i>Pinus muricata</i> .. ..	1,000	..	..	3 0 0	
Acclimatization So- ciety, Clinton	Assorted trees .. ..	1,700	..	..	6 16 0	
Waiatu Domain Board	<i>Pinus muricata</i> .. ..	200	..	..	0 12 0	
Roxburgh Borough Council	Assorted trees .. ..	250	..	..	1 0 0	
Cromwell Borough Council	"	750	..	..	3 0 0	
Balclutha Borough Council	"	290	..	..	1 3 3	
Rawhiti Domain Board	<i>Pinus muricata</i> .. ..	650	..	..	2 5 6	
Brighton Improve- ment Society	Assorted trees .. ..	300	..	..	1 4 0	
Totals ..	..	1,556,464	..	..	4,674 15 6	

W. T. MORRISON,  
Nursery Foreman.

R. G. ROBINSON,  
Superintending Nurseryman.

## DUSKY HILL PLANTATION, OTAGO.

(Area, 845 acres; altitude, 400 ft. to 800 ft.)

It is indeed gratifying to be able to report on the improved appearance generally of trees planted throughout this reserve. The beneficial effect of evenly distributed moisture is most strongly apparent in the larch blocks, where a much more healthy tone prevails than in the previous season. It cannot be contended, however, that a complete restoration from premature leaf-shedding of *Larix europaea* has yet eventuated; and the present vigilance for any outbreak of disease will be persevered with. Some little damage to walnuts and chestnuts was occasioned by the advent of an unseasonable frost in November, but a good recovery was effected, and these trees have since progressed without further interruptions. The hardwoods, particularly *Fraxinus* and *Quercus pedunculata*, have shown their distinct partiality for a wet season, and in many instances their vertical development has exceeded 3 ft. In the earlier stages we were under the impression that *Pinus austriaca* grew with greater vigour and was otherwise hardier than *Pinus Laricio*; but of recent years the latter species has quite outshone the Austrian pine, both in average annual growth (20 in.) and its freedom from the white aphid—*Chremes laricio*.

Strong winds have again been responsible for slight damage being done to the delicate leaders of *Pseudo-tsuga taxifolia*. Where occupying sheltered positions over 3 ft. of growth was made, whilst in the more elevated situations the rate of development is reduced to about one-third. Of all varieties operated with here, none from a forester's point of view are so discouraging as the spruces, which, when placed on partially exposed hillsides, rarely increase their height annually by more than 6 in.